

P5 Town Hall at SLAC



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Type: **Early Career Scientist**

A 10 TeV Muon Collider for Future of Particle Physics (remote)

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The 2021 Snowmass process made clear that there is a strong scientific case and broad community interest in a 10 TeV muon collider to reach the multi-TeV scale as quickly as possible. In these remarks, I will discuss the importance of investing in R&D in this pursuit from an early career theorist's perspective, and discuss some highlights of the physics case for such a collider. I will focus in particular on the complementarity with other current and future physics programs and on the importance of support for theorists in this R&D stage to ensure any future collider program can make full use of its potential.

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