Research Scientist in Astroparticle Physics at NASA/GSFC

The NASA Goddard Space Flight Center (GSFC) Astroparticle Physics Laboratory, in conjunction with the Center for Research and Exploration in Space Science and Technology (CRESST), is soliciting applicants for a research scientist position. The successful candidate will conduct research to understand the radiation processes of Gamma-ray Bursts (GRBs), using data from Swift, Fermi and ground observatories. She or he will be responsible for the spectral calibration and energy response of the BAT instrument on-board Swift. Finally, the research scientist will support the Goddard Robotic Telescope (GRT), which is currently observing the prompt optical emission of GRBs and blazars.

The selected candidate will have a PhD in Physics, Astrophysics, or similar field, with an emphasis on Astroparticle Physics. He or she must have considerable experience in the analysis and interpretation of GRBs and related phenomena. The candidate will have knowledge of spacecraft data calibration and analysis through demonstrated publications in refereed journals. She/he should also have good verbal and written communication skills as well as be experienced in the data visualization and the use of IDL and preferably other languages such as C/C++ and Fortran. The position is full-time and includes full benefits.

The scientist will be resident at the NASA/GSFC in Greenbelt Maryland, and employed by the University of Maryland, Baltimore County (UMBC) through the CRESST cooperative agreement with NASA/GSFC. Salary is commensurate with qualifications and experience.

To apply, submit a cover letter, CV, full publication list, and contact information for three professional references by December 1, 2012 to Ms. Virginia Peles, via e-mail: Virginia.C.Peles@nasa.gov, or by mail to: Mail Code 660.8, NASA/GSFC, Greenbelt MD 20771, USA. The position will remain open until filled.

For further information regarding this position, please contact Dr. Neil Gehrels (Neil.Gehrels@nasa.gov). For information on CRESST and/or UMBC please contact Dr. Ian George (george@umbc.edu).

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