

MNT2024 - Exploring the heavy exotic neutron-rich nuclides via multinucleon transfer reactions

Tuesday, 2 July 2024

Session: Session 1 - Nishina RIBF bldg. room #201 (10:15 - 11:45)

time	[id] title	presenter
10:15	[29] KISS for nuclear spectroscopy of MNT products	HIRAYAMA, Yoshikazu
10:45	[30] MNT experiments with stable and secondary beams at the FRS and Super-FRS Ion Catcher	DICKEL, Timo
11:15	[31] Production and studies of neutron-rich nuclei at IGISOL	KANKAINEN, Anu

Session: Session 2 - Nishina RIBF bldg. room #201 (13:15 - 14:45)

time	[id] title	presenter
13:15	[32] Status of MNT studies at JINR and perspectives	KARPOV, Alexander
13:45	[78] Separation of evaporation residues produced in MNT reactions using JAEA-Recoil Mass Separator	NISHIO, Katsuhisa
14:15	[33] Synthesis of heavy nuclei in multinucleon transfer reaction $^{136}\text{Xe} + ^{238}\text{U}$ close to 0 degree	SULIGANO, Barbara

Session: Session 3 - Nishina RIBF bldg. room #201 (15:10 - 16:25)

time	[id] title	presenter
15:10	[34] MNT studies with Velocity Filters	HM, DEVARAJA
15:40	[35] The experimental study of properties of MNT fragments formed in the reactions with ^{238}U	KNYAZHEVA, Galina
16:05	[36] Multi-Nucleon-Transfer and the production of Heavy Elements	HAGEL, Kris

Session: Session 4 - Nishina RIBF bldg. room #201 (16:50 - 18:15)

time	[id] title	presenter
16:50	[37] Studies of MNT reactions at the Coulomb barrier with Jyväskylä in-flight-separator	SAREN, Jan
17:20	[38] MNT studies with TOF methods at GSI, JYFL and Dubna	VARDACI, Emanuele
17:50	[39] Current status and prospects of MNT study with helium gas-cell + MRTOF system towards $N = 126$ and 152	Dr KIMURA, Sota

Wednesday, 3 July 2024

Session: Session 5 - Nishina RIBF bldg. room #201 (09:10 - 10:10)

time	[id] title	presenter
09:10	[40] Theoretical investigation of multinucleon transfer reactions within the dynamic model based on Langevin equations	Mr SAIKO, Vyacheslav
09:40	[41] What is NEXT? A setup to study Neutron-rich, heavy, EXotic nuclei produced in multinucleon Transfer reactions	EVEN, Julia

Session: Session 6 - Nishina RIBF bldg. room #201 (10:35 - 11:35)

time	[id] title	presenter
10:35	[42] Microscopic approaches for multinucleon transfer reactions beyond TDHF: recent progress	Dr SEKIZAWA, Kazuyuki
11:05	[43] Development and commissioning of the MNT gas cell for IGISOL	ZADVORNAYA, Alexandra

Session: Session 7 - Nishina RIBF bldg. room #201 (15:05 - 16:40)

time	[id] title	presenter
15:05	[44] Future plan of KISS for spectroscopy of neutron-rich actinoids	WATANABE, Yutaka
15:30	[45] Simulation of MNT experiments with INCREASE (GSI) and IGISOL (JYFL)	CONSTANTIN, Paul
16:00	[46] Shell effect in multinucleon transfer reactions	CHEN, penghui
16:20	[47] Cluster transfer and cluster emission in massive transfer reactions	FENG, Zhaoqing

Session: Session 8 - Nishina RIBF bldg. room #201 (17:05 - 18:35)

time	[id] title	presenter
17:05	[48] The N = 126 Factory	BRODEUR, Maxime
17:35	[49] Opportunities with the N = 126 Factory at Argonne National Laboratory	VALVERDE, Adrian
17:55	[50] Status of the Commissioning of the N = 126 factory at ANL	SAVARD, Guy
18:15	[51] Prospects of MNT studies at N = 126 for r-process nucleosynthesis with the ISOLDE Superconducting Recoil Separator	KURTUKIAN NIETO, Teresa

Thursday, 4 July 2024

Session: Session 9 - Nishina RIBF bldg. room #201 (09:10 - 10:10)

time	[id] title	presenter
09:10	[52] ISOLDE studies of the neutron-rich nuclides east of 208Pb	ANDREYEV, Andrei
09:40	[53] Shell model study of allowed and forbidden beta decay in the Pb region	SRIVASTAVA, Praveen

Session: Session 10 - Nishina RIBF bldg. room #201 (10:35 - 11:40)

time	[id] title	presenter
10:35	[54] The progress of in-gas-cell laser ionization spectroscopy of neutron-rich tungsten isotopes	MUKAI, Momo
11:00	[55] Configuration-Interaction Shell Model (CISM) Understanding of Medium and Heavy Mass Nuclei	YUAN, Cenxi
11:20	[56] Exploration on the effective nuclear force for the $N > 126$ nuclei	LIU, Menglan

Session: Session 11 - Nishina RIBF bldg. room #201 (13:10 - 14:40)

time	[id] title	presenter
13:10	[57] High-resolution resonance ionization spectroscopy at the S3-Low Energy Branch of the GANIL-SPIRAL2 facility	FERRER-GARCIA, Rafael
13:40	[58] Laser ionization of thorium via Rydberg states in hypersonic gas jets	CLAESSENS, Arno
14:00	[59] Simulation-aided offline optimization of the JetRIS apparatus	IVANDIKOV, Fedor
14:20	[60] Studies of K Isomers using Multi-nucleon Transfer REactions and Gammasphere	KONDEV, Filip

Session: Session 12 - Nishina RIBF bldg. room #201 (15:05 - 16:20)

time	[id] title	presenter
15:05	[61] Actinide experimental efforts for uncovering the origin of the heaviest elements	MUMPOWER, Matthew
15:35	[62] Origin of the r-process elements in cosmic evolution and nuclear physics	Prof. KAJINO, Toshitaka
16:00	[63] Discovery of new ms-isomers in ^{213}Tl and ^{215}Tl at RIBF-RIKEN	MORALES, Anabel

Session: Session 13 - Nishina RIBF bldg. room #201 (16:45 - 17:35)

time	[id] title	presenter
16:45	[64] Study of neutron-rich Fm and transfermium nuclei with ^{254}Es target and MNT	ASAI, Masato
17:15	[65] Systematic study of fission process in heavy and superheavy mass regions related to multinucleon transfer reactions	ARITOMO, Yoshihiro

Friday, 5 July 2024

Session: Session 14 - Nishina RIBF bldg. room #201 (09:10 - 10:10)

time	[id] title	presenter
09:10	[66] 208Pb fragmentation at BigRIPS vs MNT reactions to produce N ~ 126 nuclei	PODOLYAK, Zsolt
09:40	[67] Production and discovery of high-Z neutron-rich isotopes at NSCL and FRIB	Dr TARASOV, Oleg

Session: Session 15 - Nishina RIBF bldg. room #201 (10:35 - 11:35)

time	[id] title	presenter
10:35	[68] Photoinduced many proton knockout - a new method to access neutron rich nuclei?	WATTS, Dan
11:05	[79] Status of the MNT program and its future plan at IMP	LIU, zhong

Session: Session 16 - Nishina RIBF bldg. room #201 (13:05 - 14:50)

time	[id] title	presenter
13:05	[80] Ab initio calculations of heavy, m exotic nuclei for r-process nucleosynthesis	HOLT, Jason
13:30	[69] New paths for the study of heavy nuclei	BEQUET, Jonathan
13:50	[70] Exploring exotic nuclei via multinucleon transfer reactions using light neutron-rich beams	SANETULLAEV, Alisher
14:10	[71] Coupled reaction channel description of single-nucleon transfer $^{40}\text{Ca} + ^{96}\text{Zr}$	GONIKA, Gonika
14:30	[72] Study of transfer reactions in $^{28}\text{Si} + ^{140,142}\text{Ce}$	KUMAR, Chandra

Session - Nishina RIBF bldg. room #201 (15:15 - 16:55)

time	[id] title	presenter
15:15	[73] NEWGAIN project	STEFAN, Gheorghe Iulian
15:40	[74] Highly selective and high-flux MR-ToF mass separation	MAIER, Franziska
16:00	[75] The mrtof mass measurement project at BigRIPS	ROSENBUSCH, Marco
16:30	[76] Operation and Perspectives of the ZeroDegree Helium Gas Catcher at RIKEN	Mr YAP, Jinn Ming