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## Update on FPC progress at DESY (10'+8')

*Tuesday 4 February 2020 14:00 (18 minutes)*

### ABSTRACT

A Fundamental Power Coupler (FPC) is one of the key subsystems of the SRF accelerator and does need to be addressed in same way, as the SRF cavities are. Currently most of the FPCs for the SRF cavities at DESY are installed in the Eu-XFEL linac (~800), but this is not the only application. The FLASH linac will undergo the update soon

and CW operation of an SRF accelerator is under study. We plan also a refresh of our SRF testing facility with a new FPC test-stand.

All these topics will be presented in short and discussed.

Provocative topics:

1. CW module test - how far can a standart E-XFEL module be used with CW operation - limits/problems
2. Coupler test for FPC intended for CW operation - is it needed ? lower voltages with higher DF...

**Presenter:** KOSTIN, Denis (DESY)

**Session Classification:** Working Group Session