

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

**Monday, November 7, 2022 - Friday, November 11, 2022**

**Seville**

## **Scientific Program**

**Topics:****Spectroscopy of hadrons**

Light/heavy flavor hadrons, Resonances, Exotics, Hadronic molecules, Spectroscopy and Lattice QCD

**Hadron-hadron interactions**

Meson-meson, meson-baryon and baryon-baryon interactions, Anti-proton interactions

**Electromagnetic and weak interactions**

Photo and electro productions of hadrons, P and CP-violating processes in nucleons and nuclei

**Hadrons at finite density and temperature**

The QCD vacuum, Chiral symmetry, Hadron properties, QGP, Heavy ion collisions

**Structure of hadrons**

Form Factors, Structure Functions, GPDs, TMDs, Fragmentation functions

**Theory for strong QCD**

Continuum Schwinger-function methods, lattice QCD, models and phenomenology

**New facilities and instrumentation**

EIC, EicC, FAIR, HE-HL LHC, super tau-charm factories, ILC, etc.

**Program:****Plenary talks**

Plenary sessions will focus on reviews of, and future prospects for, the above mentioned topics.

**Leading talks**

There will be more specific talks which will lead each parallel session focused in the above mentioned topics.

**Contributions**

Parallel sessions will be held, for which we strongly encourage as many contributions as possible. A poster session will also be arranged.

**IAC Committee:**

Constantia Alexandrou (Cyprus U.)  
Reinhard Beck (Mainz U.)  
Stanley J. Brodsky (SLAC)  
Lei Chang (Nankai U.)  
Jian-Ping Chen (Jefferson Lab.)  
Volker Crede (Florida State U.)  
Rolf Ent (Jefferson Lab.)  
Elena G. Ferreira (S. Compostela U.)  
Ralf W. Gothe (South Carolina U.)  
David G. Ireland (Glasgow U.)  
Tord Johansson (Uppsala U.)

Gastao Krein (IFT Sao Paulo)  
Matthias Lutz (Darmstadt, GSI)  
Richard G. Milner (MIT)  
Piet J.G. Mulders (Vrije U.)  
Maciej A. Nowak (Jagiellonian U.)  
Yongseok Oh (Kyungpook Natl. U.)  
Eugene Pasyuk (Jefferson Lab.)  
Bernard Pire (CPHT)  
Paul E. Reimer (ANL)  
Franck Sabatié (CEA Saclay)  
Andrew M. Sandorfi (Jefferson Lab.)  
Toru Sato (Osaka U.)  
Susan Schadmand (Jülich)  
Anthony W. Thomas (Adelaide U.)  
Raffaella de Vita (INFN Genova)  
Daniel Watts (Edinburgh U.)  
Anthony G. Williams (Adelaide U.)  
Bogdan Wojtsekhowski (Jefferson Lab.)

## **Spectroscopy of hadrons**

Light/heavy flavor hadrons, Resonances, Exotics, Hadronic molecules, Spectroscopy and Lattice QCD.

## **Hadron-hadron interactions**

Meson-meson, meson-baryon and baryon-baryon interactions, Anti-proton interactions.

## **Electromagnetic and weak interactions**

Photo and electro productions of hadrons, P and CP-violating processes in nucleons and nuclei.

## **Hadrons at finite density and temperature**

The QCD vacuum, Chiral symmetry, Hadron properties, QGP, Heavy ion collisions.

## **Structure of hadrons**

Form Factors, Structure Functions, GPDs, TMDs, Fragmentation functions.

## **Theory for strong QCD**

Continuum Schwinger-function methods, lattice QCD, models and phenomenology.

## **New Facilities and instrumentation**

EIC, EicC, FAIR, HE-HL LHC, super tau-charm factories, ILC, etc.