



FEMTOLASER

FEMTOSOURCE™ XL 300

Pulse energy > **300 nJ**

Pulse duration < **50 fs**

Mode locked output power (av.) > **1.5 W**

Bandwidth @ 800 nm > 30 nm

Repetition rate **5.1 MHz**

Peak power > **6 MW**

Synchronized to RF
jitter better than **10ps**

Already in use at TEMPO beamline

Not opened to external proposals but possible collaboration

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Coherent

RegA 9040:

High repetition-rate, variable to 300 kHz

Pulse Width (FWHM) <40 fs

Pulse energy 6 μ J

OPA:

Signal Output 480-700 nm

Idler Output 933-2300 nm

Repetition Rate 250 kHz

Pulse Energy 80 nJ

Synchronized to RF

Expected jitter better than **1ps**

Soleil Laser : opened to external proposals

Already in use at TEMPO beamline - first external projects January 2012

(application next call for proposal September 15th 2011)