

# TAN 19 - Program

last update: 28 August 2019

Wednesday, 28 August 2019		
Time	Title & Speaker	
	<b>Chair: Peter Schwerdtfeger</b>	
09:00	Structure of superheavy nuclei ** <b>Witold Nazarewicz</b> , Michigan State University (ID 42)	35+5'
09:40	Heaviest nuclei in covariant density functional theory ** <b>Anatoli Afanasjev</b> , Mississippi State University (ID 70)	20+5'
10:05	Hindered decays of heaviest high-K isomers <b>Piotr Jachimowicz</b> , University of Zielona Góra (ID 51)	15+5'
10:25	Exploration of Nuclear Structure and Decay Properties Neutron Deficient Dubnium, Rutherfordium and Lawrencium Isotopes <b>Fritz Peter Heßberger</b> , GSI Helmholtzzentrum für Schwerionenforschung (ID 32)	15+5'
10:45	<b>Coffee Break</b>	
	<b>Chair: Mikhail Itkis</b>	
11:15	Recent developments in quasifission ** <b>David J. Hinde</b> , Australian National University, Canberra (ID 71)	35+5'
11:55	Priority experiments at the SHE Factory ** <b>Vladimir Utyonkov</b> , Joint Institute for Nuclear Reactions, Dubna (ID 19)	20+5'
12:20	Fusion Dynamics for Hot Fusion Reactions revealed in Quasielastic Barrier Distributions <b>Taiki Tanaka</b> , The Australian National University (ID 86)	15+5'
12:40	<b>Lunch break</b>	
	<b>Chair: Ephraim Eliav</b>	
14:30	Accurate isotope-shift computations for heavy open-shell elements ** <b>Stephan Fritzsche</b> , Helmholtz Institute Jena (ID 9)	35+5'
15:10	Relativistic couple cluster investigations of atomic properties of the heaviest elements ** <b>Anastasia Borschevsky</b> , University of Groningen (ID 115)	20+5'
15:35	High-precision calculations of ionization potentials, spectra, electromagnetic transition amplitudes and isotope shifts in No, Db, Sg, Bh, Hs, Mt and Og atoms <b>Bryce Lackenby</b> , University of New South Wales (ID 30)	15+5'
15:55	Calculation of isotope shifts in superheavy elements and search for nuclear island of stability <b>Anna Viatkina</b> , Johannes Gutenberg-Universität, Mainz (ID 31)	15+5'
16:15	Atomic and Chemical Properties of Lawrencium (Lr, Z = 103) and an Outlook to the Transactinides <b>Tetsuya K. Sato</b> , JAEA, Ibaraki University (ID 94)	15+5'
16:35	<b>Coffee Break</b>	
	<b>Chair: Anatoli Afanasjev</b>	
<b>17:05</b>	<b>Super heavy nuclei studied using heavy actinide targets and fast digital detection systems **</b> <b>Julie G. Ezold</b> , Oak Ridge National Laboratory (ID 114)	<b>20+5'</b>
17:30	Superheavy Studies at GANIL-SPIRAL2 <b>Julien Piot</b> , CNRS/GANIL (ID 88)	15+5'
17:50	The Status of SHANS <b>Zaiguo Gan</b> , Institute of Modern Physics, Chinese Academy of Sciences (ID 76)	15+5'
18:10	The recent history and near future for fast digital detection systems in super-heavy element research <b>Nathan T. Brewer</b> , ORNL, University of Tennessee Knoxville (ID 123)	15+5'
19:00	<b>Dinner</b>	

\*\* Invited talk

## TAN 19 - Program

<b>Thursday, 29 August 2019</b>		
Time	Title & Speaker	
	<b>Chair: Qin Zhi</b>	
08:45	Chemical studies of superheavy elements at a recoil separator, with a focus on Fl ** <b>Alexander Yakushev</b> , GSI Helmholtzzentrum für Schwerionenforschung (ID 39)	35+5'
09:25	Online studies with thallium and the prospects for a future chemistry experiment with nihonium ** <b>Patrick Steinegger</b> , Flerov Laboratory of Nuclear Reactions, JINR (ID 77)	20+5'
09:50	Establishment of the volatility trend in Group-5 Elements via gas-chromatographic experiments with Nb-, Ta-, and Db-oxychlorides <b>Nadine M. Chiera</b> , Paul Scherrer Institute (ID 15)	15+5'
10:10	Electronic structure, bonding and volatility of carbonyl compounds of Tc, Re, and Bh ** <b>Miroslav Ilias</b> , Matej Bel Univ., Banská Bystrica; GSI, Darmstadt (ID 45)	20+5'
10:35	<b>Coffee Break</b>	
	<b>Chair: Sergey Dmitriev</b>	
11:05	Experimental programs using $^{254}\text{Es}$ at the JAEA tandem facility ** <b>Katsuhisa Nishio</b> , Advanced Science Research Center, JAEA (ID 119)	35+5'
12:05	<b>Lunch box pick-up</b>	
12:30	Bus transfer to Bremen	
14:00	Free time in Bremen	60'
15:00	<b>City tour Bremen</b>	
16:00	Free time in Bremen	60'
17:00	<b>Organ concert Bremen cathedral</b>	
18:30	<b>Conference Dinner at Restaurant Canova/Bremen</b>	
21:30	Transfer to Bus	
22:00	Bus departure to Wilhelmshaven	

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## TAN 19 - Program

<b>Friday, 30 August 2019</b>		
Time	Title & Speaker	
	<b>Chair: Mark A. Stoyer</b>	
09:00	Nuclear Spectroscopy of Superheavy Nuclei ** <b>Dirk Rudolph</b> , Lund University (ID 99)	35+5'
09:40	The status of mass identification of superheavy elements with FIONA ** <b>Jennifer Pore</b> , Lawrence Berkeley National Laboratory (ID 111)	20+5'
10:05	Nuclear Spectroscopy along $^{287,289}\text{Fl}$ decay chains <b>Anton Sămark-Roth</b> , Lund University (ID 59)	15+5'
10:25	Spontaneous fission studies for neutron-rich Fm and Lr isotopes <b>Masato Asai</b> , Advanced Science Research Center, JAEA (ID 98)	15+5'
10:45	<b>Coffee Break</b>	
	<b>Chair: Andreas Türler</b>	
11:15	The complicated, challenging configuration structure of the 5g elements <b>Kenneth Dyall</b> , Schrodinger, Inc (ID 22)	15+5'
11:35	Optimization of Transactinide Carbonyl Complex Formation and Transport using Fission Products from Cf-252 <b>Yves Wittwer</b> , Paul Scherrer Institute (ID 43)	15+5'
11:55	Schiff Base Coordination Chemistry with Tetravalent Cations <b>Bonnie Klamm</b> , Florida State University (ID 89)	15+5'
12:15	The species identification of Mo, W, and Re carbonyl complexes with laser-ablation time-of-flight mass-spectrometry <b>Yang Wang</b> , RIKEN Nishina Center for Accelerator-Based Science (ID 74)	15+5'
12:35	Actinide-Targets produced with a Drop-on-Demand printing system <b>Dennis Renisch</b> , JGU Mainz / HIM (ID 29)	15+5'
12:55	<b>Closing</b>	20'
13:15	<b>Lunch</b>	
14:00	<b>Departure</b>	

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