

Beam polarimetry at the SPASCHARM experiment at IHEP U-70 accelerator

Tuesday, 11 October 2016 17:00 (15)

The methods for independent measurements of proton and antiproton beam polarizations at the SPASCHARM experiment at U-70 of IHEP, Protvino, are discussed. The first approach exploits the single-spin polarization asymmetry AN in elastic pp-scattering in the Coulomb-Nuclear Interference and diffraction kinematic regions. The second approach is based on using the earlier observed large AN asymmetry in inclusive charged pion production. The data accumulation times and measurement accuracies are estimated for the both methods and compared.

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Session Classification : Methods of experimental physics - parallel II

Track Classification : Methods of experimental physics