



# Curriculum vitae

NAME: Susana Cabrera Urbán

Date: 10-9-2007

**I. CURRICULUM VITAE ( SHORT VERSION ) DATE: 07-09-2007****Susana Cabrera Urbán**

Passport (Spanish) AB749204, Date of birth: 17-1-1971, Sex: Female

**OFFICE:**

IFIC (CSIC “Spanish Research Council”  
and Universidad de Valencia)  
Edificio Institutos de Investigación,  
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**HOME:**

C/Sagunto 9-3  
46009 Valencia, Spain  
Home: +34 96 3479075  
Cell: +34 685 613 372

**EDUCATION:**

- Licenciatura en Ciencias Físicas (University of Valencia, Spain, July 1994)  
(i.e, Bachelor of Science degree with a major in Physics)
- Doctorate in Physics Sciences (University of Valencia, Spain, **December 1999**)  
(i.e, Doctor of Philosophy degree in Physics) Outstanding “Cum Laude”

**CURRENT PROFESSIONAL STATUS:**

Ramon y Cajal contract (Junior Research Faculty) awarded in the 2004 announcement of MEC (Spanish Ministry of Education and Science) . Starting date: 1-12-2004

**PROFESSIONAL EXPERIENCE:**

INSTITUTION	POSITION HELD	PERIOD
IFIC(CSIC-University of Valencia)	Junior Research Faculty	December 2004-Present
Duke University	Research Associated	February 2001 -October 2004
IFCA (CSIC-University of Cantabria)	Postdoctoral CSIC fellow	July 1999-February 2001
University of Valencia	Teaching Assistant	March 1999-June 1999
University of Valencia	Transitional fellow of DELPHI experiment at CERN	January 1999-June 1999
University of Valencia	PHD fellow of Generalitat Valenciana (local government of Valencian Autonomic Comunity)	January 1995-December 1998
MEC (Ministry of Science and Education)	Fellow ot collaborate with Atomic and Nuclear Physics Department	<i>October 1993-June 1994</i>

**AREAS OF RESEARCH** Specialization (UNESCO code): 2290 High Energy Physics  
Experimental high energy physics in collider experiments.

### **Current scientific international collaborations:**

- ATLAS (A Toroidal LHC Aparatus) experiment at CERN (European Laboratory for Particle Physics)
- CDF (Collider Experiment at FermiLab) experiment at FERMILAB (Fermi National Accelerator Laboratory of USA)

**Past collaborations:** DELPHI (Detector for Lepton, Photon and Hadron Identification) experiment at CERN

### **PARTICIPATION IN PAST RESEARCH PROJECTS:**

1) PROJECT TITLE: Participation in the DELPHI experiment of the e<sup>+</sup>e<sup>-</sup> storage ring LEP at the CERN laboratory.

FUNDING ENTITY: CICYT(Comisión Interministerial de Ciencia y Tecnología)

PERIOD: July 1994- July 1999 , P.I: Professor Antonio Ferrer Soria

2)PROJECT TITLE: Participation in the construction of a Time of Flight detector TOF for the CDF experiment CDF Run II at FermiLab

FUNDING ENTITY: CICYT (Comisión Interministerial de Ciencia y Tecnología)

PERIOD: July 1999 - February 2001, P.I: Professor Alberto Ruiz /Teresa Rodrigo

3)PROJECT TITLE: Participation in the analysis of proton-antiproton collisions with the CDF experiment in the Run 2 Tevatron accelerator at Fermilab

FUNDING ENTITY: DOE (Department of Energy USA) / Duke University

PERIOD: February 2001 – November 2004 P.I: Professor Al Goshaw/ Mark Kruse.

### **PROFESIONAL SERVICE:**

- Convener of the Diboson sub-group of Electroweak Physics in the CDF experiment: (July 2003- January 2005) . Co-supervision of 4 PHD students.
- Participation in the management of the CDF experiment as coordinator of the offline calibrations of the CDF experiment (January-April 2006) in FERMILAB.
- Reviewer of ANEP (Spanish agency dedicated to evaluate and review research projects) (June 2006) .
- Teaching experience:
  - **1996/97:**Experimental techniques of General Physics and Nuclear Instrumentation.
  - **1997/98:**Experimental techniques of General Physics
  - **March-July 1999** Teaching assistant of Nuclear and Particle Physics and Current Topics of Physics.

### **5 MAIN PUBLICATIONS:**

[1] Search for a V+A current in top quark decay in pp-bar collisions at sqrt(s)=1.96 TeV. (5 cites),The CDF collaboration.

**Phys.Rev.Lett.98:072001, 2007**, hep-ex/0608062

[2] Measurement of the W+W- Production Cross Section in pp-bar Collisions at  $\sqrt{s}=1.96$  TeV using Dilepton Events. (11 cites). The CDF collaboration.

**Phys.Rev.Lett.94:211801,2005**, hep-ex/0501050

[3] Search for ZZ and ZW Production in ppbar Collisions at sqrt s=1.96 TeV (8 cites) The CDF collaboration, **Phys.Rev.D71:051104,2005**, hep-ex/0501021

[4] Mb at Mz (75 cites),The DELPHI collaboration. **Phys.Lett.B418:430-442,1998** CERN-PPE-97-141

[5] The time-of-flight detector at CDF (4 cites),S.Cabrera for the CDF collaboration.**Nucl.Phys.Proc.Suppl.93:344-347,2001**

### **SLAC SPIRES CITATION SEARCH (02/03/07):**

- 1) Papers published with the DELPHI (CERN) collaboration: 136 (3084 cites)
- 2) Papers published with the CDF (FERMILAB) collaboration: 143 (2462 cites)

## MAIN INVITED TALKS (CONFERENCES AND SEMINARS)

1) Susana Cabrera on behalf of the CDF & D0 collaborations.

XIVth International Workshop on Deep.-Inelastic Scattering DIS 2006, Tsukuba, Japan. 20-24 April, 2006. **“Top pair production cross sections from the Tevatron”**

Published in conference proceedings FERMILAB-CONF-06-228-E

2) Susana Cabrera on behalf of the CDF & D0 collaborations.

XIIth International Workshop on Deep.-Inelastic Scattering DIS 2004, Strbske Pleso, Slovakia, 14-18 April, 2004 **“Electroweak results at the Tevatron”** Published in conference proceedings FERMILAB-CONF-04-194-E

3) Susana Cabrera on behalf of the DELPHI collaboration.

XXXIVth Rencontres de Moriond. Les Arcs 1800, Bourg-Saint-Maurice Francia. ,20-27 March, 1999**“Determination of the b-quark mass at the M(Z) scale.”**

## II. RESEARCH HISTORY

My potential as an independent research leader in experimental high energy physics with colliders is supported by the next achievements:

During my pre-doctoral research period, my experience in electron-positron collider analyses within the QCD physics working group of the DELPHI experiment, focussing on jet clustering algorithms and b-quark identification applied to the first measurement of the running b-quark mass (see publication [4]).

During my long postdoctoral research period, the leadership roles played in the CDF collaboration at FERMILAB both in software ( offline detector calibration manager) as well as those in hadron collider physics analyses ( conviner of Diboson Electroweak Physics working group, see also publications [2] and [3] ) together with the co-supervision of 4 phd students.

During both pre-doctoral and postdoctoral period, my expertise in nuclear instrumentation for high energy physics with TOF (“Time of Flight”) detectors for triggering, timing measurements and particle identification purposes in both aspects: offline reconstruction (in the TOF of the DELPHI experiment) and hardware (in the TOF detector of the CDF experiment, see publication [5])

Currently as a junior research faculty I am participating in the ATLAS (CERN) collaboration with the High Energy Group (HEP) of the IFIC (CSIC-Universidad de Valencia). I have the responsibility of making sure that the Atlas physics analysis facility in Valencia is in place for the analysis activities associated to the early physics analyses with Top quarks at the LHC. Direction of a PHD student, Maria Teresa Perez Garcia-Estañ with proposed thesis subject: “Top Physics with the ATLAS detector at the LHC”. I have kept my participation in the Top quark physics group of the CDF experiment, obtaining for that my own project FPA2005-25357-E from the Spanish funding agency.

Having real data to analyzed make the experimental high energy physicist smarter when measuring properties of elementary particles or developing novel techniques to search for new particles. I think my research experience at CDF will enrich and benefit the ATLAS physics program at CERN and in the IFIC HEP Institute. Currently, in ATLAS, I am actively participating in the Top and in the Tau Performance group being co-author of the ATLAS CSC note: “Identification of Hadronic Tau Decays with the ATLAS detector” and focussing on the performance of Tau lepton reconstruction and identification algorithms in tt-bar events.

## III. FUNDING ID.

Past sources of research funding as Principal Investigator:

- Starting research funding of “Ramón y Cajal” contract.
  - Spanish Ministry of Science and Education (MEC)
  - Period: December 2004-December 2006. (12 K€.)
- “Acción complementaria” FPA2005-25357-E , “Measurement of the properties of the top quark with 1 fb<sup>-1</sup> of proton anti-proton collisions in the CDF”
  - Spanish Ministry of Science and Education (MEC)
  - Period: January 2006-July 2007 (9K€.)

Current projects with participation as co-investigator.:

- FPA2006-03081 (MEC) "TIER-3 and PHYSICS ANALYSIS AT THE LHC". PI: Dr Eduardo Ros. Starting January 2007. 3 years long.
- FPA2006-13238-C02-00 (MEC): "PARTICIPATION IN THE ATLAS INNER TRACKER DETECTOR ". PI: Dra Carmen Garcia. Starting January 2007. 3 years long.

**CURRICULUM VITAE ( FULL VERSION )    DATE: 07-09-2007**

Family name: *Cabrera Urbán*

Passport: AB749204

Date of birth : 17-10-1971

Name: *Susana*

Sex: Mujer

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**Current professional situation:**

*Ramon y Cajal 2004 - CSIC - IFIC(1)*

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(1) MEC (Ministerio de Educación y Ciencia)

IFIC(Instituto de Física Corpuscular,CSIC-Universidad de Valencia)

Experimental Department.

Postal adress: Edificio Institutos de Investigación, Apartado de Correos 22085, E-46071 Valencia-Spain

Phone: +34 96 354 34 95

Fax: +34 96 354 34 88

e-mail: Susana.Cabrera@ific.uv.es

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**Current research areas:**

*Experimental high energy physics in hadron colliders:*

*Participation in the physics program of the CDF experiment at the proton, anti-proton collider at the LHC.*

*Participation in the ATLAS experiment at the proton-proton collider LHC of CERN.*

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**Education**

Qualification	Center	Date
<i>Licenciado en CC Físicas</i>	<i>Universidad de Valencia ,Spain</i>	<i>July 1994</i>
Qualification	Center	Date
<i>Doctor en CC Físicas</i>	<i>Universidad de Valencia, Spain</i>	<i>December 1999</i>

## Professional experience

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INSTITUTION	POSITION HELD	PERIOD
IFIC(CSIC-University of Valencia)	Junior Research Faculty	December 2004-Present
Duke University	Research Associated	February 2001 -October 2004
IFCA (CSIC-University of Cantabria)	Postdoctoral CSIC fellow	July 1999-February 2001
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University of Valencia	Transitional fellow of DELPHI experiment at CERN	January 1999-June 1999
University of Valencia	PHD fellow of Generalitat Valenciana (local government of Valencian Autonomic Comunity)	January 1995-December 1998
MEC (Ministry of Science and Education)	Fellow ot collaborate with Atomic and Nuclear Physics Department	<i>October 1993-June 1994</i>

## Languages

Language	Speaking	Reading	Writing
<i>English</i>	<i>Correct</i>	<i>Correct</i>	<i>Correct</i>

## Participation in Projects of Research and Development funded in public announcements.

(Spanish and International)

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1) *PROJECT TITLE: Participation in the DELPHI experiment at the e+e- collider of the CERN laboratory.*

*FUNDING ENTITY: CICYT(Comisión Interministerial de Ciencia y Tecnología)*

*STARTING FROM: July 1994*

*TILL: July 1999*

*PRINCIPAL RESEARCH INVESTIGATOR: Profesor Antonio Ferrer Soria y Dr Juan Fuster Verdú*

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2) *PROJECT TITLE: Participation in the construction of a Time Of Flight detector (TOF) for the CDF experiment at Fermilab.*

*FUNDING ENTITY: CICYT (Comisión Interministerial de Ciencia y Tecnología) AEN99-0950*

*STARTING FROM: July 1999*

*TILL: February 2001*

*PRINCIPAL RESEARCH INVESTIGATOR: Profesor Alberto Ruiz y Profesora Teresa Rodrigo*

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3) *PROJECT TITLE: Participation in the analisis of proton antiproton collisions with the CDF experiment at the Tevatron Run II of FermiLab.*

*FUNDING ENTITY: DOE (Department of Energy USA) Departamento de Energía de los Estados Unidos / Duke University*

*STARTING FROM: February 2001*

*TILL: November 2004*

*PRINCIPAL RESEARCH INVESTIGATOR: Professor Al Goshaw/ Assistant Profesor Mark Kruse*

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4) *PROJECT TITLE: Starting grant of contract Ramón y Cajal*

*FUNDING ENTITY: Ministry of Science and Education.*

*STARTING FROM: December 2004*

*TILL: December 2006*

*PRINCIPAL RESEARCH INVESTIGATOR: Dr. Susana Cabrera Urbán*

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5) *PROJECT TITLE: FPA2005-25357-E: Measurement of the Top quark properties using one inverse Femtobarn of proton anti-proton collisions in the CDF II detector.*

*FUNDING ENTITY: Ministry of Science and Education.*

*STARTING FROM: January 2006*

*TILL: December 2007*

*PRINCIPAL RESEARCH INVESTIGATOR: Dr. Susana Cabrera Urbán*

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6) *PROJECT TITLE: Participation in the construction of a silicon tracker detector for ATLAS. FPA2003-03878-C02-01*

*FUNDING ENTITY: Ministry of Science and Education.*

*STARTING FROM: June 2006*

*TILL: December 2006*

*PRINCIPAL RESEARCH INVESTIGATOR: Dr. Carmen García García*

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7) *PROJECT TITLE: TIER-3 and Physics Analices in ATLAS FPA2006-03081*

*FUNDING ENTITY: Ministry of Science and Education.*

*STARTING FROM: January 2007*

*TILL: Present*

*PRINCIPAL RESEARCH INVESTIGATOR: Dr. Eduardo Ros*

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## Stays in foreign centers

KIND: D = pre-doctoral, P = post-doctoral, I = invited, C = hired, O = others.

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CENTER: CERN, DELPHI collaboration  
CITY: Geneva COUNTRY: Switzerland YEAR: October 1994-  
December 1995  
LENGH: approx. 1 year, for master degree thesis research.  
PROJECT: Maintenance and Calibration of the T.O.F detector of the DELPHI experiment.  
KIND: D

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CENTER: CERN, DELPHI collaboration  
CITY: Geneva COUNTRY: Switzerland YEAR: Junio 1996-December 1998  
LENGH: approx. 2 years, for doctoral thesis research.  
PROJECT: Analysis of DELPHI data: QCD, measurement of the running of the b-quark mass KIND: D

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CENTER: FERMILAB, CDF collaboration.  
CITY: Batavia (Illinois) COUNTRY: US YEAR: August 1999-February 2001.  
LENGH: approx. 1.5 years  
PROJECT: Construction of a T.O.F. detector for the CDF experiment t the TEVATRON RUN 2. KIND: P

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CENTER: FERMILAB, CDF collaboration  
CITY: Batavia (Illinois) COUNTRY: US YEAR: desde Marzo 2001 TILL December 2004  
LENGH: tres YEARS y medio  
PROJECT: Analysis of the Run 2 data collected by the CDF experiment at FERMILAB. Simulation of Silicon detectors, Top Quark Physics, Electroweak Physics and search for the Higgs boson.

KIND: P(\*)

(\*) Postdoctoral Research Associated of Duke University based in FERMILAB.

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CENTER: FERMILAB, CDF collaboration.  
CITY: Batavia (Illinois) COUNTRY: US YEAR: desde Enero 2005 TILL Septiembre 2005  
LENGH: 6 meses  
PROJECT: Contribution to the offline operations of the CDF detector: coordination of the offline calibrations and development of the software tool CalibExe.

KIND: P(\*)

(\*) RYC

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CENTER: FERMILAB, CDF collaboration.  
CITY: Batavia (Illinois) COUNTRY: US YEAR: january 15 th – march 3 2006, 1-15 abril 2006  
LENGH: two months  
PROJECT: Top quark physics: cross sections and properties.

KIND: P(\*)

(\*) RYC

## Contributions to conferences

### 1.Participation in Internacional conferences with Attendance, talk and publication (9)

1)AUTHORS: Susana Cabrera on behalf of CDF.  
TITLE: “**Searches for new Physics in the Top quark samples at CDF**”  
KIND OF PARTICIPATION: **Attendance, talk and publication.**  
CONGRESS: SUSY07 The 15<sup>th</sup> International Conference on Supersymmetry and the Unification of Fundamental Interactions.  
PUBLICATION: “**Proceedings of SUSY07**”  
PLACE: Karlsruhe, Germany.  
DATE: 26 Jult -1 August, 2007.

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2)AUTHORS: Susana Cabrera on behalf of CDF and D0 collaborations  
TITLE: “**Top pair production cross sections from the Tevatron**”  
KIND OF PARTICIPATION: **Attendance, talk and publication.**  
CONGRESS: XIVth International Workshop on Deep.-Inelastic Scattering DIS 2006  
PUBLICATION: “**Proceedings of DIS 2006**”  
PLACE: Tsukuba, Japan.  
DATE: 20-24 April, 2006.

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3)AUTHORS: Susana Cabrera.  
TITLE: “**Top Pair Production Cross section and a search for V+A structure of the tbW interaction in CDF II**”  
KIND OF PARTICIPATION: **Attendance, talk and publication.**  
CONGRESS: XXXIV International Meeting on Fundamental Physics FROM HERA AND THE TEVATRON TO THE LHC  
PUBLICATION: *Proceedings of the conference.*  
PLACE: El Escorial, Madrid, Spain.  
DATE: 2-7April, 2006.

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4)AUTHORS: Susana Cabrera on behalf of the CDF and D0 collaborations.  
TITLE: “**Electroweak results at the Tevatron**”  
KIND OF PARTICIPATION: **Attendance, talk and publication.**  
CONGRESS: XIIth International Workshop on Deep.-Inelastic Scattering DIS 2004  
PUBLICATION: “**Proceedings of DIS 2004**”, FERMILAB-CONF-04-194-E  
PLACE: Strbske Pleso, Slovakia  
DATE: 14-18 April, 2004.

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5)AUTHORS: Susana Cabrera on behalf of the CDF and D0 collaborations  
TITLE: “**Top quark production cross section at the Tevatron at  $\sqrt{s}=1.96$  TeV**”  
KIND OF PARTICIPATION: **Attendance, talk and publication.**  
CONGRESS: XXXVIIIth Rencontres de Moriond on QCD AND HIGH ENERGY HADRONIC INTERACTIONS..  
PUBLICATION: “**Proceedings of the XXXVIIIth Rencontres de Moriond on QCD AND HIGH ENERGY HADRONIC INTERACTIONS**”  
PLACE: Les Arcs 1800, Bourg-Saint-Maurice Francia.

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**Nota:** Si necesita más casos, añádalos utilizando las funciones de copiar y pegar con el 2º caso.

DATE: 22-29 March, 2003

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6) *AUTHORS: Susana Cabrera*

**TITLE: The Run IIb upgrade of the CDF Silicon Detectors**

**KIND OF PARTICIPATION: Attendance, talk and publication.**

*CONGRESS: 7th International Conference on Advanced Technology and Particle Physics*

**PUBLICATION: FERMILAB-CONF-02/164-E Proceedings 7th International Conference on Advanced Technology and Particle Physics**

*PLACE: Villa Olmo, Como, Italia*

*DATE: 15-19 October, 2001.*

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7) *AUTHORS: Susana Cabrera*

**TITLE: The Time of Flight Detector at CDF**

**KIND OF PARTICIPATION: Attendance, talk and publication.**

**CONGRESS: 4th International Conference on Hyperons, Charm and Beauty Hadrons**

**PUBLICATION: FERMILAB-CONF-00/326-E Proceedings 4th International Conference on Hyperons, Charm and Beauty Hadrons**

*PLACE: Valencia, Spain*

*DATE: 27-30 June, 2000.*

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8) *AUTHORS: Susana Cabrera, Juan Fuster and Salvador Martí*

**TITLE: Three-jet heavy b-quark production rates in e+e- annihilations at the Z peak applied to test the flavour independence of the strong interactions using NLO QCD calculations.**

**KIND OF PARTICIPATION: Attendance, talk and publication.**

*CONGRESS: XXXIVth Rencontres de Moriond on QCD AND HIGH ENERGY HADRONIC INTERACTIONS*

**PUBLICATION: "Proceedings of the XXXIVth Rencontres de Moriond on QCD AND HIGH ENERGY HADRONIC INTERACTIONS"**

*PLACE: Les Arcs 1800, Bourg-Saint-Maurice Francia.*

*DATE: 20-27 March, 1999*

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9) *AUTHORS: Susana Cabrera.*

**TITLE: First test of the running mass property: measurement of the b quark mass at LEP1 with the DELPHI detector.**

**KIND OF PARTICIPATION: Attendance, talk and publication.**

*CONGRESS: XXXIIIth Rencontres de Moriond on QCD AND HIGH ENERGY HADRONIC INTERACTIONS*

**PUBLICATION: Libro "Proceedings of the XXXIIIth Rencontres de Moriond on QCD AND HIGH ENERGY HADRONIC INTERACTIONS"**

*PLACE: Les Arcs 1800, Bourg-Saint-Maurice Francia.*

*DATE: 21-28 Marzo, 1998*

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10) *AUTHORS: Susana Cabrera.*

**TITLE: First test of the running mass property: measurement of the b quark mass at LEP1 with the DELPHI detector.**

**KIND OF PARTICIPATION: Attendance, talk and publication.**

*CONGRESS: XXXIIIth Rencontres de Moriond on QCD AND HIGH ENERGY HADRONIC INTERACTIONS*

**PUBLICATION: Libro "Proceedings of the XXXIIIth Rencontres de Moriond on QCD AND HIGH ENERGY HADRONIC INTERACTIONS"**

*PLACE: Les Arcs 1800, Bourg-Saint-Maurice Francia.*

*DATE: 21-28 Marzo, 1998*

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2.Conferences, schools and workshops with Attendance and talk. (5)

1)AUTHORS: Susana Cabrera.  
TITLE: **"Offline operations: One Pass Calibration Scheme"**  
KIND OF PARTICIPATION: Attendance and talk.  
CONGRESS: CDF collaboration meeting.  
PLACE: Sitges, Barcelona.  
DATE: May 30-June3, 2005.

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2)AUTHORS: Susana Cabrera.  
TITLE **Estudio de sucesos de tres y cuatro jets originados por quarks de tipo b en desintegraciones hadrónicas del Z**  
KIND OF PARTICIPATION: Attendance and talk..  
CONGRESS: **XXVII Reunión Bienal de la Real Sociedad Española de Física**  
PUBLICATION: *Actas de las V Jornadas de Física de Altas Energías del grupo especializado de Física de Altas Energías de la Real Sociedad Española de Física*  
PLACE Palau de Congressos, Valencia, Spain  
DATE: 20-24 of September, 1999

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3)AUTHORS: Susana Cabrera.  
TITLE: **mb measurement at LEP1 with DELPHI detector**  
KIND OF PARTICIPATION: Attendance and poster.  
CONGRESS: **CERN European School of High Energy Physics**  
PUBLICATION: -. Poster.  
PLACE St Andrews, Scotland..  
DATE: 23 August-5 September, 1998

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4)AUTHORS: Susana Cabrera.  
TITLE: **b quark mass effects at LEP1 with DELPHI detector.**  
KIND OF PARTICIPATION: Attendance and talk..  
CONGRESS: **UIMP Universidad Internacional Menéndez Pelayo 97: International Workshop on Physics Beyond the Standard Model**  
PLACE: Valencia, Spain  
DATE: 13-17 October, 1997

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5)AUTHORS: Susana Cabrera.  
TITLE **¿ Las masas de los quarks evolucionan con la energía ? Medida de la masa del quark b con los datos de DELPHI**  
KIND OF PARTICIPATION: Attendance and talk..  
CONGRESS: **XXVI La Reunión Bienal de la Real Sociedad Española de Física**  
PLACE Las Palmas de Gran Canaria  
DATE: (29 september.-3 october) 1997

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### 3.Seminars (5):

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1)AUTHORS: Susana Cabrera.  
TITLE **"The b-quark mass at the M<sub>Z</sub> scale"**  
KIND OF PARTICIPATION: Seminar  
PLACE Rutgers University, Physics Department  
DATE: October 2000

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2)AUTHORS: Susana Cabrera.  
TITLE **"The b-quark mass at the M<sub>Z</sub> scale"**  
KIND OF PARTICIPATION: Seminar  
PLACE Duke University, Physics Department  
DATE: December 2000

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3)AUTHORS: Susana Cabrera.  
TITLE **"The b-quark mass at the M\_Z scale"**  
KIND OF PARTICIPATION: Seminar  
PLACE: FERMILAB , Physics Seminar  
DATE: December 2000

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4)AUTHORS: Susana Cabrera.  
TITLE **"The Run IIb upgrade of the CDF Silicon Detectors"**  
KIND OF PARTICIPATION: Seminar  
PLACE Valencia, Seminar IFIC  
DATE: October 2001

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5)AUTHORS: Susana Cabrera.  
TITLE **"First Run II results on Top quark production cross section at  $\sqrt{s}=1.96$  TeV"**  
KIND OF PARTICIPATION: Seminar  
PLACE Valencia, Seminar IFIC  
DATE: March 2003

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#### 4. Schools attendance (5):

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.1)KIND OF PARTICIPATION: Attendance.  
CONGRESS: **XXVII International Meeting on Fundamental Physics**  
PLACE Granada, Spain  
DATE: (31 january-5 february) 1999

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.2)KIND OF PARTICIPATION: Attendance.  
CONGRESS: **XXV International Meeting on Fundamental Physics**  
PLACE Formigal, Huesca, Spain  
DATE: (3-7 march) 1997

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.3)KIND OF PARTICIPATION: Attendance.  
CONGRESS: **Advanced school on electroweak physics.**  
PLACE Maón, Menorca, Spain  
DATE: (16-22 march) 1996

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.4)KIND OF PARTICIPATION: Attendance.  
CONGRESS: **XXIV International Meeting on Fundamental Physics "From the Tevatron to the LHC"**  
PLACE Gandia, Valencia, Spain  
DATE: (22-26 april) 1996

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.5)KIND OF PARTICIPATION: Attendance.  
CONGRESS: **XXIII International Meeting on Fundamental Physics "The top quark, heavy flavour physics and symmetry breaking"**  
PLACE Comillas, Santander, Spain  
DATE: (22-26 may) 1995

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#### OTHER MERITS

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A) **TEACHING:** participation in the teaching responsibilities of the “Departamento de Física Atómica, Molecular y Nuclear” of the “Universidad de Valencia”:

Academic year 1996/97: 7041 Experimental Techniques of General Physics ( 3 credits)

Academic year 1996/97: 10045 Nuclear Instrumentation for High Energy Physics (1.75 credits)

Academic year 1997/98: 7041 Experimental Techniques of General Physics (3 credits)

Associated professor of the “Departamento de Física Atómica, Molecular y Nuclear” in the period March-June 1999 : Nuclear and Particle Physics. Current Topics of Physics.

B) Convinor of the CDF Diboson Electroweak working group, (July 2003- Enero 2005 ) Supervision of 4 doctoral thesis.

C) Coordinator of the CDF offline calibrations: february-june 2005

D) Reviwer of the Spanish Agency for Projects Evaluation ANEP, YEAR 2006.

E) Currently she keeps her status of GUEST SCIENTIST of FERMILAB-CDF as internal reviwer of Top quark Physics Analyses at the CDF experiment.

F) Director of PHD-student Maria Teresa Perez Garcia-Estañ , with thesis title: “TOP quark physics with Tau leptons in the ATLAS experiment at the LHC.

G) Co-Director of master thesis of Roger Vives Torrascasana, with the PROJECT : “Top quark Physics with the ATLAS experiment at the LHC”.

H) Participation in the Advance Physics master of the University of Valencia,with one credit of “ Extension of High Energy Physics Instrumentation”

Participación en el Máster de Física Avanzada de la Universidad de Valencia for the academical year 2007-2008 .

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## Participation in contracts with Companies.

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TITLE of contract: ***Participation in the Operation of the Nuclear Plant of Cofrentes (Valencia) in the section of Radiological Protection.***

Kina of contract:

Funding company: : *IBERDROLA S.A.*

Participant entities: *IBERDROLA S.A., Universidad de Valencia*

From: *6 June 1992* TILL: *4 September 1992*

Responsable investigator: Dr. Rius

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**Nota:** Si necesita más casos, añádalos utilizando las funciones de copiar y pegar con el 2º caso.

## SCIENTIFIC PUBLICATIONS :

1. Outstanding publications during the pre-doctoral period. (7).
2. Outstanding publications during the post-doctoral period. (6).
3. Outstanding publications during the junior faculty period (5).
4. Internal notes in the collaborations in which she has participated.
5. PUBLICATIONS de la Colaboración DELPHI (133).
6. Publications of Instrumentation related the upgrade of the CDF II detector: TOF (8)
7. Publications of Instrumentation related the upgrade of the CDF II detector: SVX Run2b (8)
  
8. Publications of the CDF 2 collaboration. (159)

### 1. Outstanding publications during the pre-doctoral period (7):

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1) **AUTHORS** : S. Cabrera, J. Fuster (Valencia U.), S. Marti i Garcia (CERN).

**TITLE**: **NEW DETERMINATION OF THE B QUARK MASS USING IMPROVED JET CLUSTERING ALGORITHMS**

REFERENCE JOURNAL CERN-OPEN-99-458 29th International Conference on High-Energy Physics (ICHEP 98), Vancouver, British Columbia, Canada, 23-29 Jul 1998

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2) **AUTHORS** : S. Cabrera, J. Fuster (Valencia U.), S. Marti i Garcia (CERN).

**TITLE**: **THREE- AND FOUR-JET HEAVY B QUARK PRODUCTION RATES IN E+ E- ANNIHILATION AT THE Z PEAK**

REFERENCE JOURNAL CERN-OPEN-99-402 International Europhysics Conference on High-Energy Physics (EPS-HEP 99), Tampere, Finland, 15-21 Jul 1999

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3) **AUTHORS** : S. Cabrera, J. Fuster (Valencia U.), S. Marti i Garcia (CERN).

**TITLE**: **DETERMINATION OF THE B-QUARK MASS AT THE M(Z) SCALE**

REFERENCE JOURNAL *Nucl.Phys.Proc.Suppl.* **81:194-197,2000** International Workshop on Particles in Astrophysics and Cosmology: From Theory to Observation (Valencia 99), Valencia, Spain, 3-8 May 1999

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4) **AUTHORS** : Mikhail S. Bilenky (Montpellier U. & Montpellier U.), Susana Cabrera, Joan Fuster (Valencia U.), Salvador Marti (CERN), German Rodrigo (INFN, Florence), Arcadi Santamaria (Valencia U.).

**TITLE**: **M(B)(M(Z)) FROM JET PRODUCTION AT THE Z PEAK IN THE CAMBRIDGE ALGORITHM**

REF. *hep-ph/9807489* REFERENCE/JOURNAL: *Phys.Rev.D* **60:114006,1999** FTUV-98-61, IFIC-98-62

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5)AUTHORS : P.Abreu et Al. Colaboración DELPHI (74 cites)  
TITLE:  $M(B)$  AT  $M(Z)$ .

REFERENCE JOURNAL *Phys.Lett.B418:430-442,1998* CERN-PPE-97-141

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6)AUTHORS : S. Marti i Gracia (Liverpool U.), J. Fuster, S. Cabrera (Valencia U.).  
TITLE: **EXPERIMENTAL DETERMINATION OF  $M(B)$   $M(Z)$  IN DELPHI**

REF. *hep-ex/9708030* REFERENCE/JOURNAL: *Nucl.Phys.Proc.Suppl.64:376-379,1998* QCD 97: 25th Anniversary of QCD, Montpellier, France, 3-9 Jul 1997.

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7)AUTHORS : J. Fuster, S. Cabrera (Valencia U.), S. Marti i Garcia (Liverpool U.).  
TITLE: **EXPERIMENTAL STUDIES OF QCD USING FLAVOR TAGGED JETS FROM DELPHI**

REF. QCD 1996:39-43, *hep-ex/9609004* REFERENCE/JOURNAL: *Nucl.Phys.Proc.Suppl.54A:39-43,1997*, proceedings of High-energy Physics International Euroconference on Quantum Chromodynamics (QCD 96), Montpellier, France, 4-12 Jul 1996.

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## 2.Outstanding publications during the postdoctoral period (6):

1):AUTHORS The CDF II Collaboration .

TITLE: Measurement of the  $W+W^-$  Production Cross Section in  $pp\text{-bar}$  Collisions at  $\sqrt{s}=1.96$  TeV using Dilepton Events.

REFERENCE JOURNAL *Phys.Rev.Lett.94:211801,2005*, *hep-ex/0501050*

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2):AUTHORS The CDF II Collaboration .

TITLE: Search for ZZ and ZW Production in  $ppbar$  Collisions at  $\sqrt{s}=1.96$  TeV.

REFERENCE JOURNAL *Phys.Rev.D71:051104,2005*, *hep-ex/0501021*

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3):AUTHORS S. Cabrera, on behalf of the CDF and D0 collaborations.

TITLE: Electroweak Physics at the Tevatron Run2

REFERENCE JOURNAL Proceedings 12th International Workshop on Deep Inelastic Scattering (DIS2004), High Tatras, Slovakia, 14-18 April 2004, FERMILAB-CONF-04/194-E.

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4)AUTHORS Susana Cabrera en representación de las colaboraciones CDF y D0 .

TITLE: Top quark production cross section at the Tevatron at  $\sqrt{s}=1.96$  TeV

REFERENCE JOURNAL Proceedings of XXXVIIth Rencontres de Moriond on QCD and High Energy Hadronic Interactions Les Arcs, Francia 22-29 Marzo 2003

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5)AUTHORS : Susana Cabrera

TITLE: The Run IIB upgrade of the CDF Silicon Detectors

REFERENCE JOURNAL Proceedings of 7<sup>th</sup> International Conference on Advance Technology and Particle Physics Como, Italia, 15-19 Octubre 2001 Fermilab-Conf-02/164-E



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6):AUTHORS : Susana Cabrera

TITLE: The Time of Flight Detector at CDF

REFERENCE JOURNAL proceedings of 4th International Conference on Hyperons, Charm and Beauty Hadrons, Valencia, Spain, 27-30 Jun 2000 **Nucl.Phys.Proc.Suppl.93:344-347,2001** FERMILAB-CONF-00-326-E,

### 3.Outstanding publictaions during the Ramón y Cajal period. (5)

1):AUTHORS The CDF II Collaboration. Autores principales: Aafke Kraan Susana Cabrera Joel Heinrich y Evelyn Thomson

TITLE: Search for V+A current in top quark decay in ppbar collisions at  $\sqrt{s}=1.96$  TeV

REFERENCE JOURNAL **Phys.Rev.Lett.98:072001,2007**

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2):AUTHORS S.Cabrera en representación de las colaboraciones CDF y D0

TITLE: Top quark pair production cross section measurements in pp-bar collisions at  $\sqrt{s}=1.96$  TeV.

REFERENCE JOURNAL Aparecerá en Proceedings of XIV International Workshop on Deep Inelastic Scattering. 20-24 April 2006 Tsukuba, Japan. **FERMILAB-CONF-06-228-E,**

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3):AUTHORS Monica Tecchio, Bo Jayatilaka, Dan Amidei, Susana Cabrera, Tuula Maki, Yen-Chu Cen, Yuji Takeuchi, Naoki Kimura, Daniel Whiteson, Veronique Boisvert, Fiodar Prakoshyn

TITLE: A measurement of the top pair production cross section using dileptons.

REFERENCE JOURNAL CDF-PUBLIC-CONF-NOTE-8103

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4):AUTHORS Susana Cabrera Joel Heinrich Aafke Kraan Evelyn Thomson

TITLE: A measurement of the V+A fraction of W-bosons from top quark decay

REFERENCE JOURNAL CDF-PUBLIC-CONF-NOTE-8280

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5):AUTHORS The CDF II Collaboration.

J. Antos, M. Babik, D. Benjamin, S. Cabrera, A.W. Chan, Y.C. Chen, M. Coca, B. Cooper, S.Farrington, K. Genser, K. Hatakeyama, S. Hou, T.L. Hsieh, B. Jayatilaka, S.Y. Jun, A.V. Kotwal, A.C. Kraan, R. Lysak, I.V. Mandrichenko, P. Murat, A. Robson, P. Savard, M. Siket, B. Stelzer, J. Syu, P.K. Teng, S.C. Timm, T. Tomura, E. Vataga, S.A. Wolbers

TITLE: Data processing model for the CDF experiment

#### 4. INTERNAL NOTES IN THE EXPERIMENTS WHERE SHE HAS PARTICIPATED:

##### 4.1) DELPHI (4)

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1)AUTHORS :R. Alemany, S. Cabrera  
TITLE: **TOF contribution to DELPHI hermeticity**  
REFERENCE JOURNAL nota interna DELPHI

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2)AUTHORS :R. Alemany, S. Cabrera  
TITLE: **TOF contribution to the bunch number determination in DELPHI**  
REFERENCE JOURNAL nota interna DELPHI

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3)AUTHORS : S. Cabrera, J. Fuster and S. Mart\{'i} i Garc\{'i}a  
TITLE: **New determination of the b-quark mass using improved jet clustering algorithms**  
REFERENCE JOURNAL nota interna DELPHI CERN-OPEN-99-458

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4)AUTHORS (p.o. de firma: S. Cabrera, J. Fuster, S. Mart\{'i} i Garcia  
TITLE: **Three- and four-jet heavy b-quark production rates in e+e- annihilations at the Z peak**  
REFERENCE JOURNAL nota interna DELPHI CERN-OPEN-99-402

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##### 4.2) CDF (28)

1)AUTHORS :Aafke Kraan Susana Cabrera Joel Heinrich Evelyn Thomson  
TITLE: Search for V+A current in top quark decay in ppbar collisions at  $\sqrt{s}=1.96$  TeV

REFERENCE JOURNAL nota interna CDF CDF/PUB/TOP/CDFR/8351

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2)AUTHORS :S.Cabrera

TITLE: Top quark pair production cross section measurements in pp-bar collisions at sqrt(s)=1.96 TeV

REFERENCE JOURNAL nota CDF CDF/PUB/TOP/PUBLIC/8319

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3)AUTHORS :Susana Cabrera Joel Heinrich Aafke Kraan Evelyn Thomson

TITLE: A measurement of the V+A fraction of W-bosons from top quark decay

REFERENCE JOURNAL nota CDF CDF/PHYS/TOP/PUBLIC/8280

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4)AUTHORS :Susana Cabrera Aafke Kraan Evelyn Thomson Joel Heinrich

TITLE: A measurement of the V+A fraction of W bosons from top quark decay

REFERENCE JOURNAL nota interna CDF CDF/PHYS/TOP/CDFR/8229

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5)AUTHORS :Monica Tecchio, Bo Jayatilaka, Dan Amidei, Susana Cabrera, Tuula Maki, Yen-Chu Cen, Yuji Takeuchi, Naoki Kimura, Daniel Whiteson, Veronique Boisvert, Fiodar Prakoshyn

TITLE: Top Dilepton Cross Section in 750 pb-1 using the DIL Selection

REFERENCE JOURNAL nota interna CDF CDF/PHYS/TOP/PUBLIC/8040

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6)AUTHORS :S.Cabrera M.Kruse C.Plager J.Thom D.Waters P.Wittich

TITLE: WW Cross-Section Measurements : Compatibility and Combination

REFERENCE JOURNAL nota interna CDF CDF/PUB/ELECTROWEAK/PUBLIC/7178

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7)AUTHORS :S. Cabrera, The CDF and D0 Collaborations

TITLE: Electroweak Physics at the Tevatron Run2

REFERENCE JOURNAL nota CDF CDF/PUB/ELECTROWEAK/PUBLIC/7178

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8)AUTHORS :Sunny S.Chuang, D.Carlsmith, Susana Cabrera, Mark Kruse, Dustin McGivern, David Waters

TITLE: Search for the SM Higgs Boson in the Decay Channel H->WW->lvlv with 184/pb CDF Run II Data

REFERENCE JOURNAL nota interna CDF CDF/DOC/ELECTROWEAK/PUBLIC/7135

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9)AUTHORS : S.Cabrera, S.Carron, S.Chuang, J.Deng, A.Goshaw, Y.Huang, M.Kruse, D.McGivern, D.Waters  
TITLE: Measurement of the WW Cross Section in the Dilepton Channel

REFERENCE JOURNAL nota interna CDF CDF/DOC/ELECTROWEAK/PUBLIC/7135

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10)AUTHORS : Sunny S.Chuang, D.Carlsmith, Susana Cabrera, Mark Kruse, Dustin McGivern, David Waters  
TITLE: Search for a SM Higgs Boson in the  $gg \rightarrow H \rightarrow WW^*$  Dilepton Channel with 200/pb Run II Data at CDF

REFERENCE JOURNAL nota interna CDF CDF/DOC/EXOTIC/CDFR/6958

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11)AUTHORS : S. Cabrera, J. Deng, A. Goshaw, C. Hays, Y. Huang, M. Kruse  
TITLE: Measurement of ZZ+ZW cross section using Run II data

REFERENCE JOURNAL nota interna CDF CDF/ANAL/ELECTROWEAK/GROUP/6920

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12)AUTHORS : S. Cabrera, S. Carron, S. Chuang, J. Deng, A. Goshaw, Y. Huang, M. Kruse, D. McGivern, D. Waters  
TITLE: WW Production in the Dilepton channel with 200/pb

REFERENCE JOURNAL nota interna CDF CDF/ANAL/ELECTROWEAK/GROUP/6909

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13)AUTHORS : D. McGivern, D. Waters, S. Cabrera, A. Goshaw, Y Huang, M Kruse, S Carron  
TITLE: Drell-Yan background rejection in WW dilepton production.

REFERENCE JOURNAL nota interna CDF CDF/PHYS/ELECTROWEAK/PUBLIC/6834

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14)AUTHORS : P.Merkel, P.Azzi, N.Bacchetta, S.Behari, D.Benjamin, D.Bisello, G.Bolla, P. Booth, D.Bortoletto, G.Busetto, S.Cabrera, A.Canepa, M.Casella, G.Cardoso, M.Chertok, C.I.Ciobanu, P.Cooke, G.Derylo, E.J.Feng, J.P.Fernandez, B.Flaugher, J.Freeman, L.Galtieri, M.Garcia-Sciveres, J.Goldstein, C.Haber, K.Hara, R.Harr, C.Hill  
TITLE: CDF Run IIB Silicon: The new innermost layer

REFERENCE JOURNAL nota interna CDF CDF/PUB/CDF/PUBLIC/6828

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15)AUTHORS : The CDF Run IIB Silicon Detector  
TITLE: M.Aoki, N.Bacchetta, S.Behari, D.Benjamin, D.Bisello, G.Bolla, D.Bortoletto, A.Burghard, G.Busetto, S.Cabrera, A.Canepa, A.Castro, G.Cardoso, M.Chertok, C.Ciobanu, G.Derylo, I.Fang, B.Flaugher, J.Freeman, L.Galtier, J.Galyard, M.Garcia-Sciveres, G.Giurgiu et al.

REFERENCE JOURNAL nota interna CDF CDF/PUB/TRACKING/PUBLIC/6750

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16)AUTHORS :S.Cabrera, S.Carron, A.Goshaw, Y.Huang, M.Kruse, D.McGivern, D.Waters  
TITLE: An Update on  $WW$  Production in the Dilepton Channel at CDF in Run 2

REFERENCE JOURNAL nota interna CDF CDF/ANAL/ELECTROWEAK/GROUP/6611

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17)AUTHORS :Susana Cabrera, CDF and D0 Collaborations  
TITLE: Top Quark Production Cross-Section at the Tevatron Run 2

REFERENCE JOURNAL nota interna CDF CDF/PUB/TOP/PUBLIC/6443

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18)AUTHORS :S.Cabrera, S.Carron, A. Goshaw, Y.Huang, M.Kruse, D.McGivern, D.Waters  
TITLE:  $WW$  Production Cross Section in the Dilepton Channel at CDF in Run II

REFERENCE JOURNAL nota interna CDF CDF/ANAL/ELECTROWEAK/GROUP/6323

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19)AUTHORS :J. Antos, A. Beretvas, S. Cabrera, S. Carron, M. Coca, J. Chung, R. Eusebi, H. Frisch, E. Halkiadakis, A. Hocker, P. Koehn, A. Kovalev, M. Kruse, A. Ivanov, M. Siket, P. Tipton, H. Williams, U. K. Yang  
TITLE: Winter 2003 Measurement of the  $t$ - $t$ bar Cross Section in the Dilepton Decay Channel

REFERENCE JOURNAL nota interna CDF CDF/PHYS/TOP/CDFR/6319

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20)AUTHORS :Susana Cabrera, Sebastian Carron, Mark Kruse  
TITLE: Background estimate from  $WW$  and  $WZ$  Production to the Top Dilepton signal

REFERENCE JOURNAL nota interna CDF CDF/DOC/TOP/GROUP/6290

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22)AUTHORS :S.Cabrera A.Goshaw Y.Huang D.McGivern D.Waters  
TITLE: Heavy Di-Boson Measurements in Run II

REFERENCE JOURNAL nota interna CDF CDF/ANAL/ELECTROWEAK/PUBLIC/6197

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23)AUTHORS :Susana Cabrera, Erin Collins, Sebastian Carron, Claudio Ferretti, Henry Frisch, David Gerdes, Gervasio Gomez, Andrea Messina, Teresa Rodrigo, Rob Roser, Subir Sarkar, Mitchell Soderbeg, Evelyn Thomson, Soushi Tsuno, Rocio Vilar, Collin Wolfe.

*TITLE: Standardized Comparison of Matrix Element Monte Carlo Event Generators*

*REFERENCE JOURNAL nota interna CDF CDF/PHYS//PUBLIC/6063*

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*24)AUTHORS :The Run IIB upgrade of the CDF Silicon Detectors*

*TITLE: S. Cabrera, The CDF Collaboration*

*REFERENCE JOURNAL nota interna CDF CDF/PUB/TRACKING/PUBLIC/5777*

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*25)AUTHORS :Matthew Jones Gerry Bauer, Michael J. Mulhearn Susana Cabrera et. al*

*TITLE: Geometric Survey of the CDF-II Time-of-Flight System*

*REFERENCE JOURNAL nota interna CDF CDF/DOC/TOF/CDFR/5607*

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*26)AUTHORS :S. Cabrera, F. Bedeschi, A.Munar J. Valls*

*TITLE: RUN-II Higgs Multijets Trigger with the SVT*

*REFERENCE JOURNAL nota interna CDF CDF/DOC/TRIGGER/CDFR/5547*

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*27)AUTHORS :G.Grozis, R.Kephart, R.Stanek, B.Kim, D.H.Kim, S.B.Kim, Y.Oh, I.Yu, W.Carithers, Y.K.Kim, K.Anikeev, G.Bauer, I.K.Furic, A.Korn, I.Kravchenko, M.Mulhearn, Ch.Paus, S.Pavlon, K.Sumorok, S.Cabrera et al.*

*TITLE: The Time of Flight Detector at CDF*

*REFERENCE JOURNAL nota interna CDF CDF/PUB/TOF/PUBLIC/5501*

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*28)AUTHORS :S.Cabrera, I.Cho, D.H.Kim, Y.Oh, J.Piedra, T.Rodrigo, A.Ruiz, I.Vila, I.Yu*

*TITLE: Tests and calibration of the photomultipliers of the CDF-II Time-of-Flight system*

*REFERENCE JOURNAL nota interna CDF CDF/DOC/TOF/CDFR/5386*

## 5. PUBLICATIONS of the DELPHI collaboration (133)

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1) *AUTHORS : P. Abreu et al.*

*TITLE: Measurement of the  $\bar{B} \rightarrow D^{(*)} \pi \ell \bar{\nu}_\ell$  Branching Fraction.*

*REFERENCE JOURNAL Physics Letters B475(2000)407 KIND: A*

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2) *AUTHORS : P. Abreu et al.*

*TITLE: Upper Limit for the Decay  $B^- \rightarrow \tau^- \bar{\nu}_\tau$  and Measurement of the  $b \rightarrow \tau \bar{\nu}_\tau X$  Branching Ratio.*

*REFERENCE JOURNAL Phys. Lett. B496(2000)43 KIND: A*

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3) *AUTHORS : P. Abreu et al.*

*TITLE: A Precise Measurement of the  $\tau$  Polarisation at LEP-1.*

*REFERENCE JOURNAL E. Phys. J. C14 (2000) 585 KIND: A*

---

4) *AUTHORS : P. Abreu et al.*

*TITLE: Two-dimensional Analysis of the Bose-Einstein Correlations in  $e^+e^-$  Annihilation at the Z peak.*

*REFERENCE JOURNAL Physics Letters B471 (2000)460 KIND: A*

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5) *AUTHORS : P. Abreu et al.*

*TITLE: Lambda b Polarization in Z decays at LEP.*

*REFERENCE JOURNAL Physics Letters B474 (2000)205 KIND: A*

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6) *AUTHORS : P. Abreu et al.*

*TITLE: Measurement of the Gluon Fragmentation Function and a Comparison of the Scaling Violation in Gluon and Quark Jets.*

*REFERENCE JOURNAL Eur. Phys. J. C13 (2000)573 KIND: A*

---

7) *AUTHORS : P. Abreu et al.*

*TITLE: Measurement of the strange quark forward-backward asymmetry around the Z peak.*

*REFERENCE JOURNAL E. Phys. J. C14 (2000)613 KIND: A*

---

8) *AUTHORS : P. Abreu et al.*

*TITLE: Consistent Measurements of  $\alpha_s$  from Precise Oriented Event Shape Distributions.*

*REFERENCE JOURNAL E. Phys. J. C14(2000)557 KIND: A*

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9) *AUTHORS : P. Abreu et al.*

*TITLE: Search for chargino pair production in scenarios with gravitino LSP and stau NLSP at  $\sqrt{s} \sim 183$  GeV at LEP.*

*REFERENCE JOURNAL Phys. Lett. B466 (1999) 61 KIND: A*

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10) *AUTHORS : P. Abreu et al.*

*TITLE: Measurement of the rate of  $b \rightarrow b \bar{b} b$  events in hadronic Z decays and the extraction of the gluon splitting into  $b \bar{b}$ .*

*REFERENCE JOURNAL Phys. Lett. B462 (1999) 425 KIND: A*

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11) *AUTHORS : P. Abreu et al.*

*TITLE: Measurement of the mass of the W boson using direct reconstruction at  $\sqrt{s}=183$  GeV.*

*REFERENCE JOURNAL Phys. Lett. B462 (1999) 410 KIND: A*

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12) *AUTHORS : P. Abreu et al.*

*TITLE: Search for Charged Higgs Bosons at LEP 2.*

*REFERENCE JOURNAL Phys. Lett. B460 (1999) 484 KIND: A*

---

13) *AUTHORS : P. Abreu et al.*

*TITLE: Determination of  $P(c \rightarrow D^{*+})$  and  $BR(c \rightarrow l^+)$  at LEP 1.*

*REFERENCE JOURNAL E. Phys. J. C12 (2000) 209 KIND: A*

---

14) *AUTHORS : P. Abreu et al.*

*TITLE: Measurements of the Z Partial Decay Width into  $c \bar{c}$  and Multiplicity of Charm Quarks per b Decay.*

*REFERENCE JOURNAL E. Phys. J. C12 (2000) 225 KIND: A*

---

15) *AUTHORS : P. Abreu et al.*

*TITLE: Measurements of the Trilinear Gauge Boson Couplings  $g_{WWV}$  ( $V \equiv \gamma, Z$ ) in  $e^+e^-$  Collisions at 183 GeV.*

*REFERENCE JOURNAL Phys. Lett. B459 (1999) 382 KIND: A*

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16) *AUTHORS : P. Abreu et al.*

*TITLE: A search for invisible Higgs bosons produced in  $e^+ e^-$  interactions at LEP 2 energies.*

*REFERENCE JOURNAL Phys. Lett. B459 (1999) 367 KIND: A*

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17) *AUTHORS : P. Abreu et al.*

*TITLE: Search for the Higgs boson in events with isolated photons at LEP 2.*

*REFERENCE JOURNAL Phys. Lett. B458 (1999) 431 KIND: A*

---

18) *AUTHORS : P. Abreu et al.*

*TITLE: Energy Dependence of Inclusive Spectra in  $e^+e^-$  Annihilation.*

*REFERENCE JOURNAL Phys. Lett. B459 (1999) 397 KIND: A*

---

19) *AUTHORS : P. Abreu et al.*

*TITLE: Multiplicity Fluctuations in One- and Two-Dimensional Angular Intervals Compared with Analytic QCD Calculations.*

*REFERENCE JOURNAL Phys. Lett. B457 (1999) 368 KIND: A*

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20) *AUTHORS : P. Abreu et al.*

*TITLE: Search for supersymmetry with R-parity violating  $\tilde{L} \tilde{L}^* \bar{E}$  couplings at  $\sqrt{s} = 183$  GeV.*

*REFERENCE JOURNAL E. Phys. J. C13 (2000) 591 KIND: A*

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21) *AUTHORS : P. Abreu et al.*

*TITLE:  $W$  pair production cross-section and  $W$  branching fractions in  $e^+e^-$  interactions at 183 GeV.*

*REFERENCE JOURNAL Phys. Lett. B456 (1999) 310 KIND: A*

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22) *AUTHORS : P. Abreu et al.*

*TITLE: Measurements of the leptonic branching fractions of the tau.*

*REFERENCE JOURNAL E. Phys. J. C10 (1999) 201 KIND: A*

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23) *AUTHORS : P. Abreu et al.*

*TITLE: Energy Dependence of Event Shapes and of  $\alpha_s$  at LEP 2.*

*REFERENCE JOURNAL Phys. Lett. B456 (1999) 322 KIND: A*

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24) *AUTHORS : P. Abreu et al.*

*TITLE: Search for charginos nearly mass-degenerate with the lightest neutralino.*

*REFERENCE JOURNAL Eur. Phys. J. C11 (1999) 1 KIND: A*

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25) *AUTHORS : P. Abreu et al.*

*TITLE: Measurement of the Lifetime of  $b$ -baryons*

*REFERENCE JOURNAL E. Phys. J. C10 (1999) 185 KIND: A*

---

26) *AUTHORS : P. Abreu et al.*

*TITLE: Measurement of the forward backward asymmetry of  $c$  and  $b$  quarks at the  $Z$  pole using reconstructed  $D$  mesons*

*REFERENCE JOURNAL E. Phys. J. C10 (1999) 219 KIND: A*

---

27)AUTHORS : P. Abreu et al.

TITLE: Search for neutral Higgs bosons in  $e^+e^-$  collisions at  $\sqrt{s} = 183$  GeV

REFERENCE JOURNAL **Eur. Phys. J. C10 (1999) 563** KIND: A

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28)AUTHORS : P. Abreu et al.

TITLE: Measurement and Interpretation of Fermion-Pair Production at LEP energies from 130 to 172 GeV.

REFERENCE JOURNAL **Eur. Phys. J. C11 (1999) 383** KIND: A

---

29)AUTHORS : P. Abreu et al.

TITLE: The Scale Dependence of the Hadron Multiplicity in Quark and Gluon Jets and a Precise Determination of  $C_A/C_F$ .

REFERENCE JOURNAL **Phys. Lett. B449 (1999) 383** KIND: A

---

30)AUTHORS : P. Abreu et al.

TITLE: Measurement of Inclusive  $\rho^0$ ,  $f_0(980)$ ,  $f_2(1270)$ ,  $K^{*0}_2(1430)$  and  $f'_2(1525)$  Production in Z Decays.

REFERENCE JOURNAL **Phys. Lett. B449 (1999) 364** KIND: A

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31)AUTHORS : P. Abreu et al.

TITLE: Study of the four-jet anomaly observed at LEP centre-of-mass energies of 130 and 136 GeV.

REFERENCE JOURNAL **Phys. Lett. B448 (1999) 311** KIND: A

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32)AUTHORS : P. Abreu et al.

TITLE: Measurement of  $A_{FB}^b$  in Hadronic Z Decays using a Jet Charge Technique.

REFERENCE JOURNAL **E. Phys. J. C9 (1999) 367** KIND: A

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33)AUTHORS : P. Abreu et al.

TITLE: A precise measurement of the partial decay width ratio  $R_b = \Gamma_b/\Gamma_{had}$ .

REFERENCE JOURNAL **E. Phys. J. C10 (1999) 415** KIND: A

---

34)AUTHORS : P. Abreu et al.

TITLE: Search for Leptoquarks and FCNC in  $e^+e^-$  annihilations at  $\sqrt{s} = 183$  GeV.

REFERENCE JOURNAL **Phys. Lett. B446 (1999) 62** KIND: A

---

35)AUTHORS : P. Abreu et al.

TITLE: Search for charginos, neutralinos and gravitinos in  $e^+e^-$  interactions at  $\sqrt{s} = 183$  GeV.

REFERENCE JOURNAL **Phys. Lett. B446 (1999) 75** KIND: A

---

36)AUTHORS : P. Abreu et al.

TITLE: A Search for Heavy Stable and Long-Lived Squarks and Sleptons in  $e^+e^-$  Collisions at Energies from 130 to 183 GeV.

REFERENCE JOURNAL **Phys. Lett. B444 (1998) 491** KIND: A

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37) *AUTHORS : P. Abreu et al.*

*TITLE: Search for lightest neutralino and stau pair production in light gravitino scenarios with stau NLSP.*

*REFERENCE JOURNAL E. Phys. J. C7 (1999) 595 KIND: A*

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38) *AUTHORS : P. Abreu et al.*

*TITLE: Search for composite and exotic fermions at LEP 2.*

*REFERENCE JOURNAL E. Phys. J. C8 (1999) 41 KIND: A*

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39) *AUTHORS : P. Abreu et al.*

*TITLE: A Search for  $\eta'_c$  Production in Photon-Photon Fusion at LEP.*

*REFERENCE JOURNAL Phys. Lett. B441 (1998) 479 KIND: A*

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40) *AUTHORS : P. Abreu et al.*

*TITLE: Search for pair-produced neutralinos in events with photons and missing energy from  $e^+e^-$  collisions at  $\sqrt{s} = 130\text{--}183$  GeV.*

*REFERENCE JOURNAL E. Phys. J. C6 (1999) 371 KIND: A*

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41) *AUTHORS : P. Abreu et al.*

*TITLE: Two-Particle Angular Correlations in  $e+e-$  Interactions compared with QCD Predictions*

*REFERENCE JOURNAL Phys. Lett. B440 (1998) 203 KIND: A*

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42) *AUTHORS : P. Abreu et al.*

*TITLE: Search for Scalar Fermions and Long-Lived Scalar Leptons at Centre-of-Mass Energies of 130 GeV to 172 GeV*

*REFERENCE JOURNAL E. Phys. J. C6 (1999) 385 KIND: A*

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43) *AUTHORS : P. Abreu et al.*

*TITLE: Measurement of  $|V_{cs}|$  using  $W$  decays at LEP2*

*REFERENCE JOURNAL Phys. Lett. B439 (1998) 209 KIND: A*

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44) *AUTHORS : P. Abreu et al.*

*TITLE:  $m_{\pi^{\pm}}$ ,  $m_{K^{\pm}}$ ,  $p$  and  $\bar{p}$  production in  $m_{Z^{\pm}}$ ,  $m_{Z^{\pm}}$ ,  $m_{Z^{\pm}}$ .*

*REFERENCE JOURNAL E. Phys. J. C5 (1998) 585 KIND: A*

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45) *AUTHORS : P. Abreu et al.*

*TITLE: Measurement of the  $e^+e^- \rightarrow \gamma\gamma$  cross section at the LEP energies*

*REFERENCE JOURNAL Phys. Lett. B433 (1998) 429 KIND: A*

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46) *AUTHORS : P. Abreu et al.*

*TITLE: Measurement of the charged particle multiplicity of weakly decaying  $B$  hadrons*

*REFERENCE JOURNAL Phys. Lett. B425 (1998) 399 KIND: A*

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47) *AUTHORS : P. Abreu et al.*

*TITLE: First Evidence for a Charm Radial Excitation,  $D^{*+}$*

*REFERENCE JOURNAL Phys. Lett. B426 (1998) 231 KIND: A*

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48) *AUTHORS : P. Abreu et al.*

*TITLE: Investigation of the Splitting of Quark and Gluon Jets*

*REFERENCE JOURNAL E. Phys. J. C4 (1998) 1 KIND: A*

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49) *AUTHORS : P. Abreu et al.*

*TITLE: A study of the hadronic resonance structure in the decay  $\tau \rightarrow 3\pi\nu_\tau$*

*REFERENCE JOURNAL Phys. Lett. B426 (1998) 411 KIND: A*

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50) *AUTHORS : P. Abreu et al.*

*TITLE: Measurement of the inclusive charmless and double-charm B branching ratios*

*REFERENCE JOURNAL Phys. Lett. B426 (1998) 193 KIND: A*

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51) *AUTHORS : P. Abreu et al.*

*TITLE: Measurement of Trilinear Gauge Couplings in  $e^+e^-$  Collisions at 161 GeV and 172 GeV*

*REFERENCE JOURNAL Phys. Lett. B423 (1998) 194 KIND: A*

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52) *AUTHORS : P. Abreu et al.*

*TITLE: Measurement of the W-pair cross-section and of the W mass in  $e^+e^-$  interactions at 172 GeV*

*REFERENCE JOURNAL E. Phys. J. C2 (1998) 581 KIND: A*

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53) *AUTHORS : P. Abreu et al.*

*TITLE: Search for charged Higgs bosons in  $e^+e^-$  collisions at  $\sqrt{s} = 172$  GeV*

*REFERENCE JOURNAL Phys. Lett. B420 (1998) 140 KIND: A*

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54) *AUTHORS : P. Abreu et al.*

*TITLE:  $m_b$  at  $M_Z$*

*REFERENCE JOURNAL Phys. Lett. B418 (1998) 430 KIND: A*

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55) *AUTHORS : P. Abreu et al.*

*TITLE: Search for  $B^0_s - \bar{B}^0_s$  oscillations*

*REFERENCE JOURNAL Phys. Lett. B414 (1997) 382 KIND: A*

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56) *AUTHORS : P. Abreu et al.*

*TITLE: Charged Particle Multiplicity in  $e^+e^- \rightarrow q\bar{q}$  events at 161 and 172 GeV and from the Decay of the W Boson*

*REFERENCE JOURNAL Phys. Lett. B416 (1998) 233 KIND: A*

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57) *AUTHORS : P. Abreu et al.*

*TITLE: Measurement of the Triple Gluon Vertex from double quark tagged 4-Jet Events*

*REFERENCE JOURNAL Phys. Lett. B414 (1997) 401 KIND: A*

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58)AUTHORS : P. Abreu et al.

TITLE: Measurement of the Quark and Gluon Fragmentation Functions in Z Hadronic Decays

REFERENCE JOURNAL E. Phys. J. C6 (1999) 19 KIND: A

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59)AUTHORS : P. Abreu et al.

TITLE: Search for charginos, neutralinos and gravitinos at LEP

REFERENCE JOURNAL E. Phys. J. C1 (1998) 1 KIND: A

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60)AUTHORS : P. Abreu et al.

TITLE: Search for neutral and charged Higgs bosons in  $e^+e^-$  collisions at  $\sqrt{s} = 161$  GeV and 172 GeV

REFERENCE JOURNAL E. Phys. J. C2 (1998) 1 KIND: A

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61)AUTHORS : P. Abreu et al.

TITLE: Observation of Charge-Ordering in Particle Production in Hadronic Z0 Decay

REFERENCE JOURNAL Phys. Lett. B407 (1997) 174 KIND: A

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62)AUTHORS : P. Abreu et al.

TITLE: Measurement of the Spin Density Matrix for the  $\rho^0$ ,  $K^{*0}(892)$  and  $\phi$  Produced in Z Decays

REFERENCE JOURNAL Phys. Lett. B406 (1997) 271 KIND: A

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63)AUTHORS : P. Abreu et al.

TITLE: Measurement of  $B^0_d - \bar{B}^0_d$  oscillations

REFERENCE JOURNAL Zeit. Phys. C76 (1997) 579 KIND: A

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64)AUTHORS : P. Abreu et al.

TITLE: A study of the reaction  $e^+ e^- \rightarrow \mu^+ \mu^- \gamma_{sc}$  ISR at LEP and search for new physics at annihilation energies near 80 GeV

REFERENCE JOURNAL Zeit. Phys. C75 (1997) 581 KIND: A

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65)AUTHORS : P. Abreu et al.

TITLE: Measurement of the Multiplicity of Gluons Splitting to Bottom Quark Pairs in Hadronic Z Decays

REFERENCE JOURNAL Phys. Lett. B405 (1997) 202 KIND: A

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66)AUTHORS : P. Abreu et al.

TITLE: Measurement of the transverse spin correlation in  $Z \rightarrow \tau^+ \tau^-$  decays.

REFERENCE JOURNAL Phys. Lett. B404 (1997) 194 KIND: A

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67)AUTHORS : P. Abreu et al.

TITLE: Measurement of Correlations between Pions from Different  $W$ 's in  $e^+e^- \rightarrow W^+ W^-$  Events.

REFERENCE JOURNAL Phys. Lett. B401 (1997) 181 KIND: A

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68)AUTHORS : P. Abreu et al.

TITLE: Rapidity Correlations in Lambda Baryon and Proton Production in Hadronic Z Decays

REFERENCE JOURNAL Phys. Lett. B416 (1998) 247 KIND: A

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69)AUTHORS : P. Abreu et al.

TITLE: Measurement and interpretation of the W-pair cross-section in  $e^+e^-$  interactions at 161 GeV

REFERENCE JOURNAL Phys. Lett. B397 (1997) 158 KIND: A

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70)AUTHORS : P. Abreu et al.

TITLE: Search for Neutral Heavy Leptons Produced in Z Decays

REFERENCE JOURNAL Zeit. Phys. C74 (1997) 57 KIND: A

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71)AUTHORS : P. Abreu et al.

TITLE: Search for the  $B_c$  Meson

REFERENCE JOURNAL Phys. Lett. B398 (1997) 207 KIND: A

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72)AUTHORS : P. Abreu et al.

TITLE: Identified Particles in Quark and Gluon Jets

REFERENCE JOURNAL Phys. Lett. B401 (1997) 118 KIND: A

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73)AUTHORS : P. Abreu et al.

TITLE: Search for Stable Heavy Charged Particles in  $e^+e^-$  Collisions at  $\sqrt{s}$   
= 130-136, 161 and 172 GeV

REFERENCE JOURNAL Phys. Lett. B396 (1997) 315 KIND: A

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74)AUTHORS : P. Abreu et al.

TITLE: A Measurement of  $\alpha_s$  from the Scaling Violation in  $e^+e^-$  Annihilation.

REFERENCE JOURNAL Phys. Lett. B398 (1997) 194 KIND: A

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75)AUTHORS : P. Abreu et al.

TITLE:

Search for excited leptons in  $e^+e^-$  collisions at  $\sqrt{s}=161$  GeV

REFERENCE JOURNAL Phys. Lett. B393 (1997) 245 KIND: A

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76)AUTHORS : P. Abreu et al.

TITLE: A precise measurement of the  $B^0_d$  meson lifetime using a new technique

REFERENCE JOURNAL Zeit. Phys. C74 (1997) 19 KIND: A

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77)AUTHORS : P. Abreu et al.

TITLE: An Upper Limit for  $Br(Z_0 \rightarrow ggg)$  from Symmetric  $3\text{-jet}$   $Z_0$  Hadronic Decays

REFERENCE JOURNAL Phys. Lett. B389 (1996) 405 KIND: A

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78)AUTHORS : P. Abreu et al.

TITLE: Measurement of Event Shape and Inclusive Distributions at  $\sqrt{s}=130$  and 136 GeV

REFERENCE JOURNAL Zeit. Phys. C73 (1997) 229 KIND: A

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79)AUTHORS : P. Abreu et al.

TITLE: Search for Lepton Flavour Number violating Z-Decays

REFERENCE JOURNAL Zeit. Phys. C73 (1997) 243 KIND: A

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80)AUTHORS : P. Abreu et al.

TITLE: Tuning and Test of Fragmentation Models Based on Identified Particles and Precision Event Shape Data

REFERENCE JOURNAL Zeit. Phys. C73 (1996) 11 KIND: A

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81)AUTHORS : P. Abreu et al.

TITLE: Search for Pair Production of Heavy Objects in 4-Jet Events at  $\sqrt{s}=130-136$  GeV

REFERENCE JOURNAL Zeit. Phys. C73 (1996) 1 KIND: A

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82)AUTHORS : P. Abreu et al.

TITLE: Search for neutralinos, scalar leptons and scalar quarks in  $e^+e^-$  interactions at  $\sqrt{s}=130$  GeV and 136 GeV

REFERENCE JOURNAL Phys. Lett. B387 (1996) 651 KIND: A

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83)AUTHORS : P. Abreu et al.

TITLE: Measurement of Inclusive  $K^+ (892)$ ,  $\phi(1020)$  and  $K^{*0}_2 (1430)$  Production in Hadronic Z Decays

REFERENCE JOURNAL Zeit. Phys. C73 (1996) 61 KIND: A

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84)AUTHORS : P. Abreu et al.

TITLE: Search for high mass  $\gamma\gamma$  resonances in  $e^+e^- \rightarrow l^+l^- \gamma\gamma$ ,  $\nu\bar{\nu}\gamma\gamma$  and  $q\bar{q}\gamma\gamma$  at LEP I

REFERENCE JOURNAL Zeit. Phys. C72 (1996) 179 KIND: A

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85)AUTHORS : P. Abreu et al.

TITLE: Search for the lightest chargino at  $\sqrt{s} = 130$  and 136 GeV

REFERENCE JOURNAL Phys. Lett. B382 (1996) 323 KIND: A

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86)AUTHORS : P. Abreu et al.

TITLE: Study of rare b decays with the DELPHI detector at LEP

REFERENCE JOURNAL Zeit. Phys. C72 (1996) 207 KIND: A

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87)AUTHORS : P. Abreu et al.

TITLE: Search for anomalous production of single photons at  $\sqrt{s}=130$  and 136 GeV

REFERENCE JOURNAL Phys. Lett. B380 (1996) 471 KIND: A

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88)AUTHORS : P. Abreu et al.

TITLE: Study of radiative leptonic events with hard photons and search for excited charged leptons at  $\sqrt{s}=130-136$  GeV

REFERENCE JOURNAL Phys. Lett. B380 (1996) 480 KIND: A

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89)AUTHORS : P. Abreu et al.

TITLE: Kaon Interference in the Hadronic Decays of the Z

REFERENCE JOURNAL Phys. Lett. B379 (1996) 330 KIND: A

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90)AUTHORS : P. Abreu et al.

TITLE: First Study of the Interference between Initial and Final State Radiation at the Z Resonance

REFERENCE JOURNAL Zeit. Phys. C72 (1996) 31 KIND: A

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91)AUTHORS : P. Abreu et al.

TITLE: Mean lifetime of the  $B_s^0$  meson

REFERENCE JOURNAL Zeit. Phys. C71 (1996) 11 KIND: A

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92)AUTHORS : P. Abreu et al.

TITLE: First Measurement of  $f'_{2(1525)}$  Production in Z Hadronic Decays

REFERENCE JOURNAL Phys. Lett. B379 (1996) 30 KIND: A

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93)AUTHORS : P. Abreu et al.

TITLE: Determination of the average lifetime of b-baryons

REFERENCE JOURNAL Zeit. Phys. C71 (1996) 199 KIND: A

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94)AUTHORS : P. Abreu et al.

TITLE: Search for exclusive decays of the Lambda b baryon and measurement of its mass

REFERENCE JOURNAL Phys. Lett. B374 (1996) 351 KIND: A

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95)AUTHORS : P. Abreu et al.

TITLE: Measurement of the partial decay width  $\Gamma_{b^0} = \Gamma_{b^0 \rightarrow \bar{b} \gamma} / \Gamma_{b^0 \rightarrow \text{had}}$   
of the Z with the DELPHI detector at LEP

REFERENCE JOURNAL Zeit. Phys. C70 (1996) 531 KIND: A

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96)AUTHORS : P. Abreu et al.

TITLE: Updated Precision Measurement of the Average Lifetime of B Hadrons

REFERENCE JOURNAL Phys. Lett. B377 (1996) 195 KIND: A

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97)AUTHORS : P. Abreu et al.

TITLE: Production of  $\Sigma^0$  and  $\Omega^-$  in Z Decays

REFERENCE JOURNAL Zeit. Phys. C70 (1996) 371 KIND: A

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98)AUTHORS : P. Abreu et al.

TITLE: Determination of  $|V_{cb}|$  from the semileptonic decay  $B^0 \rightarrow D^{*-} l^+ \nu$

REFERENCE JOURNAL Zeit. Phys. C71 (1996) 539 KIND: A

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99)AUTHORS : P. Abreu et al.

TITLE: Measurement of the  $B^0_d$  oscillation frequency using kaons, leptons and jet charge



REFERENCE JOURNAL *Zeit. Phys.* C72 (1996) 17 KIND: A

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100)AUTHORS : P. Abreu et al.

TITLE: Charged Particle Multiplicity in  $e^+e^-$  Interactions at  $\sqrt{s} = 130$  GeV

REFERENCE JOURNAL *Phys. Lett.* B372 (1996) 172 KIND: A

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101)AUTHORS : P. Abreu et al.

TITLE: Search for New Phenomena using Single Photon Events at LEP1

REFERENCE JOURNAL *Zeit. Phys.* C74 (1997) 577 KIND: A

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102)AUTHORS : P. Abreu et al.

TITLE: Performance of the DELPHI Detector

REFERENCE JOURNAL *Nucl. Instr. and Meth.* A378 (1996) 57 KIND: A

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103)AUTHORS : P. Abreu et al.

TITLE: Energy Dependence of the Differences between the Quark and Gluon Jet Fragmentation

REFERENCE JOURNAL *Zeit. Phys.* C70 (1996) 179 KIND: A

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104)AUTHORS : P. Abreu et al.

TITLE: A Measurement of the Tau Lifetime

REFERENCE JOURNAL *Phys. Lett.* B302 (1993) 356 KIND: A

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105)AUTHORS : P. Abreu et al.

TITLE: Measurement of  $V_{cb}$  from the decay process  $\bar{B}^0 \rightarrow D^{*+} l^- \bar{\nu}_l$ .

REFERENCE JOURNAL *Phys. Lett.* B510:55-74,2001 KIND: A

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106)AUTHORS : P. Abreu et al.

TITLE: Measurement of the semileptonic  $b$  branching fractions and average  $b$  mixing parameter in  $Z$  decays

REFERENCE JOURNAL *Eur.Phys.J.* C20:455-478,(2001) KIND: A

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107)AUTHORS : P. Abreu et al.

TITLE: Study of Dimuon Production in Photon-Photon Collisions and Measurement

of QED Photon Structure Functions at LEP

REFERENCE JOURNAL *Eur. Phys. J.* C19(2001)15 KIND: A

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108)AUTHORS : P. Abreu et al.

TITLE: Search for R-parity violation with a  $\bar{u} \bar{d} \bar{d}$  coupling at  $\sqrt{s} = 189$  GeV

REFERENCE JOURNAL *Physics Letters* B500(2001)22 KIND: A

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109)AUTHORS : P. Abreu et al.

TITLE: Search for the sgoldstino at  $\sqrt{s}$  from 189 to 202 GeV

REFERENCE JOURNAL *Phys.Lett.* B494(2000)203 KIND: A

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110)AUTHORS : P. Abreu et al.

TITLE: Search for supersymmetric partners of top and bottom quarks at  $\sqrt{s} = 189$  GeV  
REFERENCE JOURNAL *Phys.Lett.***B496**(2000)59 KIND: A

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111)AUTHORS : P. Abreu et al.

TITLE: Determination of the  $e^+e^- \rightarrow \gamma \gamma (\gamma)$  cross-section at  
centre-of-mass energies ranging from 189 GeV to 202 GeV

REFERENCE JOURNAL *Physics Letters* **B491** (2000)67 KIND: A

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112)AUTHORS : P. Abreu et al.

TITLE: Measurement of the ZZ cross-section in  $e^+ e^-$  interactions at 183-189 GeV

REFERENCE JOURNAL *Phys.Lett.***B497**(2001)199 KIND: A

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113)AUTHORS : P. Abreu et al.

TITLE: Limits on the Masses of Supersymmetric Particles at  $\sqrt{s}=189$  GeV

REFERENCE JOURNAL *Physics Letters* **B489**(2000)38 KIND: A

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114)AUTHORS : P. Abreu et al.

TITLE: Study of  $B^0_s - \bar{B}^0_s$  oscillations and  $B^0_s$  lifetimes using hadronic decays of  $B^0_s$  mesons

REFERENCE JOURNAL *Eur.Phys.J* **C18**(2000)229 KIND: A

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115)AUTHORS : P. Abreu et al.

TITLE: Rapidity-Rank Structure of  $\bar{m}m$  Pairs in Hadronic  $Z^0$  Decays

REFERENCE JOURNAL *Physics Letters* **B490**(2000)61 KIND: A

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116)AUTHORS : P. Abreu et al.

TITLE: Measurement and Interpretation of Fermion-Pair Production at LEP  
Energies of 183 and 189 GeV.

REFERENCE JOURNAL *Phys.Lett.* **B485** (2000)45 KIND: A

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117)AUTHORS : P. Abreu et al.

TITLE: Search for SUSY with R --parity violating  $LL \bar{E}S$  couplings at  $\sqrt{s} = 189$  GeV.

REFERENCE JOURNAL *Physics Letters* **B487**(2000)36 KIND: A

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118)AUTHORS : P. Abreu et al.

TITLE: A search for invisible Higgs bosons produced in  $e^+ e^-$  interactions up  
to  $\sqrt{s} = 189$  GeV.

REFERENCE JOURNAL *Phys. Lett.* **B459** (1999) 367 KIND: A

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119)AUTHORS : P. Abreu et al.

TITLE: Measurement of the  $B^0_s$  Lifetime and Study of  $B^0_s - \bar{B}^0_s$   
Oscillations using  $D_s$  Events.

REFERENCE JOURNAL *E. Phys. J.* **C16**(2000)555 KIND: A

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120)AUTHORS : P. Abreu et al.

TITLE: Searches for Neutral Higgs Bosons in  $e^+ e^-$  Collisions around  $\sqrt{s} = 189$  GeV

REFERENCE JOURNAL *E. Phys. J.* **C17**(2000)187/549 KIND: A

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121)AUTHORS : P. Abreu et al.

TITLE: Cross-Sections and Leptonic Forward-Backward Asymmetries from the Z Running of LEP.

REFERENCE JOURNAL E. Phys. J. C16(2000)371 KIND: A

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122)AUTHORS : P. Abreu et al.

TITLE: W pair production cross-section and W branching fractions in  $e^+e^-$  interactions at 189 GeV.

REFERENCE JOURNAL Physics Letters B479(2000)89 KIND: A

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123)AUTHORS : P. Abreu et al.

TITLE: Update of the search for charginos nearly mass-degenerate with the lightest neutralino.

REFERENCE JOURNAL Physics Letters B485(2000)95 KIND: A

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124)AUTHORS : P. Abreu et al.

TITLE: Determination of  $|V_{ub}|/|V_{cb}|$  with DELPHI at LEP.

REFERENCE JOURNAL Phys.Lett.B478 (2000)14 KIND: A

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125)AUTHORS : P. Abreu et al.

TITLE: A Study of the Lorentz Structure in Tau Decays.

REFERENCE JOURNAL E. Phys.J.C16 (2000) 229 KIND: A

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126)AUTHORS : P. Abreu et al.

TITLE: Charged and Identified Particles in the Hadronic Decay of W Bosons and in  $e^+e^- \rightarrow q \bar{q}$  from 130 to 200 GeV.

REFERENCE JOURNAL Eur. Phys.J.C18(2000)203 KIND: A

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127)AUTHORS : P. Abreu et al.

TITLE: Photon Events with Missing Energy at  $\sqrt{s} = 183$ -to- $189$  GeV

REFERENCE JOURNAL Eur.Phys.J.C17(2000)53 KIND: A

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128)AUTHORS : P. Abreu et al.

TITLE: Search for Heavy Stable and Long-Lived Particles in  $e^+e^-$  Collisions at  $\sqrt{s} = 189$  GeV

REFERENCE JOURNAL Physics Letters B478(2000)65 KIND: A

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129)AUTHORS : P. Abreu et al.

TITLE: Search for supersymmetric particles in scenarios with a gravitino LSP and stau NLSP.

REFERENCE JOURNAL E.Phys.J.C16(2000)211 KIND: A

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130)AUTHORS : P. Abreu et al.

TITLE: Hadronization properties of b quarks compared to light quarks in  $e^+e^- \rightarrow q\bar{q}$  from 183 to 200 GeV

REFERENCE JOURNAL Phys. Lett.B479(2000)118, erratum Phys.Lett.B492(2000)398 KIND: A

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131)AUTHORS : P. Abreu et al.

TITLE: Inclusive  $\Sigma^-$  and  $\Lambda^-$  production in hadronic Z decays

REFERENCE JOURNAL Phys. Letters B475 (2000)429 KIND: A

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132)AUTHORS : P. Abreu et al.

TITLE: Search for charginos in  $e^+e^-$  interactions at  $\sqrt{s}=189$  GeV

REFERENCE JOURNAL Phys. Lett. B479(2000)129 KIND: A

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133)AUTHORS : P. Abreu et al.

TITLE: Identified Charged Particles in Quark and Gluon Jets

REFERENCE JOURNAL Eur. Phys. J. C17(2000)207 KIND: A

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## 6. Publications of Instrumentation related the CDF II upgrade: TOF (8)

1) )AUTHORS

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**Florida U. & Seoul Natl. U. & MIT & INFN, Pisa & Pisa U. & Cantabria U., Santander & INFN, Rome & Rome U. & Pennsylvania U. & Sung Kyun Kwan U. & Fermilab & Tsukuba U. & Kyungpook Natl. U. & LBL, Berkeley:**

D. Acosta, M. Ahn, K. Anikeev, G. Bauer, G. Bellettini, S. Cabrera, C. Cerri, S. De Cecco, D. De Pedis, A. DiGirolamo, C. Dionisi, J. Fernandez, I.K. Furic, C. Chen, I. Cho, S. Giagu, G. Gomez, C. Grozis, M. Jones, H. Kaneko, A. Kazama, R. Kephart, D.H. Kim, B.J. Kim, M.S. Kim, S. Kim, S.B. Kim, Y.K. Kim, J. Konigsberg, W. Kononenko, A. Korn, I. Kravchenko, J. Kroll, J. Lee, J. Lewis, A. Madorsky, G.M. Mayers, A. Menzione, M. Mulhearn, F.M. Newcomer, Y. Oh, R.G.C. Oldeman, C. Paus, S. Pavlon, J. Piedra, M. Rescigno, T. Rodrigo, A. Ruiz, K. Sato, K. Sato, R. Stanek, K. Sumorok, F. Ukegawa, D. Usynin, R. Van Berg, E. Vataga, G. Veramendi, I. Vila, R. Vilar, I. Yu, L. Zanello

### **A TIME-OF-FLIGHT DETECTOR IN CDF-II.**

By CDF-II Collaboration (D. Acosta *et al.*). 2004. 4pp.

Prepared for 9th Pisa Meeting on Advanced Detectors: Frontier Detectors for Frontier Physics, La Biodola, Isola d'Elba, Italy, 25-31 May 2003.

Published in **Nucl.Instrum.Meth.A518:605-608,2004**

2) )AUTHORS

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**Cantabria Inst. of Phys. & Fermilab & Kyungpook Natl. U. & LBL, Berkeley & MIT & Pennsylvania U. & INFN, Pisa & INFN, Rome & Seoul Natl. U. & Sung Kyun Kwan U. & Tsukuba U.:**

S. Cabrera, J. Fernandez, G. Gomez, J. Piedra, T. Rodrigo, A. Ruiz, I. Vila, R. Vilar, C. Grozis, R. Kephart, R. Stanek, D.H. Kim, M.S. Kim, Y. Oh, Y.K. Kim, G. Veramendi, K. Anikeev, G. Bauer, I.K. Furic, A. Korn, I. Kravchenko, M. Mulhearn, Ch. Paus, S. Pavlon, K. Sumorok, C. Chen, M. Jones, W. Kononenko, J. Kroll, G.M. Mayers, F.M. Newcomer, R.G.C. Oldeman, D. Usynin, R. Van Berg, G. Bellettini, C. Cerri, A. Menzione, F. Spinella, E. Vataga, S. De Cecco, D. De Pedis, C. Dionisi, S. Giagu, A. De Girolamo, M. Rescigno, L. Zanello, M. Ahn, B.J. Kim, S.B. Kim, I. Cho, J. Lee, I. Yu, H. Kaneko, A. Kazama, S. Kim, K. Sato, F. Ukegawa

**(57 authors listed)**

### **THE CDF TIME OF FLIGHT DETECTOR.**

By CDF Collaboration (S. Cabrera *et al.*). FERMILAB-CONF-03-404-E, Jan 2004. 14pp.

Presented at IEEE 2003 Nuclear Science Symposium (NSS) and Medical Imaging Conference (MIC) including Sessions on Nuclear Power Systems, Portland, Oregon, 19-24 Oct 2003

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3) **AUTHORS** : C. Grozis, R. Kephart, R. Stanek (Fermilab), D.H. Kim, M.S. Kim, Y. Oh (Kyungpook Natl. U.), Y.K. Kim, G. Vermendi (LBL, Berkeley), K. Anikeev, G. Bauer, I.K. Furic, A. Korn, I. Kravchenko, M. Mulhearn, C. Paus, S. Pavlon, K. Sumorok (MIT), C. Chen, M. Jones, W. Kononenko, J. Kroll, G.M. Mayers, M. Newcomer, R.G.C. Oldeman, D. Usynin, R. Van Berg (Pennsylvania U.), G. Bellettini, C. Cerri, A. Menzione (INFN, Pisa), S. Dececco, D. Depedis, C. Dionisi (INFN, Rome), S. Giagu (Rome U. & Fermilab), A. DiGirolamo, M. Rescigno, L. Zanello (INFN, Rome), S. Cabrera, J. Fernandez, G. Gomez, J. Piedra, T. Rodrigo, A. Ruiz, I. Vila, R. Vilar (Cantabria Inst. of Phys.), M. Ahn, B.J. Kim, S.B. Kim (Seoul Natl. U.), I. Cho, J. Lee, I. Yu (Sung Kyun Kwan U.), H. Kaneko, A. Kazama, S. Kim, K. Sato, K. Sato, F. Ukegawa (Tsukuba U.).

**TITLE:** **THE CDFII TIME-OF-FLIGHT DETECTOR AND IMPACT ON BEAUTY FLAVOR TAGGING**  
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4) **AUTHORS** : **THE CDF-II TIME-OF-FLIGHT DETECTOR**

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**Fermilab:**

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## 7. Publications of Instrumentation related the upgrade of the CDF II detector: SVX Run2b(5)

CDF silicon Run2b collaboration

P. Merkel, P. Azzi, N. Bacchetta, S. Behari, D. Benjamin, D. Bisello, G. Bolla, P. Booth, D. Bortoletto, G. Busetto, S. Cabrera, A. Canepa, M. Cascella, G. Cardoso, M. Chertok, C.I. Ciobanu, P. Cooke, G. Derylo, E.J. Feng, J.P. Fernandez, B. Flaughner, J. Freeman, L. Galtieri, M. Garcia-Sciveres, J. Goldstein, C. Haber, K. Hara, R. Harr, C. Hill, A. Himmel, B. Holbrook, S.C. Hong, M. Hrycyk, J. Incandela, E.J. Jeon, K.K. Joo, T. Junk, S. Kim, K. Kobayashi, D.J. Kong, M. Kruse, N. Kuznetsova, R. Lander, T. Landry, R. Lauhakangas, J. Lee, R.-S. Lu, P.J. Lujan, P. Lukens, E. Mandelli, C. Manea, P. Maksimovic, S.N. Min, I. Nakano, T. Nelson, T. Okusawa, R. Orava, Y. Orlov, K. Osterberg, D. Pellett, A. Soha, D. Stuart, R. Tanaka, M. Tavi, Z. Wang, M. Weber, W. Wester, K. Yamamoto, Y.C. Yang, W. Yao, W. Yao, J.C. Yun, F. Zetti, S. Zimmermann, S. Zucchelli

Fermilab & Padua U. & INFN, Padua & Johns Hopkins U. & Duke U. & Purdue U. & Liverpool U. & Pisa U. & UC, Davis & Illinois U., Urbana & LBL, Berkeley & Rutherford & Wayne State U. & UC, Santa Barbara & Okayama U. & Kyungpook Natl. U. & Helsinki U. & Helsinki Inst. of Phys. & Taiwan, Inst. Phys. & Sungkyunkwan U., Seoul & Osaka City U. & Kuopio U. & Bologna U. & INFN, Bologna & Seoul Natl. U.

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1)AUTHORS : T.Akimoto et al.

TITLE: **CDF RUN IIB SILICON DETECTOR: ELECTRICAL PERFORMANCE AND DEADTIME-LESS OPERATION**

REFERENCE/JOURNAL: **IEEE Trans.Nucl.Sci.51:987-993,2004** KIND: A

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2)AUTHORS : K.Hara et al.

TITLE: **SENSORS FOR THE CDF RUN2B SILICON DETECTOR**

REFERENCE/JOURNAL: **IEEE Trans.Nucl.Sci.51:1546-1554,2004** KIND: A

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TITLE: CDF RUN IIB SILICON: STAVE DESIGN AND TESTING  
REFERENCE/JOURNAL: IEEE Trans.Nucl.Sci.51:2209-2214,2004 KIND: A

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4)AUTHORS : M.Aoki et al.  
TITLE: THE CDF RUN IIB SILICON DETECTOR  
REFERENCE/JOURNAL: Nucl.Instrum.Meth.A518:270-276,2004 KIND: A

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5) P.Merkel et al.  
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## 8. Publications of the CDF collaboration (159)

- 1) TITLE: Search for New Particles Leading to Z+jets Final States in  $p\bar{p}$  Collisions at  $\sqrt{s}=1.96$  TeV.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL [arXiv:0706.3264] FERMILAB-PUB-07-261-E (Jun 2007)
- 2) TITLE: Limits on Anomalous Triple Gauge Couplings in  $p\bar{p}$  Collisions at  $s^{1/2} = 1.96$ -TeV.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL [arXiv:0705.2247] FERMILAB-PUB-07-123-E (May 2007) 7p.
- 3) TITLE: Measurement of the top-quark mass using missing  $E(T)$  + jets events with secondary vertex b-tagging at CDF II.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL [arXiv:0705.1594] FERMILAB-PUB-07-191-E (May 2007) 8p.
- 4) TITLE: Search for heavy, long-lived particles that decay to photons at CDF II.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL [arXiv:0704.0760] FERMILAB-PUB-07-075-E (Apr 2007) 7p.
- 5) TITLE: Polarization of  $J/\psi$  and  $\psi(2S)$  mesons produced in  $p$  anti- $p$  collisions at  $s^{1/2} = 1.96$ -TeV.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL [arXiv:0704.0638] FERMILAB-PUB-07-072-E (Apr 2007) 7p.
- 6) TITLE: Precise measurement of the top quark mass in the lepton+jets topology at CDF II.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL [hep-ex/0703045] FERMILAB-PUB-07-070-E (Mar 2007) 7p.

- 7) TITLE: Inclusive search for new physics with like-sign dilepton events in p anti-p collisions at  $s^{**}(1/2) = 1.96\text{-TeV}$ .  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL [hep-ex/0702051] FERMILAB-PUB-07-053-E (Feb 2007) 8p.
- 8) TITLE: First Measurement of the Ratio of Central-Electron to Forward-Electron W Partial Cross Sections in p anti-p Collisions at  $s^{**}(1/2) = 1.96\text{ TeV}$ .  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL [hep-ex/0702037] FERMILAB-PUB-07-046-E (Feb 2007) 8p.
- 9) TITLE: Observation of WZ Production.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL Phys.Rev.Lett.98:161801,2007. [hep-ex/0702027]
- 10) TITLE: Measurement of the Inclusive Jet Cross Section using the k(T) algorithm in p anti-p collisions at  $s^{**}(1/2) = 1.96\text{-TeV}$  with the CDF II Detector.  
AUTHORS CDF - Run II  
REFERENCE/JOURNAL Phys.Rev.D75:092006,2007,Erratum-ibid.D75: 119901,2007. [hep-ex/0701051]
- 11) TITLE: Search for anomalous production of multi-lepton events in p anti-p collisions at  $s^{**}(1/2) = 1.96\text{-TeV}$ .  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: FERMILAB-PUB-06-482-E (Jan 2007) 7p.
- 12) TITLE: Top pair production cross section at  $s^{**}(1/2) = 1.96\text{ TeV}$  and a search for  $\nu + a$  current in top quark decay.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: FERMILAB-CONF-06-356-E (Sep 2006) 5p.
- 13) TITLE: Observation of  $B_0(s)$  - anti- $B_0(s)$  Oscillations.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.97:242003,2006. [hep-ex/0609040]
- 14) TITLE: Measurement of the  $\Lambda_0(b)$  Lifetime in  $\Lambda_0(b) \rightarrow J/\psi \Lambda_0$  in p anti-p Collisions at  $s^{**}(1/2) = 1.96\text{-TeV}$ .  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: [hep-ex/0609021] FERMILAB-PUB-06-321-E (Sep 2006) 7p.
- 15) TITLE: Measurement of the t anti-t Production Cross Section in p anti-p collisions at  $s^{**}(1/2) = 1.96\text{-TeV}$  in the All Hadronic Decay Mode.  
AUTHORS CDF - Run II Collaboration  
REFERENCE/JOURNAL: Phys.Rev.D74:072005,2006. [hep-ex/0607095]
- 16) TITLE: Measurement of the t anti-t Production Cross Section in p anti-p collisions at  $s^{**}(1/2) = 1.96\text{-TeV}$  using Lepton + Jets Events with Jet Probability b-tagging.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.D74:072006,2006. [hep-ex/0607035]
- 17) TITLE: Top quark pair production cross section measurements in p anti-p collisions at  $s^{**}(1/2) = 1.96\text{ TeV}$ .  
AUTHORS CDF and D0 Collaboration  
REFERENCE/JOURNAL: FERMILAB-CONF-06-228-E (Jul 2006) 4p.



- 18) TITLE: Observation of  $B^0(s) \rightarrow K^+ K^-$  and Measurements of Branching Fractions of Charmless Two-body Decays of  $B^0$  and  $B^0(s)$  Mesons in anti-p p Collisions at  $\sqrt{s} = 1.96$ -TeV.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.97:211802,2006. [hep-ex/0607021]
- 19) TITLE: Search for excited and exotic muons in the  $\mu$   $\gamma$  decay channel in p anti-p collisions at  $\sqrt{s} = 1.96$ -TeV.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.97:191802,2006. [hep-ex/0606043]
- 20) TITLE: Measurement of the  $B^0(s) - \text{anti-}B^0(s)$  Oscillation Frequency.  
AUTHORS CDF - Run II Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.97:062003,2006, AIP Conf.Proc.870:116-123,2006. [hep-ex/0606027]
- 21) TITLE: Measurement of the  $t\bar{t}$  Production Cross Section in p anti-p collisions at  $\sqrt{s} = 1.96$ -TeV.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.97:082004,2006. [hep-ex/0606017]
- 22) TITLE: Data processing model for the CDF experiment.  
AUTHORS CDF - Run II  
REFERENCE/JOURNAL: IEEE Trans.Nucl.Sci.53:2897-2906,2006. [physics/0606042]
- 23) TITLE: Search for a neutral Higgs boson decaying to a W boson pair in p anti-p collisions at  $\sqrt{s} = 1.96$ -TeV.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.97:081802,2006. [hep-ex/0605124]
- 24) TITLE: Top quark mass measurement from dilepton events at CDF II with the matrix-element method.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.D74:032009,2006. [hep-ex/0605118]
- 25) TITLE: Measurement of the b jet cross-section in events with a Z boson in p anti-p collisions at  $\sqrt{s} = 1.96$ -TeV.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.D74:032008,2006. [hep-ex/0605099]
- 26) TITLE: Search for new physics in lepton + photon + X events with  $305 \text{ pb}^{-1}$  of p anti-p collisions at  $\sqrt{s} = 1.96$ -TeV.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.97:031801,2006. [hep-ex/0605097]
- 27) TITLE: Measurement of the ratio of branching fractions  $B(D^0 \rightarrow K^+ \pi^-) / B(D^0 \rightarrow K^- \pi^+)$  using the CDF II Detector.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.D74:031109,2006. [hep-ex/0605027]
- 28) TITLE: Search for Large Extra Dimensions in the Production of Jets and Missing Transverse Energy in ppbar Collisions at  $\sqrt{s} = 1.96$  TeV.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.97:171802,2006. [hep-ex/0605101]

- 29) TITLE: Measurement of the  $t$  anti- $t$  production cross section in  $p$  anti- $p$  collisions at  $s^{**}(1/2) = 1.96$ -TeV using missing  $E(T) + \text{jets}$  events with secondary vertex  $b$ -tagging.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.96:202002,2006. [hep-ex/0603043]
- 30) TITLE: Measurement of the  $B(c)+$  meson lifetime using  $B(c)+ \rightarrow J/\psi e+ \nu(e)$ .  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.97:012002,2006. [hep-ex/0603027]
- 31) TITLE: Search for high-mass resonances decaying to  $e \mu$  in  $p$  anti- $p$  collisions at  $s^{**}(1/2) = 1.96$ -TeV.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.96:211802,2006. [hep-ex/0603006]
- 32) TITLE: Search for  $Z'$   $\rightarrow e+ e-$  using dielectron mass and angular distribution.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.96:211801,2006. [hep-ex/0602045]
- 33) TITLE: Measurement of the top quark mass using template methods on dilepton events in  $p$  anti- $p$  collisions at  $s^{**}(1/2) = 1.96$ -TeV.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.D73:112006,2006. [hep-ex/0602008]
- 34) TITLE: Observation of  $B_0(s) \rightarrow \psi(2S)\phi$  and measurement of ratio of branching fractions  $B(B_0(s) \rightarrow \psi(2S)\phi) / B(B_0(s) \rightarrow J/\psi \phi)$ .  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.96:231801,2006. [hep-ex/0602005]
- 35) TITLE: Measurement of  $\sigma(\Lambda(b)0) / \sigma(\text{anti-}B_0) \times B(\Lambda_0(b) \rightarrow \Lambda_+(c) \pi^-) / B(\text{anti-}B_0 \rightarrow D^+ \pi^-)$  in  $p$  anti- $p$  collisions at  $S^{**}(1/2) = 1.96$ -TeV.  
AUTHORS CDF Collaboration  
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- 36) TITLE: Measurement of the dipion mass spectrum in  $X(3872) \rightarrow J/\psi \pi^+ \pi^-$  decays.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.96:102002,2006. [hep-ex/0512074]
- 37) TITLE: A Search for scalar bottom quarks from gluino decays in anti- $p p$  collisions at  $s^{**}(1/2) = 1.96$ -TeV.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.96:171802,2006. [hep-ex/0512072]
- 38) TITLE: Top quark mass measurement from dilepton events at CDF II.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.96:152002,2006. [hep-ex/0512070]
- 39) TITLE: Measurement of mass and width of the excited charmed meson states  $D_0(1)$  and  $D^*0(2)$  at CDF.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.D73:051104,2006. [hep-ex/0512069]
- 40) TITLE: Search for anomalous semileptonic decay of heavy flavor hadrons produced in association with a  $W$  boson at CDF II.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.D73:051101,2006. [hep-ex/0512065]

- 41) TITLE: Measurement of the inclusive jet cross section using the k(T) algorithm in p anti-p collisions at  $s^{1/2} = 1.96\text{-TeV}$ .  
AUTHORS CDF II Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.96:122001,2006. [hep-ex/0512062]
- 42) TITLE: Search for  $H \rightarrow b \text{ anti-}b$  produced in association with W bosons in p anti-p collisions at  $s^{1/2} = 1.96\text{-TeV}$ .  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.96:081803,2006. [hep-ex/0512051]
- 43) TITLE: Search for second-generation scalar leptoquarks in p anti-p collisions at  $s^{1/2} = 1.96\text{-TeV}$ .  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.D73:051102,2006. [hep-ex/0512055]
- 44) TITLE: Measurement of the inclusive jet cross section in p anti-p interactions at  $s^{1/2} = 1.96\text{-TeV}$  using a cone-based jet algorithm.  
AUTHORS CDF Run II Collaboration  
REFERENCE/JOURNAL: Phys.Rev.D74:071103,2006. [hep-ex/0512020]
- 45) TITLE: Measurement of the top quark mass with the dynamical likelihood method using lepton plus jets events with b-tags in p anti-p collisions at  $s^{1/2} = 1.96\text{-TeV}$ .  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.D73:092002,2006. [hep-ex/0512009]
- 46) TITLE: Measurement of the helicity of W bosons in top-quark decays.  
AUTHORS CDF-Run II  
REFERENCE/JOURNAL: Phys.Rev.D73:111103,2006. [hep-ex/0511023]
- 47) TITLE: Search for charged Higgs bosons from top quark decays in p anti-p collisions at  $s^{1/2} = 1.96\text{-TeV}$ .  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.96:042003,2006. [hep-ex/0510065]
- 48) TITLE: A Search for  $t \rightarrow \tau \nu q$  in t anti-t production.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Lett.B639:172,2006,Phys.Lett.B639: 172-178,2006. [hep-ex/0510063]
- 49) TITLE: Precision top quark mass measurement in the lepton + jets topology in p anti-p collisions at  $s^{1/2} = 1.96\text{-TeV}$ .  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.96:022004,2006. [hep-ex/0510049]
- 50) TITLE: Top quark mass measurement using the template method in the lepton + jets channel at CDF II.  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.D73:032003,2006. [hep-ex/0510048]
- 51) TITLE: Direct search for Dirac magnetic monopoles in p anti-p collisions at  $s^{1/2} = 1.96\text{-TeV}$ .  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.96:201801,2006. [hep-ex/0509015]

- 52) TITLE: Search for neutral MSSM Higgs bosons decaying to tau pairs in p anti-p collisions at  $s^{**}(1/2) = 1.96\text{-TeV}$ .  
AUTHORS CDF Collaboration  
REFERENCE/JOURNAL: Phys.Rev.Lett.96:011802,2006. [hep-ex/0508051]
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AUTHORS CDF Collaboration  
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AUTHORS CDF Collaboration  
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- AUTHORS CDF Collaboration  
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DELPHI (136)

Very well-known papers (100-249) :	<a href="#">2</a>	<a href="#">2</a>
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Less known papers (1-9) :	59	53
Unknown papers (0) :	8	7

