

# The necessary safety requirements for the next generation n\_TOF and ISOL facilities at CERN

*Wednesday 12 October 2005 15:40 (25 minutes)*

ISOLDE has been designed in 1990 for a maximum proton beam power which will be exceeded by up to a factor of five in HIE ISOLDE. The consequences for radiation protection will be described.

The n-TOF Ph2 facility shall be built from the outset according to radiation protection standards which will allow the use of sealed and unsealed radioactive targets and the full exploitation of neutron beam intensity in the new experimental area.

**Primary author:** Dr OTTO, Thomas (CERN)

**Presenter:** Dr OTTO, Thomas (CERN)

**Session Classification:** Facilities at CERN: injectors, short and mid-term plans for n\_TOF and ISOLDE

**Track Classification:** Facilities at CERN: injectors, short and mid-term plans for n\_TOF and ISOLDE