

Abstract Submitted
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Transition from collectivity to single-particle degrees of freedom from magnetic moment measurements in $^{82}_{38}\text{Sr}$ and $^{90}_{38}\text{Sr}$ ¹ GERFRIED J. KUMBARTZKI, NOEMIE BENCZER-KOLLER, ANDREW RATKIEWICZ, YITZHAK Y. SHARON, SAMANTHA RICE, SEAN BURCHER, Rutgers University, DIEGO A. TORRES, Universidad Nacional de Colombia, KARL-HEINZ SPELDEL, University Bonn, GULHAN GURDAL, Millsaps College, STEVEN D. PAIN, ORNL, MATTHEW MCCLESKEY, MIKE HENRY, ANTTI SAASTAMOINEN, ALEXANDRA SPIRIDON, MICHAEL SLATER, ANDREW CUDD, VLADIMIR ZHEREBCHEVSKII, SERGEY TORILOV, Texas A&M University — The g factors of excited states in the unstable isotopes ^{82}Sr and ^{90}Sr were measured by the transient field technique. Beams of ^{78}Kr and ^{86}Kr from the K500 cyclotron at Texas A&M University were accelerated to energies just above the Coulomb barrier on carbon to produce the strontium isotopes via an α particle pickup. We report on the α transfer reaction and on the simultaneous g factor measurements of the Coulomb-excited Kr isotopes.

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