



Contribution ID: 65

Type: Talk

First Results of transverse measurement with a pepper-pot device at INFN - LNS

For the characterization of a low intensity, high energy ion beam, a pepper-pot measurement instrument is under development at INFN LNS. The functionality and components of the pepper pot device is reviewed as well as the final mechanical prototype. Separating a beam into several beamlets allow to measure the transverse emittance in one shot. Details of the experimental setup, preliminary results with a parasitic beam and further developments will be presented.

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