

Efficient Neutron Sources

Monday, 2 September 2019

Talks: Neutron Production Session 1 - WHGA/001 (11:40 - 12:50)

-Conveners: tba

time	[id] title	presenter
11:40	[28] HIGH-INTENSITY PULSED NEUTRON SOURCE "NEPTUNE" (IBR-3)	Dr KULIKOV, Sergey
12:10	[21] Neutronic optimization for new neutron source in J-PARC	Dr HARADA, Masahide
12:30	[34] The solid-deuterium-moderator-based ultracold neutron source at PSI	LAUSS, Bernhard

Talks: Neutron Production Session 2 - WHGA/001 (14:00 - 15:30)

time	[id] title	presenter
14:00	[3] Neutrons for today and tomorrow – The HBS Project for compact accelerator based neutron sources	GUTBERLET, Thomas
14:30	[23] First steps toward the development of SONATE, a Compact Accelerator driven Neutron Source	THULLIEZ, Loïc
14:50	[8] A next-generation inverse-geometry spallation-driven ultracold neutron source	MUHRER, Guenter
15:10	[1] Tungsten as Spallation Neutron Production Target Material	LEE, Yongjoong

Talks: Neutron Production Session 3 - WHGA/001 (16:00 - 17:00)

time	[id] title	presenter
16:00	[11] ASSESSMENT OF THE EFFECT OF BURNOUT IN THE PULSE RESEARCH NEPTUNIUM REACTOR	Ms PROTSENKO, Elena Dr SHABALIN, Eugene
16:20	[15] Simulating neutron tracks in the new TS1-TRAM at ISIS with FLUKA code: some insights towards an optimised and more efficient target-moderator-reflector assembly for high power spallation sources	Dr QUINTIERI, Lina
16:40	[35] Target Development at PSI	WOHLMUTHER, Michael

Tuesday, 3 September 2019

Talks: Session on Neutron Guides - WHGA/001 (10:00 - 11:50)

time	[id] title	presenter
10:00	[26] Development and Applications of Supermirror	Mr BÖNI, Peter
10:30	[20] Imaging nested-mirror assemblies for efficient beam transport with tailored spectra	ZIMMER, Oliver
10:50	[37] SINQ Neutron Guide Upgrade	JANOSCHEK, Marc
11:10	[38] Ultrahigh precision machining of neutron focusing mirrors using metallic substrate	YAMAGATA
11:30	[39] Neutron Optics inside sample environment	BARTKOWIAK, Marek

Talks: Session on Instruments and Detectors 1 - WHGA/001 (12:00 - 12:50)

time	[id] title	presenter
12:00	[5] Spectroscopy Requirements For New Neutron Sources	Dr EHLERS, Georg
12:30	[27] On-target neutron production monitoring with Self Powered Neutron Detectors	FIORE, Salvatore

Talks: Session on Instruments and Detectors 2 - WHGA/001 (14:00 - 15:10)

time	[id] title	presenter
14:00	[13] Neutron scattering on compact neutron sources	MENELLE, Alain
14:30	[14] Neutron Noise and delayed neutron backgrounds at spallation facilities.	LILLEY, Steven
14:50	[18] Boron-10 based Neutron Detectors at ESS	Mr BACKIS, ON BEHALF OF THE DETECTOR GROUP AND COLLABORATORS, Alexander

Talks: Session on Instruments and Detectors 3 - WHGA/001 (15:50 - 17:10)

time	[id] title	presenter
15:50	[24] Physical Design and Progress of Multi-purpose Physics Neutron Diffractometer of CSNS	YIN, Wen
16:10	[6] Large scale data analysis for the operations side of neutron scattering	HUEGLE, Thomas
16:30	[7] High performance target for an accelerator driven neutron source	ZAKALEK, Paul

Wednesday, 4 September 2019

Talks: Session on Instruments and Detectors 4 - EG06 (08:30 - 09:40)

time	[id] title	presenter
08:30	[40] The performance of ESS spectrometers in comparison with instruments at a short pulse source	ARAI, Masa
09:00	[12] Neutron Radiography Imaging of Argon Bubble Flow in Liquid Gallium in External Horizontal Magnetic Field	Mr BIRJUKOV, Mihails
09:20	[25] EXPERIMENTAL NEEDS FOR NEUTRON SCATTERING METHODS IN THE CHARACTERIZATION OF NUCLEAR MATERIALS AND COMPONENTS	COPPOLA, Roberto

Talks: Session on Moderators and Reflectors 1 - EG06 (14:00 - 15:20)

time	[id] title	presenter
14:00	[17] Moderator Choices for SNS Second Target Station (STS)	Mr GALLMEIER, Franz X.
14:30	[19] Deuterated clathrate hydrates for neutron moderation and reflection in future high-flux sources of very cold neutrons	ZIMMER, Oliver
15:00	[9] Technical parameters of exploitation a cold neutron source on mesitylene beads on IBR-2 nuclear research facility	Dr MUKHIN, Konstantin

Talks: Session on Moderators and Reflectors 2 - EG06 (15:50 - 17:30)

time	[id] title	presenter
15:50	[10] Nanodiamond application for Cold Neutron enhancement in Compact Neutron Sources	Mr JAMALIPOUR, Mostafa
16:10	[41] Neutronics performance measurement of CSNS moderators	LIANG, Tianjiao
16:30	[22] The SNS Moderator Test Station	Dr IVERSON, Erik
16:50	[42] ESS Moderators: Current Status and Upgrade Options	TAKIBAYEV, Alan
17:10	[46] Overview over Fast Neutron Lab Activities	WOLFERTZ, Alexander

Thursday, 5 September 2019

Talks: Close Out Session - WHGA/001 (10:30 - 12:00)

time	[id] title	presenter
10:30	[47] Neutron Production Session Summary	
10:45	[48] Instruments, Guides & Detectors Session Summary	NIEDERMAYER, Christof
11:00	[49] Moderators and Reflectors Session Summary	
11:15	[50] Workshop Closeout part 1	Dr ZANINI, Luca
11:30	[51] Workshop Closeout part 2	
11:45	[52] Workshop Closeout part 3	