

IUPAP Conference "Heaviest nuclei and atoms"

Report of Contributions

Contribution ID: 58

Type: **not specified**

Opening

Tuesday 25 April 2023 15:00 (40 minutes)

Session Classification: Grand opening

Contribution ID: **62**

Type: **not specified**

Goals and tasks of the meeting

Tuesday 25 April 2023 15:40 (1 hour)

Presenter: OGANESSIAN, Yuri (JINR)

Session Classification: Grand opening

Contribution ID: **68**

Type: **not specified**

Closing of conference

Saturday 29 April 2023 11:10 (25 minutes)

Contribution ID: 69

Type: **not specified**

Selected problems in the description of the synthesis of superheavy nuclei

Wednesday 26 April 2023 09:00 (30 minutes)

Presenter: KOWAL, Michal (NCBJ)

Session Classification: Physics of SHE

Contribution ID: 70

Type: **not specified**

Nuclear reactions for synthesis of SHE

Wednesday 26 April 2023 09:30 (30 minutes)

Presenter: ITKIS, Mikhail (JINR)

Session Classification: Physics of SHE

Contribution ID: 71

Type: **not specified**

First experiments at the Superheavy Element Factory

Wednesday 26 April 2023 10:00 (30 minutes)

Presenter: KOVRIZHNYKH, Nikita (JINR)

Session Classification: Physics of SHE

Contribution ID: 72

Type: **not specified**

Interesting complete fusion reactions in superheavy region

Wednesday 26 April 2023 10:30 (20 minutes)

Presenter: ANTONENKO, Nikolay (JINR)

Session Classification: Physics of SHE

Contribution ID: 73

Type: **not specified**

On the way to neutron-enriched heaviest nuclei

Wednesday 26 April 2023 11:20 (30 minutes)

Presenter: KARPOV, Alexander (JINR)

Session Classification: Physics of SHE

Contribution ID: 74

Type: **not specified**

From fusion to multinucleon transfer reactions

Wednesday 26 April 2023 11:50 (20 minutes)

Presenter: KNYAZHEVA, Galina (JINR)

Session Classification: Physics of SHE

Contribution ID: 75

Type: **not specified**

Fusion suppression in reactions leading to the production of Superheavy Nuclei

Wednesday 26 April 2023 12:10 (20 minutes)

Presenter: SIWEK-WILCZYNSKA, Krystyna (University of Warsaw)

Session Classification: Physics of SHE

Contribution ID: 76

Type: **not specified**

Superheavies in space

Wednesday 26 April 2023 12:30 (30 minutes)

Presenter: APRAHAMIAN, Ani (University of Notre Dame)

Session Classification: Physics of SHE

Contribution ID: 77

Type: **not specified**

Vacuum decay in low-energy collisions of heavy ions

Wednesday 26 April 2023 14:30 (30 minutes)

Presenter: SHABAEV, Vladimir (SPBU)

Session Classification: Chemistry of SHE

Contribution ID: 78

Type: **not specified**

Benchmark atomic electronic structure calculations at the edge of Periodic Table.

Wednesday 26 April 2023 15:00 (30 minutes)

Presenter: ELIAV, Ephraim (Tel Aviv University)

Session Classification: Chemistry of SHE

Contribution ID: 79

Type: **not specified**

Chemical islands of stability

Wednesday 26 April 2023 15:30 (30 minutes)

Presenter: OGANOV, Artem (Skoltech)

Session Classification: Chemistry of SHE

Contribution ID: **80**

Type: **not specified**

Theoretical chemistry in support of experiment

Wednesday 26 April 2023 16:20 (30 minutes)

Presenter: PERSHINA, Valeria (GSI)

Session Classification: Chemistry of SHE

Contribution ID: **81**

Type: **not specified**

Superheavy Research in Switzerland

Wednesday 26 April 2023 16:50 (30 minutes)

Presenter: EICHLER, Robert (PSI)

Session Classification: Chemistry of SHE

Contribution ID: **82**

Type: **not specified**

Chemistry research at SHE Factory

Wednesday 26 April 2023 17:20 (20 minutes)

Presenter: AKSENOV, Nikolay (JINR)

Session Classification: Chemistry of SHE

Contribution ID: 83

Type: **not specified**

Molecular properties of monoxides, hydrides and oxyhydrides of superheavy elements

Wednesday 26 April 2023 17:40 (20 minutes)

Presenter: KOTOV, Artem (SPBU)

Session Classification: Chemistry of SHE

Contribution ID: **84**

Type: **not specified**

Mega-science challenges of the NICA project

Thursday 27 April 2023 09:20 (30 minutes)

Presenter: KEKELIDZE, Vladimir (JINR)

Session Classification: NICA

Contribution ID: **85**

Type: **not specified**

NICA accelerator complex

Thursday 27 April 2023 09:50 (30 minutes)

Presenter: BUTENKO, Andrey (JINR)

Session Classification: NICA

Contribution ID: **86**

Type: **not specified**

First results of BM@N

Thursday 27 April 2023 10:40 (20 minutes)

Presenter: MERTZ, Sergey (JINR)

Session Classification: NICA

Contribution ID: 87

Type: **not specified**

Cyclotron DC-280 of the SHE Factory

Thursday 27 April 2023 12:10 (30 minutes)

Presenter: SEMIN, Vasiliy (JINR)

Session Classification: NICA & Accelerator physics

Contribution ID: **88**

Type: **not specified**

Time-projection chamber for MPD

Thursday 27 April 2023 11:30 (20 minutes)

Presenter: VERESCHAGIN, Stepan (JINR)

Session Classification: NICA & Accelerator physics

Contribution ID: **90**

Type: **not specified**

Accelerator-based research at the southern tip of Africa

Thursday 27 April 2023 11:50 (20 minutes)

Presenter: WIEDEKING, Mathis (iThemba Labs)

Session Classification: NICA & Accelerator physics

Contribution ID: 91

Type: **not specified**

The role of fission in the search of the superheavy land: some case studies

Thursday 27 April 2023 15:00 (30 minutes)

Presenter: VARDACI, Emanuele (UNINA)

Session Classification: Properties of SHE

Contribution ID: 93

Type: **not specified**

Pre-scission approach to fragment masses: from super-symmetric to super-asymmetric fission

Thursday 27 April 2023 15:30 (20 minutes)

Presenter: CARJAN, Nicholae (JINR)

Session Classification: Properties of SHE

Contribution ID: 94

Type: **not specified**

Spectroscopy of heaviest nuclei at Dubna

Thursday 27 April 2023 14:30 (30 minutes)

Presenter: EREMIN, Alexander (JINR)

Session Classification: Properties of SHE

Contribution ID: 95

Type: **not specified**

Spontaneous fission characteristics of heaviest nuclei synthesized in FLNR

Thursday 27 April 2023 16:20 (20 minutes)

Presenter: SVIRIKHIN, Alexander (JINR)

Session Classification: Properties of SHE

Contribution ID: 96

Type: **not specified**

Memories of heavy element experiments in Dubna triggered by Yu.Ts. Oganessian

Tuesday 25 April 2023 16:40 (30 minutes)

Presenter: GÄGGELER, Heinz (PSI)

Session Classification: Grand opening

Contribution ID: 97

Type: **not specified**

Where is the magic mountain located on the island of stability?

Thursday 27 April 2023 16:40 (20 minutes)

Presenter: ADAMIAN, GURGEN (JINR)

Session Classification: Properties of SHE

Contribution ID: 98

Type: **not specified**

Fission barriers and fragment mass asymmetry in super-heavy nuclei

Thursday 27 April 2023 17:00 (20 minutes)

Presenter: WARDA, Michal (UMCS)

Session Classification: Properties of SHE

Contribution ID: 99

Type: **not specified**

Supercomputer Govorun

Saturday 29 April 2023 09:00 (30 minutes)

Presenter: KORENKOV, Vladimir (JINR)

Session Classification: Applied physics

Contribution ID: **100**

Type: **not specified**

Track etched membranes: state of the art and ongoing research at the Center of Applied Physics of FLNR

Saturday 29 April 2023 09:30 (20 minutes)

Presenter: NECHAEV, Alexander (JINR)

Session Classification: Applied physics

Contribution ID: **101**

Type: **not specified**

Applied research at NICA facility

Saturday 29 April 2023 09:50 (20 minutes)

Presenter: BELOV, Oleg (JINR)

Session Classification: Applied physics

Contribution ID: **103**

Type: **not specified**

Radiobiological effects of accelerated ultrashort electron beams

Saturday 29 April 2023 10:50 (20 minutes)

Presenter: AROUTIOUNIAN, Rouben (NAS RA, YSU, Candle)

Session Classification: Applied physics

Contribution ID: **104**

Type: **not specified**

Physical properties of composite thermoregulation coatings irradiated with high-energy particles

Saturday 29 April 2023 10:30 (20 minutes)

Presenter: ALEKSANYAN, Eduard (YerPhI)

Session Classification: Applied physics

Contribution ID: **105**

Type: **not specified**

SPD experiment

Thursday 27 April 2023 10:20 (20 minutes)

Presenter: GUSKOV, Alexey (JINR)

Session Classification: NICA

Contribution ID: **107**

Type: **not specified**

Development of electron accelerators for fundamental research and applied purposes at SINP MSU

Saturday 29 April 2023 10:10 (20 minutes)

Presenter: SHVEDUNOV, Vasiliy (SINP MSU)

Session Classification: Applied physics