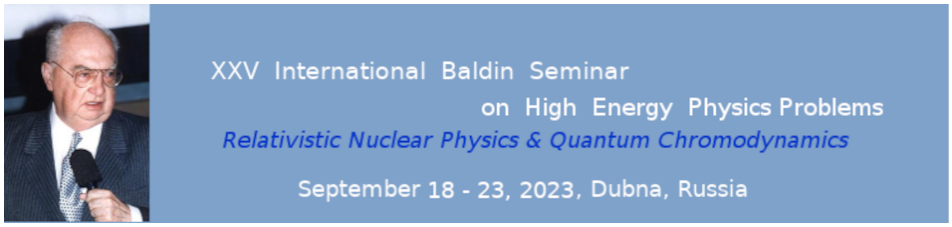

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Hadronic light by light contribution to the muonium hyperfine splitting

Friday, 22 September 2023 09:40 (20 minutes)

The hadronic contribution of light-by-light scattering to the hyperfine structure of muonium is calculated using experimental data on the transition form factors of two photons into a hadron. The amplitudes of interaction between a muon and an electron with horizontal and vertical exchanges are constructed. The contributions due to the exchange of pseudoscalar, axial vector, scalar and tensor mesons are considered.

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