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The Light Baryon Spectrum and QCD

Tuesday, 4 September 2018 10:00 (30 minutes)

The spectrum of bound hadronic states is intimately connected with the behaviour of QCD at low energies, where the theory is non-perturbative. An overview will be given of the progress in the study of baryon spectroscopy from recent experimental programmes. In particular, a range of photo-production measurements has been carried out, which include the extraction of several polarization observables for different reaction channels. The results so far show that these data are very useful in the search for evidence for new baryon resonances. A survey of the results will be presented, together with the latest phenomenological fits.

Presenter: Prof. IRELAND, David (University of Glasgow)

Session Classification: Plenary