



Contribution ID: 60

Type: **not specified**

Design of electromagnetic components at MACE and Muon beamline MuST

Electromagnetic systems are critical in the design of muon-based beamlines and detectors. This poster shows Positron Transport System (PTS) designed for Muonium-to-Antimuonium Conversion Experiment (MACE) and the beamline device for Accelerator Driven Sub-critical System (CiADS) muon beamline MuST. For MACE, PTS we designed realizes transmission, reconstruction of signal and background rejection. On CiADS MuST beamline, this study presents the front-end design based on radiation-resistant capture solenoids and the deceleration device.

Primary authors: Mr LU, Gui-Hao (SUN YAT-SEN UNIVERSITY); ZHAO, Shihan (Sun Yat-Sen University); SUN, Mingchen (Sun Yat-sen University); CHEN, Siyuan (Sun Yat-sen University)

Co-authors: Prof. TANG, Jian (Sun Yat-Sen University); CAI, Hanjie (IMP); HUANG, Ran (IMP)

Presenter: Mr LU, Gui-Hao (SUN YAT-SEN UNIVERSITY)