Perspectives on SFB ANL/MSU program





Electromagnetic properties of light and medium mass nuclei



A01 @ ANL: Charge Radius of ¹¹B



Charge Radii of 8,10,11 B from NCSM (A02) \rightarrow benchmark



A03: Motivation Electromagnetic observables in open-shell nuclei



Key experiments on electromagnetic observables A02 A04



Ca-Ni Region @ NSCL













Outlook





Scandium Region
Scandium Z=21, N < 20, application</p>
Long term : ⁵⁶Ca





CARIBU "Cocktail"



All optical absolute charge radii of (Li), Be, B, C, (N)



Charge radii along the Cd Chain



TECHNISCHE UNIVERSITÄT DARMSTADT



M. Hammen et al., submitted to PRL



Recent Article ...



Outlook for CRC: Sc at MSU Absolute charge radii @ KOALA (TU Darmstadt)



Photo by B. Maas & F. Sommer

Optical Detection Region Bernhard Maas



Charge Exchange Cell Felix Sommer

