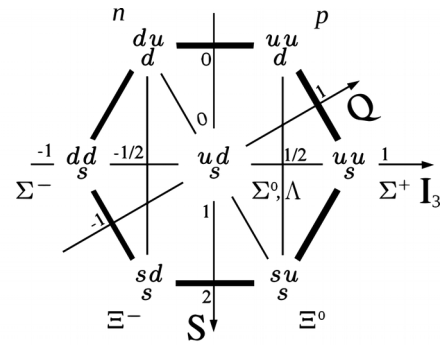


Baryons 2020

22-25th September, Seville



First Circular

The International Conference on the Structure of Baryons, Baryons 2020, will take place in Seville, the capital of Andalusia, Spain, in the period of 22-25 September 2020. This conference series began in 1970 at Duke University. The Seville meeting follows the successful events in Glasgow (2013) and Tallahassee (2016); and will canvass similar themes. It will highlight the physics of baryons and related subjects in astro-, nuclear- and particle-physics, developing our understanding of the spectrum, structure and reactions of baryons using all available tools. Particular emphasis will be placed on elucidating the role of confinement and emergent mass, key non-perturbative phenomena within the Standard Model. Recent developments at existing facilities and those anticipated from the next-generation will also be showcased.

Scientific Program

Main topics include:

- **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.

There will be three types of presentation:

- **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.

International Advisory 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.)
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- Franck Sabatié (CEA Saclay)
- Andrew M. Sandorfi (JLab)
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- 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.)

Local Organizing Committee

- Jorge Segovia (UPO, Spain) [Chair]
- Juan Antonio Caballero (USE, Spain)
- Feliciano De Soto (UPO, Spain)
- Teresa Peña (IST ULisboa, Portugal)
- Craig D. Roberts (NJU-INP, China)
- José Rodríguez-Quintero (UHU, Spain)
- Daria Sokhan (U. Glasgow, Scotland)

Call for Contributions

In order to contribute to the Baryons-2020 by giving a talk in one of the topical sessions, please submit the title and an abstract for your presentation through the Indico portal

<https://indico.cern.ch/event/853858/>

Important: The deadline for the submission of abstracts is May 31st, 2020.

Conference venue

The conference will be held at

Hotel Ribera de Triana
Plaza Chapina, s/n. 41010 Sevilla (Triana)
<https://www.hotelriberadetriana.com/>

It is 4-star hotel located in the heart of the Triana district of Seville, Spain. It is a lively and dynamic neighborhood with several traditional bars and restaurants. From the hotel you can enjoy beautiful views of the Guadalquivir River and the historic Triana Bridge. You can also overlook the city of Seville and catch a glimpse of the Giralda, bell tower of Seville's grand cathedral, which rises above the rooftops. The hotel offers a modern decor, with references to the Moorish heritage of Andalusia.

Registration and Registration Fee

The registration is now open at the web page (please, do not forget to use the Indico web page for registering your name in the participant list):

<https://baryons2020.com/>

The regular conference fee is 330 Euros. The fee covers a welcome reception, on the conference hotel rooftop, a boat trip to the restaurant for the conference dinner (and the dinner), conference kit, and coffee breaks. Note, too, that there is a student discount, i.e. a reduced fee of 180 Euros (*); and the possibility of adding an accompanying person for 80 Euros, which covers conference's social events. A late registration fee of 400 Euros will be charged after July 19th, 2020. Finally, please note that for on-site payment of the conference fee we can only accept cash.

(*) PhD students, who would like to pay the reduced fee, should contact Prof. Feliciano de Soto (fcsotbor@upo.es) before making the registration fee payment.

Visa information

A visa is necessary for most non-EU nationals. If a letter of invitation is required, please contact the local organizers as soon as possible.

Weather

The climate of Seville, the capital of Andalusia, Spain, can be defined as Mediterranean. In September, Seville normally receives at least 9 hours of sunshine per day. The temperatures generally range between 18 °C for overnight and 32 °C for during the day, and thus it is still very warm, despite the odd chance of a very light shower here or there.

Conference proceedings

Instead of publishing traditional conference proceedings the organizing committee has agreed with the journal "Few Body Systems" (<https://link.springer.com/>) to publish a special issue "The 2020 International Conference on the Structure of Baryons - Selected and Refereed papers from Baryons 2020". It will consist of invited review papers and a selection of regular articles. Every submitted article will be subjected to the usual journal procedure of assessing the required relevance and novelty through peer-review. The editors for this special issue are:

- FBS insider editor:

Professor Craig Roberts
School of Physics and Institute for Nonperturbative Physics,
Nanjing University, Nanjing, Jiangsu 210093, China

- Guest editors:

Professor José Rodríguez-Qintero
Department of Integrated Sciences and Center for Advanced Studies in Physics,
Mathematics and Computation
University of Huelva, E-21071 Huelva, Spain.

Dr. Daria Sokhan
School of Physics and Astronomy,
University of Glasgow, Glasgow G12 8QQ, Scotland, UK

Important dates

- Deadline for the abstract submission: 31 May 2020.
- Early registration deadline: 19 July 2020.
- Late registration deadline: 30 August 2020.
- Start of the conference: 22 September 2020.
- End of the conference: 25 September 2020.

Contact information

Conference websites:

<https://baryons2020.com/>

<https://indico.cern.ch/event/853858/>

Conference locals:

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We are looking forward to welcoming you in Seville!

