EUROPEAN NETWORK FOR NOVEL ACCELERATORS

EuroNNAc4

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Accelerator on a chip program overview

Friday, 23 September 2022 16:00 (30 minutes)

Acceleration of particles in photonic nanostructures fabricated using semiconductor manufacturing techniques and driven by ultrafast solid state lasers is a new and promising approach to developing future generations of compact particle accelerators. Substantial progress has been made in this area in recent years, fueled by a growing international collaboration of universities, national laboratories, and companies. We'll review the major results as well as the outlook for the near term and long term future of this high gradient acceleration scheme.

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