

NSTAPP - Neutrons in Science, Technology and Applications

Monday, 22 November 2021 - Monday, 22 November 2021

**CERN
Programme**

Table of contents

Monday, 22 November 2021	1
Welcome & Introduction	1
Institutional session	1
Break	1
Neutrons and Nuclear Data for Advanced Nuclear Technologies	1
Lunch break	1
Nuclear Data Activities at Neutrons Facilities Worldwide	1
Break	1
Neutrons for Basic Science and Novel Applications	2
Discussion & Closing	2

Monday, 22 November 2021

Welcome & Introduction - 503/1-001 - Council Chamber (09:30 - 09:45)

-Conveners: Mengoni, Alberto (ENEA & INFN, Bologna)

Institutional session - 503/1-001 - Council Chamber (09:45 - 10:45)

-Conveners: Mnich, Joachim Josef (CERN)

time	[id] title	presenter
09:45	[21] Accelerators for Science, Technology and Applications. A Premise to n_TOF Physics Programs. (20 minutes)	RUBBIA, Carlo (GSSI (Gran Sasso Science Institute))
10:05	[22] CERN going forward (20 minutes)	LAMONT, Mike (CERN)
10:25	[1] The n_TOF Facility at CERN (20 minutes)	CALVIANI, Marco (CERN)

Break (10:45 - 11:00)

Neutrons and Nuclear Data for Advanced Nuclear Technologies - 503/1-001 - Council Chamber (11:00 - 13:00)

time	[id] title	presenter
11:00	[2] NEWCLEO Projects (20 minutes)	DE MIN, Alberto (Univ. degli Studi Milano-Bicocca)
11:20	[3] The Transmutex Project (20 minutes)	REVOL, Jean-Pierre
11:40	[4] The MYRRHA Project (20 minutes)	VAN DEN EYNDE, Gert (SCK CEN)
12:00	[6] Nuclear Data for Gen-IV, ADS and Transmutation (20 minutes)	CANO OTT, Daniel (CIEMAT - Centro de Investigaciones Energéticas, MedioAmbientales y Tecnológicas)
12:20	[7] Nuclear Data for U/Th cycle (20 minutes)	DUPONT, Emmeric (Université Paris-Saclay (FR))
12:40	[8] Nuclear Data Evaluations and Theory (20 minutes)	CAPOTE NOY, Roberto (IAEA)

Lunch break (13:00 - 14:00)

Nuclear Data Activities at Neutrons Facilities Worldwide - 500/1-001 - Main Auditorium (14:00 - 16:00)

time	[id] title	presenter
14:00	[9] ANNRI at J-PARC, Japan (20 minutes)	IWAMOTO, Osamu (JAEA, Tokai-mura)
14:20	[10] Back-n WNS at CSNS, China (20 minutes)	TANG, Jingyu (IHEP)
14:40	[11] LiLiT at SARAF, Israel (20 minutes)	PAUL, Michael (Hebrew University Jerusalem)
15:00	[12] GELINA at JRC-Geel, Belgium (20 minutes)	PLOMPEN, Arjan
15:20	[13] NFS at GANIL, France (20 minutes)	LEDoux, Xavier (CEA)
15:40	[14] LANSCE/DICER at Los Alamos, USA (20 minutes)	KOEHLER, Paul (Los Alamos National Laboratory)

Break (16:00 - 16:15)

Neutrons for Basic Science and Novel Applications - 500/1-001 - Main Auditorium (16:15 - 18:00)

time	[id] title	presenter
16:15	[15] Neutrons in nuclear astrophysics (15 minutes)	LEDERER-WOODS, Claudia (The University of Edinburgh (GB))
16:30	[16] S-process branching points (15 minutes)	DOMINGO PARDO, Cesar (Instituto de Fisica Corpuscular (ES))
16:45	[17] R-process nucleosynthesis: fission (15 minutes)	PATRONIS, Nikolaos (University of Ioannina (GR))
17:00	[23] Detector System Development at n_TOF (15 minutes)	GUERRERO SANCHEZ, Carlos (Universidad de Sevilla (ES))
17:15	[18] NN scattering length & X17 (15 minutes)	MASSIMI, Cristian (Universita e INFN, Bologna (IT))
17:30	[19] Nuclear Data for Radioisotope production and Nuclear Medicine (15 minutes)	PRAENA RODRIGUEZ, Antonio Javier (Universidad de Granada (ES))
17:45	[20] The NEAR Station Irradiation program (15 minutes)	BERNARDES, Ana-Paula (CERN)

Discussion & Closing - 500/1-001 - Main Auditorium (18:00 - 18:15)