

PROGRAMME (as of 20 February 2004)
International Meeting on Fundamental Physics 2004, Alicante, 1–5 March, 2004

	Monday (1/3)	Tuesday (2/3)	Wednesday (3/3)	Thursday (4/3)	Friday (5/3)
9:00	“The ATLAS Experiment” Carmen García	“Quark mixing and CP Violation (I)” K.R. Schubert	“Quark mixing and CP Violation (II)” K.R. Schubert	“Quark mixing and CP Violation (III)” K.R. Schubert	Session on occasion of the 50 th anniversary of CERN (I)
10:00	“Higgs Physics at LHC ” (I) E. Ros	“ LHC – Non-Higgs Physics ” (I) L. Poggioli	“ LHC - Non-Higgs Physics ”(II) L. Poggioli	“ LHC - Non-Higgs Physics ”(III) L. Poggioli	
11:00	BREAK	BREAK	“Detection Methods for U.H.E. Neutrinos” E. Zas	BREAK	BREAK
11:30	“Higgs Physics at LHC ” (II) E. Ros	“The LHC Computing Grid Project” L. Robertson	Excursion to Tabarca Island Departure from Alicante: 13:00 Return from Tabarca: 17:00 (1 hour crossing)	“Quark mixing and CP Violation (IV)” K.R. Schubert	Session on occasion of the 50 th anniversary of CERN (II)
12:30	“Neutrino Physics” Theory (I) C. González-García	“Applications of the Grid technology” J. Marco		“Cosmology” (I) J. García-Bellido	
13:30	LUNCH	LUNCH		LUNCH	LUNCH
15:00	“Neutrino Physics” Theory (II) C. González-García	“The challenging tail of the Cosmic Ray spectrum” E. Zas		“Cosmology” (II) J. García-Bellido	Highlights of Spanish Particle Physics
16:00	“The CMS Experiment” M. Cerrada	“Review of Gamma–Ray Astrophysics” M. Martínez “		“Neutrino Physics” Experimental (I) A. Rubbia	
17:00	BREAK	BREAK	BREAK		
17:30	“The Linear Collider ” Overview and Physics. F. Richard	“Neutrino Telescopes” T. Montaruli	“Neutrino Physics” Experimental (II) A. Rubbia	Session in honour of Dr. Manuel Aguilar Benítez de Lugo	
18:30		“The Linear Collider ” Machine, Technology and interface with detectors Ph. Bambade			
19:00					
	RECEPTION at Santa Barbara Castle (20:30)			GALA DINNER (22:00)	

Session on the 50th Anniversary of CERN

On 29 September 1954, representatives of the twelve founding Member States of CERN ratified the Organization's convention, paving the way for the establishment of the world's leading fundamental physics research institution. The lectures in this session will review some of CERN's scientific achievements, its impact on science and society and will give a glimpse into the future.

"The discovery of the weak neutral currents"

T.B.A.

"The achievements of the CERN proton-antiproton Collider"

L. Di Lella (Scuola Normale Superiore, Pisa)

"The LEP era and its legacy"

D. Treille (CERN)

"Technology Transfer and Education at CERN"

J. A. Rubio (CERN)

"The next 50 years of CERN"

J. R. Ellis (CERN)

Highlights of Spanish Particle Physics

On the occasion of the 20th anniversary of the re-entry of Spain to CERN (November 1983), this session intends to gather, in an informal way, some views on the development of the Spanish HEP community since that event, with an emphasis on the role played by CERN in such a development. The speakers are some of the Spanish scientists who have had an outstanding role in scientific and managerial aspects of Spanish Particle Physics (they are by no means the only ones on the roll). There is no attempt to cover all aspects of our relations with CERN nor to analyze all the important progress made in those 20 years. The goal is just to have a direct impression - historical or otherwise- from the speakers in a few short presentations, from which to gain some insight on the past, present and future of our field in Spain.

Chairman: Domènec Espriu (UB)

"Introductory words"

D. Espriu (UB)

"CERN and Spanish Science in the 60's and 70's"

F. J Ynduráin (UAM)

"How Spain rejoined CERN 20 years ago"

J.A. Rubio (CERN)

"Spain and CERN: personal impressions"

E. Fernández (IFAE)

"Present and recent past of H.E.P. in Spain"

A. Ferrer (IFIC)

"Experimental High Energy Physics in Spain: The first 40 years.

A personal and biased view"

M. Aguilar-Benítez (CIEMAT)

Round-Table / Discussion