

IV European Nuclear Physics Conference Bologna, Italy September 2 - 7, 2018

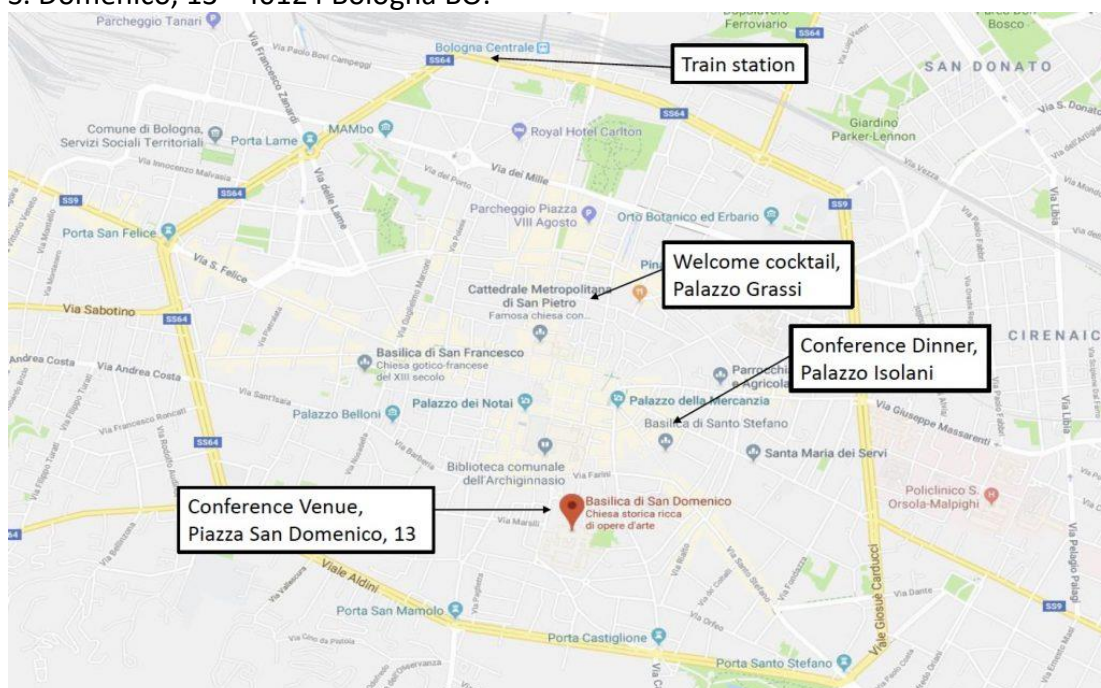
<http://agenda.infn.it/event/EuNPC2018/>
info_eunpc2018@bo.infn.it

Third Circular
August 18st, 2018



Venue

The conference will take place in the San Domenico centre, a magnificent square-shaped structure, with its old cloisters dating back to the 14th, 15th and 16th centuries. The complex is located in the city centre: CENTRO SAN DOMENICO, Piazza S. Domenico, 13 - 40124 Bologna BO.



Welcome cocktail, on Monday, 3rd September, 7:30 pm, Palazzo Grassi,
via Marsala 12

Social dinner: Palazzo Isolani, on Wednesday, 5th September, 8.30 pm
Piazza Santo Stefano 16

Scientific Program

On Sunday, 2nd September, starting at 9:30, a one-day masterclass will open the conference. The topic is nuclear astrophysics in the new era of multi-messenger astronomy, with talks on the first detection of gravitational waves from the binary neutron star merger GW170817 and its impact on the field of nuclear astrophysics, particularly in the area of the stellar r-process nucleosynthesis.

The scientific program will include plenary and parallel sessions. The opening session will be on Monday, 3rd September at 9:30. The conference will end on Friday 7th September around 1 pm.

The list of confirmed plenary speakers is:

- Heavy ion experiments: latest results, E.VERCELLIN (Torino University)
- Nuclei with an Effective Field Theory Around the Unitarity Limit, Prof. B.VANKOLCK (Institut de Physique Nucleaire d'Orsay and University of Arizona)
- Light Hypernuclei : a Testbed for Charge Symmetry Breaking, P. ACHENBACH (Mainz University)
- The Light Baryon Spectrum and QCD, Prof. D. IRELAND (Glasgow University)
- Uncovering carbon burning in stars, A.TUMINO (Kore University)
- Nuclear Astrophysics at LUNA: Status and Perspectives, M.ALIOTTA (University of Edinburgh)
- Nuclear physics with accelerator-produced neutron beams, F. GUNSING (CEA Saclay)
- Nuclear structure studies by measurements of nuclear spins, moments and charge radii via collinear laser spectroscopy at ISOLDE, G. NEYENS (CERN)
- Isospin-symmetry breaking in nuclear structure, N.SMIRNOVA (Centre d'Etudes Nucleaires de Borde aux-Gradignan)
- Nuclear Structure studies with gamma-rays with AGATA@GANIL, E.CLEMENT (CNRS Ganil)
- Perspectives on Nuclear Structure Studies with Electromagnetic Probes, N.PIETRALLA (TU Darmstadt)
- Self consistent dynamical nuclear model G. COLO', (Milano University)
- Super-heavy elements, nuclear structure and related accelerators, Y. OGANESEAN (JINR)
- Shape isomerism as a probe of microscopic origin of nuclear deformation, B. FORMAL (IPJ PAN Krakow)
- Nuclear masses for nuclear structure and astrophysics A.KANKAINEN, (University of Jyväskylä)
- Nuclear physics for cultural heritage, A. MACKOVA (Nuclear Physics Institute of the Czech Academy of Sciences)
- Probing dense matter at low energies with dileptons: prospects and challenges, I. TSERRUYA (Weizmann Institute of Science)
- Stiff symmetry energy from isovector aura in charge-exchange reactions, P. DANIELEWICZ (National Superconducting Cyclotron Laboratory, Michigan State University)
- Exploring baryon rich QCD matter with electromagnetic probes, T. GALATYUK (TU Darmstadt / GSI)
- Parton dynamics and colour condensates, E. PETRESKA (Nikhef/VU Amsterdam)
- Nuclear structure far-off stability: Recent advances, surprises and future challenges in the region around doubly-magic ^{132}Sn , A. JUNGCLAUS (Instituto de Estructura de la Materia, CSIC)
- Fundamental Physics with neutrons and muons, K. KIRCH (ETHZ – PSI)
- Sterile neutrino searches at short distance from nuclear reactors, D. LHUILLIER (CEA Saclay)
- Beta-detected NMR: from nuclear structure to chemistry and biology, M. KOWALSKA (CERN)

The conference program is available online at the website <https://agenda.infn.it/conferenceTimeTable.py?confId=14452#20180903>

Invited plenary talks will be 30 minutes long, including 5 minutes of discussion. Invited talks in parallel session will be 25 minutes long, including 5 minutes of discussion. A computer and projector will be available for presentations. **Please provide your slides in PDF format and upload the file directly to Indico by 16.00 of the day before your presentation.** If you have problems with the permissions in Indico, please write as soon as possible to info_eunpc2018@bo.infn.it. Speakers should check the computer presentations on the conference laptop before each session.

Posters

Posters will be on display from Monday 3rd at lunch time until Friday morning in the Chiostro (coffee break area). The poster session will take place during coffee breaks on **Tuesday** and on **Thursday morning**. Authors are kindly asked to be present during

the poster session. The maximum poster size is A0 with portrait orientation (width = 841mm, height = 1189mm). It will not be possible to print posters at the conference site. The poster stands will be labelled and identified with a board number so that each poster can be placed on its appropriate stand.

Posters without a registered presenter will not be displayed.

Each conference participant is expected to vote for the best poster: the three posters with the highest number of votes will be awarded and will have the possibility to write a conference proceeding. The poster prizes are sponsored by the NuPECC organization.

Registration

Registration at the venue will be open every morning 30 minutes before the conference starts. On Monday morning the opening ceremony will start at 9:30, with registration desk open from 8:30.

Lunch breaks

Lunch breaks are foreseen every day from 12:30 – 14:00: a list of suggested place to have a light lunch in the neighborhood of the San Domenico centre will be distributed during the registration. On Sunday (for students attending the masterclasses) and on Wednesday the lunch (included in the fee) will be served at the cloister.

Local & Travel information

The city centre is closed to car/bus/taxi on Saturday and Sunday (T-days): If you arrive on Saturday or Sunday and you booked a Hotel in the centre, you may have to reach your Hotel from the Train Station by walking or catching a bus/taxi to the closest traffic-open point. Compare your Hotel position with respect to the map below: the streets closed to the traffic are displayed in red

when you catch a bus, nevertheless the buses with a green sign on their side allow to buy the ticket on board. In this case the ticket cost is 1.5€ and you should have Euro coins to buy it (no credit card, no banknote). You can buy tickets at the automatic red kiosk at the train station or in many shops (newsagents, tobacconists, cafés). You can also buy a 10-ride tickets for 12€.

How to reach the S.Domenico centre - The Train Station distance from San Domenico Centre is about 2.5km. The “Farini” bus stop is the closest to the S. Domenico Centre. The best way to reach the centre from the train station is to take the bus 30 (17 min, see below). Alternatively, you may get the bus 11 or the minibus A, at the bus stop “Autostazione”, 200 m (4’ walking) from the train station. If you booked a Hotel in the centre, there are several buses that from Via Indipendenza reach the bus stop “Farini” (11,20,27). Please note these buses do not run on Saturday/Sunday. Students staying at “Camplus Bononia” can reach the centre by walking (8 min) to the bus stop “Ospedale S. Orsola” (Via Massarenti) and taking the bus number 14 (Piazza Malpighi stop).

Events

The Local Organizing Committee is pleased to welcome all participants upon their arrival to the European Nuclear Physics Conference. A **welcome cocktail** will be served on 3rd September from 19:30 to 21:00 at Palazzo Grassi, Via Marsala, 12, 40126 Bologna BO (at walking distance from the conference venue).

Although jacket and tie are not mandatory, you have to consider we will be hosted by the Officers’ Club: short trousers, slippers, sandals and T-shirt are not allowed.

The **social dinner** will be held on 5th September in Palazzo Isolani, located in the magnificent Piazza Santo Stefano (n. 16). The dinner will take place at 20:30.

Excursion - The tour of Ravenna will start at 14:30 on Wednesday, 5th September and will give the possibility to visit the main Ravenna historical buildings and churches. The bus stop will be in front of the San Domenico Center. Ravenna is a small city, 80 km away from Bologna. It was the **capital** of the Western Roman **Empire** from A.D. 402 until its dissolution. It is known for its well-preserved late Roman and Byzantine architecture, and has eight UNESCO World Heritage Sites. During the excursion you will visit:

- **Basilica of Sant'Apollinare in Classe**, “an outstanding example of the early Christian basilica in its purity and simplicity of its design and use of space and in the sumptuous nature of its decoration”, as described by UNESCO;
- **Mausoleum of Galla Placidia**, described by the UNESCO expert as “the earliest and best preserved of all mosaic monuments, and at the same time one of the most artistically perfect”

Proceedings

The Conference Proceedings will be published in Nuovo Cimento C (Open Access).
The length of the submitted papers should not exceed:

- 8 pages for plenary talks;
- 6 pages for invited talks;
- 4 pages for talks.

The guidelines to prepare the manuscript are available at the following link
<https://www.sif.it/static/SIF/resources/public/files/cimentostyle.pdf>

Deadline for manuscript (pdf file) submission: **October 15th.**

The source file (.tex) and figures (.eps) will be required after the refereeing phase.

Supporting institutions and sponsors

The conference is supported financially by a number national and international organisations: INFN, University of Bologna, SIF and Centro Fermi.

Contacts

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The number will be active one week ahead of the conference start.

The Organizing Committee mailing address is:

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