



Contribution ID: 24

Type: **not specified**

The SIS18 UHV-upgrade program for high ion beam intensity operation of medium charged heavy ions

Monday 11 April 2005 14:50 (5 minutes)

The SIS18 heavy ion synchrotron will operate as an injector for the GSI FAIR project. UHV instabilities were observed during high ion beam intensity operation limiting the ion beam lifetime of medium charged heavy ions (e.g. U28+). An intense upgrade of the existing UHV system was started including an experimental program on the desorption processes and measures to improve the residual gas composition and base pressure. The concept of the program and first results will be presented.

Author: Dr REICH-SPRENGER, Hartmut (Gesellschaft fuer Schwerionenforschung GSI)

Co-authors: Dr KRÄMER, Andreas (Gesellschaft fuer Schwerionenforschung GSI); Dr BELLACHIOMA, Cristina (Gesellschaft fuer Schwerionenforschung GSI); Dr KOLLMUS, Holger (Gesellschaft fuer Schwerionenforschung GSI); Mr KURDAL, Jörg (Gesellschaft fuer Schwerionenforschung GSI); Mr WELZEL, Knut (Gesellschaft fuer Schwerionenforschung GSI); Mr BEVCIC, Mario (Gesellschaft fuer Schwerionenforschung GSI); Mr BENDER, Markus (Gesellschaft fuer Schwerionenforschung GSI)

Presenter: Dr REICH-SPRENGER, Hartmut (Gesellschaft fuer Schwerionenforschung GSI)

Session Classification: SESSION 1

Track Classification: SESSION 1