

# Opportunities for Dark Sector Searches with ARIEL

*Wednesday, 18 July 2018 16:00 (30 minutes)*

The availability of a high-current electron accelerator at TRIUMF opens novel avenues for dark sector experiments. In particular, fixed-target experiments represent an excellent opportunity for testing dark sector scenarios with high sensitivity. After reviewing some existing experimental proposals, sensitivity calculations for an experiment at TRIUMF taking advantage of the ARIEL beam will be presented.

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**Session Classification:** New Directions for Ariel