Contribution ID: **748** Type: **Parallel session talk**

The anomalous Lagrangian in ChPT at NNLO

Tuesday 22 August 2023 17:50 (20 minutes)

The anomalous (odd intrinsic parity) Lagrangian in mesonic Chiral Perturbation Theory is determined to next-to-next-to-leading order (p^8) thereby completing the order p^8 Lagrangian [1810.06834]. The number of independent operators and the operator basis will be discussed for a general number N_f of light quark flavours as well as for the physical cases $N_f = 2, 3$. The explicit construction of the Lagrangian agrees with the number of operators derived using the Hilbert series [2009.01239].

Collaboration / Activity

Hadronic theory

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Session Classification: T11 Quantum Field and String Theory

Track Classification: Quantum Field and String Theory