# 8th High Power Targetry Workshop (HPTW2023)

## Tuesday, 7 November 2023

**Poster session - Administrative Headquarters 2F Communication Lounge (17:15 - 20:00)**

| time | [id] title | presenter |
|---|---|---|
| 17:15 | [63] ISIS Target Station Two Horn Water Pre-Moderator Failure, Investigation, and Redesign | TELKMAN, Mark |
| 17:16 | [125] Optimisation Procedures for ISIS-II Targets | Mr WELLS CALVO, Daniel |
| 17:17 | [124] Initial Target Concepts for ISIS-II | Mr WILCOX, Dan |
| 17:18 | [123] Simulated and Measured Performance of ISIS TS1 Project Target | Mr WILCOX, Dan |
| 17:19 | [31] ISIS Target Station 2, Post Irradiation Examination of W-Ta Target no 4 | JONES, Leslie |
| 17:20 | [121] COLLIMATORS FOR THE HIGH LUMINOSITY LHC AT CERN | PERILLO MARCONE, Antonio |
| 17:21 | [118] OPERATIONAL EXPERIENCE OF CERN SUPER PROTON SYNCHROTRON BEAM DUMP | PERILLO MARCONE, Antonio |
| 17:22 | [92] Beam Intercepting Devices for the High Intensity upgrade in CERN’s SPS North Area facility | FRANQUEIRA XIMENES, Rui<br>Dr CALVIANI, Marco<br>GRENARD, Jean-Louis |
| 17:25 | [91] Target Systems at the Front end of the International Muon Collider | Dr CALVIANI, Marco |
| 17:26 | [49] LINAC3 SLITS CONSOLIDATION | GRENARD, Jean-Louis |
| 17:27 | [37] ISOLDE Beam Dumps Exchange: A challenging consolidation, from buried dumps to flexible access | Mrs BERNARDES, Ana-Paula |
| 17:28 | [57] The Shielding Flask System at Super-FRS | Dr AMJAD, Faraz |
| 17:29 | [113] The Muon Science Facility of MLF J-PARC | KAWAMURA, Naritoshi |
| 17:30 | [110] ANALYSIS OF ROTATIONAL VIBRATION OF MUON PRODUCTION TARGET AT J-PARC MLF | SUNAGAWA, Hikaru |
| 17:31 | [71] Development of radiation-resistant distance-sensor for rotating-disk-type target at J-PARC Hadron Experimental Facility. | MUTO, Fumimasa |
| 17:32 | [94] Brookhaven Linac Isotope Producer status and Pre/Post-irradiation characterization and analysis capabilities at BNL | KIM, Dohyun |
| 17:33 | [67] Novel materials irradiation and pre-characterization plans for high-power targetry applications | BURLEIGH, Abe |
| 17:34 | [130] Testing high-DPA irradiated titanium alloys for high-cycle fatigue | COWAN, Richard |
| 17:35 | [83] Mechanical Properties Testing, Characterization and Modeling of Proton-irradiated Ti-base Alloys and Beryllium | Dr CASELLA, Andrew |
| 17:36 | [102] Fabrication of W-1.1%TiC with helium bubbles via powder metallurgical route incorporated with helium ambient mechanical alloying | SAKAMOTO, Tatsuaki |
| 17:37 | [98] Recent Progress in development of Toughened, Fine Grained, Recrystallized Tungsten | MAKIMURA, Shunsuke |
| 17:38 | [75] Development of beam window with a large diameter, a thin wall thickness and a large proof pressure for COMET exeperiment through additive manufacturing | NAGASAWA, Yutaka |

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| 17:39 | [77] Life cycle of the proton beam window in J-PARC MLF | OOI, Motoki |
| 17:40 | [68] Moderator and Reflector Fabrication Challenges at the Spallation Neutron Source | Mr ARMITAGE, Doug |
| 17:41 | [80] Impact and Lessons Learned from the Mercury System Filling Incident at the Spallation Neutron Source | WINDER, Drew |
| 17:42 | [122] To realize accelerator driven 80kW class neutron source - defect control and thermal management. | KURIHARA, Toshikazu |
| 17:43 | [21] Experimental study of nuclide production cross sections via the $^{\rm nat}$Pb(p,X) reaction with GeV-energy proton incidence | Dr SUGIHARA, Kenta |
| 17:44 | [74] Graphite enclosure power density experiment | ZHANG, Xuezhi |
| 17:45 | [73] Performance test of Granular flow target | YANG, Lei |
| 17:46 | [76] Isotope batch production target design | ZHANG, Yaling |
| 17:47 | [30] Evaluation on the beam dump activation in the linear IFMIF prototype accelerator (LIPAc) | Dr KUMAGAI, Kohki |
| 17:48 | [105] High-power spallation target for Subcritical Transmutation Accelerated Reactor Technology START: challenges and perspectives | Dr BARBAGALLO, Massimo |
| 17:49 | [143] Overview of High-Power Targets and Strategies for Remote Handling at TRIUMF - Canada's Particle Accelerator Center | EARLE, Isaac |