Contribution ID: **17** Type: **not specified**

Characterization of FOOT silicon microstrip detectors with protons.

The FOOT (FragmentatiOn Of Target) multi-detector experiment aims at improving the accuracy of oncological hadrontherapy for tumor treatment. It studies the nuclear fragmentation due to the interactions of charged particle beams with patient tissues. Among the FOOT detection subsystems detectors, the Silicon Microstrip Detector is part of the charged-ions-tracking magnetic spectrometer. The MSD has been exposed to proton beams at Trento facility to study the response in terms of collected signal, noise and detection efficiency. In this presentation we will present some of the results obtained from these studies.

Primary author: Dr SERVOLI, Leonello (Istituto Nazionale di Fisica Nucleare)

Co-author: COLLABORATION, The FOOT

Presenter: Dr SERVOLI, Leonello (Istituto Nazionale di Fisica Nucleare)