

March 22, 2011

Group: **JENSA**

The FRIB Science Advisory Committee met on 18-19 February and considered the equipment working group update that you submitted. Altogether sixteen working group reports were received, and each was rated on its scientific importance for the FRIB program and on its need for near term funding. In the opinion of the SAC “together the reports comprised a very exciting suite of capabilities for forefront physics both pre-FRIB and when FRIB comes on line”. At the meeting Thomas Glasmacher presented a status of FRIB and current plans. The SAC expressed satisfaction with these plans, which include efforts toward an early start of upgrading the reaccelerated beam capability to 6 MeV/u and above.

A report with the SAC ratings and overall comments was sent to the FRIB Laboratory Director, Konrad Gelbke, on March 1, 2011. This short comment is to provide you information and feedback on the SAC views related to your submission.

The SAC viewed the science addressed in your submission as having the highest scientific priority and this was communicated to the FRIB Laboratory Director. The SAC views the activity of your group as central to the FRIB mission and encourages your continued actions. The physics case presented in the update is for reactions of interest to nuclear astrophysics with protons or alpha particles. The SAC concurs that a gas jet target system is very important for the nuclear astrophysics mission of FRIB. The SAC also noted that the gas jet target system is a must for SECAR to realize its full potential.