



Contribution ID: 101

Type: **Talk**

## Isospin-breaking nucleon-nucleon interaction up to fifth order in chiral EFT

*Thursday 5 September 2019 14:55 (20 minutes)*

Chiral EFT in the nucleon-nucleon (NN) sector has finally entered the precision era with a  $\chi^2/\text{datum} \sim 1$  description of NN scattering data for recent fifth order potentials. However, none of these potentials include a complete treatment of isospin-breaking effects. I present new NN potentials from chiral EFT with a complete inclusion of isospin-breaking effects up to fifth order, whose adjustable parameters have been fitted to the 2013 Granada database of NN scattering data. I give an overview of the parameter-free and adjustable IB contributions to the potential and discuss their impact on the two-nucleon system. The long-standing question regarding the charge-dependence of the one-pion exchange coupling constant will also be considered.

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**Session Classification:** Parallel Session Thursday: Few-Nucleon Systems

**Track Classification:** Nuclei