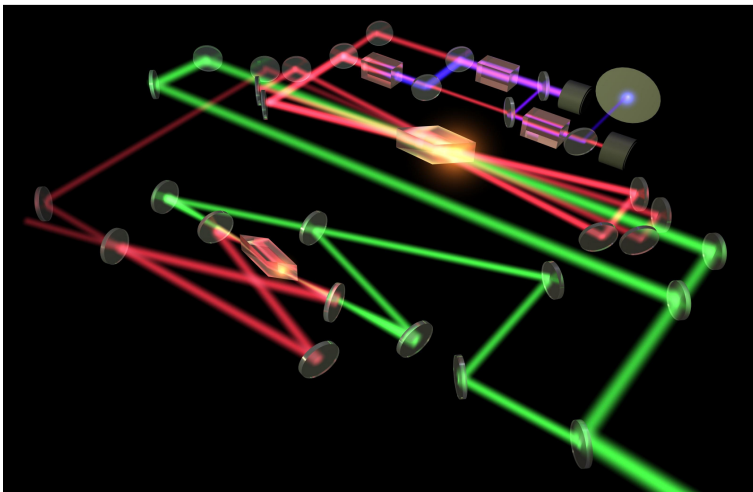


### Narrow-band injection-seeded pulsed Ti:Sa oscillator-amplifier laser system



#### Features:

- For high resolution spectroscopy
- Operation in the near infrared as well as in the ultraviolet and deep ultraviolet after frequency up-conversion own to 20 kHz)
- Seeded with our NarrowDiode laser or a cw dye laser
- Stable ring cavity for the pulsed Ti:Sa oscillator
- Multipass Amplifier for pulse energies up to 55 mJ
- High stable Radiant Dyes mechanics

Repetition rate	10 Hz ( 100Hz as an option)
Pump energy	Up to 300 mJ
Conversion oscillator	5-10 %
Conversion amplifier	15-18 %
Wavelength	Fundamental 860nm - 760nm
	2nd harmonic 430nm – 380nm 50% efficiency
	3rd harmonic 287nm – 253nm 30% efficiency
	4rd harmonic 215nm – 190nm 10% efficiency
Pulse length	35 – 22 ns
Line width	<20 MHz
Options	
Second, third and fourth harmonic generation	

