Nuclear Physics in Astrophysics VII

28th EPS Nuclear Physics Divisional Conference

18 – 22 May 2015
The Royal York Hotel, York, UK

http://npa7.iopconfs.org

Organised by the Institute of Physics in conjunction with the Universities of York and Edinburgh
The Local Organising Committee would like to announce the Seventh International Conference on Nuclear Physics in Astrophysics (NPA-VII), corresponding to the 28th Nuclear Physics Divisional Conference of the European Physical Society. The conference will be held at the Royal York Hotel in York (United Kingdom) from 18 May until 22 May 2015.

The conference is organised by the Institute of Physics together with the University of Edinburgh and the University of York, under the patronage of the European Physical Society.

**Scientific programme**

**The conference will cover the following topics:**
- Big Bang Nucleosynthesis
- Galactic Evolution and Nucleosynthesis
- Explosive scenarios: Modelling
- Explosive scenarios: Observations
- Explosive scenarios: Experiments
- Exotic Nuclei
- Nuclear Structure and Reactions
- Neutron Stars and EOS
- Nuclear Theory
- Neutrinos in Astrophysics
- Stellar Evolution and Nucleosynthesis
- Industrial Partners
- Underground Nuclear Astrophysics
- Tools, Techniques, and Facilities

**Invited speakers**
- Carlos Bertulani, Texas A&M University - Commerce, USA
- Rosanna Depalo, Universita’ di Padova, and INFN Sezione di Padova, Italy
- Iris Dillmann, TRIUMF, Canada
- Brian Fields, University of Illinois, USA
- Brad Gibson, University of Central Lancashire, UK
- Falk Herwig, University of Victoria, Canada
- Aldo Ianni, Laboratori Nazionali del Gran Sasso, INFN, Italy
- Karlheinz Langanke, GSI, Germany
- Georges Meynet, Geneva University, Switzerland
- Anuj Parikh, Universitat Politecnica de Catalunya, Spain
- René Reifarth, Goethe Universität Frankfurt, Germany
- Fritz Roepke, Universität Würzburg, Germany
- Stefan Typel, GSI, Germany

**Venue**

The conference will be held at the 4* Royal York Hotel. The hotel is located near the train station and the city centre is within walking distance. Close to the venue are various other hotels, bars and restaurants, and shopping centres. A limited number of bedrooms will be available at The Royal York Hotel on a single occupancy basis. You will be able to book accommodation during the online registration process.
Travel
Easily accessible by air, rail or car, The Royal York Hotel is conveniently next door to York mainline railway station and just two hours by rail from London and Edinburgh. It's also a 20 minute drive to the A1 and has links to major motorway networks. Leeds Bradford International Airport is a 40 minute drive. For more information on travelling to the conference, please visit: [http://npa7.iopconfs.org/Travel](http://npa7.iopconfs.org/Travel)

Visas
Citizens of the European Union do not need a visa to enter Britain. If you are from any other country, find out about visa requirements before you travel by visiting [http://ukvisas.gov.uk](http://ukvisas.gov.uk)

Accommodation
Bedrooms are available at The Royal York Hotel & Events Centre.

The cost of a single, en-suite bedroom (including breakfast) is £101 per room per night. Accommodation is available for a duration of up to 5 nights (17-22 May 2015). You will be able to book your accommodation during online registration.

Further information about accommodation can be found at: [http://npa7.iopconfs.org/Venue](http://npa7.iopconfs.org/Venue)

Registration
The registration fee is inclusive of the evening drinks receptions, refreshments, lunches, the excursion, conference proceedings and all event material. Please indicate your attendance at the receptions/excursion when registering online.

For instructions and to register online please visit the conference website: [http://npa7.iopconfs.org](http://npa7.iopconfs.org)

Registration deadline – 8 May 2015

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A discount of £30 will be applied to the above fee for those who register online and pay using a valid credit or debit card.

Cancellation
The Institute operates a cancellation policy as follows. All cancellations must be made in writing. Full details can be found in our terms and conditions which are available online at [www.iop.org/conferences/regterms](http://www.iop.org/conferences/regterms).

Please make sure you have read and understand the terms and conditions before registering for the conference. Submission of a registration is regarded as a firm booking (subject to availability) and acceptance of these terms and conditions.

Exhibition
An exhibition of scientific instruments, equipment and techniques will be held alongside Nuclear Physics in Astrophysics VII conference from Tuesday 19 May until Thursday 21 May 2015. Confirmed exhibitors include:
**Satellite meeting**

The “Nuclear Physics and R-process Nucleosynthesis” meeting is an IOP-sponsored half-day meeting, taking place on Friday 15th May at the University of Edinburgh.

The meeting will act as a satellite workshop to the Nuclear Physics in Astrophysics VII conference, taking place the following week in York (within easy access by train from Edinburgh).

This half-day meeting aims to bring together nuclear physicists, astronomers, and astrophysicists studying nucleosynthesis during rapid neutron-capture processes.

For further information about this satellite meeting, please visit [http://npa7.iopconf.org/342262](http://npa7.iopconf.org/342262)

**Conference proceedings**

Proceedings will be published after the conference in the *Journal of Physics Conference Series*. Details on the proceedings submission will be provided soon on the website.

**Organising committees**

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- Cristina Chiappini
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- Bob Tribble

**Local organising committee**
- Marialuisa Aliotta (Edinburgh)
- Alison Laird (York)
- Raphael Hirschi (Keele)
- Alex Murphy (Edinburgh)
- Charles Barton (York)

**Enquiries**

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**Sponsors**

and The Royal Astronomical Society