

Laser development for LWFA and future plans

Thursday, 21 September 2023 16:25 (20 minutes)

In this presentation I shall review recent developments in laser technology for high average power drivers for LWFA, concentrating on coherent combination of fibre systems. This shows great promise for achieving high repetition rate, high power pulses with wall plug efficiencies in the tens of percent. I shall also outline plans for LWFA experiments at the upgraded CLARA facility at the Daresbury Laboratory, UK.

Primary author: Dr CORNER, Laura (Cockcroft Institute, University of Liverpool)

Presenter: Dr CORNER, Laura (Cockcroft Institute, University of Liverpool)

Session Classification: WG2: Laser technology (WP6 - Task2)

Track Classification: WG2: Laser technology