

# FAIR AT GSI

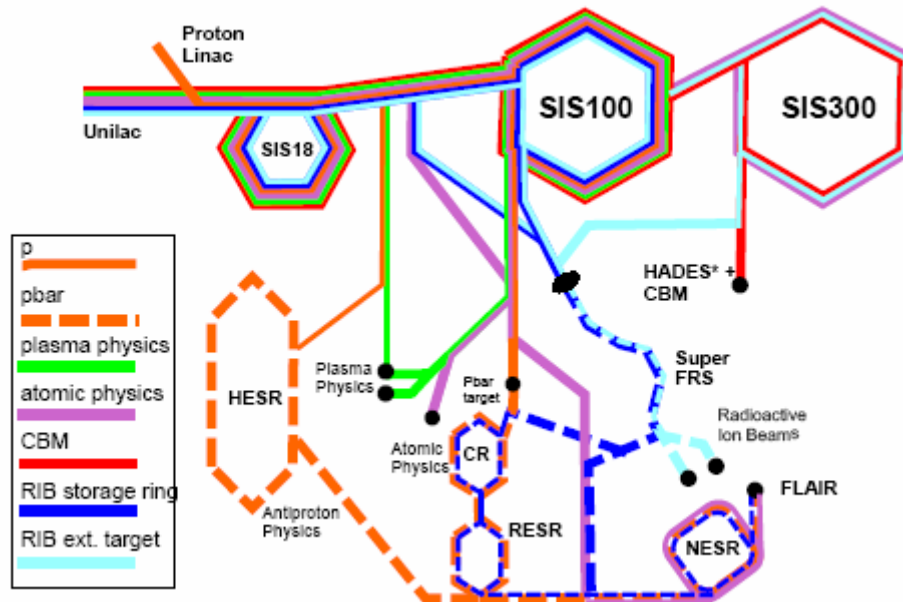
P. Spiller

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## **Abstract**

Based on the experience of the existing GSI facility and with the aim to apply new technical concepts in phase space cooling and fast ramping of superconducting magnets, an international Facility for Antiproton and Ion Research FAIR has been proposed in 2001.

The basic ideas and unprecedented possibilities offered by FAIR have been described in the Conceptual Design Report (CDR) [1]. In March 2006 a Baseline Technical Report FBTR [2] has been produced to describe the concepts and the technical design of the different accelerator sections for the final layout of the FAIR facility. The properties of the described facility and the structure of the FBTR correspond to a detailed cost book.



*Schematics of the highly efficient parallel operation of the new facility.*