

# The light baryon resonance spectrum in a coupled-channel approach – recent results from the Juelich-Bonn model

*martedì 18 ottobre 2022 10:10 (35 minuti)*

In order to connect predictions for the baryon spectrum from quark models or lattice calculations to experimental data, coupled-channel frameworks are especially suited. In those approaches a simultaneous partial-wave analysis of multiple reactions with different initial and final states is performed.

I will present recent results from the Juelich-Bonn dynamical coupled-channel approach, where the spectrum of nucleon and Delta resonances is extracted based on a combined study of the pion- and photon-induced production of  $\pi N$ ,  $\eta N$ ,  $K\Lambda$  and  $K\Sigma$  final states.

**Autore principale:** RÖNCHEN, Deborah (Forschungszentrum Jülich)

**Relatore:** RÖNCHEN, Deborah (Forschungszentrum Jülich)

**Classifica Sessioni:** Plenary