

Workshop on electromagnetic dipole moments of unstable particles

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction and goals of the workshop

Session Classification: Introduction

Contribution ID: 2

Type: **not specified**

Electric dipole moments and bounds on new physics

Thursday, 3 October 2019 09:30 (30 minutes)

Presenter: JUNG, Martin (University and INFN Torino)

Session Classification: Introduction

Contribution ID: 3

Type: **not specified**

Testing the Standard Model with lepton magnetic moments

Thursday, 3 October 2019 10:00 (30 minutes)

Presenter: PASSERA, Massimo (INFN Padova)

Session Classification: Introduction

Contribution ID: 4

Type: **not specified**

Review on EDM searches

Thursday, 3 October 2019 11:30 (30 minutes)

Presenter: SCHMIDT-WELLENBURG, Philipp (Paul Scherrer Institute)

Session Classification: Introduction

Contribution ID: 5

Type: **not specified**

Review on g-2 measurements

Thursday, 3 October 2019 12:00 (30 minutes)

Presenter: VENANZONI, Graziano (INFN Pisa)

Session Classification: Introduction

Contribution ID: 6

Type: **not specified**

Magnetic moments of heavy baryons

Thursday, 3 October 2019 11:00 (30 minutes)

Presenters: ROBBE, Patrick (LAL Orsay); ROBBE, Patrick (Istituto Nazionale di Fisica Nucleare)

Session Classification: Introduction

Contribution ID: 7

Type: **not specified**

Welcome

Thursday, 3 October 2019 09:00 (10 minutes)

Presenters: MERONI, Chiara (INFN Milano); ONIDA, Giovanni (Universita' degli Studi di Milano)

Session Classification: Introduction

Contribution ID: 8

Type: **not specified**

Introduction and goals of the workshop

Thursday, 3 October 2019 09:10 (20 minutes)

Presenter: NERI, Nicola (University and INFN Milano)

Session Classification: Introduction

Contribution ID: 9

Type: **not specified**

Amplitude analysis for EDM/MDM measurements of heavy baryons

Thursday, 3 October 2019 12:30 (30 minutes)

Presenter: PILLONI, Alessandro (ECT* Trento)

Session Classification: Introduction

Contribution ID: **10**

Type: **not specified**

Channeling physics overview

Thursday, 3 October 2019 14:30 (25 minutes)

Presenter: TIKHOMIROV, Victor (Research Institute for Nuclear Problems)

Session Classification: Physics of bent crystals

Contribution ID: 11

Type: **not specified**

Overview of channeling in bent crystals,

Thursday, 3 October 2019 14:55 (25 minutes)

Presenter: GUIDI, Vincenzo (University and INFN Ferrara)

Session Classification: Physics of bent crystals

Contribution ID: 12

Type: **not specified**

Spin precession in bent crystals: MDM, EDM and T-odd effects

Thursday, 3 October 2019 15:20 (25 minutes)

Presenter: BARYSHEVSKY, Vladimir (Research Institute for Nuclear Problems)

Session Classification: Physics of bent crystals

Contribution ID: 13

Type: **not specified**

Round table discussion

Thursday, 3 October 2019 15:45 (10 minutes)

Session Classification: Physics of bent crystals

Contribution ID: 14

Type: **not specified**

Charm baryon MDM proposal and preparation studies in UA9

Thursday, 3 October 2019 16:30 (20 minutes)

Presenter: NATOCHI, Andrii ((LAL))

Session Classification: Physics of bent crystals

Contribution ID: 15

Type: **not specified**

Experimental proposal for MDM/EDM of charm (beauty) baryons in LHCb

Thursday, 3 October 2019 16:50 (20 minutes)

Presenter: MERLI, Andrea (INFN Milano)

Session Classification: Physics of bent crystals

Contribution ID: 16

Type: **not specified**

Experimental proposal for MDM/EDM of strange baryons in LHCb

Thursday, 3 October 2019 17:10 (20 minutes)

Presenter: FU, Jinlin (University of Milano)

Session Classification: Physics of bent crystals

Contribution ID: 17

Type: **not specified**

Round table discussion

Thursday, 3 October 2019 17:30 (30 minutes)

Session Classification: Physics of bent crystals

Contribution ID: **18**

Type: **not specified**

Amplitude analyses for MDM/EDM measurements

Friday, 4 October 2019 09:00 (20 minutes)

Presenter: MARANGOTTO, Daniele (University and INFN Milano)

Session Classification: New experimental techniques

Contribution ID: 19

Type: **not specified**

Charm baryon production and polarization in fixed-target collisions

Friday, 4 October 2019 09:20 (20 minutes)

Presenter: NIEL, Elisabeth (LAL, Orsay)

Session Classification: New experimental techniques

Contribution ID: 20

Type: **not specified**

Direct probe of tau dipole moments with bent crystals

Friday, 4 October 2019 09:40 (20 minutes)

Presenter: FOMIN, Oleksiy (LAL, CNRS et Université Paris-Sud, Orsay, France)

Session Classification: New experimental techniques

Contribution ID: 21

Type: **not specified**

Direct probe of tau dipole moments with bent crystals II

Friday, 4 October 2019 10:00 (20 minutes)

Presenter: RUIZ VIDAL, Joan (IFIC-Valencia)

Session Classification: New experimental techniques

Contribution ID: 22

Type: **not specified**

Round table discussion

Friday, 4 October 2019 12:00 (30 minutes)

Session Classification: New experimental techniques

Contribution ID: 23

Type: **not specified**

Test and characterisation of bent crystal prototypes

Friday, 4 October 2019 11:00 (20 minutes)

Presenters: SYTOV, Alexei (Research Institute for Nuclear Problems of Belarusian State University); SYTOV, Alexei (FE)

Session Classification: New experimental techniques

Contribution ID: 24

Type: **not specified**

Design, construction and test of bent crystals

Friday, 4 October 2019 11:20 (20 minutes)

Presenter: ROMAGNONI, Marco (University and INFN Ferrara)

Session Classification: New experimental techniques

Contribution ID: 25

Type: **not specified**

Status-of-art LHC machine-crystal simulations

Friday, 4 October 2019 11:40 (20 minutes)

Presenter: MIRARCHI, Daniele (CERN)

Session Classification: New experimental techniques

Contribution ID: 26

Type: **not specified**

Long-lived particle reconstruction and trigger in LHCb

Friday, 4 October 2019 14:20 (20 minutes)

Presenter: AIOLA, Salvatore (INFN Milano)

Session Classification: Final session

Contribution ID: 27

Type: **not specified**

Standalone reconstruction and trigger with the SciFi detector

Friday, 4 October 2019 14:40 (20 minutes)

Presenter: HENRY, Louis (IFIC Valencia)

Session Classification: Final session

Contribution ID: 28

Type: **not specified**

RTA in LHCb overview talk

Friday, 4 October 2019 14:00 (20 minutes)

Presenter: OYANGUREN, Arantza (IFIC - Valencia)

Session Classification: Final session

Contribution ID: 29

Type: **not specified**

DIPOLE-b proposal at LHCb and next steps

Friday, 4 October 2019 15:00 (20 minutes)

Presenter: MARTINEZ-VIDAL, Fernando (IFIC (Universidad de Valencia-CSIC))

Session Classification: Final session

Contribution ID: **30**

Type: **not specified**

Closeout

Friday, 4 October 2019 15:20 (10 minutes)

Presenter: NERI, Nicola (University and INFN Milano)

Session Classification: Final session