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Recent results at SPARC_LAB

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Several recent results from the SPARC_LAB test-facility are presented in view of plasma-based experiments. We report about the current status of the plasma wakefield acceleration experiment and first results obtained with the active plasma lens. Regarding the laser-driven scenario, we discuss about some achievements related to the reduction of the relative timing-jitter between the laser pulse and electron beam, pushing it down to 19 fs.

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