



SAPIENZA
UNIVERSITÀ DI ROMA



First Bulletin – March 2022

8th Roma International Conference on Astroparticle Physics ([RICAP-2022](#))

September 6th – 9th, 2022 – Roma, Italy

Hosted by *Physics Department, Sapienza University, Roma*



Presentation

RICAP-22 will be the 8th edition of the RICAP Conference. The acronym stands for Roma International Conference on Astro-Particle physics. The Conference, entirely dedicated to the study of high energy cosmic rays, traditionally has been organized by the INFN Sections and Physics Departments of the three public Universities of Roma (University “Roma Tre”, University “La Sapienza” and University “Tor Vergata”). The 8th edition of the Conference had to be held in 2020 but was cancelled due to the CoViD pandemic, then it will be held this year and in the Physics Department of Sapienza University, Roma.

Scientific Topics

The aim of the Conference will be to present and discuss some of the most relevant theoretical and experimental results in the field of high energy cosmic rays (gamma, neutrinos, charged cosmic rays). Special attention will be paid to the multi-messenger search for high energy cosmic rays sources, including gravitational wave searches. A special session will be dedicated to Dark Matter search. The Conference will give the opportunity to collect experimental results from presently operating experiments. Experiments in progress and future projects will be discussed, debating on the different features and on sensitivities. Particular relevance will be given to the discussion of the open questions in high energy Astroparticle Physics.

International Advisory Board

Felix Aharonian (Dublin Institute for Advanced Studies, Ireland)
Markus Tobias Ahlers (Niels Bohr International Academy, Copenhagen, Denmark)
Gianfranco Bertone (Institute for Theoretical Physics, Amsterdam, Netherlands)
Paschal Coyle (CPPM, Marseille, France)
Francis Halzen (University of Wisconsin, USA)
Juan Jose Hernandez (University of Valencia, Spain)
Szabolcs Marka (Columbia University, New York, USA)
Antonio Masiero (Università degli Studi di Padova & INFN, Padova, Italy)
Giorgio Matthiae (University "Tor Vergata" & INFN, Roma, Italy)
Paolo Piattelli (INFN-LNS, Italy)
Piergiorgio Picozza (University "Tor Vergata" & INFN, Roma, Italy)
Christian Spiering (DESY Zeuthen, Germany)
Eli Waxman (The Weizmann Inst. of Science, Rehovot, Israel)
Juande Zornoza (Instituto de Física Corpuscular, Valencia, Spain)

Local Organizing Committee

Antonio Capone (Università di Roma La Sapienza & INFN, Roma) – Chair
Bruno Borgia (Università di Roma La Sapienza & INFN, Roma)
Severino Bussino (Università Roma Tre & INFN, Roma)
Silvia Celli (Università di Roma La Sapienza & INFN, Roma)
Stefano Ciprini (Università Roma Tor Vergata & INFN, Roma)
Mario De Vincenzi (Università Roma Tre & INFN, Roma)
Anna Di Ciaccio (Università di Roma Tor Vergata & INFN, Roma)
Irene Di Palma (Università di Roma La Sapienza & INFN, Roma)
Giuseppe di Sciascio (Università Roma Tor Vergata & INFN, Roma)
Paolo Fermani (Università di Roma La Sapienza & INFN, Roma)
Dario Gasparrini (Università Roma Tor Vergata & INFN, Roma)
Paolo Lipari (INFN, Roma)
Stefano Maria Mari (Università Roma Tre & INFN, Roma)
Aldo Morselli (Università Roma Tor Vergata & INFN, Roma)
Aleandro Nisati (INFN, Roma)
Domizia Orestano (Università Roma Tre & INFN, Roma)
Shahram Rahatlou (Università di Roma Sapienza & INFN, Roma)
Roberto Raimondi (Università Roma Tre, Roma)
Roberta Sparvoli (Università Roma Tor Vergata & INFN, Roma)
Vincenzo Vitale (Università Roma Tor Vergata & INFN, Roma)

Conference addresses

Email: ricapSept2022@gmail.com
URL: <https://agenda.infn.it/event/29838/>

Mailing Address:

Antonio Capone
Sapienza Università di Roma, Dipartimento di Fisica – edificio Marconi
Piazzale Aldo Moro 2, 00185, Roma, Italy

Important deadlines

Starting date for registration	April 1st, 2022
Deadline date for early registration	June 15th
Deadline for registration	August 25th
Starting date for abstract submission	April 1st
Deadline for abstract submission	July 15th
On site registration and Welcome drink	September 6th afternoon
Opening Ceremony	September 7th at 9:00
Closing Ceremony	September 9th
Deadline for proceedings submission	December 1st

Conference Location

The Conference plenary sessions will be held in the “Aula Amaldi” of the Physics Department of Sapienza University in Roma. The Sapienza University is located very close to the Roma centre and to the main Roma railway station Termini, which is directly connected, by train and by bus, to the Roma main airports, Roma Fiumicino and Roma Ciampino.

Please, check the indications "how to reach" at the [conference website](#).

Accommodations

A lot of hotels are available close to the Conference site. The most common web-based search tools (Booking.com, Expedia.com etc.) can help you to select and book for your accommodation.

Registration

Registration fees for the RICAP-22 conference are summarized in the following table:

Before June 15th	After June 15th
350 €	400 €

Please transfer the Total Amount Due in EURO (€) (**free of the bank charges for the recipient**). Social dinner companion fee is 60 €.

The registration fee includes:

- lunches and coffee breaks
- conference dinner
- conference gadget
- online proceedings publication of the invited/parallel talks and of poster sessions in EPJ Web of Conferences journal.

Social events

A series of social events are foreseen during the conference days:

- September 6th late afternoon (17-19): welcome drink at registration
- September 8th late afternoon: visit to one of the Rome main sites
- September 8th evening: social dinner.

Scientific Program

The Conference program includes invited plenary talks and several talks in the parallel sessions. The table below shows the schedule of the plenary and parallel sessions for the three days of the Conference:

	September 6th, Tuesday	September 7th, Wednesday	September 8th, Thursday	September 9th, Friday
First morning session		Plenary Session	Plenary Session	Plenary Session
		Coffee break	Coffee break	Coffee break
second morning session		Plenary Session	Plenary Session	Plenary Session
		Lunch	Lunch	Lunch
First afternoon session	Registration	Parallel Session A Parallel Session B	Parallel Session E Parallel Session F	Plenary Session and Summaries
	Registration	Coffee break	Coffee break	
second afternoon session	Registration	Parallel Session C Parallel Session D	Parallel Session G Parallel Session H	
	Welcome drink		Visit and social dinner	

Conference Proceedings and Abstract or Paper submission

The Conference Proceedings will be published only online on the EPJ Web of Conferences journal. The cost is included in the registration fee. Please visit the [conference webpage](#) to get information about Abstract Submission and Paper Submission for the proceedings. All enquiries concerning scientific aspects of the conference, financial support, registration and so on, should be sent to the conference organizers.