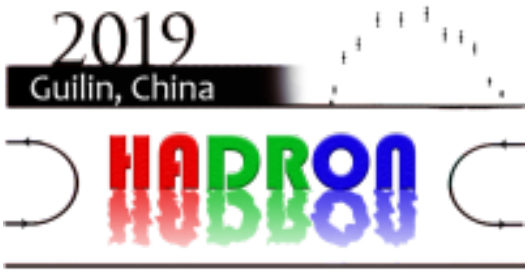
XVIII International Conference on Hadron Spectroscopy and Structure
(HADRON2019)



Contribution ID: **176** Type: **Poster**

The proton and $N(1440)$ wave function extracted from the electromagnetic helicity amplitude

The helicity amplitude of the process $\gamma^* N \to N(1440)$ is evaluated in a relativistic quark model. The wave functions of the baryons are extracted by fitting the theoretical result to the experimental data. The findings of the work are consistent with that the $N(1440)$ is mainly a three-quark bound state.

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Track Classification: Posters