

Status and prospects of LEPS2 solenoid spectrometer

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A high intensity GeV gamma beam line, LEPS2, was constructed at SPring-8 in Japan in 2013. The LEPS2 beam line provides a highly polarized photon beam up to 3 GeV with one order higher intensity than that of LEPS1 facility. We are constructing a 4π solenoidal spectrometer which can detect both of charged particles and photons. The LEPS2 solenoid spectrometer consists of a time projection chamber, silicon strip detectors, drift chambers, resistive plate chambers, Cherenkov counters, and electro-magnetic calorimeters. In this talk, the physics programs and status of development of LEPS2 spectrometer are reported.

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