

Results from Transfer Reactions at REX-ISOLDE and future plans

Wednesday 8 February 2006 14:50 (20 minutes)

Transfer reactions yield important spectroscopic information about isotopes, including spin and parity assignments to nuclear levels and spectroscopic factors. The corresponding information is still lacking for many nuclei far from stability.

The results from transfer experiments with neutron rich Na and Mg isotopes in inverse kinematic with the MINIBALL setup at REX-ISOLDE will be presented, including a new level in ^{31}Mg . These results and the encountered difficulties with the existing setup will be discussed and plans for a new setup for transfer experiments with MINIBALL will be shown.

Author: BILDSTEIN, Vinzenz (Physik-Department E12, TU München)

Co-authors: SCHRIEDER, Gerhard (Institut für Kernphysik, TU Darmstadt); SCHEIT, Heiko (MPI für Kernphysik, Heidelberg); KRÜCKEN, Reiner (Physik-Department E12, TU München); NILSSON, Thomas (Institut für Kernphysik, TU Darmstadt); KRÖLL, Thorsten (Physik-Department E12, TU München)

Presenter: BILDSTEIN, Vinzenz (Physik-Department E12, TU München)

Session Classification: Nuclear Physics III