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Roy-Steiner analysis of pion nucleon-scattering and a precision determination of the sigma-term

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I review recent work on the Roy-Steiner equations for pion-nucleon scattering. This allows to extract the S- and P-wave phase shifts in the low-energy and subthreshold regions and a precise extraction of the much debated pion-nucleon sigma term. I also discuss these results in view of recent sigma term determination from various lattice QCD collaborations.

Summary

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