

# CEP stabilized Laser System

## Beam Characterization & Measurement

- 1 Temporal characterization of laser pulses
  - Autocorrelator down to 5 fs
  - FROG
  - SPIDER
  - Phazzler
  - Spatio-temporal reconstruction device
- 2 Measurement of laser power
  - Powermeters ranging mW – W
- 3 Spatial profile analysers
  - CCD
  - Wavefront analyser
- 4 Spectral analysers
  - Spectrometers in the UV/Vis/IR range

## Auxiliary Equipment

- 1 Vacuum line
  - HHG chamber
  - Spectrometer in the XUV spectral range
  - XUV beam control chamber
- 2 Delay equipment
  - $\mu\text{m}$  and nm precision
- 3 Pulse control
  - Dazzler
  - Chirped mirrors