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State-of-the-art high power and rep' rate laser

Friday, 18 September 2015 11:30 (30 minutes)

Next generation of laser-driven wakefield accelerators require extreme performance in critical laser parameters (energy, repetition rate, efficiency, contrast, stabilities) while keeping high reliability and availability levels. The presentation will review the state-of-the-art laser in terms of high peak power and average power. The expected and realistic parameters achievable in the near future, as well as the trend in the technology choice will be discussed.

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