

Session Program

1-4 Jul 2019



CompactLight Midterm Review 2019

WP Activity Report

Hotel Rantapuisto
Helsinki, Finland

Monday 1 July

17:10

WP Activity Report: WP7

Session | **Location:** Hotel Rantapuisto, Helsinki, Finland

17:10–17:15 **Introduction on status of WP7 Activities**

Speaker

Regina Alexandra Rochow-Carbone

17:15–17:30 **Project Breakdown Structure**

Speaker

Carlo Rossi

17:30–17:50 **Cost Analyses & Technology Transfer**

Speaker

Evangelos Gazis

17:50–18:00 **Action Plan for Use of XLS Technology**

Speaker

Regina Alexandra Rochow-Carbone

18:00–18:15 **EDMS Data & Document Storage**

Speaker

Markus Aicheler

18:15–18:30 **Discussion**

Speaker

All

18:30

Tuesday 2 July

09:00

WP Activity Report: WP2

Session | **Location:** Hotel Rantapuisto, Helsinki, Finland

09:00–09:25

CompactLight layout and next steps for WP2

Speaker

Prof. James Anthony Clarke

Location

Hotel Rantapuisto, Helsinki, Finland

09:25–09:40

Schemes for the simultaneous operation of soft and hard X-rayFEL beamlines

Speaker

Simone Di Mitri

Location

Hotel Rantapuisto, Helsinki, Finland

09:40–09:55

Consideration of the photon beamline design for CompactLight

Speaker

Vitaliy Goryashko

Location

Hotel Rantapuisto, Helsinki, Finland

09:55–10:10

XARA - A potential application of CompactLight Technology

Speaker

Neil Thompson/Louise Cowie

Location

Hotel Rantapuisto, Helsinki, Finland

10:10–10:30

Discussion

Speaker

All

Location

Hotel Rantapuisto, Helsinki, Finland

10:30

11:00

WP Activity Report: WP3

Session | **Location:** Hotel Rantapuisto, Helsinki, Finland

11:00–11:10

Introduction on Status of WP3 and D3.1

Speaker

massimo ferrario

11:10–11:20

Review of magnetic bunch compression schemes for CompactLight

Speaker

Simone Di Mitri

11:20–11:30

C-band gun design and high repetition rate challenges

Speaker

David Alesini

11:30-11:40 Compact S+X Injector scheme

Speaker

Andrea Latina

11:40-11:50 X-Band RF electron gun injector design

Speaker

Daniel Gonzales-Iglesias

11:50-12:00 A possible electron gun for the 36 GHz gyro-klystron

Speaker

Bruno Spataro

12:00-12:10 3D design efforts for the e-gun

Speaker

Eugene Tanke

12:10-12:30 Discussion

Speaker

All

12:30

14:00

WP Activity Report: WP4

Session | **Location:** Hotel Rantapuisto, Helsinki, Finland

14:00-14:15 Introduction on Status of WP4 Activities

Speaker

Walter Wuensch

14:15-14:30

Review of the baseline rf module design (and development of high repetition rate capability)

Speaker

David Alesini

14:30-14:45 Linac layout

Speaker

Markus Aicheler

14:45-15:00

Progress towards the 36 GHz, 3 MW, 2 μ s and 1 kHz gyroklystron plus 48 GHz gyroklystron

Speaker

Laurence Nix

15:00-15:15 Plans for & progress on Industrialisation

Speaker

Miranda Van den Berg

15:15-15:30 Discussion

15:30

Speaker

All

16:00

WP Activity Report: WP5**Session** | **Location:** Hotel Rantapuisto, Helsinki, Finland

16:00–16:03

Introduction on Status of WP5 Activities**Speaker**

Dr Federico Nguyen

16:03–16:15

Overview on Permanent Magnet Undulators**Speaker**

Jordi Marcos

16:15–16:27

Overview on Superconducting Undulators**Speaker**

Axel Bernhard

16:27–16:39

Overview on Exotic Undulators**Speaker**

Adrian Cross

16:39–16:51

Alternative FEL schemes and undulators for a Compact device**Speaker**

Giuseppe Dattoli

16:51–17:03

Quantitative analysis of undulator technologies for CompactLight FEL**Speaker**

Neil Thompson

17:03–17:15

Variable polarisation & Two-Colour Schemes**Speaker**

Hector Mauricio Castaneda Cortes

17:15–17:30

Discussion**Speaker**

All

17:30

Wednesday 3 July

09:00

WP Activity Report: WP6

Session | **Location:** Hotel Rantapuisto, Helsinki, Finland

09:00–09:15 **Introduction on Status of WP6 Activities**

Speaker

Avni Aksoy

09:15–09:27 **Hard X-Ray FEL study Case for fist deliverable**

Speaker

Hector Mauricio Castaneda Cortes

09:27–09:39 **Status of S-band Injector Based Compact Light design**

Speaker

Edu Marin

09:39–09:51 **Recent Improvements of RF-Track**

Speaker

Andrea Latina

09:51–10:03 **1D optimisation for the full X-band solution**

Speaker

Xingguang Liu

10:03–10:15 **DC electron gun as an injector for an X-band FEL**

Speaker

Thomas Geoffrey Lucas

10:15–10:30 **Discussion**

Speaker

All

10:30