

## **Status report of experiment NP0811RIBF70R and NP1112-RIBF94**

*Thursday, 21 February 2013 10:20 (20 minutes)*

The coulomb excitation of  $^{104}\text{Sn}$  was measured in July 2012 at RIBF. At the same time, nuclear inelastic scattering from  $^{12}\text{C}$  and hydrogen has been undertaken, as well as neutron-removal cross section measurements.

These new data sets provide valuable information on open question of collectivity in light Tin isotopes. The cross section measurement should (i) give a better understanding on the role of indirect processes in the nucleon removal process, (ii) have a better control of cross section estimates, in particular to evaluate the feasibility of the first spectroscopy of  $^{100}\text{Sn}$  from in-beam gamma technique coupled to two-neutron removal.

In the presentation, preliminary results for both coulomb excitation and knockout measurements will be shown and discussed.

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