IBIC2024 - 13th International Beam Instrumentation Conference



Contribution ID: 52 Contribution code: WEP03

Type: Poster Presentation

## Two-dimensional reconstruction by the multi-strip ionization chamber at PREF

Wednesday, 11 September 2024 14:20 (1h 30m)

The 60 MeV Proton Radiation Effects Facility (PREF) spent nearly 1 month at the commissioning phase, during which the multi-strip ionization chamber (MIC) at the experimental terminal offered the core parameters, beam spot, scanning area, scanning uniformity, beam flux. However, the projectile distribution provided by the MIC loses some information, such as the flux in a selected area less than the scanning area. This paper proposes a method of two-dimensional reconstruction and experimentally demonstrates that the MIC has the ability to provide a 2D scanning distribution at a sample rate of 10 kHz.

## Footnotes

**Funding Agency** 

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Session Classification: WEP: Wednesday Poster Session

Track Classification: MC4: Transverse Profile and Emittance Monitors