

MINIBALL Workshop and Users meeting

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Coulomb excitation of ^{26}Na with MINIBALL at REX-ISOLDE

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Excited states of ^{26}Na were the subject of a Coulomb excitation experiment at REX-ISOLDE employing a radioactive ^{26}Na beam with a final energy of 2.82 MeV/u. De-excitation gamma-rays were detected by the MINIBALL gamma-spectrometer in coincidence with scattered particles in a CD-shaped segmented Si-detector. Reduced transition matrix-elements for the excited states of ^{26}Na at 233 keV and 407 keV were determined for the first time. The obtained values are compared to theoretical predictions from updated shell model calculations using USDA/USDB interactions.

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Authors: BLAZHEV, Andrey Atanasov (Institut fur Kernphysik - Universitaet zu Koeln); SIEBECK, Burkhard (Universitaet zu Koeln (DE)); SEIDLITZ, Michael (Universitaet zu Koeln (DE)); Prof. REITER, Peter (University Cologne, Nuclear Physics Institut)

Co-authors: SOTTY, Christophe (CSNSM Centre de Spectrometrie Nucleaire et de Spectrometrie de); BAUER, Christopher (TU Darmstadt); SCHNEIDERS, David Wolfgang (Universitaet zu Koeln (DE)); VOULOT, Didier (CERN); RADECK, Fabian (Universitaet zu Koeln (DE)); WENANDER, Fredrik John Carl (CERN); DE WITTE, Hilde (Katholieke Universiteit Leuven (BE)); PAKARINEN, Janne (University of Jyvaskyla (FI)); SCHECK, Marcus (IKP TU Darmstadt); WARR, Nigel Victor (Universitaet zu Koeln (DE)); ALTENKIRCH, Richard (Universitaet zu Koeln (DE)); KROELL, Thorsten (Technische Universitaet Darmstadt (DE))

Presenter: SIEBECK, Burkhard (Universitaet zu Koeln (DE))

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