



# FAIR Operation Modes

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EDMS Link:

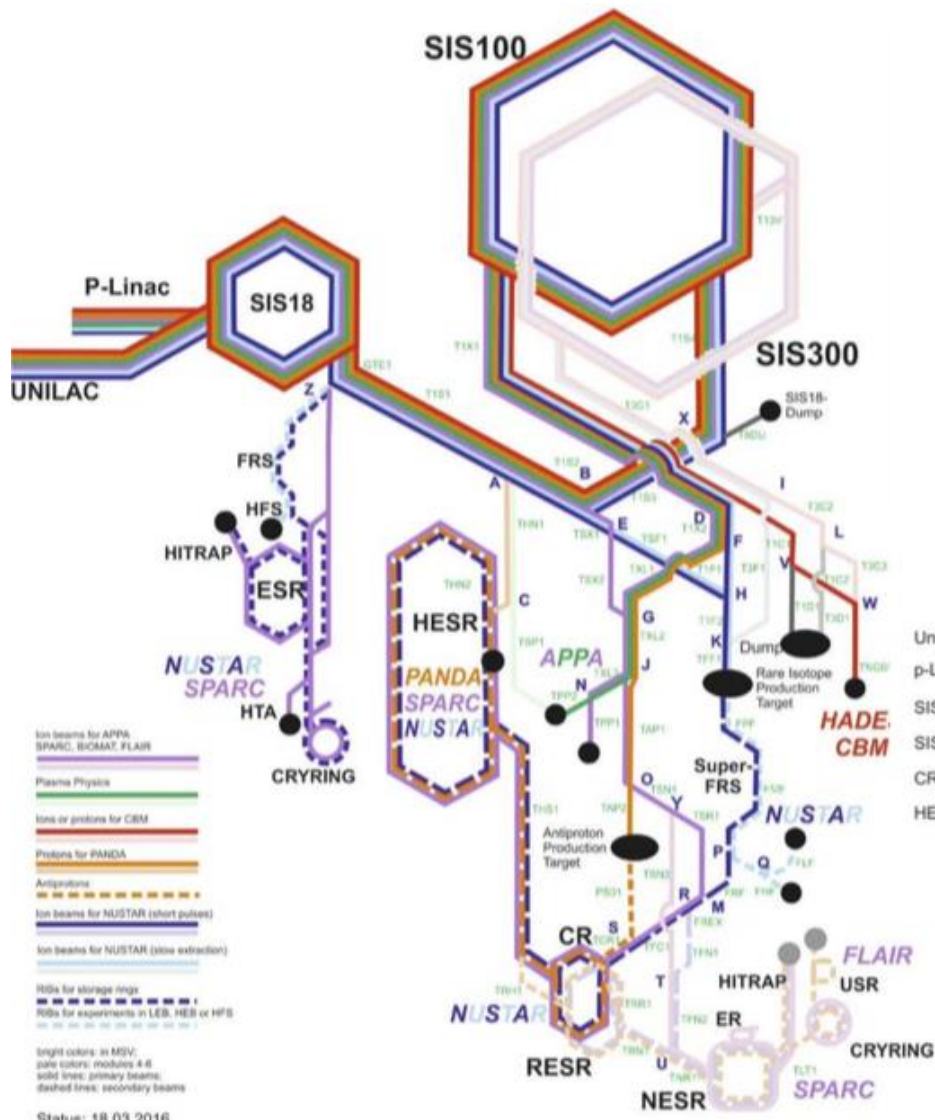
<https://edms.cern.ch/document/1606986/3>

Under Approval: 12/14

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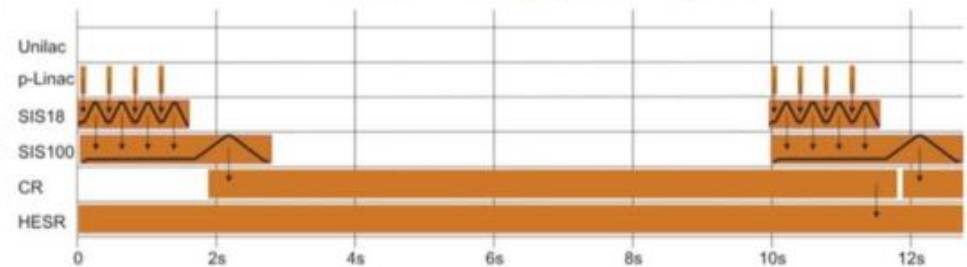
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# FAIR Operation Modes (April 2016)



Revision

Reference p/pbar cycle



Contains beam parameters after commissioning (stage B) agreed with experiments.

see FAIR EDMS

## Change history:

Version	Date	Name	Details
V1-0	November 2012	P. Schütt	First Version for Review
V1-1	January 2013	P. Schütt	HESR-Acronym corrected
V1-2			Comments from V.R.W. Schaa, M.Steck etc., Ions in HESR, shorter Spills for CBM, Au for CBM, update of U-Bahn-Drawing, update of Table 2-1 (beam production chains)
V2-0	October 2013	O. Geithner, P. Fork, P. Schütt	Merging with Technical Concept, Beam parameter requirements from experiments
V3-0	October 2015	O. Geithner, P. Schütt	Update of the beam parameter requirements according to the HIC4FAIR Workshop (Hamburg, 2015). Removal of the production chains Input from R Steinhagen: update of the concept for parallel operation Feedback of all FAIR experiment Communities is included
V4-0	2019	S. Appel + O. Boine- Frankenheim	Revision for EDMS release

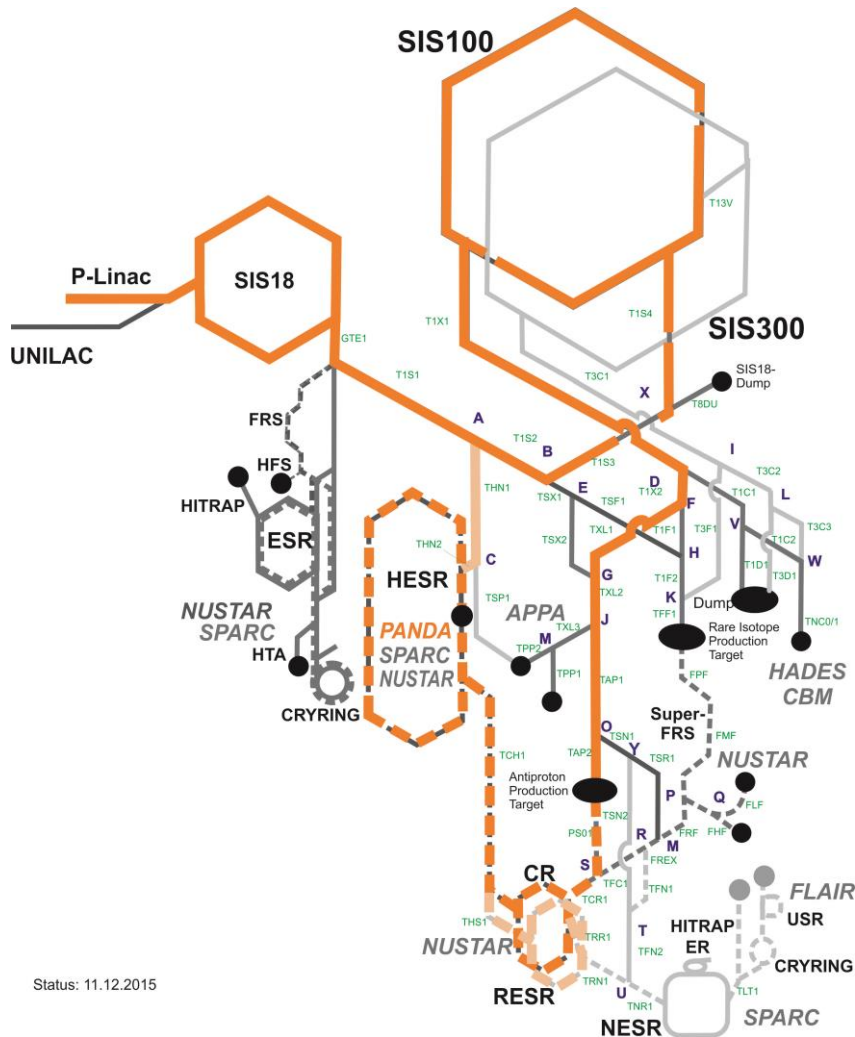
V3-0 can be found under <https://edms.cern.ch/document/1688183/1>

- Introduction
- Antiproton Beams
  - APPA
  - CBM/HADES
  - NUSTAR
- Parallel Operation
- Open Topics

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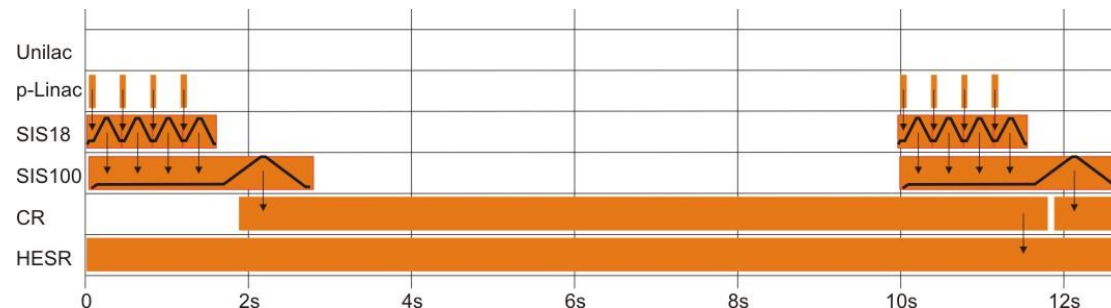
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# Example: Antiproton Beams



Status: 11.12.2015

- Short description of experiment aim
- Detailed description of beam chain (per experiments)
- Beam parameters for Commissioning + MSV
- Future Options (after MSV)



- Additional topics
  - Add detailed description of commissioning
  - Different possible commission scenarios
    - Proposal: Separated commission document
  
- Open (not up-to-date) topics
  - Ion source status
  - Spill structure
  - APPA cave and stripper
  - Gamma\_t-jump (Proton)
  - Beam line SIS18->HESR