



ČESKÉ VYSOKÉ UČENÍ TECHNICKÉ V PRAZE
ÚSTAV TECHNICKÉ A EXPERIMENTÁLNÍ FYZIKY

128 00 Praha 2 - Albertov, Horská 3a/22
tel.: 22435-9391, 9290; fax: 22435-9392



POZVÁNKA

na 256. seminář ÚTEF ČVUT
pod záštitou Československé sekce NPSS IEEE

Chasing Gamma-Ray Bursts from the Early Universe

Dr. Jochen Greiner

Max-Planck-Institut für extraterrestrische Physik
Garching

Abstract: Gamma-Ray Bursts (GRBs) are thought to originate in the explosion of massive stars. Since the gamma-ray radiation during the burst is so enormously bright, GRBs can be seen back in time to the epoch when the very first stars formed. I will report on results obtained with GROND, a 7-channel imager chasing GRB afterglows in the near-infrared and optical passbands since 5 years. Besides our high discovery rate of high-redshift GRBs, GROND also provides unique data from which new insight into the underlying physics can be derived for several phenomena like late-time engine activity or magnetic field variations. I will also talk about a new concept for a future gamma-ray (burst) detector, called GRIPS, which is extremely sensitive to the polarization of gamma-rays, and promises to make substantial progress in our understanding of the emission process in GRBs.

Seminář se bude konat v úterý 18. prosince 2012 ve 14 hodin
v zasedací místnosti ÚTEF ČVUT, Praha 2 - Albertov, Horská 3a/22

Ing. František Krejčí
tajemník semináře

Ing. Stanislav Pospíšil, DrSc.
ředitel

Doc. Ing. Carlos Granja, Ph.D.
předseda NPSS, ČS IEEE

NUCLEAR & PLASMA SCIENCES SOCIETY CHAPTER

IEEE Czechoslovakia Section
<http://www.ieee.cz/en/nps>

