

Foreword

The 54th ICFA Advanced Beam Dynamics Workshop on High Intensity, High-Brightness and High-Power Hadron Beams took place on 10-14 November 2014 in East Lansing, Michigan. The workshop was hosted by the Facility for Rare Isotope Beams (FRIB), and is a continuation of the successful biennial HB workshop series started in 2002.

HB2014 keeps the traditions in the workshop series to provide a platform for presenting and discussing new progresses, status and future developments of high-intensity, high-brightness and high-power hadron beams, including beam physics in circular and linear hadron machines, technical systems and accelerator projects (under construction or in design) around the world. The workshop venue was the Kellogg Center Hotel and Conference Center located on the campus of Michigan State University with a tour of FRIB, the cutting-edge research facility currently under construction on the final day of the workshop. There were 139 registered participants.

The five day workshop began with a plenary session comprising 9 invited talks followed by poster session. The following three days were dedicated to two parallel sessions organized by six working groups, which included 98 talks and working group discussions. A majority of the oral presentations were invited by the working group conveners, and the contributed orals were selected from the submitted abstracts. On the final day, summary talks were presented by the working group conveners.

Following its precedent HB workshops, HB2014 proved to be a successful and fruitful workshop that highlighted the rapid and comprehensive progress made in high-intensity hadron accelerators from around the world. With new projects evolving, the growing interest in the field is further made evident by the high participation at the HB series.

The proceedings, which include copies of presentations are available on the JACoW website.

During the IOC Meeting at HB2014, the next HB workshop (HB2016) was determined to be held in Malmö, Sweden. It follows the tradition of the HB workshops biennial cycle rotating among the three regions (Asia, Europe and North America).

We look forward to seeing you in Malmö.



Yoshishige Yamazaki
HB2014 IOC Chair



Yan Zhang
HB2014 LOC Chair