

Phase space tomography with wire scanner at KOMAC BTS

Thursday, November 14, 2024 1:00 PM (1h 30m)

Beam diagnostics are a crucial aspect of accelerators, as they allow for the assessment of the current beam state and facilitate beam adjustments accordingly. Consequently, numerous beam diagnostic techniques have been developed and employed over time. However, many diagnostic methods provide only zero-dimensional or one-dimensional data. Although there are several techniques for two-dimensional or higher-dimensional measurements, they often require specialized equipment.

To address this challenge, we are researching tomography methods. Tomography can generate two-dimensional data from one-dimensional profile data. This presentation will explain the tomography diagnostic method currently being studied at KOMAC's BTS and discuss the results of initial experiments.

Contribution track

ICABU WG2. Beam Physics, Diagnostics & Novel Techniques

Paper submission Plan

No

Best Presentation

No

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Session Classification: ICABU Poster Session

Track Classification: ICABU: ICABU WG2. Beam Physics, Diagnostics & Novel Techniques