

# DIS2023: XXX International Workshop on Deep-Inelastic Scattering and Related Subjects



Contribution ID: 34

Type: **Parallel talk**

## Search for new light diphoton resonances at the ATLAS experiment

*Thursday, 30 March 2023 09:20 (20 minutes)*

New light resonances are a generic signature of models of new phenomena beyond the Standard Model. The diphoton final states provides a clean final state and provides sensitivity to a wide class of such signals, in particular axion-like particles (ALPs). Several results of several such searches, both inclusive and in association with other particles, will be presented.

### Submitted on behalf of a Collaboration?

Yes

### Participate in poster competition?

No

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**Session Classification:** WG3

**Track Classification:** WG3: Electroweak Physics and Beyond the Standard Model