RAS Council of heavy-ion physics meeting on SHE research
26-27 October 2018, Dubna

Friday, October 26		
9^{30}–10^{00}	**Yu. Oganessian** **I. Izosimov**	Opening
	Beams	
10^{00}–10^{25}	**G. Gulbekian**	*Commissioning and development of the DC-280 cyclotron (SHE Factory)*
10^{25}–10^{45}	**S. Bogomolov**	*Future development of ion sources for research in SHE*
10^{45}–11^{00}	**B. Gall**	*How to get several particle-micro amperes of metallic beams on target with MIVOC method?*
11^{00}–11^{15}		discussion
Coffee break 15'		
	Targets	
11^{30}–11^{50}	**M. Onegin**	*High flux reactors for production of heavy actinides - new possibilities*
11^{50}–12^{10}	**J. Roberto**	*Actinide materials for the synthesis of heaviest nuclei*
12^{10}–12^{30}	**A. Tuzov**	*Transplutonium isotopes at SM-3 reactor (RIAR)*
12^{30}–12^{45}		discussion
	Separators	
12^{45}–13^{10}	**A. Popeko**	*Separators for SHE Factory*
13^{10}–13^{30}	**G. Münzenberg**	*Separators and detection systems for SHE research - challenges and perspectives*
13^{30}–13^{45}		discussion
Lunch 1h 15'		
	Synthesis	
15^{00}–15^{30}	**Yu. Oganessian**	Experiments with SHE Factory
15^{30}–15^{50}	**A. Karpov**	How to produce neutron-rich heavy nuclei?
	Chemistry	
15^{50}–16^{10}	**E. Eliav**	*Atomic physics at the edge of Periodic Table*
16^{10}–16^{30}	**R. Eichler**	*Status and prospects of gas phase chemistry with transactinides*
16^{30}–17^{00}		discussion
Coffee break 15'		
17^{15}–18^{30}		Visit of SHE Factory
18^{30}		**Reception**

Saturday, October 27		
Fission		
9^{30}–9^{55}	**E. Vardaci**	*Nuclear fission of SH isotopes (after Trento symposium)*
9^{55}–10^{15}	**J. Hamilton**	*Spontaneous Fission of SHE: A New Source of Insights into the Structure of Neutron-Rich Nuclei*
10^{15}–10^{30}		discussion
Properties & Spectroscopy		
10^{30}–10^{50}	**M. Block**	*Nuclear structure of the heaviest elements revealed by Penning trap mass measurements*
10^{50}–11^{10}	**K. Hauschild**	*Spectroscopic studies in decay of heaviest nuclei*
11^{10}–11^{20}		discussion
Search of SHE in nature		
11^{20}–11^{45}	**G. Ter-Akopian**	*Status of search for SHE in nature*
11^{45}–12^{05}	**F. Piquemal**	*Present and future of Modane Underground Laboratory*
12^{05}–12^{15}		closing discussion
Lunch, departure of participants		