

Progress of BEPCII Top-up Improvement

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For getting the higher experimental efficiency of BEPCII, top-up injection which can keep the higher luminosity as long as possible was studied. With the upgrades of some systems and the optimization of injection, top-up operation is feasible for colliding mode now. Preliminary top-up experiments show that the top-up operation can increase the integral luminosity about 20% than the conventional decay operation. Further upgrades and optimization for much higher integral luminosity are underway.

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