



Contribution ID: 20 Contribution code: WEA12

Type: **Invited Orals**

## First Commissioning of LCLS-II Injector

*Wednesday, 24 August 2022 09:15 (30 minutes)*

The 1-MeV LCLS-II electron source including CW RF gun and buncher was successfully commissioned 2018-2020. Since then, a few upgrades has been implemented. Full scale of LCLS-II injector including the upgraded 1-MeV electron source, one standard 100-MeV Cryomodule, essential diagnostics for beam performance characterizations is being commissioned since late March 2022. This report will present technical progresses and challenges of the injector commissioning and measurements of e-beam performance as well as dark current.

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

Yes

**Primary author:** ZHOU, Feng (SLAC National Accelerator Laboratory)**Presenter:** ZHOU, Feng (SLAC National Accelerator Laboratory)**Session Classification:** Electron sources**Track Classification:** Electron sources