

Accelerator Reliability Workshop (ARW) 2022

Tuesday, October 18, 2022

Poster Session (1:30 PM - 3:00 PM)

-Conveners: Paul Sampson; Doug Preddy

[id] title	presenter	board
[83] Real time emulation of power systems as a tool to contribute to accelerator reliability	HAYNES, Peter	
[50] Availability Accounting at GSI	GEITHNER, Oksana	
[43] Coordinating Equipment Removal and Installation In Anticipation of the EIC	GIORGIO, Caitlin	
[48] Anomaly Detection Efforts at BNL's C-AD	BLACKLER, Ian	
[51] Pulse Irregularities Data Collection and Analysis For BNL's AGS	BECKER, Eliorah	
[54] A Transfer System for Short-lived Gaseous [11C]CO ₂ at the Saskatchewan Centre for Cyclotron Sciences	REGIER, Logan	
[39] Historical Evolution of RHIC Availability	MARR, Gregory	
[56] High reliable operation of the pre-accelerator complex for PETRA III	HAUPT, Dennis	
[60] Prepping RHIC for Summer running in 2023&24	Mr SAMPSON, Paul	
[57] Prep at BNL for the Electron Ion Collider	Mr SAMPSON, Paul	
[70] Why operations talk about functional positions and maintenance only knows assets	PERINIC, Goran	
[71] The key elements and challenges for maintaining the machine protection systems at the European Spallation Source ERIC will be presented	CARROLL, Martin	
[16] A Smart Alarm for the CEBAF Injector	TENNANT, Christopher	
[17] Machine Learning for Improved SRF Operation at CEBAF	TENNANT, Christopher	
[85] CLS Vacuum System Maintenance - Shift from Reactive to Preventative	KARY, Dana	
[55] Temperature prediction and control for accelerators by using automated piecewise linear and overlapped piecewise linear regression methods	Dr BAI, Feng	
[74] In-Situ Leak Detection in SNS Superconducting Linac	GENG, Rongli	
[67] Operation of a novel hyper-redundant robot operation for in-situ accelerators components validation	Dr DI CASTRO, Mario	
[68] A Novel Quality Assurance Robot for RF Cavity Inspection System	Dr DI CASTRO, Mario	
[32] When in doubt, check the Wiki! / Using Wiki as Documentation at the Canadian Light Source	SMITH, Benjamen	
[79] Development of Custom Flow Switches for Target Water Cooling System	SMELTZER, Ryan	
[69] CERN's applications for asset and maintenance management at the service of accelerator reliability	PERINIC, Goran	
[66] Robotics Solutions for accelerators maintenance	Dr DI CASTRO, Mario	
[84] Improving the reliability of the 520 MeV Cyclotron and beamlines	GENGE, Kathleen PREDDY, Doug	

[47] Optimization of Enterprise Asset Management Configuration for Particle Accelerators	TERRY, Heather	
[61] Prediction of plasma instabilities in ECR ion sources with 48Ca operation	Mr SIMON, Kundrat	
[45] qBase. A databased application for advanced failure-handling and tracking to increase accelerators reliability @ DESY	Mr KOEPKE, Siegfried	
[59] Tools for continuous improvement of the reliability of the SOLEIL accelerators	NADOLSKI, Laurent	
[52] LINAC RF Tank 4 Upgrade of the Rutherford Appleton Laboratory Pulsed Neutron and Muon Source	SHEA, Declan Mr BLINDELL, Francis Mr CALDWELL-STEFFEN, Sinje Mr JULIAN, Michael	
[53] Operation Statistics Analysis - Reliability and Fault Profiles of the CLS	SHARMA, Priya	
[81] PLCverif: a tool to formally verify critical PLC programs	FERNANDEZ ADIEGO, Borja	
[31] Reliability Centered Maintenance	UNAL, Resit	
[28] Formal Methods Applied to Software Reliability in Particle Accelerators	FERNANDEZ ADIEGO, Borja	
[62] Availability and Reliability Foundational Pillars of the NA-CONS Project at CERN	KANDHOL, Deepti	
[65] Configuration Management and Operational Aspects in Experimental Areas at CERN	ROMAGNOLI, Giulia	
[30] Methods to Systematically Reduce Beam Trip Frequencies at the Spallation Neutron Source*	PETERS, Charles	
[64] Machine Protection Risk Management Lifecycle at the European Spallation Source ERIC	KÖVECSESES, Szandra	