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Luminosity measurement at the Circular electron-positron collider CepC

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Abstract

The very forward region at CepC will be instrumented with a luminometer aiming to measure integral luminosity with a precision of 10-□3 and 10-4 in e+e-□ collisions at 240 GeV center-of-mass energy and at the Z0 pole, respectively. Present understanding of the technology solutions for the measurement, and an assessment of the systematic uncertainties are presented.

Primary authors: BOZOVIC-JELISAVCIC, Ivanka (University of Belgrade (RS)); ZHU, Kai (Institute of High Energy Physics, China); HOU, Suen (Academia Sinica (TW)); RUAN, Manqi (Chinese Academy of Sciences (CN)); ZHU, Hongbo (Chinese Academy of Sciences (CN))

Presenter: BOZOVIC-JELISAVCIC, Ivanka (University of Belgrade (RS))

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