

Scientific Program

Monday 21

8:00-8:30 **Registration**

Plenary Session: Hall A

Chairperson: E. Oset

- 8:30-9:00 D. Jido, *Chiral symmetry for hadrons in nuclei*
- 9:00-9:30 H. Specht, *Thermal dileptons from hot and dense strongly interacting matter*
- 9:30-10:00 A. Dobado, *Holography, hadron viscosity and the phase transition*

10:00-10:30 **Coffee Break**

Plenary Session: Hall A

Chairperson: J. Nieves

- 10:30-11:00 R. Hayano, *Kaonic atoms and nuclei*
- 11:00-11:30 S. Hirenzaki, *Formation of meson nucleus systems*
- 11:30-12:00 G. Chanfray, *Chiral symmetry, scalar field and confinement: from nucleon structure to nuclear matter*
- 12:00-12:30 A. Gómez Nicola, *Chiral symmetry and mesons in hot and dense matter*

12:30-13:15 **Lunch**

Plenary Session: Hall A

Chairperson: M. Vicente

- 14:00-14:30 R. Rapp, *In-Medium Vector Mesons, Dileptons and Chiral Restoration*
- 14:30-15:00 S. Leupold, *Hadrons in strongly interacting matter*
- 15:00-15:30 P. Salabura, *Probing hadron properties in baryonic matter with HADES*
- 15:30-16:00 V. Metag, *The search for in-medium modifications of vector mesons - experimental status*

16:00-16:30 **Coffee Break**

16:30-18:30 **Parallel Sessions: Halls A,B,C:** See next page

Monday 21

Parallel Session A1: Hall A

Chairperson: A. Gómez Nicola

- 16:30-16:50 P. Camerini, *Study of the $K_{stop}^- A- \rightarrow \Sigma^{(+-)} \pi^{(-+)} A'$ reaction at DAΦNE*
- 16:50-17:10 V. Magas, *Status of deeply bound kaonic states in nuclei*
- 17:10-17:30 T. Sekihara, *Mesonic and non-mesonic absorption of kaon in nuclear matter and $\Lambda(1405)$ doorway process*
- 17:30-17:50 L. Fabbietti, *Strangeness production near the free NN-threshold*
- 17:50-18:10 D. Cabrera, *Spectral properties of mesons in hot and dense matter from energy weighted sum rules*
- 18:10-18:30 M. Hartmann, *Transparency-ratio measurements of Phi-meson production in C, Cu, Ag, and Au nuclei at 2.83 GeV*

Parallel Session B1: Hall B

Chairperson: L. S. Geng

- 16:30-16:50 A. Cieply, *On origins of dynamically generated resonances in the $\bar{K}N$ interaction*
- 16:50-17:10 M. Doering, *On eta and $\pi^0\eta$ photoproduction*
- 17:10-17:30 EJ Garzon Alama, *Radiative decay of dynamically generated resonances from vector-baryon*
- 17:30-17:50 T. Hyodo, *Compositeness of resonances in chiral unitary approach*
- 17:50-18:10 K. Khemchandani, *Resonances from three-hadron interactions*
- 18:10-18:30 S. Ozaki, *K^* photoproduction with Regge approach*

Parallel Session C1: Hall C

Chairperson: E. Hernández

- 16:30-16:50 C. Albertus, *Hyperfine mixing in $b \rightarrow c$ semileptonic and electromagnetic decays involving bc baryons*
- 16:50-17:10 T. Branz, *Mesonic bound states in the charmonium spectrum*
- 17:10-17:30 C. Downum, *Novel Charmonium and Bottomonium Spectroscopies due to Deeply Bound Hadronic Molecules from Single Pion Exchange*
- 17:30-17:50 D. Gamermann, *Exotic dynamically generated baryons with $C=-1$*
- 17:50-18:10 R. Molina, *A new interpretation for the $D_{s2}^*(2573)$ and the prediction of novel exotic charmed mesons*

Tuesday 22

Plenary Session: Hall A

Chairperson: J.A. Oller

- 8:00-8:30 A. Hosaka, *Algebraic aspects of chiral symmetry on hadron properties*
- 8:30-9:00 O. Scholten, *Analytic extension of the K-matrix formalism*
- 9:00-9:30 C. Didonato, *Hadron physics with KLOE and KLOE-2 experiments*
- 9:30-10:00 S. Schadmand, *Physics with WASA-at-COSY*

10:00-10:30 **Coffee Break**

Plenary Session: Hall A

Chairperson: J.R. Pelaez

- 10:30-11:00 L. Geng, *$f_0(1370)$, $f_0(1710)$, $f_2(1270)$, $f_2(1525)$ and $K_2^*(1430)$ as dynamically generated states from vector-vector interactions*
- 11:00-11:30 F. Giacosa, *Dynamical generation or dynamical reconstruction*
- 11:30-12:00 U. Meissner, *QCD Tests from Low Energy Hadron Physics*
- 12:00-12:30 M. Ostrick, *Recent results from the Crystal Ball at MAMI*

12:30-13:15 **Lunch**

Plenary Session: Hall A

Chairperson: J. Wambach

- 14:00-14:30 H. Toki, *Relativistic chiral mean field model for finite nuclei*
- 14:30-15:00 E. Epelbaum, *On the chiral expansion of n - π exchange: Hunting the powers of π*
- 15:00-15:30 L. Roca, *Axial-vector resonance in nuclear matter*
- 15:30-16:00 L. Tolos, *Heavy meson production in hot dense matter*

16:00-16:30 **Coffee Break**

16:30-18:50 **Parallel Sessions: Halls A,B,C:** See next page

Tuesday 22

Parallel Session A2: Hall A

Chairperson: TBA

- 16:30-16:50 R. Flores-Mendieta, *Baryon magnetic moments in large- N chiral perturbation theory*
- 16:50-17:10 J. Martín-Camalich, *Analysis of the lowest-lying baryon masses in covariant ChPT*
- 17:10-17:30 H. Dahiya, *Chiral symmetry breaking and electromagnetic structure of the nucleon*
- 17:30-17:50 G. Rios, *N_c and quark mass dependence of rho and sigma mesons from unitarized Chiral Perturbation Theory*
- 17:50-18:10 J. Friedrich, *Tests of ChPT with COMPASS*
- 18:10-18:30 M. Raggi, *Precision measurements of kaon radiative decays at NA48*
- 18:30-18:50 T. Ishiwatari, *Precision spectroscopy of light kaonic atom X-rays in the SID-DHARTA experiment*

Parallel Session B2: Hall B

Chairperson: TBA

- 16:30-16:50 H. Nagahiro, *A study of the admixture properties of the $a_1(1260)$ meson*
- 16:50-17:10 J. Yamagata-Sekihara, *Wavefunction of Lambda (1405) at two poles*
- 17:10-17:30 J. Siebenson, *The Lambda(1405) in pp collisions at 3.5 GeV*
- 17:30-17:50 T. Suzuki, *Strange multibaryons studied in the $^4\text{He}(K_{\text{stopped}}^-, \text{Lambda}N)$ reaction*
- 17:50-18:10 A. Martínez-Torres, *An alternative explanation for the Theta+(1540) pentaquark peak*
- 18:10-18:30 L. Dai, *Studying the decay modes of the J/psi into a vector meson and a resonance*

Parallel Session C2: Hall C

Chairperson: TBA

- 16:30-16:50 S. Venditti, *Precision Measurement of pi pi Scattering Lengths in Ke4 Decays*
- 16:50-17:10 D. Chiladze, *Single and Double Polarised Experiments at ANKE-COSY*
- 17:10-17:30 E. Ruiz Arriola, *Effective interactions and long distance symmetries*
- 17:30-17:50 G. Erkol, *Meson-Baryon Coupling Constants in Two-Flavor Lattice QCD*
- 17:50-18:10 J. Nebreda, *Quark mass dependence of light resonances and phase shifts in elastic pion-pion and pion-kaon scattering*
- 18:10-18:30 R. Torres, *Isospin breaking and the meson gas*

Wednesday 23

Plenary Session: Hall A

Chairperson: A. Ramos

- 8:00-8:30 A. Polls, *Nucleon correlations and the equation of state of nuclear matter*
- 8:30-9:00 M. Lutz, *Photon- and pion-nucleon interactions in a unitary and causal effective field theory based on the chiral Lagrangian*
- 9:00-9:30 B. Zou, *Exotic hadron-hadron S-wave interaction*
- 9:30-10:00 T. Nakano, *Recent results from LEPS and prospects at LEPS2*

10:00-10:30 **Coffee Break**

Plenary Session: Hall A

Chairperson: M. Oka

- 10:30-11:00 U. Meissner, *New results on charmonium decays from EFT*
- 11:00-11:30 J. Vijande, *Hidden and open charm meson spectrum*
- 11:30-12:00 S. Yasui, *D meson-nucleon hadron and nuclear systems*
- 12:00-12:30 T. Gutsche, *Heavy flavor hadron molecules*
- 12:30-13:00 M. Niyama, *Hadron physics at Belle*

13:00- **Lunch - Paella**

Plenary Session: Hall A

Chairperson: D. Richards

- 8:30-9:00 N. Brambilla, *Heavy Quarkonium*
- 9:00-9:30 Y. Koma, *Heavy quark potentials derived from lattice QCD*
- 9:30-10:00 S.H. Lee, *Diquark and Heavy multiquark states*
- 10:00-10:30 M.A. Sanchis-Lozano, *Possible signatures of new physics in bottomonium spectroscopy and decays*

10:30-11:00 **Coffee Break**

Plenary Session: Hall A

Chairperson: E. A. Ruiz Arriola

- 11:00-11:30 J. Portolés, *Essentials of Resonance Chiral Theory*
- 11:30-12:00 J. Goity, *Baryon phenomenology and the $1/N_c$ expansion*
- 12:00-12:30 V. Hejny, *Recent results from WASA-at-COSY*

12:30-13:15 **Lunch**

Plenary Session: Hall A

Chairperson: A. Hosaka

- 14:00-14:30 Altug Ozpineci, *A QCD Sum Rules Approach to Mixing of Hadrons*
- 14:30-15:00 D. J Lee, *Lattice calculations of nuclei using chiral effective field theory*
- 15:00-15:30 D. Richards, *The excited spectrum of mesons and baryons from lattice QCD*
- 15:30-16:00 F. Navarra, *Charm form factors in QCD sum rules*
- 16:00-16:30 M. Oka, *New model independent analysis of QCD sum rules*

16:30-17:00 **Coffee Break**

Plenary Session: Hall A

Chairperson: H. Toki

- 17:00-17:30 M. Nanova, *In-Medium Modifications of the omega Meson*
- 17:30-18:00 P. Tlustý, *Future Experiments with HADES at FAIR*
- 18:00-18:30 A. Lacour, *Chiral effective field theory for nuclear matter including long- and short-range multi-nucleon interactions*
- 18:30-19:00 M. Pavon Valderrama, *Perturbative Treatment of Chiral Two Pion Exchange in Nucleon-Nucleon Scattering*