

## SP2: European XFEL Injector Commissioning

*Friday 15 July 2016 09:43 (3 minutes)*

In the first commissioning phase of the European XFEL SASE FEL driver linac we demonstrated the design goals for the injector section.

These goals include reliable operation of sub-systems and feasible beam parameters like emittance and bunch length of the beam produced at the RF gun. Of particular interest is the operation of long bunch trains with up to 2700 bunches with a 4.5 MHz repetition rate.

In this poster we will present an overview of our experiences from the injector commissioning run including beam dynamics studies, diagnostics, and system performance.

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**Session Classification:** Session 3: Beam Dynamics and Photon Sources