



Contribution ID: 27

Type: **Talk**

## Spectroscopy of heavy-light baryons in quark-diquark picture

*Tuesday 6 September 2022 16:10 (20 minutes)*

We study the heavy-light baryons in picture of heavy quark-light diquark cluster. Modified Regge relation between mass and angular momentum, derived using flux tube model, is used to predict spin-average masses. Spin dependent interactions are also included to compute mass spectrum of heavy-light baryons. Predicted masses of these systems matches well with experimentally observed masses. We predict spin and parity of experimentally observed states whose spin and parity are not confirmed yet.

### Is this abstract from experiment?

No

### Name of experiment and experimental site

N/A

### Is the speaker for that presentation defined?

Yes

### Details

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### Internet talk

Maybe

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**Session Classification:** High Energy Particle Physics