



Contribution ID: 574 Contribution code: TUPL077

Type: **Poster Presentation**

Novel method to produce coherent soft X-ray via external seeded schemes

Tuesday, 9 May 2023 16:30 (2 hours)

We have proposed a new method to generate coherent soft X-ray free electron lasers by the reverse-taper enhanced cascade echo-enabled harmonic generation. The method is based on the typical EEHG technique and a latter harmonic undulator section to lase the harmonic of the EEHG output. By using the reverse-tapered undulator at the EEHG undulator, an optimised FEL will be generate at the second stage.

Funding Agency

Footnotes

I have read and accept the Privacy Policy Statement

Yes

Session Classification: Tuesday Poster Session

Track Classification: MC2: Photon Sources and Electron Accelerators: MC2.A06: Free Electron Lasers