

Measuring the inclusive cross section of $e^+ e^-$ annihilation into hadrons at the KEDR experiment

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We present the results on the inclusive cross section of e^+e^- single photon annihilation into hadrons in the energy range from 1.84 to 3.72 GeV obtained at the KEDR experiment, which include values of the R measurement in 22 points and of leptonic widths of J/ψ and $\psi(2S)$ mesons. The results are important for determination of the muon anomalous magnetic moment, the fine structure constant at the Z^0 peak, the strong coupling constant as function of energy, and the heavy-quark masses.

What is your topic?

Anomalous Magnetic Moment of the muon

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