

LA³NET

Topical Workshops Laser Ion Sources Novel Acceleration Techniques

Lasers are key for state of the art ion sources and have been used successfully for the acceleration of both, electron and ion beams. We will hold two Topical Workshops that are open for participants from within and outside the network.

Lasers have been successfully used to provide exotic ion beams that cannot be realized by any other technique. These sources provide unmatched selectivity in multi-step resonant ionization by wavelength-tunable lasers at ISOL facilities and have opened up a whole range of exciting physics studies.

Lasers also offer unique ways to increase accelerating gradients by several orders of magnitude and hence opportunities for reducing the size and cost of accelerator facilities. Laser- and beam driven wakefield accelerators, as well as dielectric laser accelerators all fall into this category.

LA³NET will organize a 2-day workshop on **laser ion sources** (24/25 October), as well as a 3-day workshop on **novel accelerators** (24-26 October) in 2016. Both workshops will take place in Paris, France and fees will include a reception, workshop dinner and coffee breaks.

Full details about both events can be found at:

<http://www.la3net.eu>

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