Baryon spectroscopy - Recent results from the CBELSA/TAPS experiment

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One of the open challenges in subnuclear physics is to understand the non-perturbative regime of Quantum Chromodynamics, including the world of the nucleon and its excitations. One of the key issues here is to identify the relevant degrees-of-freedom and the effective forces between them. A necessary step towards this aim is undoubtedly a precise knowledge of the experimental spectrum and the properties of baryon resonances.
The Crystal Barrel/TAPS experiment at the electron accelerator ELSA allows a detailed investigation of baryon resonances up to masses of 2.5 GeV. In the talk, among other results, results from our recent double polarization experiments will be discussed.

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