Postdoctoral Position for GRB Research with GLAST

at the School of Engineering Sciences, Department of Physics, The Royal Institute of Technology, KTH, Stockholm, Sweden.

The School of Engineering Sciences carries out a wide range of research at the international front line, from fundamental disciplines such as physics and mathematics, to engineering mechanics with applications such as aeronautics and vehicle engineering. We also offer University degree programs in Engineering Physics, Vehicle Engineering, 'Engineering and Education', and 'Open Entrance', as well as a number of International Masters Programmes.

A postdoctoral position is available at the Physics Department of the Royal Institute of Technology (KTH) in Stockholm. The successful candidate will mainly conduct research on gamma-ray bursts (GRBs), in particular using observations made by GLAST (Gamma-ray Large Area Space Telescope).

GLAST is a next generation high-energy gamma-ray observatory designed for making observations of celestial gamma-ray sources in the energy band extending from 10 keV to more than 100 GeV. One of the many scientific goals of GLAST is the understanding of the high-energy emission from GRBs. The launch of GLAST is scheduled for February 2008 (http://www-glast.stanford.edu/index.html).

Our group has worked extensively on the data analysis and interpretation of GRB data from CGRO/BATSE and Swift and has recently been involved in the simulations and preparation for the data analysis of GRBs observed by the LAT (Large Area Telescope) and GBM (GLAST Burst Monitor) instruments. In addition, we are involved in upcoming Blazar studies. The group is presently also involved in the PAMELA, PoGOLite experiments and has actively participated in experiments measuring different aspects of the cosmic radiation for more than a decade (http://www.particle.kth.se/astro/).

Our department is located in the AlbaNova University Center which consists of several institutes working in Astrophysics. The Astronomy Department at Stockholm University is active in the fields of high-energy astrophysics (http://www.astro.su.se/Xgamma) and cosmology and have regular seminars of general astrophysics interest. Furthermore, the Physics Department at Stockholm University has a group working on dark matter searches with GLAST. For more details about the research environment at AlbaNova, see the High-Energy Astrophysics and Cosmology Centre (HEAC, http://heac.albanova.se). In addition, NORDITA is located on the premises and adds to the research environment (http://www.nordita.se).

The successful applicant is expected to participate in data analysis, theoretical interpretation, and modelling of GLAST data. Experience in theory and of data analysis of X-ray and gamma-ray data will be considered as a merit. This postdoctoral position is granted for 2 years and is financed by the Swedish National Space Board.

Deadline for applications is **15 November 2007**. The application should contain a CV including research interests, a publication list, and at most three letters of recommendation.
Only applications sent by ordinary mail will be considered. They should be sent to:
Ms. Carina Ankarloo, Department of Physics, Royal Institute of Technology (KTH),
AlbaNova University Centre, SE-10691 Stockholm, Sweden.

Applications should arrive by 15 November 2007 and be marked with reference number
S-2007-0810

For further information, please contact:
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