

## 2nd Circular

### Workshop on “Simulation & Data Analysis techniques for High Energy Cosmic Ray Experiments”

March 23-25, 2009

Department of Physics, Gauhati University, Guwahati-781014, Assam, India

The Department of Physics, Gauhati University in collaboration with TIFR, Mumbai, announces a workshop on “Simulation and data analysis techniques for high energy cosmic ray Experiments” to be held at Gauhati University during March 23-25, 2009. Details of the program are placed below. Applications are invited for participation in the said programme.

#### Objective:

The mysterious and currently unknown origin of the most energetic cosmic ray particles has triggered theoretical speculations and development of several new detection concepts and experimental projects. This workshop is intended for anyone associated or in collaboration with detector based experiments seeking fundamental understanding of the Nature. The main objective of this workshop is to familiarize and give first-hand exposure to the latest developments in experimental data analysis tools for high energy astro-particle research.

The presentations at the workshop are aimed at providing the participants with latest methodologies in handling simulation and data analysis in the fields of High Energy physics, cosmic rays, astronomy and astro-particle physics.

**Topics to be discussed :** 1. Detector overview & data acquisition,  
2. Monte Carlo simulation,  
3. Data analysis using ROOT software,  
4. Statistical analysis & interpretation of Physics results.

**Eligibility/who can apply/TA/DA:** Faculty members of Universities/Research institutes/Colleges, research scholars and highly motivated final year M. Sc. physics students are invited to apply for participation. Selection will be on the basis of merit judged by a letter of recommendation for students/researchers and a brief statement of research interest for college teachers/scientists. Selected participants will be paid TA/DA. Local hospitality will be provided by the organizers.

**How to apply:** Application with brief biodata, contact postal and e-mail address, telephone/mobile number and name and e-mail id of one referee to be sent to the following address, preferably by e-mail

[guworkshop@gmail.com](mailto:guworkshop@gmail.com)

**Convenor :** Prof. Kalyanee Boruah, [kalyaneeboruah@gauhati.ac.in](mailto:kalyaneeboruah@gauhati.ac.in) ; Phone : 0361-2570531(O)  
[kalyanee1@rediffmail.com](mailto:kalyanee1@rediffmail.com) 09435543920 (mobile)

**Secretary :** Prof. N. Nimai Singh, [nimai03@yahoo.com](mailto:nimai03@yahoo.com) , mobile: 09435011619

**Time schedule (Last dates):** Receipt of application form : February 28, 2009

Intimation of acceptance in website : March 1, 2009.

**National Organizing Committee :** Dr. B Bhuyan, IIT Guwahati; Prof. S Raha, Bose Institute, Kolkatta; Prof S K Gupta, TIFR, Mumbai; Prof P R Vishwanath, IIA, Bangalore; Prof B S Acharya, TIFR, Mumbai; Prof. RK Koul, BARC, Mumbai; Prof. D.K. Choudhury, Gauhati Univ.; Prof K. Boruah, GU.

**Registration Fee:** A non-refundable registration fee of Rs. 300/- for students and research scholars, and Rs. 500/- for faculty members , is required to be deposited at the time of registration. However, no registration fee is required for a student without any fellowship.

For more information please visit our website: <http://www.gauhati.ac.in/Physics/>