

FACET-II: Status of the first experiments and the road ahead

Wednesday, 20 September 2023 12:00 (30 minutes)

The FACET-II facility at SLAC National Accelerator Laboratory conducts a broad science program based on the interaction of low-emittance high-current 10 GeV electron beams with lasers, plasmas and solids. FACET-II operates as a National User Facility while engaging a broad User community to develop and execute experimental proposals that advance the development of plasma wakefield accelerators. The FACET-II facility began first experiments in the summer of 2022, paused for an eight month-long laboratory-wide shutdown in 2023, and resumed operation this summer. The special features of FACET-II will be shown and the status of the first experiments invited for beam time will be presented.

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