BES3

Frederick A. Harris
for the BES Collaboration

Dept. of Physics and Astronomy, University of Hawaii, Honolulu, HI 96822, USA

After many years of effort, the upgrades of the Beijing Electron-Positron collider (BEPC) and the Beijing Spectrometer (BES) to BEPCII and BES3 are complete. Data taking is expected this summer. BEPCII is a two ring collider and has a design luminosity of 1×10^{33} cm^{-2} s^{-1}, an improvement of a factor of 100 with respect to the BEPC. BES3 is a brand new detector with a beryllium beam pipe; a small-cell, helium-based drift chamber; a Time-of-Flight system; a CsI(Tl) electromagnetic calorimeter; a 1 Tesla super conducting solenoidal magnet; and a muon identifier using the magnet yoke interleaved with Resistive Plate Chambers. BEPCII and BES3, as well as the their current status and future physics possibilities, will be described.

E-mail: fah@phys.hawaii.edu