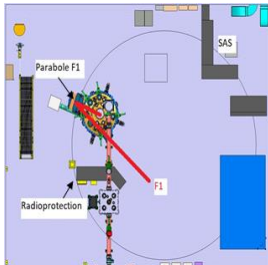
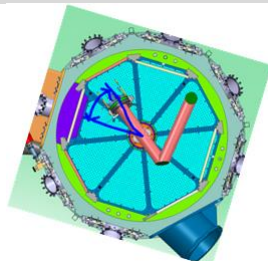


APOLLON - SFA

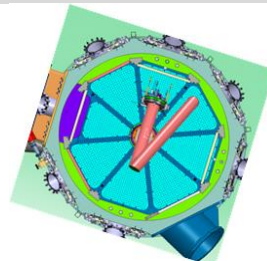
Sketch below of the interaction chambers configurations



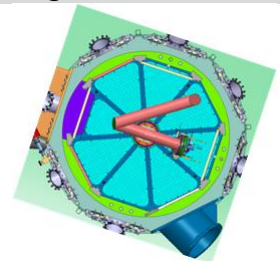
Global scketch



Config1 - 37°



Config2 - 90°



Config3 - 180°

Beams

F1 (10PW)

F2 (1 PW)

Used

Focal length (mm)

Energy on target (J) ($E_{max}=180J$)

Pulse duration (fs) (20 to 10000)

Config used

Focal length (mm)

Energy on target (J) ($E_{max}=180J$)

Pulse duration (fs) (20 to 10000)

Delay with F1 (ns)

Parameters

The user has the possibility to define a spectral phase file for a specific adjustment of the Acousto-optic Programmable Dispersive Filter (Dazzler) located in the Front End section of the chain.

- The phase file has to be provided in a .txt form following the example: EXAMPLE
- The demanded spectral phase will be subject of control of compatibility with the laser chain (typical low order spectral phase range: GDD: $\pm 2 \cdot 10^3$ fs², TOD: $\pm 2 \cdot 10^4$ fs³, FOD: $\pm 2 \cdot 10^5$ fs⁴)

Target

(composition / incidence with beams)

Other configuration

(contact expapollon@luli.polytechnique.fr for experimental possibilities)

Please send your own configuration in attachment file

Comments