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Amplitude Roadmap for high average power ultraintense laser for plasma acceleration

lundi 13 novembre 2023 17:10 (15 minutes)

We will show the main developments that we are following to increase the average power of Petawatt systems. We will mainly focus on the different solutions proposed to overcome the thermal issues induced by the increase of the repetition rate (>100Hz) : cooling of the TiSa crystals, gratings.. We will also present the status of the development for our 10J/200Hz pump laser that could be use for these high energy, high repetition rate TiSa laser.

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