

Contribution ID: 160

Type: not specified

Beam monitoring through beamstrahlung

Beam monitoring is crucial for particle accelerators to achieve high luminosity. We describe our work to develop a reliable beam monitoring device utilizing observation of the beamstrahlung, radiation emitted by a beam of charged particles when it accelerates in the electromagnetic field of another beam of charged particles.

Authors: Dr LIVENTSEV, Dmitri (Wayne State University); BONVICINI, giovanni (Wayne State University)