

# In-beam gamma-ray spectroscopy with fast beams of rare isotopes

*Thursday, 3 April 2008 09:50 (30 minutes)*

Gamma-rays emitted from bound excited states carry valuable information on the structure of the nucleus. At present, in-beam gamma-ray spectroscopy with fast beams combined with a set of robust experimental techniques contributes in many ways to new discoveries and insights into the structure of nuclei far from stability.

An overview of in-beam gamma-ray experimental techniques, illustrated with examples of recent results, will be presented. A number of new promising developments addressing some of the challenges inherent to in-beam gamma-ray experiments with fast-beams of rare isotopes will be discussed.

**Presenter:** Dr ADRICH, Przemyslaw (NSCL)

**Session Classification:** Collectivities and Shell effects in neutron/proton-rich nuclei