

## New Scientific Opportunities with the TRIUMF ARIEL e-linac



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## Light MeV-scale dark matter at accelerators

*Thursday, 26 May 2022 14:15 (30 minutes)*

Over the past decade, a growing effort using accelerators and direct detection has explored the parameter space of light thermal relic dark matter models in the MeV-GeV range and their associated dark force mediators. I will briefly review the current status, focussing on the lower end of this mass window, and discuss theoretical scenarios, astrophysical and cosmological constraints, and potential future targets.

### Attendance

### Contact Email

### Scheduling Constraints

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