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The progress of the BRISOL facility

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The Beijing Radioactive ion beam facility Isotope Separator On-Line□BRISOL□is a radioactive ion beam facility based on a 100MeV cyclotron providing 100μA proton beam bombarding the thick target to producing radioactive nuclei, which is transferred into ion source to producing singly ion beam. The construction and installation of BRISOL was completed in Mar., 2014□after a long time designing and manufacture. The ion source, separator and the beam-line was tested by 39K+ stable beam, and the 39K ion beam from BRISOL was firstly accelerated by Tandem in Feb., 2015. The first radioactive ion beam of 38K+ was produced by bombarding CaO target by 100MeV proton beam in Apr., 2015. The test result and the current status of the BRISOL will be presented in detail in this paper

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