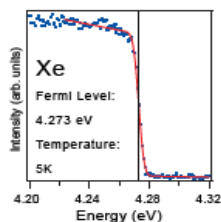
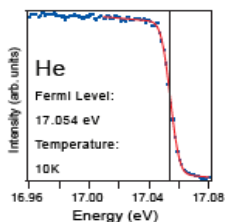




### description

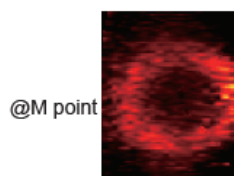
The new FERMI BL-1000 is an ultra-high efficiency UV source based on revolutionary plasma local field mechanism, integrated with latest solid RF source technology. It provides orders of magnitude higher efficiency than traditional plasma-based UV sources. It is an electrode-free and ignite-free universal UV source, which can work with various gases and gas mixtures. Applications include photoemission, mass, and atomic absorption spectroscopy.

#### Gold Thin Film

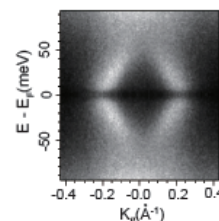


Spectrum excited by He and Xe radiation

#### FeSe Thin Film



Quick Mapping  
(1 sweep)



SC Spectrum

### models

**BL-1000:** UV Source head only (no linear shift or differential pumping), for multiple working gas (He,Ne,Ar,Kr,Xe...), compatible with other monochromators such as SPECS TMM304 and VG SCIENTA VUV5K

**BL-1010:** UV Source head with two stage differential pumping and linear shift, for multiple working gas (He,Ne,Ar,Kr,Xe...), compatible with other monochromators such as SPECS TMM304 and VG SCIENTA VUV5K

**BL-1020:** UV Source head with Hell DBR mirrors, two stage differential pumping and linear shift, only for working gas He, output monochromatization photon energy (40.8eV)

**BL-1100:** UV Source head with focus collimator and linear shift, one stage differential pumping, only for working gas Xe and Kr, output monochromatization photon energy (8.43eV and 10.03eV)

### specifications

Multiple Working Gases	He, Ne, Ar, Kr, Xe, ... (depends on model options)
Photon Energy	8.4 eV - 40.8 eV (30 nm - 147 nm)
Photon Flux	> 5 E17 Photons/Sr sec
Resolution	< 1 meV
Integrated Flowmeter	All metal structure, ultra-clean
Power Supply	Compact solid RF source driven by 24 V / 200 W power source
Seals	UHV compatible, all metal seals
Bakeable	Bakeable to 120° C

All specifications are subject to change without notice.