

The 59th Winter Nuclear & Particle Physics Conference (WNPPC2022)



Contribution ID: 66

Type: **Nuclear and Particle Physics**

Accelerator Projects in Nuclear and Particle Physics - A Canadian Perspective

Friday, February 18, 2022 8:00 AM (24 minutes)

In this talk I will present developments and potential upgrades for TRIUMF's ARIEL and ISAC facilities from an accelerator physicist's point of view. I will start my talk with ongoing projects on ISAC, i.e. increase beam time through model based beam tuning and reaching higher charge states with two frequency heating of the charge state booster. I will then continue with potential future upgrades to reach higher beam energies and adding a storage ring to the ISAC facility. Finally I will present examples how TRIUMF and UVic are involved in large international accelerator projects for particle physics.

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Please select: Experiment or Theory

Instrumentation

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Session Classification: Instrumentation