

Session Program

9-13 Oct 2018

MICE CM52

Muon beams for particle physics: review and discussion

Other Institutes

Conference Rooms 12 and 13 Building R68 STFC, Rutherford Appleton Laboratory Harwell Oxford
Campus Chilton Oxfordshire OX11 0QX UK www.stfc.ac.uk

Thursday 11 October

14:00

Muon beams for particle physics: review and discussion: Muon beams for particle physics

Session | **Location:** Other Institutes, The Bar Lounge, Ridgeway House | **Convener:** Kenneth Richard Long

14:00–14:10

Welcome and introduction

Speaker

Kenneth Richard Long

14:10–14:35

Proton-based muon collider and neutrino factory: status, options and R&D needs

Speaker

Dr Mark Palmer

14:35–15:05

Positron-based muon collider: overview, issues and R&D needs

Speaker

Manuela Boscolo

15:05–15:30

Ionization cooling; recent results from MICE; implications for neutrino factory and muon collider schemes

Speaker

Chris Rogers

15:30

16:00

Muon beams for particle physics: review and discussion: Discussion of multiple Coulomb scattering and energy loss: part 2

Session | **Location:** Other Institutes, The Bar Lounge, Ridgeway House | **Convener:** Kenneth Richard Long

16:00–16:25

nuSTORM: physics and detectors

Speaker

Paul Soler Jermyn

16:25–16:50

nuSTORM: accelerator design and status of PBC study

Speaker

Jaroslav Pasternak

16:50–17:10

Muon collider compared to other options for the high-energy programme

Speaker

Jean-Pierre Delahaye

17:10–17:30

High-brightness muon beams for particle physics: review of opportunities

Speaker

Alain Blondel

17:30–18:00

Discussion

18:00