

SESAME 1 & 2

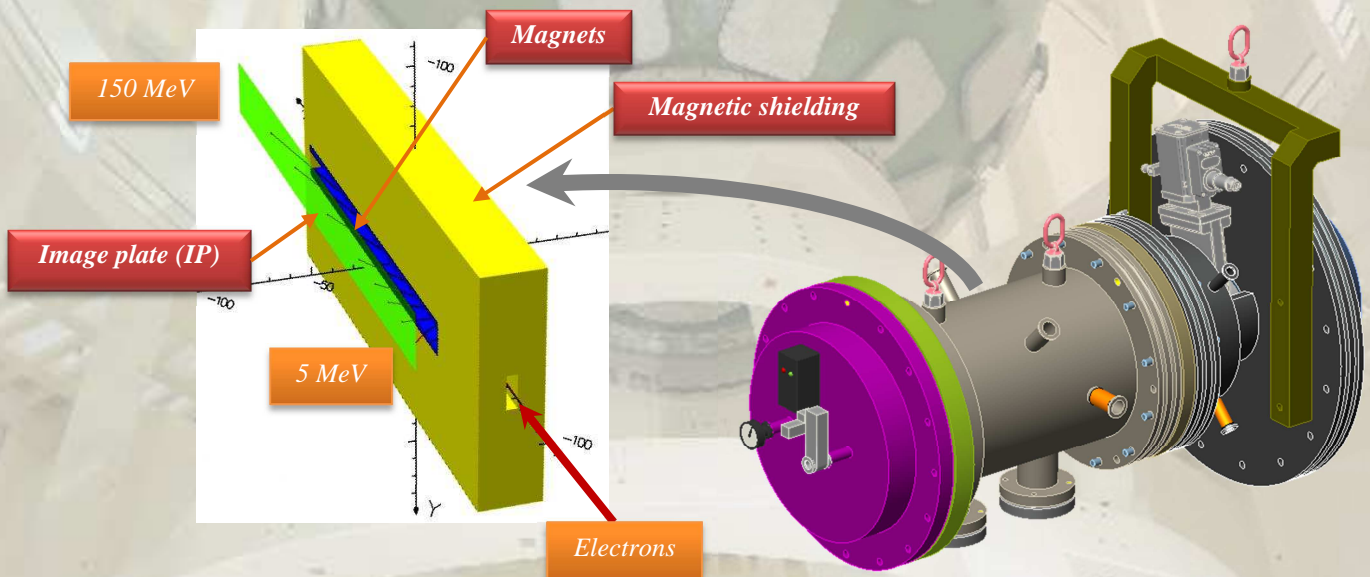
Electron spectrometers

Two electron spectrometers are installed at fixed location on the target chamber.

SESAME 1 will allow electrons spectra measurements at 0° of PETAL axis whereas SESAME 2 will work at 45° of PETAL axis.

Permanent magnets are used to deflect particles toward Imaging Plates Detectors. The range of these electron spectrometers is 5 to 150 MeV.

These spectrometers are developed in the framework of PETAL+ project.



Characteristics	Spectral range (MeV) ($\Delta E/E$)	Spatial resol. (μm) / Field of view (mm)	Time resol.	Setting/ Operational
Magnetic spectrometer	5 – 150 ($< 5\%$)	- / 15	without	Chamber wall 2016