



Contribution ID: 64

Type: **not specified**

## Measurement of pulsed ionizing radiation at DESY

*Monday, 28 April 2014 09:50 (25 minutes)*

At DESY sources of pulsed ionizing radiation include rf-driven electron accelerators and in the near future laser driven plasma accelerators. Pulsed neutron and photon doses are measured using the LB 6419 probe from Berthold Technologies. Operational experience has been gained over the last 6 years with the current number of devices reaching more than 100. In this talk, quantities suitable to characterize detector response to pulsed radiation will be discussed. A simple condition is derived for the conditions in which a pulsed time structure of radiation has to be taken into account.

**Primary author:** LEUSCHNER, Albrecht (DESY)

**Presenter:** LEUSCHNER, Albrecht (DESY)

**Session Classification:** Session 1. Source Term and Related Topics, Convener: Hee-Seock Lee