



Contribution ID: 19

Type: poster

Isolated Attosecond Pulses via Coherent Thomson-backscattering

Monday 1 July 2019 18:00 (2 hours)

Our theoretical and numerical results suggest that Thomson-backscattering of a NIR laser pulse on a suitable relativistic electron nanobunch creates an isolated XUV –soft X-ray pulse of ca. 20 asec length and uJ energy.

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Session Classification: Poster session 1