

16th ASRC International Workshop
“Nuclear Fission and Structure of Exotic Nuclei”
 Advanced Science Research Center (ASRC)
 Japan Atomic Energy Agency (JAEA), Tokai, Japan
 18th - 20th. March (2014)

18.March (Tuesday)

10:30 – 12:00	Registration	
13:20 – 13:30	Katsuhisa Nishio, JAEA Yuichiro Nagame, JAEA, Deputy Director General of ASRC (10)	Opening Welcome
Chair : Hiroshi Ikezoe (JAEA)		
13:30 – 14:00	Jorgen Randrup (30) LBNL	Nuclear one-body dissipation: Implications for damped reactions and fission
14:00 – 14:30	Andrei Andreyev (30) University of York / JAEA	Beta-delayed fission across the chart of nuclides
14:30 – 15:00	Yoshihiro Aritomo (30) Tokyo Institute of Technology	Fission dynamics of low excited nuclei with Langevin approach
15:00 – 15:30	Masami Sako (30) Kyoto University	Fission study using Samurai spectrometer at RIKEN
Coffee break (15:30 – 16:00)		
Chair : Beatriz Jurado (CENBG-University of Bordeaux)		
16:00 – 16:30	Julie-Fiona Martin (30) CEA	SOFIA : Fission yields of actinides and pre-actinides
16:30 – 17:00	Peter Möller (30) LANL	Systematics of fission-fragment yields in the $74 \leq Z \leq 94$ region and odd-even staggering
17:00 – 17:20	Nicolae Carjan (20) NIPNE	Calculated scission-neutron properties in unexpected agreement with data on prompt neutrons
17:20 – 17:40	Robert Frost (20) University of Manchester	A compact double Bragg detector for event-by-event study of the fission process in actinide nuclei

19.March (Wednesday)

Chair : Krzysztof Rykaczewski (ORNL)		
9:00 – 9:30	Hiroyuki Oigawa (30) JAEA	Transmutation of nuclear wastes by Accelerator Driven System (ADS)
9:30 – 10:00	Paul Schuurmans (30) SCK-CEN	The MYRRHA ADS project
10:00 – 10:30	Hiroyoshi Sakurai (30) RIKEN	Nuclear data programs at RIBF for nuclear engineering and transmutation
Coffee break (10:30 – 11:00)		
Chair : Jason Burke (LLNL)		
11:00 – 11:30	Lucia-Ana Popescu (30) SCK-CEN	Radioactive ion beams at ISOL@MYRRHA
11:30 – 12:00	Katsuhisa Nishio (30) JAEA	Fission study and nuclear data measurement at JAEA
Workshop Photo (12:00 -13:10) Lunch		
Chair : Laurent Tassan-Got (IPN-Orsay/ Universite Paris-Sud)		
13:10 – 13:40	Jason Burke (30) LLNL	Surrogate reactions for (n,f) and (n,g) cross sections
13:40 – 14:10	Beatriz Jurado (30) CENBG-University of Bordeaux	Surrogate-reaction studies by the CENBG collaboration: status and perspectives
14:10 – 14:40	Carme Rodriguez (30) GANIL	Multi-nucleon transfer induced fission in inverse kinematics
Coffee break (14:40 – 16:00) J-PARC Tour (14:40 – 16:00)		
Chair : Hiroyoshi Sakurai (RIKEN)		
16:00 – 16:30	Dimiter Balabanski (30) ELI-NP, IFIN-HH	Fission study at the new ELI-NP facility
16:30 – 17:00	Yutaka Watanabe (30) KEK	Study of multinucleon transfer reactions of $^{136}\text{Xe} + ^{198}\text{Pt}$ for production of exotic nuclei
17:00 – 17:20	Thomasz Cap (20) University of Warsaw	Polar-side emission of heavy IMFs in $^{197}\text{Au} + ^{197}\text{Au}$ collisions at 23A MeV
17:20 – 17:40	Daisuke Kameda (20) RIKEN	Search for new isotopes and new isomers using in-flight fission of a 345 MeV/nucleon ^{238}U beam at RIKEN RI Beam Factory
Workshop Dinner 18:30–		

20.March (Thursday)

Chair : Yutaka Utsuno (JAEA)		
9:00 – 9:30	David Jenkins (30) University of York	Spectroscopy beyond the N=Z line
9:30 – 10:00	Robert Grzywacz (30) Tennessee/ORNL	Beta-delayed neutrons with VANDLE: Paradise or pandemonium ?
10:00 – 10:30	Laurent Tassan-Got (30) IPN-Orsay/ Universite Paris-Sud	Fragment angular distributions in nucleon-induced fission, an insight into the reaction mechanism
(10:30 - 11:00) Coffee break		
Chair : Ohtsuki Tsutomu (Kyoto University)		
11:00 – 11:30	Fredrik Tovesson (30) LANL	Fission cross section and fragment property measurements at the Los Alamos Neutron Science Center
11:30 – 11:50	Kentaro Hirose (20) JAEA	Fission and capture cross section measurement at J-PARC
11:50 – 12:10	Gavin Smith (20) University of Manchester	Progress with STEFF and Prospects for Experiments at n_TOF
(12:10 - 13:10) Lunch		
Chair : David Jenkins (University of York)		
13:10 – 13:30	Christina Weiss (20) CERN	Present and Future of Fission at n_TOF
13:30 – 13:50	Kazufumi Tsujimoto (20) JAEA	Nuclear data needs for transmutation system
13:50 – 14:20	Alexander Yakushev (30) GSI	Superheavy element research at TASCA
14:20 – 14:50	Michael Block (30) GSI	Nuclear Structure Studies with Penning Traps
14:50 – 15:10	Krzysztof Rykaczewski (20) ORNL	Search for ^{283,284,285} F1 decay chains
(15:10 – 15:40) Coffee Break		
Chair : Matthias Schädel (GSI/JAEA)		
15:40 – 16:10	Hiromitsu Haba (30) RIKEN	Production and decay studies of ²⁶¹ Rf, ²⁶² Db, and ²⁶⁵ Sg at GARIS@RIKEN
16:10 – 16:40	Masato Asai (30) JAEA	Alpha-decay spectroscopy of transfermium nuclei at JAEA
16:40 – 17:10	Fritz-Peter Hessberger (30) GSI	Nuclear structure of superheavy elements investigated at GSI
17:10 – 17:30	Tetsuya K. Sato (20) JAEA	Measurement of the first ionization potential of lawrencium (Lr, Z=103) by surface ionization technique
17:30 – 17:35	Andrei Andreyev (5), University of York/JAEA, Closing	