

## XXV DAE-BRNS High Energy Physics Symposium 2022



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Type: Plenary Talk

### Future Colliders - Concepts and Physics Reach

*Friday 16 December 2022 09:00 (30 minutes)*

Future colliders are necessary to understand the Higgs boson at percent level precision. Any deviations at percent level in the Higgs sector points to new physics at 10 TeV scale. Natural choice made by the world community calls for a plan to build an electron-positron Higgs factory followed by a 10-TeV scale collider, using 100-TeV center-of-mass proton-proton collider or a 10-TeV muon collider. The talk will discuss options gaining momentum worldwide on both Higgs Factory and 10-TeV collider fronts.

#### Session

Plenary

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