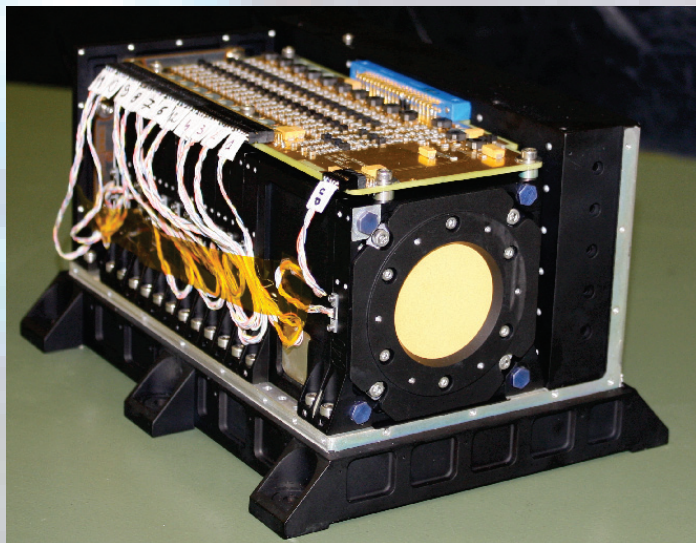


The EPT day

Louvain-la-Neuve, 4 June 2010

CYCL 01 Auditorium - Marc de Hemptinne Building - ground floor
Chemin du Cyclotron, 2 – B-1348 Louvain-la-Neuve



The Energetic Particle Telescope (EPT) is a compact (max. 128 x 162 x 212 mm³, 4.6 kg, <6 Watt) instrument designed to perform contamination-free measurements of electron (0.3 – 30 MeV), proton (4 – 300 MeV) and He ion (16 – 1000 MeV) energy spectra in the space environment. It was designed on the basis of the EPT concept developed at UCL/CSR and which includes modularity as one of the most important EPT inherent features.

The EPT day provides potential users with an opportunity to in-beam operate the Engineering Model (EM) and note the instrument performances. Moreover, keynote speakers will deliver seminars on science-class space instruments requirements, possible EPT applications and other supporting activities.

Agenda

8:30	Welcome	
9:30	P. Bertrand, Pro-Rector UCL	Opening address
9:40	P. Nieminen (ESA/ESTEC)	Required performances of space science instruments - Past, present and future
10:10	S. Benck (UCL/CSR)	The Transient Observations-based Particle model and the EPT
10:30	Coffee break	
10:50	A. Zadeh (ESA/ESTEC)	EEE Component radiation hardness assurance
11:20	A. Luu (UCL/CP3)	Development of a laser facility and a test platform called ASTERICS for radiation testing at UCL
11:40	M. Cyamukungu (UCL/CSR)	The EPT – A high-fidelity instrument for space science applications
12:00	A. Bakaldin (MEPhI/Moscow)	The EPT as part of the MONICA experiment
12:30	Lunch	
14:00	J. Cabrera (UCL/CSR) G. Berger (UCL/CRC) O. Militaru (UCL/CSR/CRC)	The EPT – In-beam demonstration
16:00	V. Pierrard (UCL/CSR/BISA)	Closing address