

Status of MicroTCA Implementations at the Spallation Neutron Source

Wednesday 4 December 2019 15:51 (1 minute)

The Trigger Control, Injection Kicker Waveform Monitor and Ring Low Level RF systems at the Spallation Neutron Source are currently operating with MicroTCA based solutions. MicroTCA based Machine Protection System is installed on segments of the machine and under testing. A 16 channel 2 GS/s coherent sampling Extraction Kicker Waveform Monitor with segmented memory acquisition mode is in early development using MicroTCA. Also, under development using MicroTCA is a safety pedigreed Beam Power Limiting System. This poster will cover those and other MicroTCA efforts at the SNS.

Primary authors: Mr JUSTICE, Alan (Oak Ridge National Laboratory); Mr ROBERTS, Charles (Oak Ridge National Laboratory); CURRY, Douglas (Oak Ridge National Laboratory); Mr BREEDING, Eric (Oak Ridge National Laboratory); Mr SINCLAIR, John (Oak Ridge National Laboratory); Mr MARTINEZ, Marnelli (Oak Ridge National Laboratory);

Presenters: Mr ROBERTS, Charles (Oak Ridge National Laboratory); Mr BREEDING, Eric (Oak Ridge National Laboratory)

Session Classification: Poster session