



# Annual Swedish Nuclear Physics and SFAIR meeting 2025

## Tuesday 28 October 2025

### Session - Vasa A (13:30 - 14:50)

-Conveners: Andreas Ekström

| time  | [id] title                                                                  | presenter             |
|-------|-----------------------------------------------------------------------------|-----------------------|
| 13:30 | [18] Nuclear dynamics from an ab initio time-dependent approach             | Dr BONAITI, Francesca |
| 14:25 | [5] Capturing Many-Body Correlations within the Nuclear Ab initio Framework | SCALESI, Alberto      |

### Session - Vasa A (15:20 - 17:05)

-Conveners: Andreas Ekström

| time  | [id] title                                                           | presenter           |
|-------|----------------------------------------------------------------------|---------------------|
| 15:20 | [4] Response function reconstruction via Chebyshev expansions        | REIS, Immo          |
| 15:45 | [6] Experiments on light-ion production in neutron-induced reactions | Mr DE ARRUDA, Lucas |
| 16:10 | [10] Beta-delayed two-proton spectroscopy at FRIB                    | JENSEN, Erik        |
| 16:35 | [13] Deuteron Evaporation from N=Z Compound Nuclei                   | HRABAR, Yuliia      |

# Wednesday 29 October 2025

## Session - Vasa A (09:00 - 10:20)

-Conveners: Karin Schönning

| time  | [id] title                                                                                    | presenter             |
|-------|-----------------------------------------------------------------------------------------------|-----------------------|
| 09:00 | [20] What about Nuclear Data (ND) in a Nuclear Physics Meeting? The Nuclear Data Life Cycle   | Prof. CABELLOS, Oscar |
| 09:55 | [8] Commissioning tests of the Advanced Radwaste Characterisation (ARC) scanner system at KTH | ESCUDEIRO, Rafael     |

## Session - Vasa A (10:50 - 12:10)

-Conveners: Karin Schönning

| time  | [id] title                                                                                                         | presenter          |
|-------|--------------------------------------------------------------------------------------------------------------------|--------------------|
| 10:50 | [14] A simulation approach to evaluating the minimum detectable activity of coincidence gamma-ray spectrometers    | ARNQVIST, Elias    |
| 11:15 | [9] Entanglement and accidental symmetries in the nucleon-nucleon system                                           | CAVALLIN, Alma     |
| 11:40 | [16] Correlated effective field theory truncation errors: from neutron-proton scattering amplitudes to observables | ABRAHAMSSON, Lucas |

## Session - Vasa A (13:30 - 14:50)

-Conveners: Dirk Rudolph

| time  | [id] title                                                     | presenter           |
|-------|----------------------------------------------------------------|---------------------|
| 13:30 | [22] QCD studies with the Belle II experiment                  | Dr TAMPONI, Umberto |
| 14:25 | [7] Charm Physics at Belle II: Opportunities and Recent Result | LAURENZA, Martina   |

## Session - Vasa A (15:15 - 16:10)

-Conveners: Dirk Rudolph

| time  | [id] title                                                                                                                             | presenter           |
|-------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 15:15 | [15] Investigating double-hyperon systems using HADES and CBM: Insights into $\Lambda$ - $\Lambda$ interactions and neutron star cores | APPAGERE, Gandharva |
| 15:40 | [12] From Protons to Photons: Strangeness Production with ALICE at the LHC                                                             | NEPEIVODA, Roman    |

# Thursday 30 October 2025

## Session - Vasa A (09:00 - 10:20)

-Conveners: Per-Erik Tegner

| time  | [id] title                                                 | presenter             |
|-------|------------------------------------------------------------|-----------------------|
| 09:00 | [21] Current status and future prospects of FAIR           | Prof. NILSSON, Thomas |
| 09:55 | [3] Isomeric yield ratio measurements for fission dynamics | POMP, Stephan         |

## Session - Vasa A (10:50 - 12:50)

-Conveners: Per-Erik Tegner

| time  | [id] title                                                                             | presenter                |
|-------|----------------------------------------------------------------------------------------|--------------------------|
| 10:50 | [2] Transfer-induced fission at the ISOLDE Solenoidal Spectrometer                     | MANAGLIA, Maria Vittoria |
| 11:15 | [11] Free-running MDPP-32 integration at ISS                                           | JOHANSSON, Håkan T       |
| 11:40 | [1] Dalitz Plot Analysis of charmless $B \rightarrow \pi \pi$ Meson Decays at Belle II | REIF, Markus             |
| 12:05 | [24] Belle II Tracking, and Optimisation                                               | AKRAM, Adeel             |