

P5 Town Hall Meeting



Contribution ID: 75

Type: **Early Career Scientist**

Physics On the way to 10 TeV

An immediate result of Snowmass 2021 is the community's clear intention to reach the multi-TeV scale with colliders, in particular with large support behind a 10 TeV muon collider. While the timescale to 10 TeV center-of-mass collisions is most quickly realized with a muon collider, the projection for construction is still upwards of 25+ years. In this remark, I will illustrate physics possibilities along the way to 10 TeV with the various staging of demonstrator facilities in the development and construction of the necessary and novel muon collider technology.

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