

## FRIB-China Workshop Resolutions

The FRIB-China Workshop participants unanimously endorsed a set of resolutions. The adopted resolutions represent a first step towards a comprehensive plan to jointly address the compelling scientific opportunities in US and China in the study of atomic nuclei and their role in the Cosmos.

All Working Groups suggested that a coordinated collaborative framework, broader than the current institution-to-institution collaborations, is needed to capitalize on scientific opportunities. To this end, a coordinating committee is needed to identify the next steps and focus the efforts. Based on this, the first resolution was: **1. We endorse the establishment of a FRIB-China Task Force.**

The immediate tasks for the new Task Force could be:

- Carry out surveys of low-energy nuclear physics communities in US and China with respect to current needs.
- Produce a proposal to DOE/China funding agencies for an experimental counterpart to CUSTIPEN – to stimulate joint experimental collaborative projects.

To take advantage of the existing organizational structures, it will be beneficial to include FRIB-related research areas into the agency-to-agency agreement that now exists in high-energy physics between the US and China. Such a step could be useful to raise the profile of nuclear physics in China. Hence, the Workshop participants recommended: **2. We encourage US and Chinese science and funding agencies to include nuclear physics opportunities related to FRIB in the US/PRC joint committee on high-energy physics.**

Opportunities have been established to send Chinese postdocs abroad, supported by Chinese government. Such programs could be used to enhance collaborative efforts in FRIB-related areas. The Task Force could help to identify the best candidates. To increase the prestige of the fellowship, and to make it more attractive for the candidates, one could give them a special title such as China-FRIB Postdoctoral Fellow and provide additional US salary support. Hence, **3. We recommend the establishment of a prestigious postdoctoral fellowship based on the newly established government postdoctoral fellowship program in China.**

In order to prepare the future and advance the science goals, the fourth resolution states: **4. We recommend that the Task Force start planning for regular topical workshops on joint initiatives. This activity will be critical for educating our communities on the needs and opportunities.**

Education and outreach are key components of any vision of the future of the field of nuclear science. The TALENT initiative, currently involving North America and Europe, could be an excellent platform to provide an advanced and comprehensive

theoretical training to graduate students and young researchers in China in low-energy nuclear physics. Other initiatives should be explored to address training in experimental nuclear physics. This leads to the following recommendation: **5. We recommend that the Chinese community join the TALENT initiative.**

Finally, to assess the progress, **6. We propose that the second FRIB-China workshop on Physics of Nuclei and Hadrons takes place in China in late 2016.**