

Accelerator Performance in FAIR Phase 0

Tuesday, 12 November 2019 10:30 (1h 30m)

The Facility for Anti-Proton and Ion Research (FAIR) is presently under construction on the campus of the GSI Helmholtzzentrum für Schwerionenforschung GmbH at Darmstadt, Germany. It extends and partly supersedes the existing GSI accelerator complex. In 2018, the intermediate experimental program FAIR phase 0 has been started, which offers beam time for experiments until the start of FAIR operation. FAIR Phase 0 exploits the GSI accelerators, which have been upgraded for the use as FAIR injectors. Additionally, it allows an early use of detectors, which have been developed for FAIR. However, the performance suffers from impacts of the construction work for FAIR as well as refurbishing work on buildings, building technology and legacy electronics.

The poster will give some insight, how these impacts show in the usual beam time statistics.

Primary author: SCHUETT, Petra (GSI Helmholtz Centre for Heavy Ion Research)

Co-author: GEITHNER, Oksana (GSI Helmholtz Centre for Heavy Ion Research)

Presenter: SCHUETT, Petra (GSI Helmholtz Centre for Heavy Ion Research)

Session Classification: Poster Session