

**E. Prat: Energy spread  
measurements / Planning of  
Nov./Dec. machine shifts**

**Report of Contributions**

Contribution ID: 3

Type: **not specified**

## Energy spread studies at SwissFEL

*Tuesday 27 October 2020 10:45 (20 minutes)*

The uncorrelated energy spread of the electron beam is a fundamental parameter in FEL facilities that needs to be measured and optimized for best performance. In this talk, we will present a novel method to characterize the electron beam energy spread with higher resolution and precision than in the standard dispersion-based approach. Moreover, we will show numerical and experimental studies aimed to understand and improve the electron beam energy spread at SwissFEL.

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

**Session Classification:** Focus report

Contribution ID: 4

Type: **not specified**

## **Planning of Nov./Dec. machine development shifts**

*Tuesday 27 October 2020 11:25 (20 minutes)*

**Presenter:** LÖHL, Florian (PSI - Paul Scherrer Institut)

**Session Classification:** MD planning & short reports

Contribution ID: 5

Type: **not specified**

## ACHIP results

*Tuesday 27 October 2020 11:15 (10 minutes)*

**Presenter:** HERMANN, Benedikt

**Session Classification:** MD planning & short reports