

# TAN 99 Oral Contributions

ID	First Author / <i>Presenting Author</i>	Title of abstract
O-1*	Herrmann, Günter	The Superheavy-Element Rush – Reminiscences of a Participant
O-2*	Armbruster, Peter	Reminiscences from (1971-88)-Experiments
O-3*	Hofmann, Sigurd	<a href="#">Status and Perspectives of Superheavy-Element Research</a>
O-4*	Oganessian, Yuri Ts. / <i>Yeremin, Alexander</i>	<a href="#">Synthesis of Superheavy Elements with <math>^{48}\text{Ca}</math> and Lighter Ion Beams</a>
O-5	Oganessian, Yuri Ts. / <i>Wild, John</i>	The Synthesis of Superheavy Nuclei in the $^{48}\text{Ca} + ^{244}\text{Pu}$ Reaction
O-6	Ninov, Victor	Experimental Work at the Berkeley Gas-Filled Separator
O-7	Smolanczuk, Robert	Production and Decay Properties of Superheavy Nuclei
O-8*	Pyykkö, Pekka	<a href="#">Relativistic Effects in Heavy-Element Chemistry</a>
O-9*	Kratz, Jens-Volker	<a href="#">Transactinide Chemistry</a>
O-10*	Gregorich, Kenneth E.	<a href="#">Putting Transactinides in the Periodic Table: Aqueous Chemistry of the New d Elements</a>
O-11	Strub, Erik	Fluoride Complexation of Rutherfordium (Rf, Element 104)
O-12	Le Naour, Claire	Production of $^{262}\text{Db}$ in the Reaction $^{248}\text{Cm} (^{19}\text{F}, 5n)$ and Isolation of More than 60 Atoms in Dilute HF Medium
O-13	Quint, Wolfgang	The SHIPTRAP Project - A Capture and Storage Facility at GSI for Heavy Radionuclides from SHIP
O-14*	Türler, Andreas	<a href="#">Gas Phase Chemistry of the Transactinide Elements</a>
O-15	Zvara, Ivo	Interpretation of Gas Phase Chemistry Experiments with Transactinoids: Element 106, Heterogeneous Column Surface
O-16	Hübener, Siegfried	Physico-Chemical Characterization of Seaborgium as Oxide Hydroxide
O-17	Eichler, Robert	Gas Phase Chemistry of the Group 7 Homologues of Bohrium (Element 107)
O-18*	Berger, Jean-Francois	<a href="#">Nuclear Structure in the Heaviest Elements</a>
O-19*	Leino, Matti	<a href="#">Investigations of Nuclear Structure in the Heaviest Elements</a>
O-20	Reiter, Peter	Structure, Limits of Stability, Fission Barrier and Formation Mechanism of the Z=102 Isotope $^{254}\text{No}$
O-21*	Kaldor, Uzi	<a href="#">Theoretical Prediction of Properties of Heavy and Superheavy Atoms</a>
O-22*	Pershina, Valeria	<a href="#">Relativistic Quantum Chemistry: Progress in Transactinide Research</a>
O-23	Seth, Michael	High Level Quantum Chemical Calculations of the Properties of Elements 111 to 114
O-24	Hirata, Masaru	Electronic Structure of Tetravalent Zr, Hf and Rf Nitrates
O-25	Zhuikov, Boris L.	An Approach for Gas Chemistry of New Elements (IV Group as Example)
O-26	Schmidt, Karl-Heinz	New Results on the Role of Shell Effects in Nuclear Fission from Experiments with Secondary Beams
O-27	Nagame, Yuichiro	Fission Characteristics of Very Heavy Nuclides

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O-28*	<b>Abe, Yasuhisa</b>	<a href="#">Reaction Theories for Synthesis of Superheavy Elements</a>
O-29*	<b>Antonenko, Nikolai</b>	<a href="#">Fusion of Heavy Nuclei within Dinuclear System Concept</a>
O-30	<b>Cherepanov, Evgeni</b>	Production Cross Sections of Superheavy Elements for Cold and Hot Fusion Reactions
O-31	<b>Aritomo, Yoshihiro</b>	Fusion-Fission Dynamics for Synthesis of Superheavy Elements
O-32	<b>Gupta, Raj K.</b>	Cold Synthesis of Superheavy Elements Using $^{208}\text{Pb}$ , $^{48}\text{Ca}$ and Other Lighter Beams
O-33	<b>Mitsuoka, Shin-ichi</b>	Fusion of Deformed Nuclei in the Vicinity of the Coulomb Barriers
O-34	<b>Gäggeler, Heinz W. / Dressler, Rugard</b>	Production of Neutron Rich Isotopes in xn- and $\alpha$ xn- Reactions
O-35*	<b>Bender, Michael / Maruhn, Joachim</b>	<a href="#">Superheavy Nuclei in the Relativistic Mean-Field Theory</a>
O-36	<b>Patyk, Zygmunt</b>	Properties of Superheavy Nuclei Calculated within Macroscopic-Microscopic Approach
O-37	<b>Mouze, Geneviève</b>	Why Does $^{270}\text{Sg}$ Fission Symmetrically ?
O-38	<b>Mueller, Alex C.</b>	Perspectives of Intense Neutron-Rich Exotic Beams for Heavy Element Research

\* Invited Speaker