

Search for the η' $\rightarrow e^+e^-$ and $\eta \rightarrow e^+e^-$ decay at SND

Thursday, 18 June 2015 10:50 (0:15)

Content

The decay $\eta' \rightarrow e^+e^-$ has been searched for at the VEPP-2000 e^+e^- collider with the SND detector using the reaction $e^+e^- \rightarrow \eta'$. The following upper limits have been set at the 90% CL: $\Gamma(\eta' \rightarrow e^+e^-) < 0.0020$ eV and $B(\eta' \rightarrow e^+e^-) < 10^{-8}$. Sensitivity of VEPP-2000 for measurement of the $e^+e^- \rightarrow \eta$ cross section has been studied.

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Session Classification : Resonances and exclusive processes

Track Classification : Resonances and exclusive processes