Nuclear Structure Research at the Tandem Accelerator of the Maier Leibnitz Laboratory in Munich

Reiner Krücken^{1,2}

 ¹ Physik Department E12, Technische Universität München, D-85748 Garching, Germany
² Maier-Leibnitz-Laboratory for Nuclear and Particle Physics of the LMU and TU Munich, D-85748 Garching, Germany

Nuclear Structure Research at the Maier-Leibnitz-Laboratory (MLL) for Nuclear and Particle Physics of the LMU and TU Munich is centered on the Q3D magnetic spectrograph (Fig. 1) with its excellent sensitivity and energy resolution. A wide spectrum of few particle transfer studies is carried out at the Q3D and in recent years a number of important discoveries were achieved with this unique instrument.

Further nuclear structure studies at the MLL are concerned with electron conversion spectroscopy as well as g-factor measurements using the transient field technique. Also, a new set-up for precision mass measurements is under construction.

The presentation will provide an overview on the Nuclear Structure activities at the MLL Tandem accelerator.