

THIRD ANNOUNCEMENT

8th Heidelberg International Symposium on High-Energy Gamma-Ray Astronomy

Milano 2nd – 6th September 2024

<https://indico.ict.inaf.it/event/2661>

The 8th Heidelberg International Symposium on High-Energy Gamma-Ray Astronomy ([Gamma2024](#)) will be held in Milano, from 2nd to 6th September 2024.

IMPORTANT NEWS

Abstract submission: Abstracts submission for contributed talks and posters will close on **June 15th**. We encourage you to submit a contribution by using [this form](#).

Registration and Conference fee: Please use the [registration form](#) available on the Gamma2024 web page. Regular registration (**deadline August 1st**): 450 Euro, Late/On-site registration: 550 Euro, Student (M.S./Ph.D) registration (**deadline August 1st**): 250 Euro, Student Late/On-site registration: 300 Euro. We are pleased to announce a limited amount of financial support for Ph.D. students.

Lunches and coffee breaks are included in the conference fee. Also included is the Conference Dinner which will take place at the Museo Nazionale della Scienza e della Tecnologia Leonardo da Vinci, Via San Vittore 21.

Preliminary list of invited speakers: we are pleased to announce a **preliminary list** of confirmed invited speakers, see below and at the [following link](#).

Special Session in honor of Beppo Occhialini and Nanni Bignami: it will be held in the plenary session (Aula Magna) on Thursday 5th, 5:30pm - 7.00pm.

Public Conference (in Italian): it will be held at the “Civico Planetario di Milano *Ulrico Hoepli*” (Planetarium) located in Corso Venezia 57, on Tuesday 3rd, 9:00pm - 11:00pm. Title: “Da Beppo a Nanni le meraviglie dell’astronomia delle alte energie” (TBC).

Visa application: If you need an invitation letter for a visa application, please contact us as soon as possible (gamma2024@inaf.it). Please note that you must register first before applying for a visa invitation letter.

INVITED SPEAKERS AND TOPICS

Reviews

- **Paolo Coppi (Yale):** *Open questions in extragalactic jetted object*
- **Felix Aharonian (MPIK Heidelberg):** *UHE Galactic gamma-ray sources*
- **Francis Halzen (Univ. of Wisconsin-Madison):** *Neutrinos, cosmic rays and gamma rays*
- **Joe Silk (IAP):** *Dark matter search prospects in gamma-ray astronomy: from the Galactic Center to external galaxies*

Special Highlight talk

- **Zhen Cao (IHEP):** *LHAASO Highlights*

Highlights (instrumental)

- **Emma de Ona Wilhelmi (DESY):** *Highlights from H.E.S.S.*
- **David Paneque (MPP):** *Highlights from MAGIC*
- **Masahiro Teshima (MPP, ICRR):** *Highlights from LST-1*
- **Amy Furniss (UC Santa Cruz):** *Highlights from VERITAS*
- **Brenda Dingus (Los Alamos National Laboratory) TBC:** *Highlights from HAWC*
- **Elisabeth Hays (NASA GSFC):** *Gamma rays from space missions*
- **Jim Hinton (MPIK-HD):** *Gamma-ray observations with IACT and astroparticle arrays from the ground: the future*

Highlights (topical)

- **Marc Ribo (Univ. of Barcelona):** *Gamma rays from binaries*
- **Brian Reville (MPIK-HD):** *On the acceleration of Galactic cosmic rays*
- **Ruizhi Yang (CAS):** *Gamma rays from the Cygnus region*
- **Julia Tjus (Ruhr University Bochum):** *Constraining cosmic ray propagation through gamma-rays*
- **Lara Nava (INAF-OAB):** *Gamma-ray bursts*
- **Jonathan Biteau (CNRS/IN2P3, IJCLab):** *Gamma-ray propagation, magnetic field and EBL constraints from HE and VHE observations*
- **Alberto Franceschini (University of Padova):** *EBL in the IR domain*
- **Raffaella Margutti (Univ. of California Berkeley):** *Gravitational waves and high-energy astrophysics: a multi-messenger approach*
- **Samar Safi-Harb (Univ. of Manitoba) TBC :** *Non-thermal properties of young supernova remnants*
- **Sabrina Casanova (IFJ-PAN):** *Microquasars at HE, VHE, and UHE*
- **Paolo Giommi (INAF-OAB):** *Firmamento: a new-concept, web-based, data analysis tool dedicated to multimessenger astronomical sources*

Invited papers on upcoming projects

- **Roberta Zanin (CTAO):** *CTAO updates*
- **Ciro Bigongiari (INAF-OAR):** *ASTRI updates*
- **Ulisses Barres de Almeida (CBPF –Brazil):** *SWG0 updates*
- **Lorenzo Caccianiga (INFN and Univ. of Milano):** *AUGER updates*
- **Shoushan Zhang (CAS):** *LACT updates*

Rapporteur Talks

- **Sandro Mereghetti (INAF-IASF Milano):** *Galactic Science*
- **Frank Rieger (Max Planck Institute for Plasma Physics, Garching):**
Extra-galactic Science

Special Session to celebrate *Beppo Occhialini* and *Nanni Bignami*

- **Marco Tavani (INAF-IASF Roma):** *AGILE and the future of gamma-ray astrophysics from space*
- *To be announced*
- *To be announced*
- *To be announced*

Further information (registration dates, fees, proceedings, etc.) can be found on the Gamma2024 website.

We are looking forward to seeing you in Milano!

G. Pareschi, F. Aharonian, A. Giuliani, and S. Vercellone

On behalf of SOC and LOC