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Scintillation detector prototypes for Beam-beam counter at NICA SPD

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The Beam Beam Counter of the Spin Physics Detector at NICA is proposed for local polarimetry and luminosity monitoring. The main option of the Beam Beam Counter is the scintillation tiles with SiPM readout. The work presents the results for studies the scintillation detector prototypes using two developed options of the front-end electronics. The estimation of time resolution using the time-walk correction procedure, as well as the coordinate scanning are discussed.

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