Precise measurement hadronic cross sections with CMD-2 detector at VEPP-2M e^+e^-*collider*

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Abstract

The Cryogenic Magnetic Detector (CMD-2) and main it's parameters are shortly described. The results for the cross sections of e^+e^- annihilation into hadrons are presented in the c.m. energy range from 0.37 to 1.39 GeV. The total integrated luminosity of about 31 pb^{-1} has been collected. The new results for the ρ and ω meson parameters

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were abtained. The pion form factor was determinated with a 0.6% systematic uncertainty. The major decay modes of the ϕ meson as well as multihadron final states have been studied in a broad energy range. The hadronic contribution to $(g-2)_\mu$ and CVC prediction comes from τ decays are discussed.