

Relativistic laser-electron acceleration from nanotargets

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The interaction between ultraintense laser light (10^{20} W/cm²) and nanotips can produce electron bunches with interesting properties, such as relativistic energy (1-10MeV), high charge (nC) and pulse duration expected in the attosecond regime. Experimental results about the angular distribution, charge and spectrum will be shown and explained using the vacuum laser acceleration mechanism.

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