

New Scientific Opportunities with the TRIUMF ARIEL e-linac



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Dark photon searches at accelerators

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The dark photon could mediate interactions between dark matter particles, and, through its kinetic mixing with the standard model photon, interact with standard model particles. I will review recent results on accelerator-based searches for dark photons decaying visibly to standard model particles, or invisibly to dark matter. I will also briefly discuss projected sensitivities from current and proposed experiments.

Attendance

Contact Email

Scheduling Constraints

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