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Coherent transition radiation from a train of tilted “pancake-like” ultrashort electron bunches.

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In the report we analyze a possibility to use for a diagnostics aims the process of coherent transition radiation (CTR) produced by a train of tilted ultrashort electron bunches. Measuring spectral-angular distributions of CTR produced by such a train it is possible to determine microbunch length, bunch tilting angle, separation between bunches and modulation depth.

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