

TASCA 21 - 18th Workshop on Recoil Separator for Superheavy Element Chemistry

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome

Monday, 21 June 2021 14:00 (10 minutes)

Presenter: GIUBELLINO, Paolo (FAIR / GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Contribution ID: 4

Type: **not specified**

Velocity filter SHELS at the U400 FLNR cyclotron: performance and experimental results.

Tuesday, 22 June 2021 14:30 (25 minutes)

20 min presentation + 5 min discussion time

Speaker: Karl Hauschild, IJCLab (standing in for Alexander Svirikhin)

Presenter: SVIRIKHIN, Alexander (Flerov Laboratory of Nuclear Reactions, Joint Institute for Nuclear Research)

Session Classification: Recent News from Physics; Instrumentation (Part 1)

Contribution ID: 5

Type: **not specified**

Recent development of GARIS facility for study on superheavy elements

Monday, 21 June 2021 14:10 (25 minutes)

20 min presentation + 5 min discussion time

Presenter: KAJI, Daiya (RIKEN)

Session Classification: News from Gas-Filled Recoil-Separator Laboratories (Part 1)

Contribution ID: 6

Type: **not specified**

Recent results of GARIS-II + MRTOF experiment

Monday, 21 June 2021 17:00 (20 minutes)

15 min presentation + 5 min discussion time

Presenter: NIWASE, Toshitaka (RIKEN Nishina Center)

Session Classification: News from Gas-Filled Recoil-Separator Laboratories (Part 2)

Contribution ID: 7

Type: **not specified**

Chemical studies of Nh (Z=113) and Mc (Z=115) at TASCA

Wednesday, 23 June 2021 15:55 (25 minutes)

20 min presentation + 5 min discussion time

Presenter: YAKUSHEV, Alexander (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Session Classification: Recent News from Chemistry; Targets (Part 2)

Contribution ID: 8

Type: **not specified**

High-precision mass spectrometry of ground states and low-lying isomers in heavy and superheavy nuclei with SHIPTRAP

Tuesday, 22 June 2021 14:55 (20 minutes)

15 min presentation + 5 min discussion time

Presenter: GIACOPPO, Francesca (GSI, Darmstadt)

Session Classification: Recent News from Physics; Instrumentation (Part 1)

Contribution ID: 9

Type: **not specified**

Spectroscopy of FI decay chains and plans for Lundium

Monday, 21 June 2021 15:00 (25 minutes)

20 min presentation + 5 min discussion time

Presenter: COX, Daniel (Lund Univ.)

Session Classification: News from Gas-Filled Recoil-Separator Laboratories (Part 1)

Contribution ID: 10

Type: **not specified**

Fission experiment using Es-254 target material at JAEA tandem accelerator facility

Tuesday, 22 June 2021 14:05 (25 minutes)

20 min presentation + 5 min discussion time

Presenter: HIROSE , Kentaro (JAEA)

Session Classification: Recent News from Physics; Instrumentation (Part 1)

Contribution ID: 11

Type: **not specified**

Functionalized surfaces and oxidation states of on-line produced thallium

Wednesday, 23 June 2021 16:20 (20 minutes)

15 min presentation + 5 min discussion time

Presenter: TERESHATOV, Evgeny (Texas A&M University)

Session Classification: Recent News from Chemistry; Targets (Part 2)

Contribution ID: 12

Type: **not specified**

Status of the cw-Linac project

Tuesday, 22 June 2021 16:40 (20 minutes)

15 min presentation + 5 min discussion time

Presenter: BARTH, Winfried (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Session Classification: Recent News from Physics; Instrumentation (Part 2)

Contribution ID: 13

Type: **not specified**

The isotope program at ORNL for targets for superheavy element research

Wednesday, 23 June 2021 16:40 (20 minutes)

15 min presentation + 5 min discussion time

Presenter: EZOLD, Julie (Oak Ridge National Laboratory)

Session Classification: Recent News from Chemistry; Targets (Part 2)

Contribution ID: 14

Type: **not specified**

Ion-Beam Induced Structural and Chemical Changes in Targets Used for Superheavy Element Production

Wednesday, 23 June 2021 17:20 (20 minutes)

15 min presentation + 5 min discussion time

Presenter: MEYER, Carl-Christian (JGU Mainz / HIM)

Session Classification: Recent News from Chemistry; Targets (Part 2)

Contribution ID: 15

Type: **not specified**

Direct coupling of liquid-phase chemical setups for heaviest element studies to a recoil separator

Wednesday, 23 June 2021 14:55 (20 minutes)

15 min presentation + 5 min discussion time

Presenter: KRUPP, Dominik (HS Mannheim)

Session Classification: Recent News from Chemistry; Targets (Part 1)

Contribution ID: 16

Type: **not specified**

Status and plans of chemical research with heaviest elements at PSI and FLNR

Wednesday, 23 June 2021 14:30 (25 minutes)

20 min presentation + 5 min discussion time

Presenter: STEINEGGER, Patrick (PSI)

Session Classification: Recent News from Chemistry; Targets (Part 1)

Contribution ID: 17

Type: **not specified**

Recent spectroscopic studies in the actinide region using MARA and RITU separators

Monday, 21 June 2021 17:20 (20 minutes)

15 min presentation + 5 min discussion time

Presenter: AURANEN, Kalle (JYFL)

Session Classification: News from Gas-Filled Recoil-Separator Laboratories (Part 2)

Contribution ID: **18**

Type: **not specified**

JYFL-ACCLAB, in-flight separators MARA and RITU, status and prospects

Monday, 21 June 2021 14:35 (25 minutes)

20 min presentation + 5 min discussion time

Presenters: SARÉN, Jan (University of Jyväskylä); UUSITALO, Juha (University of Jyväskylä)

Session Classification: News from Gas-Filled Recoil-Separator Laboratories (Part 1)

Contribution ID: 19

Type: **not specified**

New uranium isotope discovered at SHANS and CAFE2 project in Lanzhou

Monday, 21 June 2021 15:25 (25 minutes)

20 min presentation + 5 min discussion time

Presenter: ZHANG, Zhiyuan (Institute of Modern Physics, Chinese Academy of Sciences)

Session Classification: News from Gas-Filled Recoil-Separator Laboratories (Part 1)

Contribution ID: 20

Type: **not specified**

Laser Spectroscopic Investigation of the heaviest actinides at GSI

Tuesday, 22 June 2021 15:15 (20 minutes)

15 min presentation + 5 min discussion time

Presenter: CHHETRI, Premaditya (GSI / HIM)

Session Classification: Recent News from Physics; Instrumentation (Part 1)

Contribution ID: 21

Type: **not specified**

Recent Results from the BGS/FIONA at LBNL

Monday, 21 June 2021 16:10 (25 minutes)

20 min presentation + 5 min discussion time

Presenter: PORE, Jennifer (Lawrence Berkeley National Laboratory)

Session Classification: News from Gas-Filled Recoil-Separator Laboratories (Part 2)

Contribution ID: 22

Type: **not specified**

Spectroscopy of Trans-fermium Nuclei with the Argonne Gas-Filled Analyzer

Monday, 21 June 2021 16:35 (25 minutes)

20 min presentation + 5 min discussion time

Presenter: SEWERYNIAK, Dariusz (ANL)

Session Classification: News from Gas-Filled Recoil-Separator Laboratories (Part 2)

Contribution ID: 23

Type: **not specified**

Reactions in the Gas-Phase and Adsorption Properties of Elements Cn and Heavier

Wednesday, 23 June 2021 14:05 (25 minutes)

20 min presentation + 5 min discussion time

Presenter: ILIAŠ, Miroslav (Helmholtz Institute Mainz / Matej Bel University, Banská Bystrica)

Session Classification: Recent News from Chemistry; Targets (Part 1)

Contribution ID: 24

Type: **not specified**

Survivability of compound nuclei at extreme conditions

Tuesday, 22 June 2021 15:55 (25 minutes)

20 min presentation + 5 min discussion time

Presenter: KHUYAGBAATAR, Jadambaa (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Session Classification: Recent News from Physics; Instrumentation (Part 2)

Contribution ID: 25

Type: **not specified**

Off-line single-atom gas chromatographic adsorption studies of lead and bismuth

Wednesday, 23 June 2021 15:15 (20 minutes)

15 min presentation + 5 min discussion time

Presenter: DIETZEL, Dominik (Johannes Gutenberg Univ. Mainz)

Session Classification: Recent News from Chemistry; Targets (Part 1)

Contribution ID: 27

Type: **not specified**

Decay studies of neutron deficient mendelevium isotopes

Tuesday, 22 June 2021 16:20 (20 minutes)

15 min presentation + 5 min discussion time

Presenter: HESSBERGER, Fritz-Peter (GSI, Darmstadt)

Session Classification: Recent News from Physics; Instrumentation (Part 2)

Contribution ID: 28

Type: **not specified**

Key aspects for the production of the ideal actinide target for the production of superheavy elements

Wednesday, 23 June 2021 17:00 (20 minutes)

15 min presentation + 5 min discussion time

Presenter: DÜLLMANN, Christoph (Univ. Mainz / GSI / HIM)

Session Classification: Recent News from Chemistry; Targets (Part 2)

Contribution ID: **30**

Type: **not specified**

Welcome

Wednesday, 23 June 2021 14:00 (5 minutes)

Contribution ID: **31**

Type: **not specified**

Welcome

Tuesday, 22 June 2021 14:00 (5 minutes)

Contribution ID: 32

Type: **not specified**

MARGE – New Modular Robotic Gas-Jet Target System for the chemistry of SHE homologues studies

Tuesday, 22 June 2021 17:00 (20 minutes)

15 min presentation + 5 min discussion time

Presenter: BARTL, Pavel (Department of Nuclear Chemistry, CTU in Prague)

Session Classification: Recent News from Physics; Instrumentation (Part 2)