

Muon Collider Physics Potential

Report on activities (8th of June 2021)

- Muon collider PP meetings:

- Andrea&Fabio, (1h30, 1 volta al mese)

June 2021

24 Jun [Seventh Muon Collider Physics Potential Meeting](#) SUSY

March 2021

26 Mar [Sixth Muon Collider Physics Potential Meeting](#) g-2 and EFT

05 Mar [Fifth Muon Collider Physics Potential Meeting](#) Compositeness and g-2

December 2020

11 Dec [Fourth Muon Collider Physics Potential Meeting](#) Higgs BSM

November 2020

17 Nov [Third Muon Collider Physics Potential Meeting](#) LLP

October 2020

30 Oct [Second Muon Collider Physics Potential Meeting](#) DM

16 Oct [First Muon Collider Physics Potential Meeting](#) H and HH

- Muon collider Workshop

(3 pomeriggi, 2-4 giugno)

- Andrea Wulzer
- Cristina Riccardi
- Daniel Schulte (CERN)
- Donatella Lucchesi
- Fabio Maltoni
- Federico Meloni (DESY)
- Michael Spannowsky (UK)
- Nathaniel Craig (US)
- Sergo Jindariani (US)

- 367 subscribed people
- 27 contributions (all recorded)

Scientific Programme

Physics Potential

DAQ, trigger and unconventional signatures

Detector and signals processing technologies

Physics requirements on high-level objects reconstruction

Monte Carlo simulations and challenges