

## E1 call 1 user experiments, kHz lasers and parameters

### Drive laser for HHG and MAC experiments

For call 1 experiments, the following lasers are available for HHG source operation together with the MAC stations.

#### Coherent Legend Duo Elite

Energy - compressed	Pulse duration at target	Repetition rate
12 mJ	<35 fs	1 kHz

### Drive laser for optical spectroscopy

For call 1 user experiments in optical spectroscopy (FSRS, IR spectroscopy, and time resolved ellipsometry) the following lasers are available:

#### Coherent Astrella

Energy - compressed	Pulse duration at target	Repetition rate
7 mJ	<40 fs	1 kHz

#### Spectra Physics Femtopower/Solstice doublet

Energy - compressed	Pulse duration at target	Repetition rate
4.5 mJ (Femtopower)	30 fs (Femtopower)	1 kHz
7 mJ (Solstice)	40 fs (Solstice)	1 kHz

Delays between Femtopower/Solstice doublet lasers can be controlled between 0 fs to 1 ms.