



Contribution ID: 4

Type: **Contributed talk**

Proton in-beam tests of the Lund R3B calorimeter prototype

Wednesday, 24 March 2010 08:30 (30 minutes)

In-beam tests of the Lund R3B calorimeter prototype have been carried out at The Svedberg Laboratory, Uppsala, Sweden using the 179 MeV proton beam. The detector consists of a cluster of 5x3 CsI(Tl) crystals representing a section of the barrel of the calorimeter. An energy resolution of ~0.5% has been achieved and gain corrected summing has been tested. Results from the test, including multiplicity and sum spectra that show good agreement with GEANT4 simulations, will be presented.

Primary author: Mr DIJULIO, Douglas (Lund University)

Presenter: Mr DIJULIO, Douglas (Lund University)

Session Classification: Nuclear Structure and Reactions