

Session Program

7-11 Nov 2022

**Baryons 2022 - International Conference on
the Structure of Baryons**

Parallel session

Seville

Universidad Pablo de Olavide, de Sevilla, Ctra. de Utrera, km. 1 41013, Sevilla

Monday 7 November

14:30

Parallel session: New Facilities and Instrumentation I

Session | **Location:** Seville, Universidad Pablo de Olavide, de Sevilla, Ctra. de Utrera, km. 1 41013, Sevilla

14:30-15:00 **Probing CP symmetry with polarised and entangled hyperons**

Speaker

Karin Schönning

15:00-15:20 **Measurement of charm baryon lifetimes at Belle II**

Speaker

Sanjeeda Bharati Das

15:20-15:40 **Heavy quark masses with calibrated uncertainties**

Speaker

Pere Masjuan Queralt

15:40-16:00

Search for Hidden Sector New Particles in the 3-60 MeV Mass Range Focusing on the Hypothetical X17 Particle

Speaker

Ashot Gasparian

16:00

16:30

Parallel session: New Facilities and Instrumentation II

Session | **Location:** Seville, Universidad Pablo de Olavide, de Sevilla, Ctra. de Utrera, km. 1 41013, Sevilla

16:30-17:00 **Investigating the Structure of Matter with the AMBER Experiment**

Speaker

Catarina Quintans

17:00-17:20

Baryon resonance studies via meson photoproduction at the LEPS2/BGOegg experiment

Speaker

Toshikazu HASHIMOTO

17:20-17:40

Experimental access to the three-body forces between hadrons with ALICE

Speaker

Oton Vazquez Doce

17:40-18:00

Latest results on hadronic resonance production with ALICE at the LHC

Speaker

Enrico Fragiaco

18:00-18:20

Accessing the coupled-channels dynamics using femtoscopic correlations with ALICE at LHC

18:30

Speaker

Valentina Mantovani Sarti

Tuesday 8 November

14:30

Parallel session: Hadrons at finite temperature and density I

Session | **Location:** Seville, Universidad Pablo de Olavide, de Sevilla, Ctra. de Utrera, km. 1 41013, Sevilla

14:30-15:00 **Mesons, baryons and the phase diagram of QCD**

Speaker

Prof. Christian Fischer

15:00-15:20 **Mesons at finite temperature and density from the FRG**

Speaker

Ralf-Arno Tripolt

15:20-15:40 **Study of quarkonium in QGP from unquenched lattice QCD**

Speaker

Sajid Ali

15:40-16:00 **Chiral spin symmetry and the QCD phase diagram**

Speaker

Owe Philipsen

16:00

16:30

Parallel session: Hadrons at finite temperature and density II

Session | **Location:** Seville, Universidad Pablo de Olavide, de Sevilla, Ctra. de Utrera, km. 1 41013, Sevilla

16:30-17:00 **Hadron properties in nuclear medium (QCD sum rules)**

Speaker

Su Houn Lee

17:00-17:20 **Hadron induced Charmonium production**

Speaker

György Wolf

17:20-17:40 **Theory predictions for the J-PARC E16 experiment**

Speaker

Dr Philipp Gubler

17:40-18:00 **Dielectron measurements with the HADES at GSI**

Speaker

Jan-Hendrik Otto

18:00-18:20

Experimental study of in-medium spectral change of vector mesons in nuclear medium at J-PARC

Speaker

Kazuya Aoki

18:30

Wednesday 9 November

14:30

Parallel session: Structure of Hadrons I

Session | **Location:** Seville, Universidad Pablo de Olavide, de Sevilla, Ctra. de Utrera, km. 1 41013, Sevilla

14:30-15:00

Exploring the potential role of diquarks in hadronization using SIDIS on nuclear targets

Speaker

William King Brooks

15:00-15:20

Probing the Path-Length Dependence of Parton Energy Loss in Quark-Gluon Plasma

Speaker

Francois Arleo

15:20-15:40

Pentaquarks in a Bethe-Salpeter approach

Speaker

Luis Raul Torres Rojas

15:40-16:00

Molecular Ω_{cc} , Ω_{bb} and Ω_{bc} states

Speaker

Dr Albert Feijoo

16:00

Thursday 10 November

14:30

Parallel session: Structure of Hadrons II

Session | **Location:** Seville, Universidad Pablo de Olavide, de Sevilla, Ctra. de Utrera, km. 1 41013, Sevilla

14:30-15:00 **Proton's radii overview**

Speaker

Daniele Binosi

15:00-15:20 **Nucleon self-energy including two-loop contributions**

Speaker

Nils Dirk Conrad

15:20-15:40

The axial-vector form factor of the nucleon from two flavour Lattice QCD ensembles

Speaker

Matthias F M Lutz

15:40-16:00 **Proton GPDs from Lattice QCD: Fast and Accurate**

Speaker

Swagato Mukherjee

16:00

16:30

Parallel session: Structure of Hadrons III

Session | **Location:** Seville, Universidad Pablo de Olavide, de Sevilla, Ctra. de Utrera, km. 1 41013, Sevilla

16:30-17:00

Quantum tomography of nucleons, with some focus on TMDs (and PDFs)

Speaker

Prof. mariaelena boglione

17:00-17:20

Information entropy in fragmentation functions and their relation to pdfs

Speaker

Felipe J. Llanes-Estrada

17:20-17:40

Hard exclusive reactions beyond DVCS: Compton-like and vector meson production for GPD studies

Speaker

Marie Boër

17:40-18:00

Chiral EFT of deltas, nucleons and pions in the presence of external gravitational field

Speaker

Herzallah H.H. Alharazin

18:00-18:20

Definition of electromagnetic and gravitational local spatial densities

18:30

Speaker

Iuliia Panteleeva