

National Symposium on VHE Gamma-Ray Astronomy
25-27 November, 2013

Monday : 25 November, 2013

09:15 09:45 *Registration*
09:45 10:00 *Inauguration*
10:00 11:00 *Keynote "Gamma ray astronomy: A historical perspective"*
 P. R. Vishwanath

11:00 11:30 High Tea

11:30 12:00 *Extra-galactic VHE sky: **K. K. Yadav**, BARC.*
12:00 12:30 *Gamma-ray Spectral Breaks in Blazars: **S. Sahayanathan**, BARC*
12:30 13:00 *Diffuse gamma-ray emission: **D. Bhattacharya**, Manipal University*

13:00 14:15 Lunch

14:15 14:45 *Long-Term Monitoring of Blazars for Variability : **K. Baliyan**, PRL*
14:45 15:00 *Blazars help in constraining Extragalactic Background Light:*
 K.K. Singh, BARC.
15:00 15:15 *Estimation of the Extra Galactic Background Light using VHE*
 *Observations of HBLs: **A. Sinha**, TIFR*
15:15 15:30 *Understanding of Supernova Remnant 3C391(G31.9+0.0)*
 *in GeV Gamma Rays and X-Rays : **A. Chatterjee**, SINP*
15:30 15:45 *Variation of secondary cosmic gamma ray flux during celestial event :*
 D. Pareek, BNPG college
15:45 16:00 *Gamma-ray Variability of VHE Blazar PKS 1222+216 With*
 *Fermi-LAT : **P. Kushwaha**, TIFR*

16:00 16:30 Tea

16:30 16:45 *Fermi blazars: Optical-GeV connection : **C.S. Stalin**, IIA*
16:45 17:00 *Multi-wavelength Study of Mrk 501 during HAGAR Observations :*
 A. Shukla, TIFR
17:00 17:15 *Observation of Crab nebula with HAGAR telescope array :*
 B.B. Singh, TIFR
17:15 17:30 *Extensive Air Showers Induced by Primary Gamma-Rays with*
 *Energies 100-1000 TeV : **R. K. Dey**, NBU*
17:30 17:45 *The progenitor model of cosmic rays and high energy gamma*
 *ray observations: **A. Bhadra**, NBU*
17:45 18:00 *MACE in an extragalactic point of view: **N.Mankuzhiyil**, BARC*

Tuesday : 26 November, 2013

09:30 10:00 *Summary of results from the Fermi satellite:* **P. Sreekumar**, IIA
10:00 10:30 *Status of HAGAR Telescope Array:* **V. Chitnis**, TIFR
10:30 11:00 *Recent TACTIC Observations of VHE Gamma-ray sources :*
R.C. Rannot, BARC

11:00 11:30 Tea

11:30 12:00 *High Energy Studies Using Astrosat :* **A. R. Rao**, TIFR
12:00 12:30 *Relativistic Spectral Emission Lines from X-ray Binaries:*
S. Bhattacharyya, TIFR
12:30 13:00 *Radio pulsars:* **Y. Gupta**, NCRA-TIFR

13:00 14:15 Lunch

14:15 14:45 *Efforts for Detection of "Dark Matter" and Its Implications for
Physics & Astrophysics :* **A.K. Mitra**, BARC
14:45 15:15 *Multi-wavelength studies of Blazars: A revolution due to HE/VHE
gamma-ray astronomy:* **A. C. Gupta**, ARIES
15:15 15:45 *GRAPES-3 Experiment:* **S. Dugad**, TIFR
15:45 16:00 *Arrival Time Intervals of Gamma-Ray Bursts Detected by
SWIFT-BAT :***K. Sarkar**, Salesian college

16:00 16:30 Tea

16:30 16:45 *X-RAY Flares from young stars:* **H. Bhatt**, BARC
16:45 17:00 *Simulation Studies of MACE Gamma-ray Telescope:*
C. Borwankar, BARC
17:00 17:15 *Comparison of HAGAR Data with Simulations :* **E. Kundu**, TIFR
17:15 17:30 *Application of Random Forest method in gamma-hadron
Segregation for the TACTIC telescope :* **M. Sharma**, BARC
17:30 17:45 *On non-extensive nature of Crab pulsar spectrum:*
A. Razdan, BARC
17:45 18:00 *Effects of Beyond Standard Model Physics on GRB Neutrinos :*
R. Moharana, HRI

Wednesday : 27 November, 2013

09:30 09:45 *Update on the MACE Telescope* : **R.Koul**, BARC
09:45 10:15 *Development of the MACE imaging camera* : **A.Behere**, BARC
10:15 11:00 *Drive & Mirror alignment control system of MACE* :
V.Sanadhya et al., BARC

11:00 11:30 Tea

11:30 12:00 *Optical characteristic of the 21m diameter MACE light collector* :
A.K.Tickoo, BARC
12:00 12:15 *Production & Testing of metallic mirrors for the MACE telescope* :
V.K.Dhar, BARC
12:15 12:30 *Charge pulse profile studies of MACE*: **N.Mankuzhiyil**, BARC
11:45 12:00 *Mechanical design of the mirror alignment mechanism for the
MACE telescope* : **Sameer Bhatt**, BARC
12:30 12:45 *Mechanical design of the Imaging camera for the MACE telescope* :
Abhay Kumar, BARC

13:00 14:15 Lunch

14:15 14:45 *Overview of the CTA project* : **B.S. Acharya**, TIFR
14:45 15:00 *Survey of Candidate Sites for CTA in Ladakh* : **K.S. Gothe**, TIFR
15:00 15:15 *Calibration box for CTA* : **P. Majumdar**, SINP
15:15 15:30 *Possible Indian in kind contribution to the CTA* : **R. Koul**, BARC
15:30 16:30 *Panel discussion on Indian participation in CTA*

16:30 17:00 Tea Break