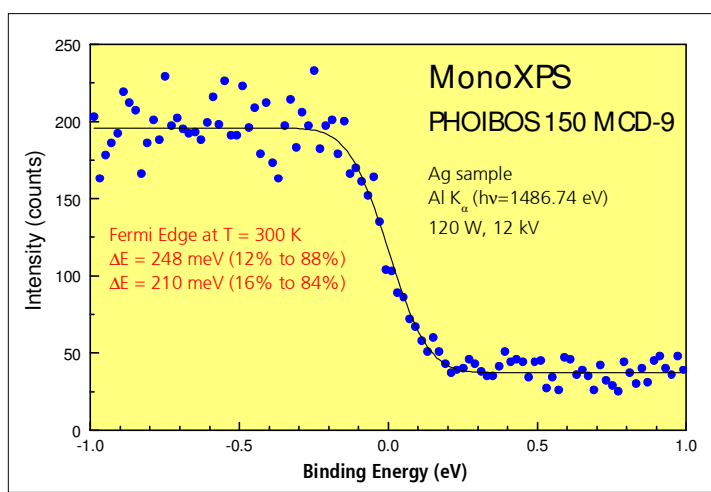


# FOCUS 500 Resolution on Ag

## Application Notes

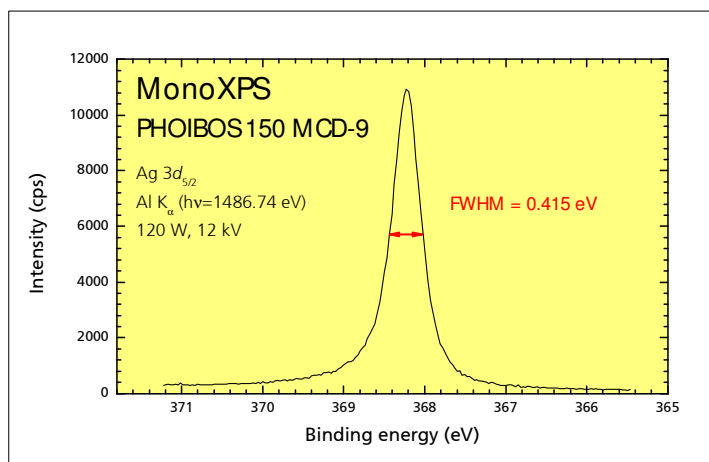
### Fermi Edge

The diagram shows the Fermi edge of a polycrystalline silver sample at room temperature. The measurement has been performed with a FOCUS 500 x-ray monochromator and a PHOIBOS 150 MCD-9 hemispherical analyzer using the Medium Area mode. The analyzer was set to pass energy (6 eV) and analyzer slits (7 mm width at entrance and exit) to give an inherent electron energy resolution of about 220 meV. The Iris aperture was fully opened and the x-ray source was run in focus mode.



### Ag 3d<sub>5/2</sub>

The diagram shows the Ag 3d<sub>5/2</sub> peak. The measurement has been performed with a FOCUS 500 x-ray monochromator and a PHOIBOS 150 MCD-9 hemispherical analyzer using the Medium Area mode. The analyzer was set to pass energy (6 eV) and analyzer slits (7 mm width at entrance and exit) to give an inherent electron energy resolution of about 220 meV. The Iris aperture was fully opened and the x-ray source was run in focus mode.



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