

10th ASRC International Workshop
“Nuclear Fission and Decay of Exotic Nuclei”
 Japan Atomic Energy Agency (JAEA), Tokai, Japan
 21st and 22nd. March (2013)

21.March (Thursday)

8:50 – 9:20	Registration	
9:20 – 9:30	K. Nishio, <i>JAEA</i> S. Maekawa, <i>JAEA, Director of ASRC (10)</i>	Opening Welcome Talk
<i>Chair : W. Henning (RIKEN, ANL, TU Munich)</i>		
9:30 – 10:00	R. Grzywacz (30), <i>Univ. of Tennessee, ORNL</i>	Digital spectroscopy of charged particles and neutrons - past studies and future plans
10:00 – 10:30	K. Rykaczewski (30), <i>ORNL</i>	Decay studies with pure beams of ²³⁸ U fission products at the HRIBF
Coffee break (10:30 – 11:00)		
<i>Chair : N. Carjan (NIPNE)</i>		
11:00 – 11:30	Y. Utsuno (30), <i>JAEA</i>	Shell evolution along the Sn isotopes
11:30 – 12:00	R. Wadsworth (30), <i>Univ. of York</i>	Spectroscopy near the N=Z line below ¹⁰⁰ Sn
Workshop Photo (12:00 -13:30) Lunch		
<i>Chair : H. Ikezoe (JAEA)</i>		
13:30 – 14:00	T. Sasa (30), <i>JAEA</i>	Multipurpose application of the J-PARC experimental transmutation facility
14:00 – 14:30	S. Nishimura (30), <i>RIKEN</i>	Decay spectroscopy of very neutron-rich nuclei at RIBF
14:30 – 15:00	D. Jenkins (30), <i>Univ. of York</i>	Recoil beta tagging
15:00 – 15:20	C. Domingo-Pardo (20), <i>CSIC-University of Valencia</i>	Overview on beta-delayed neutron emission measurements made with the BELEN detector at ISOL and In-Flight facilities, and future perspectives
Coffee break J-PARC Tour (15:30 – 16:20)		
<i>Chair : J. Randrup (LBNL, Berkeley)</i>		
16:20 – 16:50	T. Kawano (30), <i>LANL</i>	Statistical Theory for the Beta-Delayed Neutron and Gamma-Ray Emission
16:50 – 17:20	H. Koura (30), <i>JAEA</i>	Theoretical study of beta-delayed neutron and decay heat
17:20 – 17:50	A. Osa (30), <i>JAEA</i>	JAEA Tandem ISOL
<i>Workshop Dinner (Restaurant at Tokai) 18:30</i>		

22.March (Friday)

<i>Chair : M. Schädel (JAEA/GSI)</i>		
9:00 – 9:30	K. Nishio (30), <i>JAEA</i>	Fission research program at JAEA
9:30 – 10:00	A. Andreyev (30), <i>Univ. of York</i>	Mapping beta-delayed fission: from proton-rich to neutron-rich nuclei
10:00 – 10:20	W. Henning (20), <i>RIKEN, ANL, TU Munich</i>	Fission Properties of Neutron-rich Nuclei
(10:20 - 10:50) Coffee break		
<i>Chair : N. Takigawa (Tohoku Institute of Technology)</i>		
10:50 – 11:20	J. Randrup (30), <i>LBNL, Berkeley</i>	Energy dependence of nuclear shape evolution
11:20 – 11:40	M. Sasano (20), <i>RIKEN</i>	Fission studies via the (p,n) reaction on unstable nuclei
11:40 – 12:00	Y. Iwata (20) , <i>CNS, Univ. of Tokyo</i>	Fission dynamics of superheavy compound nuclei
(12:00 - 13:30) Lunch		
<i>Chair : A. Iwamoto (JAEA)</i>		
13:30 – 14:00	P. Möller (30), <i>LANL</i>	Systematic calculation of fission fragment yields in the $74 \leq Z \leq 92$ region
14:00 – 14:30	T. Gorbinet (30), <i>CEA</i>	Fission of neutron-deficient nuclei in the 180-205 mass region
14:30 – 14:50	T. Wada (20), <i>Kansai University</i>	Angular distribution of scission neutrons with time-dependent Schrödinger equation
14:50 – 15:10	G. Kim (20), <i>Kyungpook National Univ.</i>	Yields of fission products from proton-induced fission of ^{232}Th
(15:10 – 15:40) Coffee Break		
<i>Chair : Y. Aritomo (Tokyo Institute of Technology)</i>		
15:40 – 16:10	J. Khuyagbaatar (30), <i>GSI</i>	Superheavy element search campaigns at TASCA
16:10 – 16:40	N. Carjan (30), <i>NIPNE</i>	Current density and angular distribution of the scission neutrons
16:40 – 17:00	S. Ebata (20), <i>CNS, Univ. of Tokyo</i>	Pairing effects in fusion phenomena utilizing a time-dependent mean field theory
17:00 – 17:20	K. Sekizawa (20), <i>Univ. of Tsukuba</i>	A fully microscopic study of multinucleon transfer processes in $^{136}\text{Xe}+^{198}\text{Pt}$: An application of the time-dependent Hartree-Fock theory
17:20 – 17:30	A. Andreyev (10), <i>University of York</i> , Closing	