

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



Contribution ID: 19

Type: not specified

### Light MeV-scale dark matter at accelerators

*Thursday, May 26, 2022 2:15 PM (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

**Primary author:** RITZ, Adam

**Presenter:** RITZ, Adam