

Super-FRS EC Meeting May 27 – 29

Wednesday May 27. Plenary I (14:00-15:30) FAIR news and discussions

- 14:00-14:05 Nasser Kalantar
Welcome and opening
- 14:05-14:30 Inti Lehman
FAIR news
- 14:30-14:50 Zsolt Podolyak
NUSTAR news
- 14:50-15:10 Helena Albers
NUSTAR Technical news
- 15:10-15:30 Daniel Severin
Available beams in 2027 and 2028

Coffee Break 15:30-16:00

Wednesday May 27. Plenary II (16:00-18:00) Collaboration news (Scientific and Technical)

- 16:00-16:15 Nasser Kalantar
News from the collaboration
- 16:15-16:35 Timo Dickel
Science and Publication Board
- 16:35-17:00 Meetika Narang
S526 and G-22-00056 (Mass measurements at the N=Z line and their impact on nuclear structure)
- 17:00-17:15 Elias Eisenschmidt
Microcalorimeters for the FRS and SFRS – Status and Perspectives
- 17:15-17:30 Yoshiki Tanaka
Status of ASuCA and installation procedure (at FRS)
- 17:30-18:00 Alexander Botvina
Many-body processes leading to the production of nuclei and hypernuclei in heavy-ion collisions

Dinner (Hotel zum Löwen) 18:30-20:00

Thursday May 28. Plenary III (9:00-10:35) New Results/Past Experiments

- 9:00-9:20 Yoshiki Tanaka
Results from S490 experiment
- 9:20-9:40 Jianwei Zhao (online)
S530 and G-22-00182
- 9:40-10:00 Olga Polak (online)
Study of fission isomer in ^{242}Am at IGISOL
- 10:00-10:20 Xiaodong Xu (online)
Deep excursion beyond the proton drip line: recent studies of three-proton emitters demonstrating isospin symmetry breaking
- 10:20-10:35 Vratislav Chudoba
Status EXPERT

Coffee Break 10:35-11:00

Thursday May 28. Plenary IV (11:00-12:30) New Results/Past Experiments

- 11:00-11:20 Justus Eder
Status of the analysis of the G-22-00100 experiment
- 11:20-11:40 Emanuele Vardaci (online)
The TOSCA program at X6
- 11:40-12:00 Paul Constantin (online)
MNT program at the FRS Ion Catcher (report of S117+S179)
- 12:00-12:20 Martin Bajzek + Sergey Belogurov
Status of analysis of the data taken during the S111-test and S111
- 12:20-12:30 Christine Hornung
News from the lanthanide evaluation

Lunch 12:30-14:00 (Technical Board meeting, closed)

Thursday May 28. Plenary V (14:00- 15:30) Light-ion Beam Program (2028)

- 14:00-14:20 Chiara Nociforo
Proposal for the Super-FRS commissioning with light ions
- 14:20-14:40 Kenta Itahashi
Next stages in mesic nuclei spectroscopy
- 14:40-15:00 Soumya Bagchi
A systematic study of charge-changing cross sections with varying incident beam energies
- 15:00-15:15 José Luis Rodríguez Sánchez (online)
Excitation of Delta and Roper resonances in the nuclear medium
- 15:15-15:30 Saskia Kraft-Bermuth
Test of microcalorimeter with carbon beam

Coffee Break 15:30-16:00

Thursday May 28. (16:00-18:00) Collaboration Board Meeting

- 16:00-18:00 Representatives of institutes (see email of Christoph Scheidenberger)

Collaboration Dinner (Hotel zum Löwen) 18:30-21:00

Friday May 29. Plenary VI (9:00-10:35) Light-ion Beam Program (2028)

- 9:00-9:20 Isao Tanihata (online)
Plans for tensor-force studies at FRS using proton & carbon beams
- 9:20-9:50 Take Saito (online)
Hypernuclear physics program and beyond at FRS/Super-FRS
- 9:50-10:10 Ivan Mukha
Charge-pickup and double charge-exchange reactions studied with a ^{12}C beam
- 10:10-10:25 Christoph Scheidenberger
Results from and future plans for tests of a Cherenkov detector for the identification of exotic nuclei via time-of-flight measurement
- 10:25-10:35 Yoshiki Tanaka
Beam-energy calibrations

Coffee Break 10:35-11:00

Friday May 29. Plenary VII (11:00-12:30) Move to Super-FRS

- 11:00-11:15 Helena Albers
Technical details regarding Super-FRS EC
- 11:15-11:35 Daler Amanbayev
Status of the Super-FRS Ion Catcher and its experimental plans
- 11:35-12:00 Frank Wienholz
Liquid Hydrogen Target at Super-FRS
- 12:00-12:15 Everyone
How to organize the move?
- 12:15-12:30 Victor Varentsov
Proposal for applying the novel gas-dynamic ion-beam extraction and bunching technique to the cryogenic stopping cells at FAIR

Lunch 12:30-14:00

END of the Meeting