

May 3, 2023 - 14:30 - aula A



Towards a multi-TeV Muon Collider Muon colliders provide a unique route to deliver high energy collisions that our Muon colliders provide a unique route to deliver high energy collisions that inhamantal laws of nhvsics All this at a sinnla collider enable alscovery searches and precision measurements to extend our feasible timescale as reviewed in the frame of the Euronean of Euronean and on a feasible timescale, as reviewed in the frame of the European and during that I c chairmage collider And on a feasible timescale, as reviewed in the trame or the European in ring in the U.S. Snowmass process.

Without the trame of the transport of the transpor Muons can be accelerated in rings up to very high energies, without formed International Muon Collider Collaboration at CFRN tarnate the decinn of a International Ilmitation from synchrotron radiation. The recently formed muon collider facility with a center of mass energy of in Taly or higher which muon collider facility with a center of mass energy of 10 TeV or higher, which made and he muon collider tacility with a center of mass energy of 10 lev or nigner, which in the near first ire Currently a 2 Tell stand is considered viable available with technologies that can be made available viable as a nost HI. in the near future. Currently a 3 TeV stage is considered viable as a post HL-In the near ruture. Currently a 3 lev stage is considered viable as a post HL
nuite extensively niver the past following potential of muon colliders has been investigated

to investigated Quite extensively over the past few years as a viable path toward the high-him harnted reach desnite the highquite extensively over the past few years as a viable path toward the high-high hrinht milion heams and mitinata the despite the energy, nign-luminosity trontier beyong the expected reach, aespite the drawbacks arising from the short muon lifetime at rest. The status of the project, future plans and synergies will be discussed.

