

# CLAS baryon spectroscopy programme

*martedì 18 ottobre 2022 14:30 (30 minuti)*

CLAS baryon spectroscopy programme

M. Dugger\* (for the CLAS Collaboration)  
Arizona State University,  
College of Integrated Sciences and Arts  
Mesa, AZ 85212-6415, USA  
E-mail: [dugger@jlab.org](mailto:dugger@jlab.org)

One of the major thrusts in hadronic physics is to more fully understand the internal structure of baryonic matter. The challenges presented in understanding baryonic structure are large, in part due to the complexity of strongly interacting system and the presence of many broad and overlapping resonances. The CLAS baryon spectroscopy programme has utilized the CLAS detector at Jefferson Lab in combination with polarized beams and targets to study the states of excited baryons, with the more recently built CLAS12 detector allowing for better exploration of high-mass states. An overview of the past and present CLAS Baryon programme will be presented.

\*This work is supported by the U.S. Department of Energy

**Autore principale:** DUGGER, Michael (Arizona State University)

**Relatore:** DUGGER, Michael (Arizona State University)

**Classifica Sessioni:** Parallel 2

**Classificazione della track:** Baryon spectrum through meson photoproduction and electro-production