

PHOTON 2019 - International Conference on the Structure and the Interactions of the Photon. Satellite Workshop: Photon Physics and Simulation at Hadron Colliders.



Contribution ID: 20

Type: **Talk**

Magnetic monopoles in heavy ion collisions

Tuesday, 4 June 2019 09:55 (20 minutes)

Magnetic monopoles are present in generic classes of models beyond the Standard Model and there are currently searches underway for them at the LHC. The strong magnetic fields present in peripheral heavy ion collisions can produce monopoles by the (dual) Schwinger effect. I will outline recent progress in understanding this process and argue that heavy ion collisions may be the most promising place to carry out searches for monopoles.

Summary

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Session Classification: Gamma-Gamma Collisions

Track Classification: Gamma-Gamma Collisions