

Ricap: First edition in 2007

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"



International Scientific Advisory Committee

Felix Aharonian (MPIK Heidelberg, Germany)



2nd
Roma International Conference
on Astro-Particle Physics

Villa Mondragone, Monte Porzio Catone, Roma (Italy)

May 13 - 15, 2009





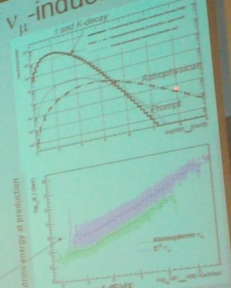
Ricap 2011 Roma Tre



Measurement of ν_μ -induced μ

- Fit 3 components:
 - Atmospheric ν from K^\pm and π^\pm (0.3 – 85 TeV)
 - Use Honda 2007 to 10 TeV
 - + power-law extrapolation
 - $\sim \cos^2 \theta$
 - Prompt ν (10 – 600 TeV)
 - Harder spectrum to $> 10^6$ GeV ($\sim E^{-2.7}$), isotropic
 - Astrophysical ν
 - Isotropic, with E^{-2} spectrum assumed (30 – 7000 TeV)
- Note different response for astro. ν vs atmo. ν

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Ricap 2013 Roma La Sapienza



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, a Conference entirely dedicated to high energy cosmic rays study. 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

Ricap 2014 : Noto



RICAP-14

**Roma
International
Conference on
Astroparticle
Physics**

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



Ricap 2016 : Villa Tuscolana



We hope that you will like the place and we wish an interesting conference !!