

Status of the NEXT experiment

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The aim of the NEXT experiment in Groningen is the study of the decay properties and masses of Neutron rich EXotic heavy nuclei produced in multi-nucleon Transfer reactions. This type of reaction comes with the experimental challenge of a wide angular distribution of the reaction products. To overcome this challenge, the NEXT experiment uses a solenoid separator to separate and to focus the reaction products into the low energy beam line. In the low energy beam line the ions are cooled and bunched in preparation for mass measurements in a Multi-Reflection Time-of-Flight Mass Spectrometer. The NEXT experiment has been fully constructed and the preparation for the first beam on target experiments are ongoing. In this presentation an overview of the current status of the experiment will be given.

Primary author: WESTBROEK, Jasper (Rijksuniversiteit Groningen)

Co-authors: BLOCK, Michael (GSI Helmholtzzentrum für Schwerionenforschung, Helmholtz Institute Mainz, Johannes Gutenberg-University Mainz); BRAJKOVIĆ, Marko (University of Groningen, Ruđer Bošković Institute); CHEN, Xiangcheng (University of Groningen); CIPAGAUTA MORA, Jennifer Brigitte (University of Groningen); DAVIDS, Theodore (Rijksuniversiteit Groningen); EVEN, Julia (University of Groningen); FISCHER, Paul (University of Greifswald); HARTIGAN, Brian Drew (Rijksuniversiteit Groningen, Johannes Gutenberg-University Mainz); LANDSMAN, Niels (University of Jyväskylä); MCCARTER, Adam (University of Groningen); MOORREES, Nathanaël (University Medical Center Groningen); SARÉN, Jan (University of Jyväskylä); SCHWEIKHARD, Lutz (University of Greifswald); SCHLAICH, Moritz (Technical University Darmstadt); SOYLU, Arif (University of Groningen); SHAPIRO, Sidney (Rijksuniversiteit Groningen, University of British Columbia); UUSITALO, Juha (University of Jyväskylä); WIENHOLTZ, Frank (Technical University Darmstadt)

Presenter: WESTBROEK, Jasper (Rijksuniversiteit Groningen)

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