

6th International Symposium on Ultra High Energy Cosmic Rays

UHECR 2022

General Information

The UHECR2022 symposium will be held at the Gran Sasso Science Institute (GSSI) and jointly organized by GSSI, INFN - Laboratori Nazionali del Gran Sasso (LNGS) and the University of L'Aquila.

It will be the sixth edition of the series of meetings that started in Nagoya in 2010 and continued in CERN (2012), Springdale (2014), Kyoto (2016) and Paris (2018).

The event is dedicated to the discussions of the latest UHECRs observations and theoretical developments, also reviewing future plans in the field.

Topics will include the following subjects:

- Latest experimental results
- Acceleration to the highest energies
- Source scenarios and CR propagation
- Galactic and extragalactic magnetic fields
- Transition from galactic to extragalactic CRs
- Hadronic interactions related to EAS interpretation
- Multi-messenger connections of UHECRs, neutrinos, gamma rays and gravitational waves
- Physics beyond the standard model
- Ideas and activities for future experimental projects in the field

Invited reviews, contributed talks and posters will be presented, together with three special lectures.

The symposium will be held in person, in compliance with the relevant COVID-19 regulations at the time of the meeting.

International Advisory Committee

Chair : Ralph Engel

V. S. Berezinsky, P. Blasi, A. Castellina, I. De Mitri, T. Ebisuzaki, P. L. Ghia, F. L. Halzen, Y. Itow, C. Jui, K.-H. Kampert, P. Klimov, P. Lipari, S. Ogio, A. V. Olinto, I. H. Park, E. Parizot, E. Resconi, G. Rubtsov, D. Ryu, H. Sagawa, P. Sokolsky, Y. Tsunesada

Local Organizing Committee

Chair : Ivan De Mitri

R. Aloisio, F. C. T. Barbato, P. Blasi, D. Boncioli, A. Di Giovanni, C. Evoli, G. Pagliaroli, S. Petrerà, V. Rizi, F. Salamida

Local Student/Postdoc staff

F. Alemanno, E. Avocone, I. Cagnoli, A. Cermenati, M. Di Santo, M. Fernandez Alonso, O. Fornieri, S. Hussain, D. Kyratzis, A. Parenti, C. Petrucci, B. Schroer, L. Silveri, A. Smirnov, C. Trimarelli, V. Vecchiotti, L. Wu

www.uhecr2022.gssi.it
uhecr2022@gssi.it

Gran Sasso Science Institute, L'Aquila Italy
October 3 - 7 2022

