

Session Program

2-7 Jul 2023

Searching for New Physics at the Quantum Technology Frontier

Electric Dipole Moments (EDMs)

Congressi Stefano Franscini (CSF), Ascona (Ticino), Switzerland
Monte Verità Strada Collina 84 CH-6612 Ascona (Ticino)

Monday 3 July

16:00

Electric Dipole Moments (EDMs)

Session |

Location: Congressi Stefano Franscini (CSF), Ascona (Ticino), Switzerland, Monte Verità Strada Collina 84 CH-6612

Co-organizers: Aldo Antognini

16:00-16:05

Session's intro

Speaker

Aldo Antognini

16:05-16:40

Electric dipole moments in effective field theory

Speaker

Peter Stoffer

16:40-17:15

EDMcubed: Measuring the electron electric dipole matrix element using BaF molecules embedded in an argon matrix

Speaker

Eric Hessels

17:15-17:45

Coffee break

17:45-18:20

Systematic effects in searches for the electron EDM

Speaker

Lorenz Willmann

18:20-18:45

Next-generation nEDM search at PSI

Speaker

Dr Efrain Patrick Segarra

18:45-19:10

Search for the muon electric dipole moment using the frozen-spin technique.

Speaker

Chavdar Dutsov

19:10