Seventh SwissFEL Performance Workshop

Report of Contributions

Contribution ID: **7**
Type: **not specified**

Controls update

Tuesday 21 January 2025 16:00 (15 minutes)

Summary

Presenters: CUNÍ I SOLER, Guifré (PSI - Paul Scherrer Institut); CELCER, Tine (PSI - Paul Scherrer Institut)

Session Classification: Controls & DAQ

Contribution ID: **11**   Type: **not specified**

Status machine modes, perspectives for 2025

Tuesday 21 January 2025 08:45 (25 minutes)

Summary

Presenter: DIJKSTAL, Philipp (PSI - Paul Scherrer Institut)

Session Classification: Beam dynamics

Contribution ID: **13**   Type: **not specified**

Update on the roadmap process - SwissFEL long-term vision

Tuesday 21 January 2025 16:30 (15 minutes)

Summary

Presenter: BOSTEDT, Christoph (PSI - Paul Scherrer Institut)

Session Classification: Discussion & closing

Contribution ID: **16** Type: **not specified**

Bernina

Tuesday 21 January 2025 09:25 (15 minutes)

Summary

Presenter: LEMKE, Henrik Till (PSI - Paul Scherrer Institut)

Session Classification: End stations

Contribution ID: **17**   Type: **not specified**

Alvra

Tuesday 21 January 2025 09:10 (15 minutes)

Summary

Presenter: BACELLAR, Camila (PSI - Paul Scherrer Institut)

Session Classification: End stations

Contribution ID: **21**　　　　　　　　　　　　　　　　　　　Type: **not specified**

Workshop introduction, SwissFEL overview

Tuesday 21 January 2025 08:30 (15 minutes)

Summary

Presenters: BOSTEDT, Christoph (PSI - Paul Scherrer Institut); SCHIETINGER, Thomas (PSI - Paul Scherrer Institut)

Session Classification: Introduction

Contribution ID: **23** Type: **not specified**

Timing and synchronization

Tuesday 21 January 2025 14:30 (20 minutes)

Summary

Presenters: SYDLO, Cezary (PSI - Paul Scherrer Institut); LÖHL, Florian (PSI - Paul Scherrer Institut)

Session Classification: Laser systems, synchronization, photon instrumentation (5-slide limit!!)

Contribution ID: **24**   Type: **not specified**

Gun and seed lasers

Tuesday 21 January 2025 14:15 (15 minutes)

Summary

Presenter: TRISORIO, Alexandre (PSI - Paul Scherrer Institut)

Session Classification: Laser systems, synchronization, photon instrumentation (5-slide limit‼)

Contribution ID: **26**   Type: **not specified**

Machine issues summary

Tuesday 21 January 2025 13:15 (15 minutes)

Summary

Presenter: SCHIETINGER, Thomas (PSI - Paul Scherrer Institut)

Session Classification: Accelerator systems (5-slide limit!!)

Contribution ID: **27**   Type: **not specified**

Radiofrequency systems

Tuesday 21 January 2025 13:30 (15 minutes)

Summary

Presenter: CRAIEVICH, Paolo (PSI - Paul Scherrer Institut)

Session Classification: Accelerator systems (5-slide limit!!)

Contribution ID: **29**
Type: **not specified**

Cristallina-MX

Tuesday 21 January 2025 09:50 (10 minutes)

Presenter: BEALE, John Henry (PSI - Paul Scherrer Institut)

Session Classification: End stations

Contribution ID: **30**   Type: **not specified**

Maloja

Tuesday 21 January 2025 10:30 (15 minutes)

Presenter: SCHNORR, Kirsten Andrea (PSI - Paul Scherrer Institut)

Session Classification: End stations

Contribution ID: **31**   Type: **not specified**

Furka

Tuesday 21 January 2025 10:45 (15 minutes)

Presenter: RAZZOLI, Elia (PSI - Paul Scherrer Institut)

Session Classification: End stations

Contribution ID: **32**   Type: **not specified**

Diavolezza

Tuesday 21 January 2025 11:00 (10 minutes)

Summary

Presenter: Dr NEPPL, Stefan (PSI - Paul Scherrer Institut)

Session Classification: End stations

Contribution ID: **33**　　　　　　　　　　　　　　　　　Type: **not specified**

Operations summary and outlook

Tuesday 21 January 2025 13:00 (15 minutes)

Summary

Presenters:　VOULOT, Didier (PSI - Paul Scherrer Institut);　HILLER, Nicole (PSI - Paul Scherrer Institut)

Session Classification:　Accelerator systems (5-slide limit!!)

Contribution ID: **34**
Type: **not specified**

Electron beam instrumentation and photon pulse monitors

Tuesday 21 January 2025 13:45 (15 minutes)

Summary

Presenter: JURANIC, Pavle (PSI - Paul Scherrer Institut)

Session Classification: Accelerator systems (5-slide limit!!)

Contribution ID: **36** Type: **not specified**

Pump lasers

Tuesday 21 January 2025 14:00 (15 minutes)

Presenter: JOHNSON, Steven (PSI - Paul Scherrer Institut)

Session Classification: Laser systems, synchronization, photon instrumentation (5-slide limit!!)

Contribution ID: **37**   Type: **not specified**

Optics and photon diagnostics

Tuesday 21 January 2025 14:50 (20 minutes)

Summary

Presenter: ARRELL, Christopher (PSI - Paul Scherrer Institut)

Session Classification: Laser systems, synchronization, photon instrumentation (5-slide limit!!)

Contribution ID: **38**   Type: **not specified**

First results from the Jungfrau 1.2 ASIC and extension of dynamic gain for future chips

Tuesday 21 January 2025 15:45 (15 minutes)

Summary

Presenter: MOZZANICA, Aldo (PSI - Paul Scherrer Institut)

Session Classification: Controls & DAQ

Contribution ID: **40** Type: **not specified**

Workshop reflections and closing remarks

Tuesday 21 January 2025 16:45 (15 minutes)

Session Classification: Discussion & closing

Contribution ID: 42 Type: **not specified**

Cristallina-Q

Tuesday 21 January 2025 09:40 (10 minutes)

Summary

Presenter: PEDRINI, Bill Francesco (PSI - Paul Scherrer Institut)

Session Classification: End stations

Contribution ID: **43**   Type: **not specified**

What is the experience with parallel operations and crosstalk in an increasing complex beamtime world (limitations, improvements)?

Tuesday 21 January 2025 11:10 (5 minutes)

Summary

Session Classification: Discussion

Contribution ID: 44   Type: **not specified**

Do we need more single pulse properties and diagnostics, faster feedback and more information?

Tuesday 21 January 2025 11:20 (5 minutes)

Summary

Session Classification: Discussion

Contribution ID: 45   Type: **not specified**

Is our data analysis / online feedback fast enough? Do we have more needs for real-time analysis? What are acceptable delays and needs?

Tuesday 21 January 2025 11:25 (5 minutes)

Summary

Session Classification: Discussion

Contribution ID: 46   Type: **not specified**

DAQ update

Tuesday 21 January 2025 16:15 (15 minutes)

Presenter: AUGUSTIN, Sven (PSI - Paul Scherrer Institut)

Session Classification: Controls & DAQ

Contribution ID: 47 Type: **not specified**

Where should we find the balance between stability and creativity? What are performance stability priorities?

Tuesday 21 January 2025 11:15 (5 minutes)

Session Classification: Discussion