Contribution ID: **11** Type: **Plenary**

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

Wednesday, May 19, 2021 4:15 PM (30 minutes)

Over the last few years the Julich-Bonn-Munich Group has performed extensive studies of the baryon-baryon interaction involving strange baryons (Λ, Σ, Ξ) 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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Session Classification: Plenary Session