

Photocathode study in SRF Gun-II at HZDR

Tuesday 27 August 2024 16:00 (2 hours)

HZDR's SRF Gun-II is an excellent demonstration of SRF technology application in the field of electron sources operating in continuous wave mode. As well known, quality of the photocathode is crucial for operational stability and reliability of an SRF gun. In this contribution, various studies on Cs₂Te cathodes, including cleaning, preparation, transport/insertion, RF and beam operation will be summarised. We will look back at the achievements and open issues, and discuss possible improvements and further development.

Footnotes

Funding Agency

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Session Classification: Tuesday Poster Session

Track Classification: MC1: Beam Dynamics, Extreme Beams, Sources and Beam-Related Technologies; MC1.2 Electron and ion sources, guns, photo injectors, charge breeders