

Report on the Conference on Astroparticle Physics and Astrophysics

A conference titled “Exploring the Cosmos: 100 years of Cosmic Ray Physics” on Astroparticle Physics and Astrophysics was organized by High Energy and Cosmic Ray Research Centre of North Bengal University on 15th and 16th of December 2011 at the University. There were around 18 papers/presentations. There were representations from Burdwan University, Guwahati University, North Bengal University, Hyderabad University, Nucleus Institute of Advance Studies (Siliguri). Some eminent authorities from Tata Institute of Fundamental Research (TIFR, Mumbai), Saha Institute of Nuclear physics (Kolkata) were keynote speakers. The Department of Computer Science, Salesian College, Siliguri Campus, into its second year of existence also made a presentation on **“Review of Simulation package CORSIKA used in neutrino formation and interactions”** at the conference. It was a maiden endeavour by Mr. D. Subba, Mr. A. Ghosh Roy, and Mr. M. Kriushanth lead by Dr Kabita Sarkar.

They were applauded as it was the only representation from non-Physics discipline (Computer Science) and it was the only undergraduate College to have made a presentation.

This event was highly informative and an eye opener into the world of Astrophysics and Astroparticle Physics and how people all over the world are trying to understand the Universe that is so vast and intriguing. Even with so much research, discoveries and advancement of science, it still continues to baffle the researcher with more mysteries. It also gave an idea of how interdisciplinary effort – a combination of Computer, Physics, Mathematics, Statistics, and Engineering - is required for such an endeavor. Salesian College would like to participate in more conferences like this in future.