Scientific Programme

The schedule of the meeting is as follows (30' talk = 20'+10'). The last discussion session each day is of 30' (except on Wednesday). To make Wednesday a bit more *relaxing*, only 2 long talks starting at 10am (60' = 40' + 20') are allocated in the morning, the afternoon will be free, and the social dinner will be in the evening.

Time	Speaker	Title / Topic
08:00pm	**Sunday - Pizza Dinner (Ristorante "Green Tower")**	
Monday - Day 1		
Chairman: Michael Block		
09:30am	Alexis Diaz-Torres (Surrey U, UK)	A taste of superheavy element research
10:00am	Christoph Düllmann (Mainz U & GSI, Germany)	Experimental chemical studies of the heaviest elements
10:30am	Coffee	
11:00am	Alexander Yakushev (GSI, Germany)	Recent achievements in superheavy element chemistry at GSI Darmstadt
11:30am	Katharina Hermainski (Mainz U & GSI, Germany)	Towards livermorium chemistry: Homologue studies with polonium
12:00pm	Anastasia Borschevsky (Groningen U, Netherlands)	High accuracy theoretical investigations of the heaviest elements
12:30pm	Francesca Giacoppo (GSI, Germany)	Mass measurements & laser spectroscopy of the heaviest nuclei
01:00pm	Lunch	
Chairman: Christoph Düllmann		
02:30pm	Welcome by the ECT* Director	
03:00pm	Elisabeth Rickert (Mainz U, Germany)	Laser spectroscopy of fermium isotopes: Weakening of shell effects in the heaviest nuclei
03:30pm	Coffee	
04:00pm	Michal Kowal (NCBJ, Poland)	A question of shape: A new mechanism governing the survival of superheavy nuclei
04:30pm	Discussion session	
Tuesday - Day 2		
Chairman: Sven Aberg		
09:30am	Tathagata Banerjee (Naples U & INFN, Italy)	Recent experimental fission studies of heavy nuclei
10:00am	Krzysztof Pomorski (NCBJ, Poland)	Pairing correlations in fissionning nuclei around scission
10:30am	Coffee	
11:00am	Janusz Skalski (NCBJ, Poland)	Fission of superheavy nuclei and its hindrance in odd systems and isomers
11:30am	Anatoli Afanasjev (Mississippi State U, USA)	Superheavy nuclei in covariant density functional theory: status and recent developments

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Time	Speaker	Title / Topic
12:00pm	Xiaotao He (Nanhang U, China)	Theoretical study of superheavy element structure
12:30pm	Dieter Ackermann (GANIL, France)	Nuclear structure features of the heaviest nuclei
01:00pm	Lunch	
Chairman: Michal Kowal		
02:30pm	Pavol Mosat (GSI, Germany)	Spectroscopy of superheavy nuclei at TASCA
03:00pm	Zsolt Podolyak (Surrey U, UK)	Structure of heavy neutron-rich nuclei: approaching the r-process path
03:30pm	Coffee	
04:00pm	David Boilley (Caen U & GANIL, France)	How well can we predict the synthesis cross-sections of superheavy elements?
04:30pm	Discussion session	
Wednesday - Day 3		
Chairman: Guillaume Scamps		
10:00am	Sophia Heinz (GSI, Justus-Liebig U & Philipps U, Germany)	Multinucleon transfer reactions forming the heaviest elements
11:00am	Coffee	
11:30am	Emanuele Vardaci (Naples U & INFN, Italy)	Exploring the Terra Incognita and the Super-Heavy Elements island by a kinematics method
12:30pm	Discussion session	
01:00pm	Lunch	
	Free Afternoon	
08:00pm	**Social Dinner (Ristorante "Due Mori")**	
Thursday - Day 4		
Chairman: Zsolt Podolyak		
09:30am	Julia Even (Groningen U, the Netherlands)	Exploring neutron-rich, exotic, heavy nuclei produced in multinucleon transfer reactions with NEXT
10:00am	Barbara Sulignano (CEA Saclay, France)	Multinucleon transfer reactions in collisions of two very heavy nuclei
10:30am	Coffee	
11:00am	Suzana Szilner (Ruder Boskovic Institute, Croacia)	Population of heavy neutron-rich nuclei in multinucleon transfer reactions
11:30am	Dandan Zhang (ITP-CAS, China)	Microscopic description of multinucleon transfer reactions
12:00pm	Nicholas Thomson (Surrey U, UK)	Describing multinucleon transfer reactions using quantum wave-packet dynamics

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Time	Speaker	Title / Topic
12:30pm	Guillaume Scamps (Laboratoire des 2 Infinis, Toulouse, France)	Mechanisms of angular momentum transfer in quasi-fission reactions
01:00pm	Lunch	
Chairman: Emanuele Vardaci		
02:30pm	Richard Gumbel (FRIB, USA)	Systematic application of density functional theory to quasi-fission in hot fusion reactions
03:00pm	Lu Guo (UCAS, Beijing, China)	Fusion dynamics and shell-driven reaction pathways toward superheavy nuclei: A TDDFT perspective
03:30pm	Coffee	
04:00pm	Kohju Sato (Kindai U, Japan)	Theoretical investigation of capture cross sections in the synthesis of superheavy elements
04:30pm	Discussion session	
Friday - Day 5		
Chairman: Alexis Diaz-Torres		
09:30am	Sven Åberg (Lund U, Sweden)	Formation of superheavy nuclei from a theoretical viewpoint
10:00am	Yannen Jaganathen (NCBJ, Poland)	Mass asymmetry impact on the fusion hindrance within 6-dimensional Langevin dynamics
10:30am	Coffee	
11:00am	Aleksander Augustyn (NCBJ, Poland)	Multi-dimensional framework for studying fusion & fission of the heaviest elements
11:30am	Yashihiro Aritomo (Kindai U, Japan)	Towards new element synthesis: A new fusion reaction mechanism driven by dynamic nuclear structure evolution
12:00pm	Kosuke Kawai (Kindai U, Japan)	Estimates for the production of new superheavy elements using a dynamical model
12:30pm	Discussion session	
01:00pm	Lunch & Farewells	