

SEMINAIRE régulier du Service d'Astrophysique



The soft gamma-ray characteristics of Pulsar Wind Nebulae

Anthony J. DEAN
(University of Southampton, UK)

Mardi 27 Novembre 2007

11h00

Pulsar Wind Nebulae are powerful soft gamma-ray sources that emit typically 1% of the pulsars spin down energy in the 20 to 100 keV domain. INTEGRAL has detected about 10 PWN, all of which are associated with energetic young pulsars. Comparisons with Chandra and XMM spectral images can be used to help locate the position of origin of the gamma-rays in the context of the complex morphological structures inherent to the PWN systems. Individual pulsar/PWN systems will be reviewed; including the INTEGRAL source IGR J18135-1751, which has all the observational attributes of a PWN system, except no pulsar has yet been discovered.



Un café sera servi 15 minutes avant le séminaire

Ce séminaire aura lieu au CEA Saclay – Orme des Merisiers – bâtiment 709, Salle 220.