

JUAS 2021 - COURSE 1 - The Science of Particle Accelerators

Report of Contributions

Contribution ID: 1

Type: **not specified**

Presentation of JUAS & ESI + Introduction of participants + Practical information

Monday 11 January 2021 09:00 (1h 30m)

Authors: JOWETT, John (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE)); HOLLAND, Robert Lionel (European Scientific Institute (FR)); VANDERGooten, Stephanie Denise H (European Scientific Institute (FR))

Presenters: JOWETT, John (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE)); HOLLAND, Robert Lionel (European Scientific Institute (FR)); VANDERGooten, Stephanie Denise H (European Scientific Institute (FR))

Contribution ID: 2

Type: **not specified**

ESI Presentation (incl.practical information)

Author: VANDERGooten, Stephanie Denise H (European Scientific Institute (FR))

Presenter: VANDERGooten, Stephanie Denise H (European Scientific Institute (FR))

Contribution ID: 3

Type: **not specified**

Particle accelerators in the 21st century

Monday 11 January 2021 11:00 (45 minutes)

Seminar

Moderator: Philippe Lebrun

Author: VRETENAR, Maurizio (CERN)

Presenter: VRETENAR, Maurizio (CERN)

Contribution ID: 4

Type: **not specified**

Particle dynamics and optics

Wednesday 13 January 2021 13:15 (45 minutes)

Author: BIANCACCI, Nicolo (CERN)

Presenter: BIANCACCI, Nicolo (CERN)

Contribution ID: 5

Type: **not specified**

Particle dynamics and optics

Author: BIANCACCI, Nicolo (CERN)

Presenter: BIANCACCI, Nicolo (CERN)

Contribution ID: 6

Type: **not specified**

Particle dynamics and optics

Wednesday 13 January 2021 09:00 (45 minutes)

Moderator: none needed

Author: BIANCACCI, Nicolo (CERN)

Presenter: BIANCACCI, Nicolo (CERN)

Contribution ID: 7

Type: **not specified**

Special relativity (recap)

Monday 11 January 2021 13:45 (45 minutes)

Moderator: Elias Metral

Author: JOWETT, John (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE))

Presenter: JOWETT, John (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE))

Contribution ID: 8

Type: **not specified**

Special relativity (recap)

Monday 11 January 2021 14:30 (45 minutes)

Author: JOWETT, John (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE))

Presenter: JOWETT, John (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE))

Contribution ID: 9

Type: **not specified**

Special relativity (recap)

Tuesday 12 January 2021 09:45 (45 minutes)

Author: JOWETT, John (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE))

Presenter: JOWETT, John (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE))

Contribution ID: **10**

Type: **not specified**

Special relativity (recap)

Tuesday 12 January 2021 09:00 (45 minutes)

Author: JOWETT, John (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE))

Presenter: JOWETT, John (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE))

Contribution ID: **11**

Type: **not specified**

Particle dynamics and optics

Wednesday 13 January 2021 14:30 (45 minutes)

Author: BIANCACCI, Nicolo (CERN)

Presenter: BIANCACCI, Nicolo (CERN)

Contribution ID: **12**

Type: **not specified**

Particle dynamics and optics

Wednesday 13 January 2021 09:45 (45 minutes)

Author: BIANCACCI, Nicolo (CERN)

Presenter: BIANCACCI, Nicolo (CERN)

Contribution ID: 13

Type: **not specified**

Electromagnetic fields for accelerators

Tuesday 12 January 2021 14:30 (45 minutes)

Author: METRAL, Elias (CERN)

Presenter: METRAL, Elias (CERN)

Contribution ID: **14**

Type: **not specified**

Electromagnetic fields for accelerators

Monday 11 January 2021 15:45 (45 minutes)

Author: METRAL, Elias (CERN)

Presenter: METRAL, Elias (CERN)

Contribution ID: 15

Type: **not specified**

Electromagnetic fields for accelerators

Tuesday 12 January 2021 11:00 (45 minutes)

Author: METRAL, Elias (CERN)

Presenter: METRAL, Elias (CERN)

Contribution ID: **16**

Type: **not specified**

Electromagnetic fields for accelerators

Tuesday 12 January 2021 13:15 (45 minutes)

Author: METRAL, Elias (CERN)

Presenter: METRAL, Elias (CERN)

Contribution ID: 17

Type: **not specified**

Transverse Dynamics

Thursday 14 January 2021 09:00 (45 minutes)

Moderator: Nuria Fuster Martinez

Author: GARCIA MORALES, Hector (University of Oxford)

Presenter: GARCIA MORALES, Hector (University of Oxford)

Contribution ID: **18**

Type: **not specified**

Transverse Dynamics

Thursday 14 January 2021 09:45 (45 minutes)

Moderator: Nuria Fuster Martinez

Author: GARCIA MORALES, Hector (University of Oxford)

Presenter: GARCIA MORALES, Hector (University of Oxford)

Contribution ID: **19**

Type: **not specified**

Transverse Dynamics

Thursday 14 January 2021 11:00 (45 minutes)

Moderator: Nuria Fuster Martinez

Author: GARCIA MORALES, Hector (University of Oxford)

Presenter: GARCIA MORALES, Hector (University of Oxford)

Contribution ID: **20**

Type: **not specified**

Transverse Dynamics

Thursday 14 January 2021 13:15 (45 minutes)

Moderator: Nuria Fuster Martinez

Author: GARCIA MORALES, Hector (University of Oxford)

Presenter: GARCIA MORALES, Hector (University of Oxford)

Contribution ID: **21**

Type: **not specified**

Transverse Dynamics

Thursday 14 January 2021 14:00 (45 minutes)

Moderator: Nuria Fuster Martinez

Author: GARCIA MORALES, Hector (University of Oxford)

Presenter: GARCIA MORALES, Hector (University of Oxford)

Contribution ID: 22

Type: **not specified**

Transverse Dynamics

Thursday 14 January 2021 15:15 (45 minutes)

Moderator: Nuria Fuster Martinez

Author: GARCIA MORALES, Hector (University of Oxford)

Presenter: GARCIA MORALES, Hector (University of Oxford)

Contribution ID: 23

Type: **not specified**

Longitudinal Dynamics

Friday 15 January 2021 09:00 (45 minutes)

Moderator: Benoit Salvant

Author: METRAL, Elias (CERN)

Co-author: SALVANT, Benoit (CERN)

Presenters: SALVANT, Benoit (CERN); METRAL, Elias (CERN)

Contribution ID: **24**

Type: **not specified**

Longitudinal Dynamics

Friday 15 January 2021 09:45 (45 minutes)

Moderator: Benoit Salvant

Author: METRAL, Elias (CERN)

Co-author: SALVANT, Benoit (CERN)

Presenters: SALVANT, Benoit (CERN); METRAL, Elias (CERN)

Contribution ID: 25

Type: **not specified**

CERN Virtual visit

Contribution ID: 26

Type: **not specified**

Virtual visit to ALICE Experiment at LHC

Friday 15 January 2021 13:30 (1h 30m)

This event will be conducted as a Zoom Webinar launched from a separate Indico page. Please click on the link below to go to the page and then connect to Zoom using the link given there. The main JUAS Course 1 link will not work.

After the visit please come back to this page for the seminar.

Presenters: HATZIFOTIADOU, Despina (Universita e INFN, Bologna (IT)); JOWETT, John (GSI - Helmholtzzentrum fur Schwerionenforschung GmbH (DE)); DIVIA, Roberto (CERN)

Contribution ID: 27

Type: **not specified**

Introduction to CERN & its accelerator complex

Friday 15 January 2021 15:30 (45 minutes)

Moderator: John Jowett

Author: ALEMANY FERNANDEZ, Reyes (CERN)

Presenter: ALEMANY FERNANDEZ, Reyes (CERN)

Contribution ID: 28

Type: **not specified**

Virtual visit to CERN Control Centre

Author: ALEMANY FERNANDEZ, Reyes (CERN)

Presenter: ALEMANY FERNANDEZ, Reyes (CERN)

Contribution ID: 29

Type: **not specified**

Particle dynamics and optics

Wednesday 13 January 2021 11:00 (45 minutes)

Author: BIANCACCI, Nicolo (CERN)

Presenter: BIANCACCI, Nicolo (CERN)

Contribution ID: **30**

Type: **not specified**

Transverse Dynamics

Monday 18 January 2021 09:00 (45 minutes)

Author: GARCIA MORALES, Hector (University of Oxford)

Presenter: GARCIA MORALES, Hector (University of Oxford)

Contribution ID: **31**

Type: **not specified**

Transverse Dynamics

Monday 18 January 2021 09:45 (45 minutes)

Author: GARCIA MORALES, Hector (University of Oxford)

Presenter: GARCIA MORALES, Hector (University of Oxford)

Contribution ID: **32**

Type: **not specified**

Transverse Dynamics

Monday 18 January 2021 11:00 (45 minutes)

Author: GARCIA MORALES, Hector (University of Oxford)

Presenter: GARCIA MORALES, Hector (University of Oxford)

Contribution ID: 33

Type: **not specified**

Intro. to MAD-X

Monday 18 January 2021 13:15 (45 minutes)

Author: STERBINI, Guido (CERN)

Presenter: STERBINI, Guido (CERN)

Contribution ID: **34**

Type: **not specified**

MAD-X Workshop

Monday 18 January 2021 14:30 (45 minutes)

Author: STERBINI, Guido (CERN)

Co-authors: GARCIA MORALES, Hector (University of Oxford); FUSTER MARTINEZ, Nuria

Presenters: STERBINI, Guido (CERN); GARCIA MORALES, Hector (University of Oxford); FUSTER MARTINEZ, Nuria

Contribution ID: 35

Type: **not specified**

MAD-X Workshop

Author: STERBINI, Guido (CERN)

Presenter: STERBINI, Guido (CERN)

Contribution ID: **36**

Type: **not specified**

Transverse Dynamics

Tuesday 19 January 2021 09:00 (45 minutes)

Author: GARCIA MORALES, Hector (University of Oxford)

Presenter: GARCIA MORALES, Hector (University of Oxford)

Contribution ID: 37

Type: **not specified**

Transverse Dynamics

Tuesday 19 January 2021 09:45 (45 minutes)

Author: GARCIA MORALES, Hector (University of Oxford)

Presenter: GARCIA MORALES, Hector (University of Oxford)

Contribution ID: **38**

Type: **not specified**

Transverse Dynamics

Tuesday 19 January 2021 11:00 (45 minutes)

Author: GARCIA MORALES, Hector (University of Oxford)

Presenter: GARCIA MORALES, Hector (University of Oxford)

Contribution ID: **39**

Type: **not specified**

Longitudinal Dynamics

Tuesday 19 January 2021 13:15 (45 minutes)

Moderator: Benoit Salvant

Author: METRAL, Elias (CERN)

Co-author: SALVANT, Benoit (CERN)

Presenters: SALVANT, Benoit (CERN); METRAL, Elias (CERN)

Contribution ID: 40

Type: **not specified**

MAD-X Workshop

Tuesday 19 January 2021 14:30 (45 minutes)

Author: STERBINI, Guido (CERN)

Co-authors: GARCIA MORALES, Hector (University of Oxford); FUSTER MARTINEZ, Nuria

Presenters: STERBINI, Guido (CERN); GARCIA MORALES, Hector (University of Oxford); FUSTER MARTINEZ, Nuria

Contribution ID: 41

Type: **not specified**

MAD-X Workshop

Tuesday 19 January 2021 15:15 (45 minutes)

Author: STERBINI, Guido (CERN)

Co-authors: GARCIA MORALES, Hector (University of Oxford); FUSTER MARTINEZ, Nuria

Presenters: STERBINI, Guido (CERN); GARCIA MORALES, Hector (University of Oxford); FUSTER MARTINEZ, Nuria

Contribution ID: 42

Type: **not specified**

MAD-X Workshop

Monday 18 January 2021 15:15 (45 minutes)

Author: STERBINI, Guido (CERN)

Co-authors: GARCIA MORALES, Hector (University of Oxford); FUSTER MARTINEZ, Nuria

Presenters: STERBINI, Guido (CERN); GARCIA MORALES, Hector (University of Oxford); FUSTER MARTINEZ, Nuria

Contribution ID: 43

Type: **not specified**

Longitudinal Dynamics

Wednesday 20 January 2021 09:00 (45 minutes)

Moderator: Benoit Salvant

Author: SALVANT, Benoit (CERN)

Co-author: METRAL, Elias (CERN)

Presenters: SALVANT, Benoit (CERN); METRAL, Elias (CERN)

Contribution ID: 44

Type: **not specified**

Longitudinal Dynamics

Wednesday 20 January 2021 09:45 (45 minutes)

Moderator: Benoit Salvant

Author: SALVANT, Benoit (CERN)

Co-author: METRAL, Elias (CERN)

Presenters: SALVANT, Benoit (CERN); METRAL, Elias (CERN)

Contribution ID: 45

Type: **not specified**

Longitudinal Dynamics

Wednesday 20 January 2021 11:00 (45 minutes)

Moderator: Benoit Salvant

Author: SALVANT, Benoit (CERN)

Co-author: METRAL, Elias (CERN)

Presenters: SALVANT, Benoit (CERN); METRAL, Elias (CERN)

Contribution ID: 46

Type: **not specified**

Linacs

Friday 22 January 2021 09:00 (45 minutes)

Moderator: Fabio Cardelli

Author: ALESINI, David

Presenter: ALESINI, David

Contribution ID: 47

Type: **not specified**

Linacs

Friday 22 January 2021 09:45 (45 minutes)

Moderator: Fabio Cardelli

Author: ALESINI, David

Presenter: ALESINI, David

Contribution ID: **48**

Type: **not specified**

Linacs

Friday 22 January 2021 11:00 (45 minutes)

Moderator: Fabio Cardelli

Author: ALESINI, David

Presenter: ALESINI, David

Contribution ID: 49

Type: **not specified**

Longitudinal Dynamics

Author: SALVANT, Benoit (CERN)

Co-author: METRAL, Elias (CERN)

Presenters: SALVANT, Benoit (CERN); METRAL, Elias (CERN)

Contribution ID: 50

Type: **not specified**

Longitudinal Dynamics

Thursday 21 January 2021 09:00 (1h 20m)

All participants will be split in two groups:

- Group 1 (Benoit Salvant): PyHEADTAIL simulations
- Group 2 (Elias Metral): Tutorial on a past exam

After the morning break, we will swap the two groups.

Author: SALVANT, Benoit (CERN)

Co-author: METRAL, Elias (CERN)

Presenters: SALVANT, Benoit (CERN); METRAL, Elias (CERN)

Contribution ID: 51

Type: **not specified**

Longitudinal Dynamics

Thursday 21 January 2021 10:40 (1h 20m)

We will swap the two groups:

- Group 2 (Benoit Salvant): PyHEADTAIL simulations
- Group 1 (Elias Metral): Tutorial on a past exam

Author: SALVANT, Benoit (CERN)

Co-author: METRAL, Elias (CERN)

Presenters: SALVANT, Benoit (CERN); METRAL, Elias (CERN)

Contribution ID: 52

Type: **not specified**

Longitudinal Dynamics

Moderator: Benoit Salvant

Author: SALVANT, Benoit (CERN)

Co-author: METRAL, Elias (CERN)

Presenters: SALVANT, Benoit (CERN); METRAL, Elias (CERN)

Contribution ID: 53

Type: **not specified**

Linacs

Thursday 21 January 2021 13:15 (45 minutes)

Moderator: Fabio Cardelli

Author: ALESINI, David

Presenter: ALESINI, David

Contribution ID: 54

Type: **not specified**

Linacs

Thursday 21 January 2021 14:00 (45 minutes)

Moderator: Fabio Cardelli

Author: ALESINI, David

Presenter: ALESINI, David

Contribution ID: 55

Type: **not specified**

Linacs

Thursday 21 January 2021 15:15 (45 minutes)

Moderator: Fabio Cardelli

Author: ALESINI, David

Presenter: ALESINI, David

Contribution ID: 56

Type: **not specified**

Longitudinal Dynamics

Author: METRAL, Elias (CERN)

Co-author: SALVANT, Benoit (CERN)

Presenters: SALVANT, Benoit (CERN); METRAL, Elias (CERN)

Contribution ID: 57

Type: **not specified**

Longitudinal Dynamics

Author: METRAL, Elias (CERN)

Co-author: SALVANT, Benoit (CERN)

Presenters: SALVANT, Benoit (CERN); METRAL, Elias (CERN)

Contribution ID: 58

Type: **not specified**

Longitudinal Dynamics

Author: METRAL, Elias (CERN)

Co-author: SALVANT, Benoit (CERN)

Presenters: SALVANT, Benoit (CERN); METRAL, Elias (CERN)

Contribution ID: 59

Type: **not specified**

MAD-X Workshop

Friday 22 January 2021 13:15 (45 minutes)

Author: STERBINI, Guido (CERN)

Co-authors: GARCIA MORALES, Hector (University of Oxford); FUSTER MARTINEZ, Nuria

Presenters: STERBINI, Guido (CERN); GARCIA MORALES, Hector (University of Oxford); FUSTER MARTINEZ, Nuria

Contribution ID: **60**

Type: **not specified**

MAD-X Workshop

Friday 22 January 2021 14:00 (45 minutes)

Author: STERBINI, Guido (CERN)

Co-authors: GARCIA MORALES, Hector (University of Oxford); FUSTER MARTINEZ, Nuria

Presenters: STERBINI, Guido (CERN); GARCIA MORALES, Hector (University of Oxford); FUSTER MARTINEZ, Nuria

Contribution ID: **61**

Type: **not specified**

Future High-Energy Linear Colliders

Friday 22 January 2021 15:15 (45 minutes)

Seminar

Moderator: Andrea Latina

Author: RINOLFI, Louis (European Scientific Institute (FR))

Presenter: RINOLFI, Louis (European Scientific Institute (FR))

Contribution ID: **62**

Type: **not specified**

Linear imperfections

Monday 25 January 2021 09:00 (45 minutes)

Moderator: Fanouria Antoniou

Author: BARTOSIK, Hannes (CERN)

Presenter: BARTOSIK, Hannes (CERN)

Contribution ID: **63**

Type: **not specified**

Linear imperfections

Monday 25 January 2021 09:45 (45 minutes)

Moderator: Fanouria Antoniou

Author: BARTOSIK, Hannes (CERN)

Presenter: BARTOSIK, Hannes (CERN)

Contribution ID: **64**

Type: **not specified**

Linear imperfections

Monday 25 January 2021 11:00 (45 minutes)

Moderator: Fanouria Antoniou

Author: BARTOSIK, Hannes (CERN)

Presenter: BARTOSIK, Hannes (CERN)

Contribution ID: 65

Type: **not specified**

Accelerator design

Monday 25 January 2021 13:15 (45 minutes)

Moderator: B. Haerer

Author: HOLZER, Bernhard (CERN)

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: **66**

Type: **not specified**

Accelerator design

Monday 25 January 2021 14:00 (45 minutes)

Moderator: B. Haerer

Author: HOLZER, Bernhard (CERN)

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: **67**

Type: **not specified**

Accelerator design

Monday 25 January 2021 15:15 (45 minutes)

Moderator: B. Haerer

Author: HOLZER, Bernhard (CERN)

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: **68**

Type: **not specified**

Synchrotron radiation

Tuesday 26 January 2021 09:00 (45 minutes)

Author: Dr ISCHEBECK, Rasmus (Paul Scherrer Institut)

Presenter: Dr ISCHEBECK, Rasmus (Paul Scherrer Institut)

Contribution ID: **69**

Type: **not specified**

Synchrotron radiation

Tuesday 26 January 2021 09:45 (45 minutes)

Author: Dr ISCHEBECK, Rasmus (Paul Scherrer Institut)

Presenter: Dr ISCHEBECK, Rasmus (Paul Scherrer Institut)

Contribution ID: 70

Type: **not specified**

Synchrotron radiation (Tutorial)

Tuesday 26 January 2021 11:00 (45 minutes)

Moderator: John Jowett

Author: Dr ISCHEBECK, Rasmus (Paul Scherrer Institut)

Presenter: Dr ISCHEBECK, Rasmus (Paul Scherrer Institut)

Contribution ID: 71

Type: **not specified**

Accelerator design

Wednesday 27 January 2021 13:15 (45 minutes)

Moderator: B. Haerer

Author: HOLZER, Bernhard (CERN)

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: 72

Type: **not specified**

Accelerator design

Wednesday 27 January 2021 14:00 (45 minutes)

Moderator: B. Haerer

Author: HOLZER, Bernhard (CERN)

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: 73

Type: **not specified**

Accelerator design

Wednesday 27 January 2021 15:15 (45 minutes)

Moderator: B. Haerer

Author: HOLZER, Bernhard (CERN)

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: 74

Type: **not specified**

Synchrotron Radiation

Wednesday 27 January 2021 09:00 (45 minutes)

Author: ISCHEBECK, Rasmus (Paul Scherrer Institut)

Presenter: ISCHEBECK, Rasmus (Paul Scherrer Institut)

Contribution ID: 75

Type: **not specified**

Synchrotron Radiation

Wednesday 27 January 2021 09:45 (45 minutes)

Author: ISCHEBECK, Rasmus (Paul Scherrer Institut)

Presenter: ISCHEBECK, Rasmus (Paul Scherrer Institut)

Contribution ID: 76

Type: **not specified**

Free-electron lasers

Wednesday 27 January 2021 11:00 (45 minutes)

Moderator: John Jowett

Author: PRAT COSTA, Eduard (PSI - Paul Scherrer Institute)

Presenter: PRAT COSTA, Eduard (PSI - Paul Scherrer Institute)

Contribution ID: 77

Type: **not specified**

Linear imperfections

Tuesday 26 January 2021 13:15 (45 minutes)

Moderator: Fanouria Antoniou

Author: BARTOSIK, Hannes (CERN)

Presenter: BARTOSIK, Hannes (CERN)

Contribution ID: 78

Type: **not specified**

Linear imperfections

Tuesday 26 January 2021 14:00 (45 minutes)

Moderator: Fanouria Antoniou

Author: BARTOSIK, Hannes (CERN)

Presenter: BARTOSIK, Hannes (CERN)

Contribution ID: 79

Type: **not specified**

Linear imperfections

Tuesday 26 January 2021 15:15 (45 minutes)

Moderator: Fanouria Antoniou

Author: BARTOSIK, Hannes (CERN)

Presenter: BARTOSIK, Hannes (CERN)

Contribution ID: **80**

Type: **not specified**

Synchrotron Radiation (Tutorial)

Thursday 28 January 2021 09:00 (45 minutes)

Moderator: Elias Metral

Author: ISCHEBECK, Rasmus (Paul Scherrer Institut)

Presenter: ISCHEBECK, Rasmus (Paul Scherrer Institut)

Contribution ID: **81**

Type: **not specified**

Beam dynamics in electron rings

Author: ISCHEBECK, Rasmus (Paul Scherrer Institut)

Presenter: ISCHEBECK, Rasmus (Paul Scherrer Institut)

Contribution ID: **82**

Type: **not specified**

Electron-positron circular colliders

Thursday 28 January 2021 09:45 (45 minutes)

Moderator: John Jowett

Presenter: ZIMMERMANN, Frank (CERN)

Contribution ID: **83**

Type: **not specified**

Non-linear effects

Thursday 28 January 2021 13:15 (45 minutes)

Moderator: Fanouria Antoniou

Author: BARTOSIK, Hannes (CERN)

Presenter: BARTOSIK, Hannes (CERN)

Contribution ID: **84**

Type: **not specified**

Non-linear effects

Thursday 28 January 2021 14:00 (45 minutes)

Moderator: Fanouria Antoniou

Author: BARTOSIK, Hannes (CERN)

Presenter: BARTOSIK, Hannes (CERN)

Contribution ID: 85

Type: **not specified**

Non-linear effects

Thursday 28 January 2021 15:15 (45 minutes)

Moderator: Fanouria Antoniou

Author: BARTOSIK, Hannes (CERN)

Presenter: BARTOSIK, Hannes (CERN)

Contribution ID: **86**

Type: **not specified**

ESRF: Intro, Scientific case & facility

Friday 29 January 2021 09:00 (1h 15m)

ESRF = European Synchrotron Radiation Facility (Grenoble, France)

Specific ZOOM LINK for this morning session!

<https://esrf.zoom.us/j/95168977487?pwd=VElhTlFjMDVoaUptNVAvTnRkWVVjdz09>

(Meeting ID: 951 6897 7487 - Passcode: 111994)

Author: Dr REVOL, jean-luc (ESRF)

Presenter: Dr REVOL, jean-luc (ESRF)

Contribution ID: **87**

Type: **not specified**

Injection / Extraction

Friday 29 January 2021 13:15 (45 minutes)

Author: PERRON, Thomas (ESRF)

Presenter: PERRON, Thomas (ESRF)

Contribution ID: **88**

Type: **not specified**

Injection / Extraction

Friday 29 January 2021 14:00 (45 minutes)

Author: PERRON, Thomas (ESRF)

Presenter: PERRON, Thomas (ESRF)

Contribution ID: **89**

Type: **not specified**

Synchrotron radiation

Monday 1 February 2021 09:00 (45 minutes)

Author: ISCHEBECK, Rasmus (Paul Scherrer Institut)

Presenter: ISCHEBECK, Rasmus (Paul Scherrer Institut)

Contribution ID: **90**

Type: **not specified**

Synchrotron radiation

Monday 1 February 2021 09:45 (45 minutes)

Author: ISCHEBECK, Rasmus (Paul Scherrer Institut)

Presenter: ISCHEBECK, Rasmus (Paul Scherrer Institut)

Contribution ID: **91**

Type: **not specified**

Synchrotron radiation (Tutorial)

Monday 1 February 2021 11:00 (45 minutes)

Moderator: Elias Metral

Author: ISCHEBECK, Rasmus (Paul Scherrer Institut)

Presenter: ISCHEBECK, Rasmus (Paul Scherrer Institut)

Contribution ID: 92

Type: **not specified**

Space charge and instabilities

Monday 1 February 2021 13:15 (45 minutes)

Moderator: Fabio Bosco

Author: MIGLIORATI, Mauro (University of Rome "LA SAPIENZA")

Presenter: MIGLIORATI, Mauro (University of Rome "LA SAPIENZA")

Contribution ID: 93

Type: **not specified**

Space charge and instabilities

Monday 1 February 2021 14:00 (45 minutes)

Moderator: Fabio Bosco

Author: MIGLIORATI, Mauro (University of Rome "LA SAPIENZA")

Presenter: MIGLIORATI, Mauro (University of Rome "LA SAPIENZA")

Contribution ID: 94

Type: **not specified**

Space charge and instabilities

Monday 1 February 2021 15:15 (45 minutes)

Moderator: Fabio Bosco

Author: MIGLIORATI, Mauro (University of Rome "LA SAPIENZA")

Presenter: MIGLIORATI, Mauro (University of Rome "LA SAPIENZA")

Contribution ID: 95

Type: **not specified**

The US Electron-Ion Collider

Monday 1 February 2021 16:10 (45 minutes)

Moderator: John Jowett

Presenter: SATOGATA, Todd (Jefferson Lab)

Contribution ID: **96**

Type: **not specified**

Cyclotrons & FFAs

Tuesday 2 February 2021 09:00 (45 minutes)

Speaker: Bertrand Jacquot
(Moderator: Elias Metral)

Contribution ID: 97

Type: **not specified**

Cyclotrons & FFAs

Tuesday 2 February 2021 09:45 (45 minutes)

Speaker: Bertrand Jacquot
(Moderator: Elias Metral)

Contribution ID: **98**

Type: **not specified**

Cyclotrons & FFAs

Tuesday 2 February 2021 11:00 (45 minutes)

Speaker: Bertrand Jacquot
(Moderator: Elias Metral)

Contribution ID: 99

Type: **not specified**

Intro. to the Mini-Workshop (Accelerator Design)

Tuesday 2 February 2021 13:15 (45 minutes)

Moderators: B. Haerer, Kevin André, Adrian Oeftiger, Jens Schaefer

Author: HOLZER, Bernhard (CERN)

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: **100**

Type: **not specified**

Intro. to the Mini-Workshop (Accelerator Design)

Tuesday 2 February 2021 14:00 (45 minutes)

Moderators: B. Haerer, Kevin André, Adrian Oeftiger, Jens Schaefer

Author: HOLZER, Bernhard (CERN)

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: **101**

Type: **not specified**

Intro. to the Mini-Workshop (Accelerator Design)

Tuesday 2 February 2021 15:15 (45 minutes)

Moderators: B. Haerer, Kevin André, Adrian Oeftiger, Jens Schaefer

Author: HOLZER, Bernhard (CERN)

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: **102**

Type: **not specified**

Space charge and instabilities

Wednesday 3 February 2021 09:00 (45 minutes)

Moderator: Fabio Bosco

Author: MIGLIORATI, Mauro (University of Rome "LA SAPIENZA")

Presenter: MIGLIORATI, Mauro (University of Rome "LA SAPIENZA")

Contribution ID: **103**

Type: **not specified**

Space charge and instabilities

Wednesday 3 February 2021 09:45 (45 minutes)

Moderator: Fabio Bosco

Author: MIGLIORATI, Mauro (University of Rome "LA SAPIENZA")

Presenter: MIGLIORATI, Mauro (University of Rome "LA SAPIENZA")

Contribution ID: **104**

Type: **not specified**

Space charge and instabilities

Wednesday 3 February 2021 11:00 (45 minutes)

Moderator: Fabio Bosco

Author: MIGLIORATI, Mauro (University of Rome "LA SAPIENZA")

Presenter: MIGLIORATI, Mauro (University of Rome "LA SAPIENZA")

Contribution ID: **105**

Type: **not specified**

Cyclotrons & FFAs

Wednesday 3 February 2021 13:15 (45 minutes)

Speaker: Bertrand Jacquot
(Moderator: Elias Metral)

Contribution ID: **106**

Type: **not specified**

Cyclotrons & FFAs

Wednesday 3 February 2021 14:00 (45 minutes)

Speaker: Bertrand Jacquot
(Moderator: Elias Metral)

Contribution ID: **107**

Type: **not specified**

Cyclotrons & FFAs

Wednesday 3 February 2021 15:15 (45 minutes)

Speaker: Bertrand Jacquot
(Moderator: Elias Metral)

Contribution ID: **108**

Type: **not specified**

Novel High Gradient Particle Accelerators

Tuesday 26 January 2021 16:15 (45 minutes)

Moderator: John Jowett

Author: ASSMANN, Ralph Wolfgang (DESY)

Presenter: ASSMANN, Ralph Wolfgang (DESY)

Contribution ID: **109**

Type: **not specified**

Space charge and instabilities

Thursday 4 February 2021 09:00 (45 minutes)

Moderator: Fabio Bosco

Author: MIGLIORATI, Mauro (University of Rome "LA SAPIENZA")

Presenter: MIGLIORATI, Mauro (University of Rome "LA SAPIENZA")

Contribution ID: **110**

Type: **not specified**

Space charge and instabilities

Thursday 4 February 2021 09:45 (45 minutes)

Moderator: Fabio Bosco

Author: MIGLIORATI, Mauro (University of Rome "LA SAPIENZA")

Presenter: MIGLIORATI, Mauro (University of Rome "LA SAPIENZA")

Contribution ID: **111**

Type: **not specified**

Space charge and instabilities

Thursday 4 February 2021 11:00 (45 minutes)

Moderator: Fabio Bosco

Author: MIGLIORATI, Mauro (University of Rome "LA SAPIENZA")

Presenter: MIGLIORATI, Mauro (University of Rome "LA SAPIENZA")

Contribution ID: **112**

Type: **not specified**

Intro. to the Mini-Workshop (Accelerator Design)

Thursday 4 February 2021 13:15 (45 minutes)

Moderators: B. Haerer, Kevin André, Adrian Oeftiger, Jens Schaefer

Author: HOLZER, Bernhard (CERN)

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: **113**

Type: **not specified**

Intro. to the Mini-Workshop (Accelerator Design)

Thursday 4 February 2021 14:00 (45 minutes)

Moderators: B. Haerer, Kevin André, Adrian Oeftiger, Jens Schaefer

Author: HOLZER, Bernhard (CERN)

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: **114**

Type: **not specified**

Intro. to the Mini-Workshop (Accelerator Design)

Thursday 4 February 2021 15:15 (45 minutes)

Moderators: B. Haerer, Kevin André, Adrian Oeftiger, Jens Schaefer

Author: HOLZER, Bernhard (CERN)

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: **115**

Type: **not specified**

Non-linear effects

Friday 5 February 2021 09:00 (45 minutes)

Moderator: Fanouria Antoniou

Author: BARTOSIK, Hannes (CERN)

Presenter: BARTOSIK, Hannes (CERN)

Contribution ID: **116**

Type: **not specified**

Non-linear effects

Friday 5 February 2021 09:45 (45 minutes)

Moderator: Fanouria Antoniou

Author: BARTOSIK, Hannes (CERN)

Presenter: BARTOSIK, Hannes (CERN)

Contribution ID: **117**

Type: **not specified**

Intro. to the Mini-Workshop (Accelerator Design)

Friday 5 February 2021 11:00 (45 minutes)

Moderators: B. Haerer, Kevin André, Adrian Oeftiger, Jens Schaefer

Author: HOLZER, Bernhard (CERN)

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: **118**

Type: **not specified**

Oral Presentation of Accelerator Design (cf. Intro. to the Mini-Workshop)

Friday 5 February 2021 13:15 (15 minutes)

Group 1

(Topic 1: Basic parameter set and general design aspects)

Tutor: Adrian Oeftiger (GSI)

Author: HOLZER, Bernhard (CERN)

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: **119**

Type: **not specified**

Students Presentation of Accelerator Design (cf. Intro. to the Mini-Workshop)

Moderators: B. Haerer, Kevin André, Adrian Oeftiger, Jens Schaefer

Author: HOLZER, Bernhard (CERN)

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: **120**

Type: **not specified**

Conclusion / Final remarks (Accelerator Design: Lecturers & Workshops)

Friday 5 February 2021 15:25 (35 minutes)

Moderators: B. Haerer, Kevin André, Adrian Oeftiger, Jens Schaefer

Author: HOLZER, Bernhard (CERN)

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: **121**

Type: **not specified**

Discussion: Summary of JUAS Lectures

Thursday 11 February 2021 11:00 (45 minutes)

Author: JOWETT, John (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE))

Presenter: JOWETT, John (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE))

Contribution ID: **122**

Type: **not specified**

LHC & Future High-Energy Circular Collider

Thursday 28 January 2021 11:00 (45 minutes)

Moderator: John Jowett

Author: BRUNING, Oliver (CERN)

Presenter: BRUNING, Oliver (CERN)

Contribution ID: **123**

Type: **not specified**

Particle dynamics and optics

Author: BIANCACCI, Nicolo (CERN)

Presenter: BIANCACCI, Nicolo (CERN)

Contribution ID: **124**

Type: **not specified**

Longitudinal Dynamics

Wednesday 20 January 2021 13:15 (45 minutes)

Moderator: Benoit Salvant

Author: SALVANT, Benoit (CERN)

Co-author: METRAL, Elias (CERN)

Presenters: SALVANT, Benoit (CERN); METRAL, Elias (CERN)

Contribution ID: **125**

Type: **not specified**

Longitudinal Dynamics

Wednesday 20 January 2021 15:15 (45 minutes)

Moderator: Benoit Salvant

Author: SALVANT, Benoit (CERN)

Co-author: METRAL, Elias (CERN)

Presenters: SALVANT, Benoit (CERN); METRAL, Elias (CERN)

Contribution ID: **126**

Type: **not specified**

Longitudinal Dynamics

Wednesday 20 January 2021 14:00 (45 minutes)

Moderator: Benoit Salvant

Author: SALVANT, Benoit (CERN)

Co-author: METRAL, Elias (CERN)

Presenters: SALVANT, Benoit (CERN); METRAL, Elias (CERN)

Contribution ID: **127**

Type: **not specified**

PERMANENT ZOOM LINK COURSE 1

Monday 11 January 2021 08:00 (1 hour)

<https://zoom.us/j/2630908039?pwd=NnRBNW42b2h3akhjVWxYMCszbzY0dz09>

Meeting ID : 263 090 8039

Password : 74160

Contribution ID: **128**

Type: **not specified**

Presentation of participants

Monday 11 January 2021 11:45 (55 minutes)

Contribution ID: **129**

Type: **not specified**

Virtual visit to SYNCHROTRON SOLEIL

Monday 18 January 2021 16:30 (1 hour)

Author: AMORIM, David (CERN / Universite Grenoble-Alpes (FR))

Presenter: AMORIM, David (CERN / Universite Grenoble-Alpes (FR))

Contribution ID: **130**

Type: **not specified**

Oral Presentation of Accelerator Design (cf. Intro. to the Mini-Workshop)

Friday 5 February 2021 13:35 (15 minutes)

Group 2

(Topic 1: Basic parameter set and general design aspects)

Tutor: Adrian Oeftiger (GSI)

Author: HOLZER, Bernhard (CERN)

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: **131**

Type: **not specified**

Oral Presentation of Accelerator Design (cf. Intro. to the Mini-Workshop)

Friday 5 February 2021 13:55 (15 minutes)

Group 3

(Topic 2: Synchrotron radiation emission and radio-frequency sections)

Tutor: Kevin André (CERN)

Author: HOLZER, Bernhard (CERN)

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: **132**

Type: **not specified**

Oral Presentation of Accelerator Design (cf. Intro. to the Mini-Workshop)

Friday 5 February 2021 14:15 (15 minutes)

Group 4

(Topic 2: Synchrotron radiation emission and radio-frequency sections)

Tutor: Kevin André (CERN)

Author: HOLZER, Bernhard (CERN)

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: 133

Type: **not specified**

Oral Presentation of Accelerator Design (cf. Intro. to the Mini-Workshop)

Friday 5 February 2021 14:45 (15 minutes)

Group 5

(Topic 3: Lattice design in MAD-X)

Tutor: Jens Schäfer, Bastian Härer (KIT)

Author: HOLZER, Bernhard (CERN)

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: 134

Type: **not specified**

Oral Presentation of Accelerator Design (cf. Intro. to the Mini-Workshop)

Friday 5 February 2021 15:05 (15 minutes)

Group 6

(Topic 3: Lattice design in MAD-X)

Tutor: Jens Schäfer, Bastian Härer (KIT)

Author: HOLZER, Bernhard (CERN)

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: **135**

Type: **not specified**

Injection / Extraction

Friday 29 January 2021 15:15 (45 minutes)

Author: PERRON, Thomas (ESRF)

Presenter: PERRON, Thomas (ESRF)

Contribution ID: **136**

Type: **not specified**

ESRF: Virtual visit (control room & beamline)

Friday 29 January 2021 10:30 (1h 15m)

ESRF = European Synchrotron Radiation Facility (Grenoble, France)

Specific ZOOM LINK for this morning session!

<https://esrf.zoom.us/j/95168977487?pwd=VElhTlFjMDVoaUptNVAvTnRkWVVjdz09>

(Meeting ID: 951 6897 7487 - Passcode: 111994)

Author: Dr REVOL, jean-luc (ESRF)

Presenter: Dr REVOL, jean-luc (ESRF)