

I.FAST Workshop on GHz Rate & Rapid Muon Acceleration for Particle Physics



Report of Contributions

Contribution ID: 1

Type: **not specified**

Dark matter: astrophysical evidence and experimental work overview

Monday 11 December 2023 09:15 (1h 25m)

Presenter: KRASNY, Witek (CERN)

Session Classification: Dark Matter

Contribution ID: 2

Type: **not specified**

Searches for dark sectors with high energy muons in NA64 at the CERN SPS

Monday 11 December 2023 11:10 (1h 20m)

Presenters: CRIVELLI, Paolo (ETHZ - ETH Zurich); CRIVELLI, Paolo (Institute for Particle Physics, ETH Zurich)

Session Classification: Dark Matter

Contribution ID: 3

Type: **not specified**

Dielectric laser accelerators for dark matter search

Monday 11 December 2023 15:00 (25 minutes)

Presenter: DADASHI MOTLAGH, Raziye (PSI - Paul Scherrer Institut)

Session Classification: Dark Matter

Contribution ID: 4

Type: **not specified**

Dielectric laser accelerators: state of the art, and recent experiments

Monday 11 December 2023 15:25 (25 minutes)

Presenter: KRAUS, Stefanie (FAU)

Session Classification: Dark Matter

Contribution ID: 5

Type: **not specified**

Pulsed electron sources: an overview

Wednesday 13 December 2023 10:00 (25 minutes)

Presenter: BORRELLI, Simona (TU Eindhoven)

Session Classification: Workshop

Contribution ID: 6

Type: **not specified**

Lasers with GHz~Thz repetition rates

Wednesday 13 December 2023 09:30 (30 minutes)

Presenter: BELLOUARD, Yves (EPFL)

Session Classification: Workshop

Contribution ID: 7

Type: **not specified**

Muon colliders: applications in high energy physics

Tuesday 12 December 2023 09:00 (40 minutes)

Presenter: SHILTSEV, Vladimir (FNAL)

Session Classification: Muons

Contribution ID: 8

Type: **not specified**

The LDMX Experiment

Wednesday 13 December 2023 11:05 (25 minutes)

Presenter: MOEBIUS, Silke (Universitaet Bern)

Session Classification: Workshop

Contribution ID: 9

Type: **not specified**

The M3 experiment

Wednesday 13 December 2023 11:30 (20 minutes)

Presenter: ZIMMERMANN, Frank (CERN)

Session Classification: Workshop

Contribution ID: **10**

Type: **not specified**

Preliminary thoughts on plasma-based muon acceleration

Tuesday 12 December 2023 14:25 (30 minutes)

Presenter: Prof. PUKHOV, Alexander (Universitaet Duesseldorf)

Session Classification: Muons

Contribution ID: **11**

Type: **not specified**

Simulations of a plasma wakefield accelerator for pions and muons

Tuesday 12 December 2023 14:55 (30 minutes)

Presenter: Dr BADIALI, Chiara (GoLF)

Session Classification: Muons

Contribution ID: 12

Type: **not specified**

On PFA based muon sources

Tuesday 12 December 2023 14:00 (25 minutes)

Presenter: SHILTSEV, Vladimir (FNAL)

Session Classification: Muons

Contribution ID: 13

Type: **not specified**

Muon storage ring and colliders – Beam parameters and acceleration requirements

Tuesday 12 December 2023 09:40 (40 minutes)

Presenter: SCHULTE, Daniel (CERN)

Session Classification: Muons

Contribution ID: 14

Type: **not specified**

Scalable Dielectric Laser Accelerators

Monday 11 December 2023 15:50 (20 minutes)

Presenter: NIEDERMAYER, Uwe (TU Darmstadt)

Session Classification: Dark Matter

Contribution ID: 15

Type: **not specified**

Opening I.FAST WP5

Monday 11 December 2023 09:00 (15 minutes)

Presenter: ZIMMERMANN, Frank (CERN)

Session Classification: Dark Matter

Contribution ID: **16**

Type: **not specified**

DASEL/LDMX accelerator

Wednesday 13 December 2023 10:45 (20 minutes)

Presenter: ZIMMERMANN, Frank (CERN)

Session Classification: Workshop

Contribution ID: 17

Type: **not specified**

Gamma-Factory based Muon and positron sources

Wednesday 13 December 2023 10:25 (20 minutes)

Presenter: KRASNY, Witek (CERN)

Session Classification: Workshop