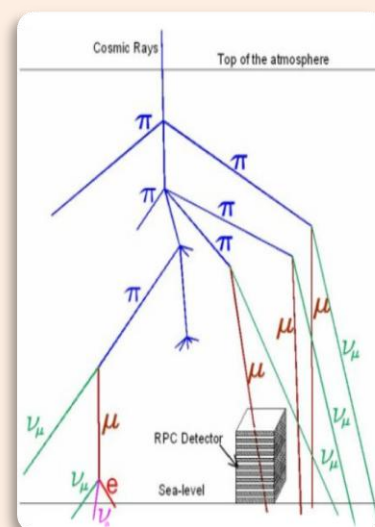
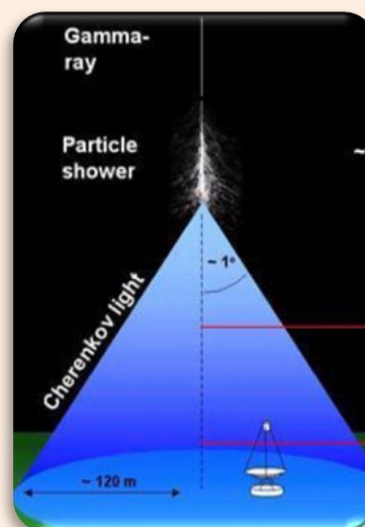


International School on High Energy Astrophysics Kodaikanal, India December 1st – 11th, 2009



$\gamma = \nu$



http://www.iap.res.in/kodai_he09

HAGAR



Diverse fields like particle physics, astrophysics, instrumentation, electronics, numerical simulations, and analysis will be covered in these courses which are aimed at final year Masters' and beginning PhD students. These courses will be conducted jointly by Indian Institute of Astrophysics, Bangalore and The Institute of Mathematical Sciences, Chennai.

Speakers

G.C. Anupama (IIA)
P. Bhattacharjee (SINP)
K. Boruah (Guwahati)
V.R. Chitnis (IIA)
S.Choubey (HRI)
R. Mirzoyan (MAX-PLANCK)
M.V.N. Murthy (IMSC)
G. Rajasekaran (IMSC)
R.C. Rannot (BARC)
F.K. Sutaria (IIA)
A.K. Tickoo (BARC)
S. Uma Sankar (IIT)
S.S. Upadhyaya (TIFR)
P.R. Vishwanath (IIA)

Coordinators

D. Indumathi (IMSC)
P.R. Vishwanath (IIA)

School Convenor

K.E. Rangarajan (IIA)

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Topics

1. Life and Death of Stars - Supernovae, Pulsars, White Dwarfs, Black Holes.
2. Standard Model of Particle Physics, Neutrino Physics and Oscillations
3. Astrophysical Neutrinos (Solar, Supernova and Ultra High Energy)
4. Cosmic Rays - Origin, Acceleration and Propagation - Primaries, Mass composition, Highest Energy Cosmic Rays.
5. Gamma Ray Astronomy – Sources and Production Processes - Atmospheric Cerenkov Technique, Mega Experiments, Source Surveys.
6. New Indian Initiatives in Gamma Ray Astronomy and Neutrinos– HAGAR, MACE and INO - Physics, Instrumentation and Electronics.