

Abstract Submitted
for the APR13 Meeting of
The American Physical Society

Beamstrahlung Radiation for Beam-Beam Instability RACHID AYAD, University of Tabuk, CHAOUKI BOULAHOUACHE, JAMAL H. MADANI, IBRAHIM S. ALOBAIDAN, ABDELOUAHAB ABDESSELAM, University of Tabuk, KSA, GIOVANNI BONVICINI, Wayne State University, USA, MOHAMMAD A. AHMAD, University of Tabuk, KSA — The Large Angle Beamstrahlung Monitor, LABM, to be installed at SuperKEKB accelerator, KEK Center, Japan, measures the intensity, spectrum and polarization of light emitted in the beam-beam interaction, which are related to beam-beam interaction parameters. The hopes for this device are that the study of the beam-beam interaction can change from being mostly model-driven to being mostly data-driven. Design issues are discussed, and a design close to final is presented. A list of possible measurements available at SuperKEKB is then discussed.

Rachid Ayad
University of Tabuk

Date submitted: 14 Apr 2013

Electronic form version 1.4