



RICAP-24 Roma International Conference on
AstroParticle Physics

23–27 Sept 2024
Hotel Villa Tuscolana



Roma International Conference on RICAP'07 Astro-Particle physics

University "La Sapienza and INFN
Roma, Italy

RICAP'07 (Roma International Conference on Astro-Particle physics) is the first edition of a series of International Conferences dedicated to high energy cosmic rays study, organized by the three public Universities and INFN Sections of Rome (University and INFN of Roma "La Sapienza", University and INFN of Roma "Tor Vergata" and University and INFN of "Roma Tre").

Physicists by these institutions are deeply involved in major experiments on Astro-Particle physics, (AGILE, AMS, ANTARES, ARGO, Auger, GLAST, NEMO, PAMELA, ...) and in deep and fruitful theoretical speculations.

The RICAP Conference will be held every two years. The first edition will be held at the University of Roma "La Sapienza", the second at the University of Roma "Tor Vergata" and the third at "Roma Tre"

Local Organizing Committee

Antonio Capone (Univ. *La Sapienza* & INFN, Roma)
Bruno Borgia (Univ. *La Sapienza* & INFN, Roma)
Tommaso Chiarusi (Univ. *La Sapienza* & INFN, Roma)
Giulia De Bonis (Univ. *La Sapienza* & INFN, Roma)
Mario De Vincenzi (Univ. *Roma Tre* & INFN, Roma)
Speranza Falciano (Univ. *La Sapienza* & INFN, Roma)
Mario Greco (INFN Sezione *Roma Tre*, Roma)
Paolo Lipari (INFN Sezione di *Roma*, Roma)
Fabrizio Lucarelli (Univ. *La Sapienza* & INFN, Roma)
Valeria Malvezzi (Univ. *Tor Vergata* & INFN, Roma)
Guido Martinelli (Univ. *La Sapienza* & INFN, Roma)
Aldo Morselli (INFN Sezione *Tor Vergata*, Roma)
Paolo Piattelli (INFN *Lab. Nazionali del Sud*, Catania)
Piergiorgio Picozza (Univ. *Tor Vergata* & INFN, Roma)
Francesco Simeone (Univ. *La Sapienza* & INFN, Roma)
Roberta Sparvoli (Univ. *Tor Vergata* & INFN, Roma)
Manuela Vecchi (Univ. *La Sapienza* & INFN, Roma)

<http://ricap-conference.it>
email: ricap07@ricap-conference.it



International Scientific Advisory Committee

Felix Aharonian (MPIK, Heidelberg, Germany)
Zhen Cao (IHEP, Beijing, China)
John Carr (CPPM, Marseille, France)
Tom Gaisser (Univ. of Delaware, USA)
Arkady Galper (Moscow Eng. Phys. Inst., Russia)
Francis Halzen (Univ. of Wisconsin, USA)
Juan Jose Hernandez (Univ. of Valencia, Spain)
John Learned (Univ. of Hawaii, USA)
Giorgio Matthiae (Univ. *Tor Vergata* & INFN, Roma)
Emilio Migneco (INFN, *Lab. Nazionali del Sud*, Italy)
Luciano Moscoso (CEA/Saclay & APC, *Paris VII*, France)
Carlos Muñoz (Univ. Autònoma de Madrid, Spain)
Christian Spiering (DESY Zeuthen, Germany)
Youheng Tan (IHEP, Beijing, China)*

Contact

Scientific Secretary: Mauro Mancini
Phone: +39064991435
Fax: +39064454910
mail:
mauro.mancini@roma1.infn.it

INFN Sezione di Roma
c/o Dip. di Fisica
Università "La Sapienza"

Piazzale Aldo Moro, 2
00185 - Roma
Italy



Ricap09 Roma International Conference on Astroparticle Physics

13–16 May 2009 Villa Mondragone, Frascati, Roma

Ricap09



[More Photos](#)



3rd Roma International Conference on Astroparticle Physics

Ricap 11

25–27 May 2011

Rettorato, University Roma TRE





Roma International Conference on Astroparticle Physics

May 22nd – 24th , 2013 – Roma, Italy

Physics Department, University "La Sapienza", Roma

The Roma International Conference on Astroparticle Physics (RICAP'13) is the fourth edition of a Conference entirely dedicated to the study of high energy cosmic rays. It is organized by the three public Universities of Roma (University "Roma Tre", University "La Sapienza" and University "Tor Vergata"). These Institutions provide both theoretical and experimental contributions, and participate to major experimental projects in the field (AGILE, AMS, ANTARES, ARGO, Auger, CTA, Gamma-400, Fermi, KM3NeT, NEMO, PAMELA, ...). The Conference is held every two years. The first edition, in 2007, was held at the University "La Sapienza", the second edition was hosted by University "Tor Vergata", the third by University "Roma Tre.

International Organizing Committee

Felix Aharonian
Roberto Battiston
Tom Gaisser
Francis Halzen
Juan Jose Hernandez
Paolo Lipari
Szabolcs Marka
Antonio Masiero
Giorgio Matthiae
Carlos Muñoz
Christian Spiering
Eli Waxman
Juande Zornoza

Local Organizing Committee

Bruno Borgia
Antonio Capone (chair)
Marco Ciuchini
Giulia De Bonis
Mario De Vincenzi
Marcella Diemoz
Giuseppe Di Sciascio
Francesco Fucito
Egidio Longo
Stefano Maria Mari
Giorgio Matt
Aldo Morselli
Piergiorgio Picozza
Francesco Simeone



SAPIENZA
UNIVERSITÀ DI ROMA



UNIVERSITÀ degli STUDI di ROMA
TOR VERGATA





RICAP-14

Roma International Conference on Astroparticle Physics

September 30th – October 3rd 2014 – Noto SR, Italy



Ricap-14



6th Roma International Conference on AstroParticle Physics

21–24 Jun 2016
Villa Tuscolana



SAPIENZA
UNIVERSITÀ DI ROMA



Ricap-16



[More photos](#)



7th Roma International Conference on AstroParticle Physics

Roma Tre
University
4–7 Sept 2018
Ricap-18



SAPIENZA
UNIVERSITÀ DI ROMA





RICAP-22 Roma International Conference on AstroParticle Physics

6–9 Sep 2022

Physics Department, University "La Sapienza", Roma, Italy

[Ricap-22](#)





9th Roma International Conference on Astroparticle Physics

23–27 Sept 2024

Frascati

Ricap-24





we hope that you liked the view



the visit to Villa Falconieri





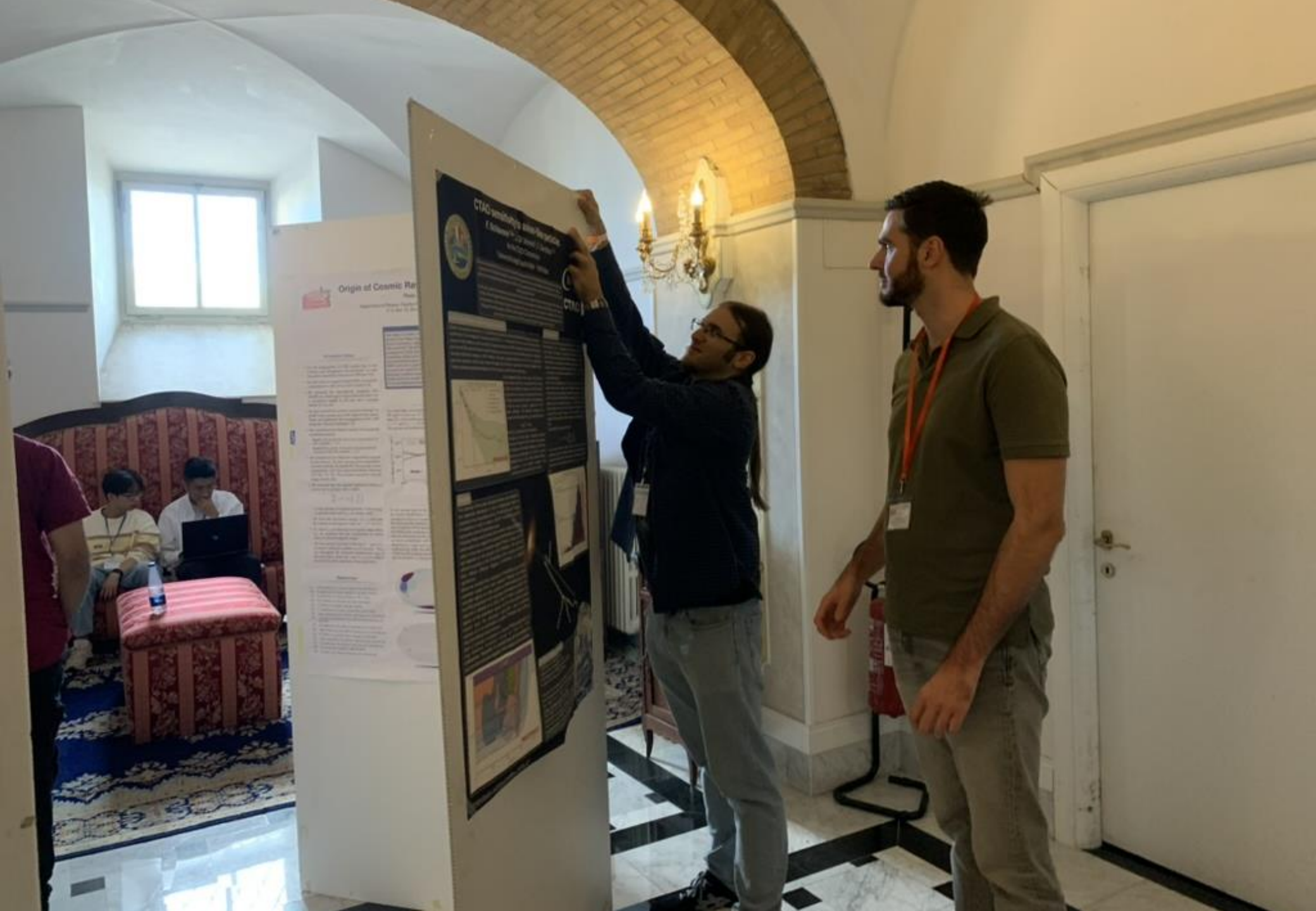


the dinner and the concert











CCSNe detection perspectives with Einstein Telescope

INFN VIRGO

A. J. ... J. D. ... M. ... E. ... M. ... E. ...

M-BM2
 Numerical simulation

Numerical simulation
 2D approx. required. Thus, CCSNe are intrinsically anisotropic because the numerical process is tightly related to the development of instabilities in the PNS. This leads to a multi-problem:

1. simulations from numerical approximations have to be used as a posteriori realizations of all possible signals that a system with the same features (pre-explosion mass, rotation, ...) may produce and not as the true complete data set.
2. the generation of large ensembles leads to challenging due to the large computational cost of numerical simulations.

COBAI
 The method has been described in ...

The Auger Enhancing to UHE Co

Deployment of the Radio

Measurement of events

Cross-validation

the poster sessions





the talks



the place an so on..

to be continued