



I N T E G R A L
SCIENCE DATA CENTRE

Centre attaché à l'Observatoire de Genève



UNIVERSITÉ DE GENÈVE

ASTROPHYSICS SEMINAR



Monday, October 27, 2003 at 11:00

EUSO Operations: flight & ground

Maria Catarina
(LIP, Portugal)

Abstract. The Extreme Universe Space Observatory (EUSO) has the main goal of studying the extreme energy cosmic rays, observing the dark atmosphere of Earth from space. EUSO has recently finished its ESA Phase A study and is planned for accommodation in 2009 on the International Space Station (ISS). In this talk the EUSO mission is introduced. The planning of the EUSO operations and ground segment are discussed in further detail. Both the on-board and the on-ground system play an important role in operations. The fulfilment of the scientific goals of the mission and the safety of the instrument require the definition of different operational modes and procedures. Since no permanent contact with the payload is provided, a considerably autonomy of the on-board system is required. The EUSO Science Operations and Data Centre (SODC) will constitute the EUSO scientific ground segment. It shall ensure the scientific mission control and planning and address the issues of data collection, monitoring, distribution and archiving.

Additional Information

The seminars are given in the ISDC "Pavillon" building
Address: INTEGRAL Science Data Centre, ch. d'Écogia 16, CH-1290 Versoix
WWW: ISDC Seminars: <http://isdc.unige.ch/index.cgi?Science+seminars>