Dark Matter at a Future Proton Collider

 The goal of the workshop is to identify the high energy collider signatures associated with different scenarios for dark matter, focusing on opportunities for a next generation pp collider.

 We anticipate that the workshop will lead to new dedicated studies to identify the physics reach of a ~100 TeV pp collider with respect to dark matter.

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Among the questions to be addressed are:

- 1. What are the implications of BSM scenarios that address dark matter?
- 2. In these BSM scenarios, what are the overlaps between direct and indirect detection and collider signatures?
- 3. What are the signatures at a next generation pp collider of these scenarios and how are they related to the character of the dark matter?
- 4. To what extend might these scenarios be probed with a next generation hadronic collider and how would such studies complement those anticipated at the LHC and future e+e- colliders?