

# Gordon Research Seminar in Particle Physics: Pushing the Frontiers of Particle Physics During the LHC Run II Era

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## Constraining axion-photon coupling from the light

We explore axion modified photon propagating property, which put non-trivial constraints on the axion-photon coupling. It also requires the presence of additional spin-0 CP even particles such as saxion or dilaton. This discussion helps constructing theory about axion dark matter or axion inflation.

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**Session Classification:** Poster Session