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## The *FLAME* Laser and the Test Experiment at LNF-FRASCATI

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The next decade will be crucial for the establishment of laser-plasma acceleration (LPA) as a mature approach to the next generation of accelerators, with potential impact on future international collaborative programmes in high-energy physics.

The Italian National Institute of Nuclear Physics, in collaboration with the Italian National Research Council has promoted and funded a LPA programme named PLASMON-X, which includes a range of activities, including LPA with self-injection and external injection and the generation of tuneable X-ray radiation from Thomson scattering of LPA electron bunches for medical applications.

The commissioning of the 250 TW *Frascati Laser for Acceleration and Multidisciplinary Experiments (FLAME)* is now being completed and a test experiment on electron acceleration with self-injection (*SITE*) is in progress.

An overview of the LPA programme will be given with a detailed description of the FLAME installation and the planned SITE experiment.