

15th International Conference on Muon Spin Rotation, Relaxation and Resonance



Contribution ID: 197

Type: Oral

Progress on Muon Source Project at CSNS

Tuesday, 30 August 2022 14:50 (15 minutes)

A Muon station for sciEnce, technoLOgy and inDustrY (MELODY) has been listed in the CSNS II upgrade plan, and the infrastructure construction is scheduled to start by the end of 2022. Up to 5Hz of proton pulses will be extracted from the RCS ring to a stand-alone target station. One surface muon and one decay muon beamline are designed to provide multi-terminals for applications. In this report, we describe the design of MELODY and prospect for future applications.

Primary author: BAO, Yu (Institute of High Energy Physics)

Co-authors: Mr CHEN , Cong (Institute of High Energy Physics); Mr ZHANG, Gang (Institute of High Energy Physics); Mr CHEN, Jiaxin (Institute of High Energy Physics); Mr LIU, Lei (Institute of High Energy Physics); Dr VASSILOPOULOS, Nikos (Institute of High Energy Physics); Dr LI, Qiang (Institute of High Energy Physics); Dr FAN, Ruirui (Institute of High Energy Physics); Dr LI, Yang (Institute of High Energy Physics); Dr LV, You (Institute of High Energy Physics); Dr TAN, Zhixin (Institute of High Energy Physics); Dr PAN, Ziwen (University of Science and Technology, China)

Presenter: BAO, Yu (Institute of High Energy Physics)

Session Classification: Facility Updates

Track Classification: Facility reports