

## Close to threshold $\eta'$ meson production in proton-proton collisions at COSY-11

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### Collaboration

COSY-11

### Abstract content

We present a new result from close to threshold measurement of excitation function for  $pp \rightarrow pp\eta'$  reaction with the accuracy better for cross section and excess energy determination with respect to previous measurements. The cross sections determined at five excess energy values down to 0.76 MeV enabled an extraction of the scattering length of the  $\eta'$ -proton interaction in the vacuum.

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