

**News from the
FAIR Control System under Development**
“Poster in Pills” Presentation

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What is FAIR?

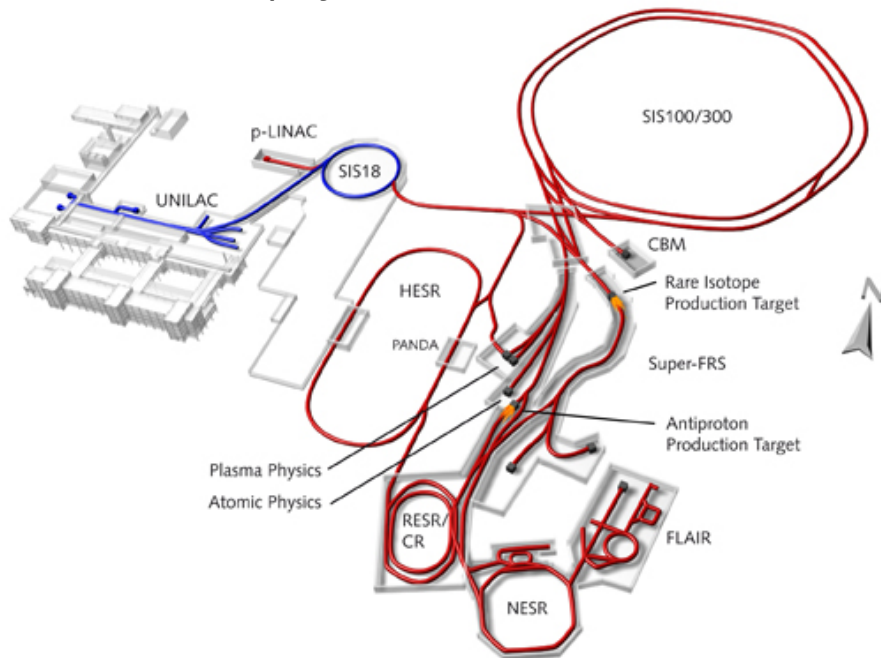


Facility for Antiproton and Ion Research at GSI

- Major extension to the present GSI complex
- Presently under construction (to be completed 2019)
- International project, about 1.5 B€ investment



Present GSI in Darmstadt (without FAIR)



Some FAIR key features

- Superconducting double-ring accelerator (SIS-100/300) heavy-ion synchrotron, 1100 meter circumference
- Complex system of cooler and storage rings, about 3,5 km of beam lines
- Production of high intensity secondary beams: Antiprotons and exotic nuclei (RIBs)

FAIR Poster Presentations (today)

FAIR Overview Poster

- General overview of the FAIR project
- Challenges to Controls, Control system architecture
- Highlight some development / central building blocks

WPO004

Development of the Front-End Framework (S. Matthies) „FESA3 Integration in GSI for FAIR“

WPO006

Front-End Software Integration (M. Wiebel)

„An Extensible Equipment Control Library for Hardware Interfacing...“

WPO008

Setting Management System (H. Hüther)

„Progress and Challenges during the Development of the Settings Management for FAIR“

WPO005

Industrial Controls: Cryogenic Control (D. Sanchez) „The FAIR R3B Prototype Cryogenics Control System“

WPO007

More presentations on Friday (Timing, Hardware)

FAIR Outlook



How FAIR should look in 2020
(for latest view of the construction area see Poster)