

Status of the Vacuum Systems of the FAIR Accelerator Complex -

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The FAIR (Facility for Antiproton and Ion Research) accelerator complex is under construction at the GSI campus in Darmstadt in Germany. In the current realisation phase it consists of about 2km of beam vacuum system, where the vacuum requirements are different for almost all machines. While in the fast ramped SIS100 one has to deal with cryogenic and bakeable at room temperature operated sections with static vacuum pressure in the lower 10^{-12} mbar regime, the high energy beam transfer system has moderate vacuum requirements of 10^{-8} mbar. In the Super-FRS one has beside the moderate vacuum of 10^{-6} mbar to 10^{-8} mbar to cope with a high radiation area close to the target. With beginning of this year the projects entered a new phase as the first components are installed in the accelerator tunnel, while the civil construction and procurement of components is still ongoing. An update on the status of the vacuum system will be presented.

Summary

Primary author: KRAEMER, Andreas (GSI Helmholtzzentrum für Schwerionenforschung GmbH)

Co-authors: PONGRAC, Ivan (GSI Helmholtzzentrum für Schwerionenforschung GmbH); KURDAL, Joerg (GSI Helmholtzzentrum für Schwerionenforschung GmbH); URBAN, Lukas (GSI Helmholtzzentrum für Schwerionenforschung GmbH); BELLACHIOMA, Maria Cristina (GSI Helmholtzzentrum für Schwerionenforschung GmbH); KURICHIYANIL, Neeraj (GSI Helmholtzzentrum für Schwerionenforschung GmbH); SUHERMAN, Phe Man (GSI Helmholtzzentrum für Schwerionenforschung GmbH); WILFERT, Stefan (GSI Helmholtzzentrum für Schwerionenforschung GmbH); ZELLER, Stefan (GSI Helmholtzzentrum für Schwerionenforschung GmbH)

Presenter: KRAEMER, Andreas (GSI Helmholtzzentrum für Schwerionenforschung GmbH)

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