



Contribution ID: 273

Type: **Talk**

[322] The landscape of Future Circular Colliders

Thursday, August 30, 2018 2:30 PM (30 minutes)

Having completed the Standard Model but with several important questions still unanswered, the broadest search for leads towards new physics must be undertaken.

Starting from a very precise, high luminosity Z, W, Higgs and top $e+e-$ factory, the Future Circular Colliders based on the CERN infrastructure of circular tunnels complemented with a 100 km ring passing under Lac Léman, will offer the possibility to continue with 100 TeV pp collisions, but also heavy ions or e-p collisions, and possibly 10-20 TeV $\mu+\mu-$ collider. The physics highlights of this possible series of powerful physics instruments will be described, within the limits of today's imagination.

Primary author: BLONDEL, Alain (Universite de Geneve (CH))

Presenter: BLONDEL, Alain (Universite de Geneve (CH))

Session Classification: Nuclear, Particle- & Astrophysics (TASK)

Track Classification: Nuclear, Particle- and Astrophysics (TASK)