



Contribution ID: 52 Contribution code: MOP37

Type: **Contributed Poster**

## Status of the Free-Electron Laser User Facility FLASH

*Monday, 22 August 2022 17:10 (20 minutes)*

FLASH, the free-electron laser user facility at DESY, delivers XUV and soft X-ray radiation for photon experiments since 2005. It is driven by a superconducting linear accelerator, and has two undulator lines (FLASH1 and FLASH2). A third electron beam line hosts the plasma wakefield experiment FLASHForward. Presently, the FLASH facility is undergoing an extensive refurbishment and a substantial upgrade (FLASH2020+). In this paper we summarize the FLASH operation in 2019 - 2021, and report on the main upgrades realized in a long installation shutdown from November 2021 to summer 2022.

### I have read and accept the Privacy Policy Statement

Yes

**Primary authors:** HONKAVAARA, Katja (Deutsches Elektronen-Synchrotron); SCHREIBER, Siegfried (Deutsches Elektronen-Synchrotron); VOGT, Mathias (Deutsches Elektronen-Synchrotron); ROENSCH-SCHULENBURG, Juliane (Deutsches Elektronen-Synchrotron); KUHLMANN, Marion (Deutsches Elektronen-Synchrotron); SCHAPER, Lucas (Deutsches Elektronen-Synchrotron); GERTH, Christopher (Deutsches Elektronen-Synchrotron); TREUSCH, Rolf (Deutsches Elektronen-Synchrotron); ZEMELLA, Johann (Deutsches Elektronen-Synchrotron)

**Presenters:** HONKAVAARA, Katja (Deutsches Elektronen-Synchrotron); SCHREIBER, Siegfried (Deutsches Elektronen-Synchrotron); VOGT, Mathias (Deutsches Elektronen-Synchrotron); ROENSCH-SCHULENBURG, Juliane (Deutsches Elektronen-Synchrotron); KUHLMANN, Marion (Deutsches Elektronen-Synchrotron); SCHAPER, Lucas (Deutsches Elektronen-Synchrotron); GERTH, Christopher (Deutsches Elektronen-Synchrotron); TREUSCH, Rolf (Deutsches Elektronen-Synchrotron); ZEMELLA, Johann (Deutsches Elektronen-Synchrotron)

**Session Classification:** Monday posters

**Track Classification:** SASE FEL