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# Hyperon-nucleon interaction in few- and many-body systems

*Wednesday, 19 May 2021 16:15 (30 minutes)*

Over the last few years the Jülich-Bonn-Munich Group has performed extensive studies of the baryon-baryon interaction involving strange baryons ( $\Lambda$ ,  $\Sigma$ ,  $\Xi$ ) within chiral effective field theory. An overview of the achieved results will be presented, with emphasis on baryon-baryon scattering in the strangeness  $S=-1$  sector. Predictions for few- and many-body systems involving hyperons will be reported and the role of possible three-body forces will be discussed.

## Collaboration

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