

Reconstruction and calibration of MRPC endcap TOF of BESIII

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The endcap time of flight(TOF) detector of the BESIII experiment at the BEPCII was upgraded based on multi-gap resistive plate chamber technology. During 2015-2016 data taking the TOF system has achieved a total time resolution of 65ps for electrons in Bhabha events. Details of reconstruction and calibration procedures, detector alignment and performance with data will be described.

Tertiary Keyword (Optional)

Algorithms

Primary Keyword (Mandatory)

Reconstruction

Secondary Keyword (Optional)

Data processing workflows and frameworks/pipelines

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