



Canadian Association  
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Contribution ID: 3446

Type: **Invited Speaker / Conférencier(ère) invité(e)**

## **(I) Future Collider Pheno talk (invited talk by David McKeen)**

*Tuesday 7 June 2022 08:30 (25 minutes)*

I review the physics motivation for colliders that come after the LHC, including Higgs properties, the matter asymmetry of the Universe, and the hierarchy problem. The reach of several classes of proposed colliders (electron-positron, hadron, muon) in well motivated scenarios is described.

**Presenter:** MCKEEN, David (TRIUMF)

**Session Classification:** T1-3 New Directions in Accelerator-Based Experiments: Future Collider Experiments - Energy Frontier (PPD) | Nouvelles voies fondées sur des accélérateurs: expériences futures avec collisionneurs - frontière d'énergie (PPD)

**Track Classification:** Symposia Day (Tues. June 7) / Journée de symposiums (mardi, le 7 juin): Symposia Day (PPD) - New Directions in Accelerator-Based Experiments