

Mid Term MET Workshop

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Workshop

ENEA

23-25 March 2020
ZOOM videoconference
by remote participation

Report of Contributions

Contribution ID: 1

Type: **not specified**

Opening (Fulvio Zonca)

Monday, 23 March 2020 09:00 (5 minutes)

Presenter: ZONCA, Fulvio (ENEA C.R. Frascati)

Session Classification: Session I

Contribution ID: 2

Type: **not specified**

Status of MET Project (Fulvio Zonca)

Monday, 23 March 2020 09:05 (15 minutes)

Presenter: ZONCA, Fulvio (ENEA C.R. Frascati)

Session Classification: Session I

Contribution ID: 3

Type: **not specified**

Update on EP-AUG experiments and analysis (Philipp Lauber)

Monday, 23 March 2020 09:20 (45 minutes)

Presenter: LAUBER, Philipp (IPP)

Session Classification: Session I

Contribution ID: 4

Type: **not specified**

Energetic particle nonlinear equilibria and reduced models for transport processes (Matteo V. Falessi)

Monday, 23 March 2020 10:05 (45 minutes)

Presenter: FALESSI, matteo Valerio (ENEA C.R. Frascati - ENEA for EUROfusion)

Session Classification: Session I

Contribution ID: 5

Type: **not specified**

Progress in AE and EGAM simulations for the AUG NLED case (Francesco Vannini)

Monday, 23 March 2020 11:20 (30 minutes)

Presenter: VANNINI, Francesco (IPP)

Session Classification: Session II

Contribution ID: 6

Type: **not specified**

Trasport in the beam-plasma system: self-consistency issue and extension of the QL model (Update on WP2) (Nakia Carlevaro)

Monday, 23 March 2020 11:50 (45 minutes)

Presenter: CARLEVARO, Nakia (ENEA, Fusion and Nuclear Safety Department, C. R. Frascati, Via E. Fermi 45, 00044 Frascati (Roma), Italy)

Session Classification: Session II

Contribution ID: 7

Type: **not specified**

Benchmarks between HYMAGYC, HMGC, MEGA and ORB5 on Alfvénic modes driven by Energetic Particles (Gregorio Vlad, Sergio Briguglio & WP3 Team)

Tuesday, 24 March 2020 09:00 (45 minutes)

Presenters: VLAD, Gregorio (ENEA-FSN-FUSPHY-TSM); BRIGUGLIO, Sergio (ENEA)

Session Classification: Session I

Contribution ID: 8

Type: **not specified**

Simulation of Alfvénic instabilities and energetic particle transport in stellarators (Axel Könies)

Tuesday, 24 March 2020 09:45 (45 minutes)

Presenter: Dr KÖNIES, Axel (Max-Planck-Institute for Plasma Physics (IPP))

Session Classification: Session I

Contribution ID: 9

Type: **not specified**

Update on WP4 - Energetic ion transport induced by tearing modes (David Zarzoso & WP4 Team)

Tuesday, 24 March 2020 11:00 (45 minutes)

Presenter: ZARZOSO, David (Aix-Marseille Université, CNRS, PIIM UMR 734)

Session Classification: Session II

Contribution ID: **10**

Type: **not specified**

Effects of the non-perturbative mode structure on energetic particle transport (Guo Meng)

Tuesday, 24 March 2020 11:45 (30 minutes)

Presenter: MENG, Guo

Session Classification: Session II

Contribution ID: 11

Type: **not specified**

Alfvén wave simulation using implicit particle scheme (Zhixin Lu)

Presenter: LU, Zhixin (Max-Planck Institute of Plasma Physics)

Session Classification: Session II

Contribution ID: 12

Type: **not specified**

Updates on WP1&WP2 activities (Fulvio Zonca)

Wednesday, 25 March 2020 10:35 (30 minutes)

Presenter: ZONCA, Fulvio (ENEA C.R. Frascati)

Session Classification: Session I

Contribution ID: 13

Type: **not specified**

Objectives and milestones of MET Project (Fulvio Zonca)

Wednesday, 25 March 2020 11:05 (30 minutes)

Presenter: ZONCA, Fulvio (ENEA C.R. Frascati)

Session Classification: Session I

Contribution ID: 14

Type: **not specified**

Closing Discussion and Adjourn (MET Team)

Wednesday, 25 March 2020 11:35 (55 minutes)

Presenter: TEAM, MET

Session Classification: Session I

Contribution ID: 15

Type: **not specified**

Alfvén wave simulation using implicit particle scheme: from 1D to torus geometry (Zhixin Lu)

Wednesday, 25 March 2020 10:00 (15 minutes)

Presenter: LU, Zhixin

Session Classification: Session I

Contribution ID: 16

Type: **not specified**

Gyro-kinetic simulations of kink instabilities (A. Mishchenko)

Wednesday, 25 March 2020 10:15 (20 minutes)

Presenter: MISHCHENKO, Alexey

Session Classification: Session I