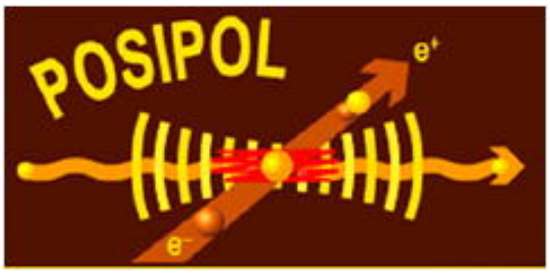

Contribution ID: **19** Type: **Talks**

Compton Ring for Nuclear Waste Analysis

Friday, 26 June 2009 11:00 (30 minutes)

Compton storage rings at maximal energy of electron beam about 350 MeV is promising intensive source of hard photons for analysis of nuclear waste. Two lattices of such rings are discussed. Dynamics of electron bunches circulating in a storage ring and interacting with high-power laser pulses is studied by simulation. Parameters of both electron and photon beams are presented.

Primary author: Dr GLADKIKH, Peter (NSC KIPT)

Co-authors: BULYAK, Eugene (NSC KIPT); URAKAWA, Junji (KEK); OMORI, Tsunehiko (KEK)

Presenter: Dr GLADKIKH, Peter (NSC KIPT)

Session Classification: Industrial Applications

Track Classification: Talks