

## Status of the kaon-antikaon interaction studies

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The strength of the kaon-antikaon interaction is crucial in the discussion on the nature of the scalar resonances  $a_0(980)$  and  $f_0(980)$ , in particular for their interpretation as  $K^+K^-$  molecules. So far, one of the few possibilities to study this interaction was the kaon pair production in multi-particle exit channels, e.g. like  $pp \rightarrow ppK^+K^-$ . In this talk we present results of the  $K^+K^-$  interaction studies performed based on near threshold data gathered in proton-proton collisions at the Cooler Synchrotron COSY. We discuss also feasibility study of the  $K^+K^-$  scattering length measurements at  $e^+e^-$  colliders.

**Primary author:** Mr SILARSKI, Michal (Jagiellonian University)

**Presenter:** Mr SILARSKI, Michal (Jagiellonian University)

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