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Centre attaché à l'Observatoire de Genève



**UNIVERSITÉ
DE GENÈVE**

FACULTÉ DES SCIENCES
Département d'astronomie

ASTROPHYSICS SEMINAR



Tuesday, 9 October 2007 at 11:00

Hard X-ray Emission from High Energy Nonthermal Processes in Clusters of Galaxies

Susumu Inoue

National Astronomical Observatory of Japan

Abstract. There are good reasons to believe that clusters of galaxies contain different populations of high-energy particles that can lead to interesting nonthermal X-ray and gamma-ray emission. I will discuss various theoretical possibilities for hard X-ray emission from electrons, protons and their secondary products, the observational prospects, and their relation to GeV-TeV gamma-ray and ultra-high-energy cosmic ray production.

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/?Science+seminars>