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## **Peculiarities of twisted photon generation in the undulator**

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In this work, we consider results of numerical modeling of the evolution of radiation power and the orbital angular momentum per photon as a function of the length of the undulator. The orbital angular momentum of radiation is investigated when the axis of the detector does not coincide with the axis of the undulator, as well as in the case of radiation of twisted photons at a small angle of departure relative to the axis of the undulator.

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