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## The $\mu\mu$ tron physics program

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The construction of the low-energy  $e^+e^-$  collider ( $\mu\mu$ tron) operating near the muon-pair production threshold begins in 2018 at BINP (Novosibirsk). The collider parameters and configuration (a luminosity of  $8 \times 10^{31} \text{ cm}^{-2} \text{ s}^{-1}$ , an center-of-mass energy spread of 400 keV, and beams collision with a large crossing angle) allow to perform experiments on study of dimuonium properties. The dimuonium is the  $\mu^+\mu^-$  bound state that has not yet been observed. At  $\mu\mu$ tron it will be possible to detect about 40 thousand dimuonium atoms per year ( $10^7 \text{ s}$ ). In this report we describe the physics program of  $\mu\mu$ tron.

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