

Novel Accelerators Workshop



Report of Contributions

Contribution ID: 1

Type: **not specified**

Laser Wakefield Accelerators Simulation - Welcome and 'Overcoming the challenges in novel accelerators'

Monday 24 October 2016 09:00 (30 minutes)

Presenter: WELSCH, Carsten (Cockcroft Institute / University of Liverpool)

Contribution ID: 2

Type: **not specified**

High Repetition Rate Laser-driven Proton / Ion Sources

Monday 24 October 2016 09:30 (30 minutes)

Presenter: ROSO, Luis (CLPU)

Contribution ID: 3

Type: **not specified**

Generation of high charge electron beams by ionization injection

Monday 24 October 2016 10:00 (30 minutes)

Presenter: COUPERUS, Jurjen

Contribution ID: 4

Type: **not specified**

Laser Wakefield Accelerators Experiment - Improvement of Electron Injection into the Plasma Channel

Monday 24 October 2016 11:00 (30 minutes)

Presenter: THAURY, Cedric (CNRS)

Contribution ID: 5

Type: **not specified**

EuPRAXIA and SINBAD facilities

Monday 24 October 2016 11:30 (30 minutes)

Presenter: WALKER, Paul Andreas (DESY)

Contribution ID: 6

Type: **not specified**

Next Generation of Software for simulating Laser- and Beam-driven Acceleration

Monday 24 October 2016 12:00 (30 minutes)

Presenter: Dr BUSSMANN, Michael (HZDR)

Contribution ID: 7

Type: **not specified**

Laser Wakefield Accelerators Applications - Laser-engineered surfaces for accelerator applications

Monday 24 October 2016 14:00 (30 minutes)

Presenter: GILLESPIE, Allan (University of Dundee, Scotland, UK)

Contribution ID: 8

Type: **not specified**

Laser Accelerators for Biomedical Applications

Monday 24 October 2016 14:30 (30 minutes)

Presenter: ROSO, Luis (CLPU)

Contribution ID: 9

Type: **not specified**

Commissioning of the Laser Laboratory for Acceleration and Applications

Monday 24 October 2016 15:00 (30 minutes)

Presenter: Prof. JOSE, Benlliure Anaya (Universidade de Santiago de Compostela)

Contribution ID: **10**

Type: **not specified**

Laser Wakefield Accelerators Diagnostics - Development of diagnostics for PW and multi-PW lasers

Monday 24 October 2016 16:00 (30 minutes)

Presenter: MORAVEC, Jaroslav (FOTON, s.r.o.)

Contribution ID: **11**

Type: **not specified**

Turnkey Control System for Novel Accelerators

Monday 24 October 2016 16:30 (30 minutes)

Presenter: TUMA, Samo

Contribution ID: 12

Type: **not specified**

Plasma-based techniques for wakefield/Radio frequency driven FEL

Monday 24 October 2016 17:00 (30 minutes)

Presenter: TARKESHIAN, Roxana (PSI - Paul Scherrer Institut)

Contribution ID: 13

Type: **not specified**

Developments of optical systems for X/gamma ray Compton machines at LAL

Monday 24 October 2016 17:30 (30 minutes)

Presenter: DUPRAZ, Kevin (CNRS / LAL)

Contribution ID: 14

Type: **not specified**

Dielectric Laser Accelerators - Optimization of Dielectric Gratings Structures

Tuesday 25 October 2016 09:00 (15 minutes)

Presenter: Prof. WELSCH, Carsten (Cockcroft Institute / University of Liverpool)

Contribution ID: 15

Type: **not specified**

The ACHIP program and results on dielectric laser acceleration of non-relativistic electrons

Tuesday 25 October 2016 09:15 (30 minutes)

Presenter: Dr MCNEUR, Joshua

Contribution ID: 16

Type: **not specified**

Possible Applications of Dielectric Structures with Transverse Acceleration

Tuesday 25 October 2016 09:45 (25 minutes)

Presenter: Dr ISCHEBECK, Rasmus (Paul Scherrer Institut)

Contribution ID: 17

Type: **not specified**

Design of a Dielectric-Lined Waveguide for Terahertz-Driven Linear Electron Acceleration

Tuesday 25 October 2016 11:30 (15 minutes)

Presenter: HEALY, Alisa (Cockcroft Institute)

Contribution ID: **18**

Type: **not specified**

Manipulation of relativistic beams with laser-driven THz

Tuesday 25 October 2016 11:00 (30 minutes)

Presenter: JAMISON, Steven Patrick (STFC)

Contribution ID: 19

Type: **not specified**

Designing tunable dielectric lined structures for wakefield applications

Tuesday 25 October 2016 11:45 (15 minutes)

Presenter: PACEY, Thomas (Cockcroft Institute/University of Manchester)

Contribution ID: 20

Type: **not specified**

AWAKE - Overview of the AWAKE experiment at CERN

Tuesday 25 October 2016 16:00 (30 minutes)

Presenter: MARTYANOV, Mikhail (Max-Planck-Institut für Physik (DE))

Contribution ID: 21

Type: **not specified**

Beam Diagnostics Challenges in AWAKE

Tuesday 25 October 2016 16:30 (30 minutes)

Presenter: FIORITO, Ralph (Cockcroft Institute)

Contribution ID: 22

Type: **not specified**

OTR Measurements in AWAKE

Tuesday 25 October 2016 17:00 (30 minutes)

Presenter: RIEGER, Karl (Max-Planck-Institut für Physik (DE))

Contribution ID: 23

Type: **not specified**

Diagnostic of coherent transition radiation for measuring micro-bunch formation in AWAKE

Tuesday 25 October 2016 17:30 (30 minutes)

Presenter: Dr FALK, Braunmueller

Contribution ID: 24

Type: **not specified**

Beam-driven Wakefield Accelerators - Weak Blow-out Regime Driven Resonantly by a Train of Short Electron Bunches

Wednesday 26 October 2016 09:30 (30 minutes)

Presenter: FERRARIO, Massimo (INFN-LNF)

Contribution ID: 25

Type: **not specified**

Laser-driven high-quality ultra-relativistic positron beams

Presenter: Dr SARRI, Gianluca (Queen's University Belfast)

Contribution ID: 26

Type: **not specified**

Novel high brightness sources of high energy particle beams and radiation

Wednesday 26 October 2016 10:00 (30 minutes)

Presenter: Dr MANAHAN, Grace G.

Contribution ID: 27

Type: **not specified**

Development of Enhanced Models of the Beam-Plasma Interaction

Wednesday 26 October 2016 11:00 (30 minutes)

Presenter: Dr SMITH, Jonathan (Tech-X UK Ltd)

Contribution ID: 28

Type: **not specified**

Ion acceleration in nanostructured targets

Tuesday 25 October 2016 12:00 (30 minutes)

Presenter: RUIZ MÉNDEZ, CAMILO

Contribution ID: 29

Type: **not specified**

AXSIS: progress towards a THz-driven, attosecond light source

Wednesday 26 October 2016 11:30 (30 minutes)

Presenter: MATLIS, Nicholas (DESY)

Contribution ID: **30**

Type: **not specified**

Design of the interaction chamber for ACHIP at PSI

Tuesday 25 October 2016 10:10 (20 minutes)

Presenter: FERRARI, Eugenio (PSI - Paul Scherrer Institut)

Contribution ID: 31

Type: **not specified**

Dielectric Laser-driven Accelerator Design for an Electron Beam Below 1 MeV Using Genetic Algorithm

Presenter: Dr SHIN, Seung-Wook