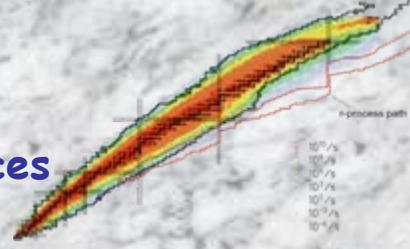
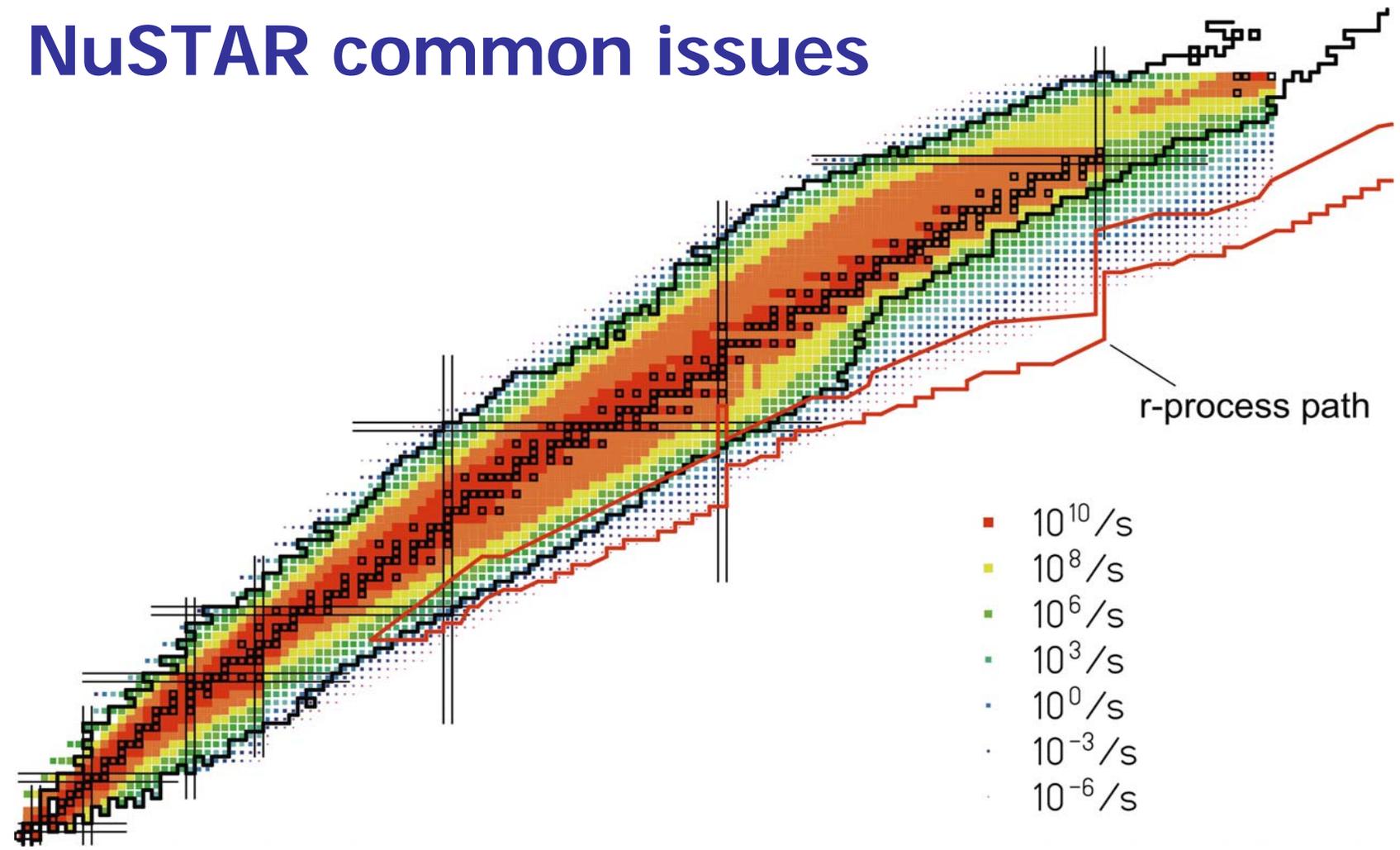




Thomas Nilsson
Chalmers/The Royal Swedish Academy of Sciences



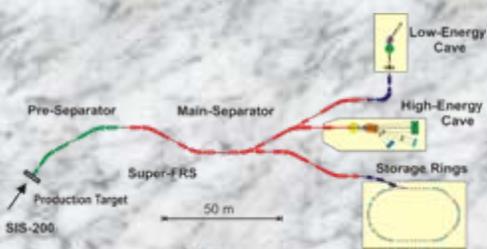
NuSTAR common issues



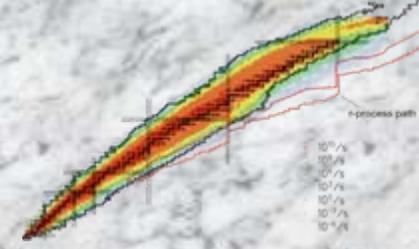


Common Working Groups

- Intra-NuSTAR
 - Simulations (M. Labiche)
- Common with SPIRAL-2 community
 - Calorimeters (D. Cortina/J.-A. Scarpaci)
 - DAQ and FEE (H. Simon/P. Roussel-Chomaz)
 - Si-detectors (O. Kiselev/E. Pollacco)
 - Low-energy neutron detectors
 - Low-energy tracking
- *AGATA*



Common MoU



DRAFT

22.06.2006

Memorandum of Understanding

For the FAIR projects of the Nuclear Structure, Astrophysics, and Reactions (NuSTAR) Collaboration

between

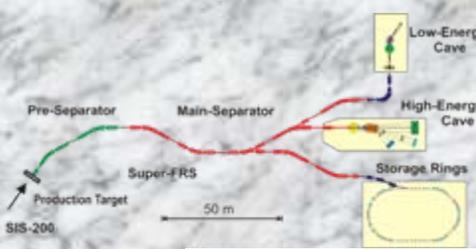
The Facility for Antiproton and Ion Research, hereinafter referred to as FAIR, Darmstadt,
as the Host Laboratory on the one hand,

and

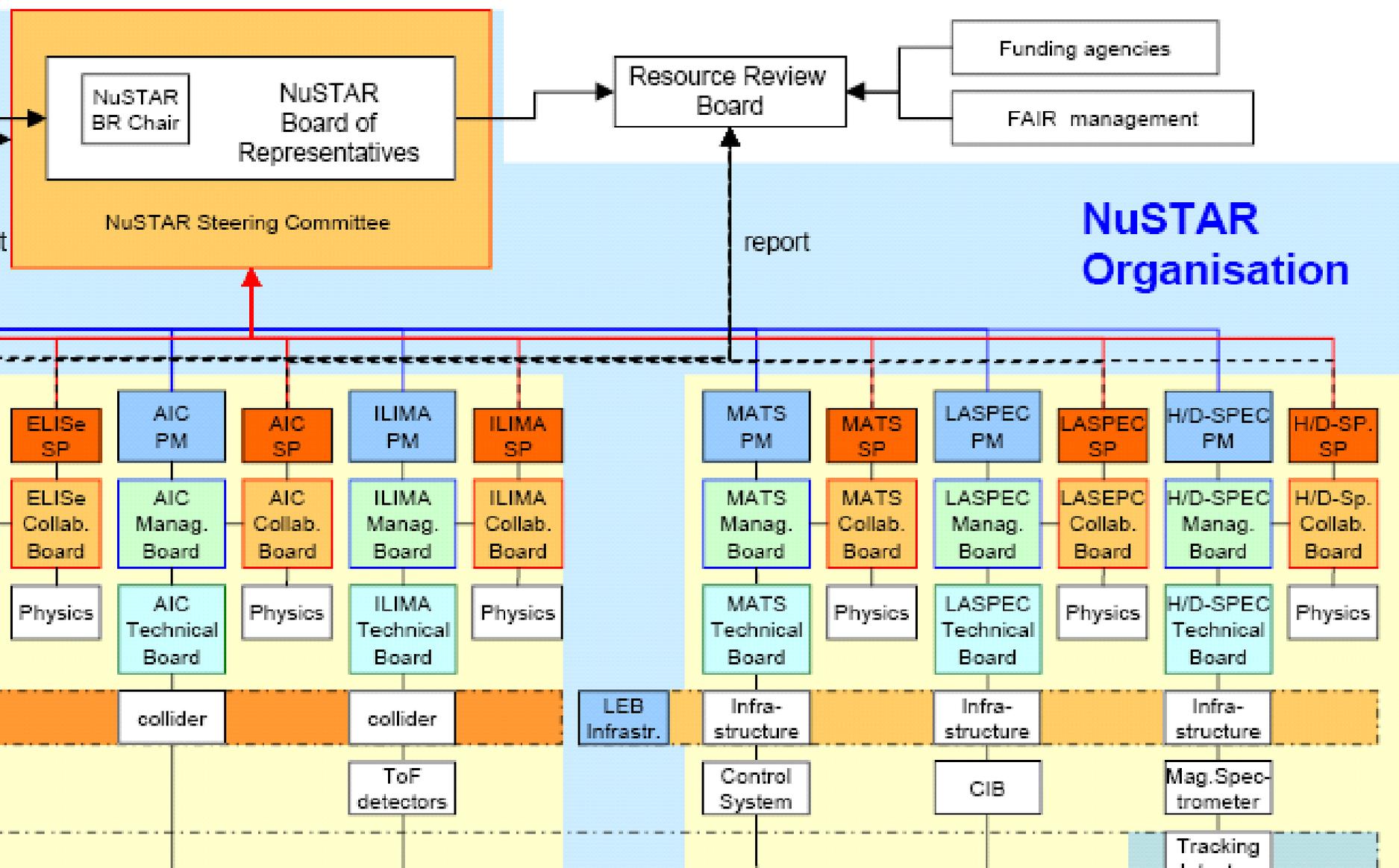
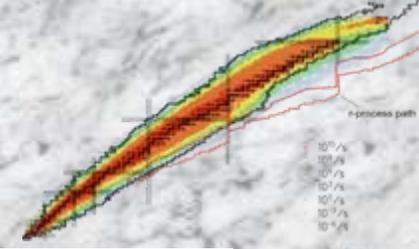
an Institute of the NuSTAR Collaboration, on the other hand.

Preamble

- (a) A group of Institutes from FAIR Member and non-Member States as well as FAIR, has agreed to collaborate to form the NuSTAR Collaboration (**Annex 1**). This Collaboration has proposed to FAIR several experiments to study fundamental aspects of *nuclear structure physics, nuclear astrophysics, and nuclear reaction physics*. For each experiment, sub-collaborations have been formed (**Annex 3**) which have submitted individual proposals to FAIR describing in detail the physics



NuSTAR organisation





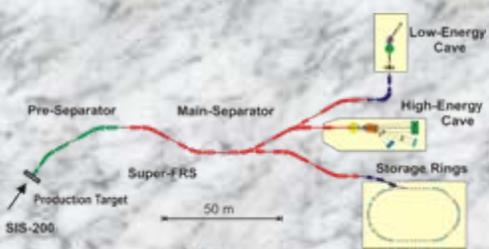
NuSTAR Management Board

- Participation
 - WG Conveners
 - Project Managers/Spokespersons/Tech. Board Chairs
 - Accelerator/Super-FRS/Ring experts
 - BR members
 - ...

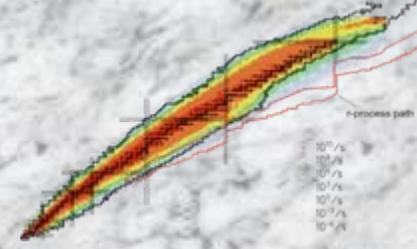


MB mandate

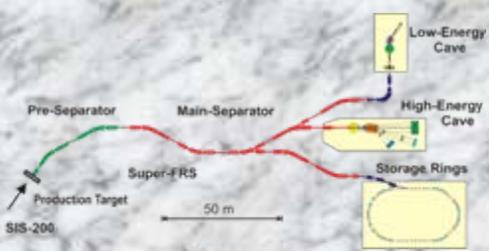
- Consider technical issues
 - Integration of experiments wrt. beam properties
 - Common instrumentation and infrastructure
 - Coordinated procurements/tests/R&D
 - Common WG – projects interaction
- Style
 - Short presentations, open (long) discussions
 - Technical details allowed (in contrast to NuSTAR SC)



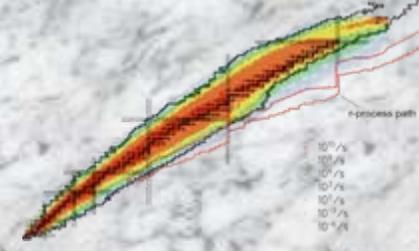
Agenda



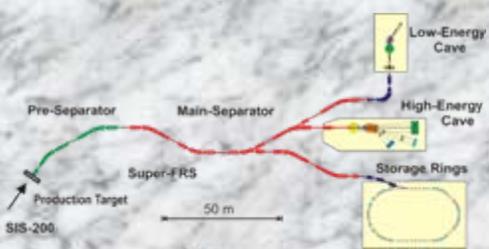
- Thu Sept 14 13 – 19 WG issues
 - Introduction, mandate of the Management Board
 - WG status:
 - Simulations
 - EDAQ
 - Silicon detectors
 - Calorimeter
 - (Low-energy neutron detectors)
 - Discussion on WG structure, further synergies with SPIRAL-2 etc.
 - Beam tracking WG
 - Relation of common WG efforts with the NuSTAR projects
 - AOB on WGs



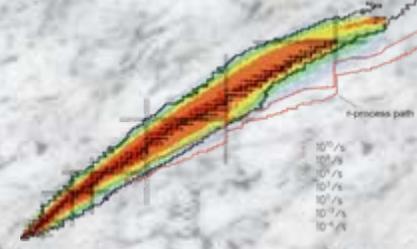
Agenda (cont.)



- Fri Sept 15 9-15(latest) FAIR-NuSTAR issues
 - SIS100/300
 - Storage rings
 - Super-FRS
 - LEB layout and buncher
 - Intra-NuSTAR project matters
 - Common instrumentation
 - Common R&D
 - Common procurements
 - ...
 - Further role and tasks of the MB
 - AOB



Topics for discussion



- NuSTAR structure
 - Common WG organisation
 - Dominated by this community!
 - Synergies?
 - MB
- MoU
- LEB changes
 - Buncher -> spectrometer
 - Complementary/competition w. R³B hi-res?
 - Two-day WS@GSI on LEB issues (Nov. 23-24)