

Electromagnetic transition form factors of baryons in the space-like momentum region

Tuesday, 12 September 2017 17:40 (20 minutes)

A calculation of the electromagnetic transition form factors between ground-state octet and decuplet baryons as well as the octet-only Σ^0 to Λ transition is presented in the combined framework of Dyson-Schwinger equations and covariant Bethe-Salpeter equations. Emphasis is put in the similarities among the different transitions as well as in the differences induced by $SU(3)$ flavour symmetry breaking.

Primary author: Prof. ALKOFER, Reinhard (University Graz)

Co-authors: Prof. FISCHER, Christian (JLU Giessen); Dr SANCHIS-ALEPUZ, Helios (Karl-Franzens University of Graz)

Presenter: Prof. ALKOFER, Reinhard (University Graz)

Session Classification: Parallel P3 & P4

Track Classification: Low-energy QCD