

# HiRadMat at CERN SPS - A dedicated in-beam test facility

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HiRadMat (High Irradiation to Materials), constructed in 2011, is a facility at CERN designed to provide high-intensity pulsed beams to an irradiation area where material samples as well as accelerator component assemblies can be tested. The facility uses a 440 GeV proton beam extracted from the CERN SPS with a pulse length of

up to 7.2 s, to a maximum pulse energy of 3.4 MJ ( $3 \cdot 10^{13}$  proton/pulse).

The presentation will demonstrate the possibilities for research using this facility and showing examples of upcoming experiments scheduled for the coming beam period starting in Autumn 2014.

**Primary author:** Dr FABICH, Adrian (CERN)

**Presenter:** Dr FABICH, Adrian (CERN)

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