

International Collaboration on Advanced Neutron Sources (ICANS XXIII)

Monday, 14 October 2019

Target: Target Lifetime - Meeting Room 6 (10:45 - 13:00)

-Conveners: Bernie Riemer

time	[id] title	presenter
10:45	[36] Spallation Neutron Source (SNS) 2 MW Target Life Analysis	MACH, Justin
11:10	[37] Measurements of the Effectiveness of Gas Injection on Reliability of Liquid Metal Spallation Targets	WINDER, Drew
11:35	[60] Investigations on the Premature Failure of SINQ Target #11 and its Countermeasures	BLAU, Bertrand
12:00	[71] Scope and Status of Materials Research for Source Technologies at ESS	Dr LEE, Yong Joong
12:25	[72] Lifetime Criteria of Core Components in ESS Target Environment during Beam Energy Ramp Up	LEE, Yong Joong
12:50	[152] Target Discussion	

Tuesday, 15 October 2019

Target: Moderators and Reflectors - Meeting Room 6 (10:30 - 13:00)

-Conveners: Michael Mocko

time	[id] title	presenter
10:30	[90] Investigation of the impact of crystallite size on the performance of a Be reflector	DI JULIO, Douglas
10:55	[10] Solid methane moderators: thermodynamics and chemistry	KIRICHEK, Oleg
11:20	[53] Development of a High Intensity Moderator for ESS	Dr SANTORO, Valentina
11:45	[3] Engineering design and transient fluid dynamic simulations of the second generation of low dimension cold Moderator for the European Spallation Source ESS	BESSLER, Yannick
12:10	[130] Observing the state of hydrogen in the JPARC moderator loop	HARTL, Monika
12:35	[190] Target 3 Discussion	

Target: Target Engineering #1 - Meeting Room 6 (14:00 - 16:30)

-Conveners: Yannick Bessler

time	[id] title	presenter
14:00	[14] ISIS TS1 Project First Operational Target	Mr MOOR, Jeremy
14:30	[68] The ESS helium cooled rotating target. Design and manufacturing process	SORDO, Fernando
15:00	[48] Preparing for 2 MW Operation of the SNS First Target Station	Mr RIEMER, Bernie
15:30	[47] SNS 2MW Target Design	Mr JOHNS, Kevin
16:00	[192] Target 4 Discussion	BESSLER, Yannick

Wednesday, 16 October 2019

Target: Target Engineering #2 - Meeting Room 6 (10:45 - 13:00)

-Conveners: Daniel Lyngh

time	[id] title	presenter
10:45	[42] Two Methods for Measuring Residual Strain in ISIS Target Plates	WILCOX, Dan
11:10	[69] The final design and manufacturing process for the ESS Monolith Vessel	SORDO, Fernando
11:35	[65] Bubble Generation with a Micro-Orifice in a Liquid Cross-Flow	Dr BARBIER, Charlotte
12:00	[107] Conceptual Design of the Target Systems for the Second Target Station (STS)	ROSENBLAD, Peter
12:25	[123] Conceptual Design of the Moderator Reflector Assembly for the Second Target Station	JANNEY, James
12:50	[195] Target 5 Discussion	

Thursday, 17 October 2019

Target: Target Engineering #3 - Meeting Room 6 (10:30 - 13:00)

-Conveners: Yoann Charles

time	[id] title	presenter
10:30	[76] Towards the engineering design of the next-generation spallation neutron source at LANSCE	ZAVORKA, Lukas
10:55	[79] Design and construction of a nitrogen-cooled Pb-based neutron spallation target for the neutron Time-Of-Flight facility at CERN	ESPOSITO, Raffaele
11:20	[116] Target Segment Design Analysis for the STS Conceptual Design	MCMANAMY, Thomas
11:45	[113] Beam Dump Facility (BDF) production target at CERN – technological challenges, beam irradiation and R&D activities	CALVIANI, Marco
12:10	[73] The ESS Tuning Beam Dump	SORDO, Fernando
12:35	[199] Target 6 Discussion	CHARLES, Yoann

Target: Neutronics #2 - Meeting Room 6 (14:00 - 16:30)

-Conveners: Fernando Sordo

time	[id] title	presenter
14:00	[119] Flight Path Shielding Study with the Next-Generation Lujan Target-Moderator-Reflector-Shield Assembly	MOCKO, Michael
14:30	[139] Moderator Performance at SNS Next Generation IRP (IRP3)	LU, Wei
15:00	[126] Neutronics Analyses for the Conceptual Design of the SNS Second Target Station	REMEC, Igor
15:30	[154] Shielding development for VENUS instrument	GALLMEIER, Franz
16:00	[203] Target 7 Discussion	SORDO, Fernando