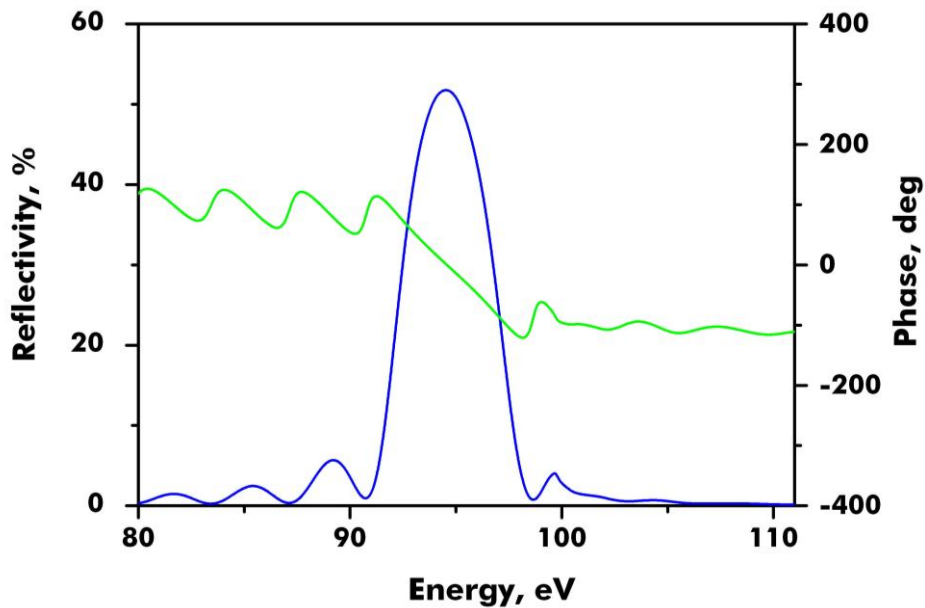
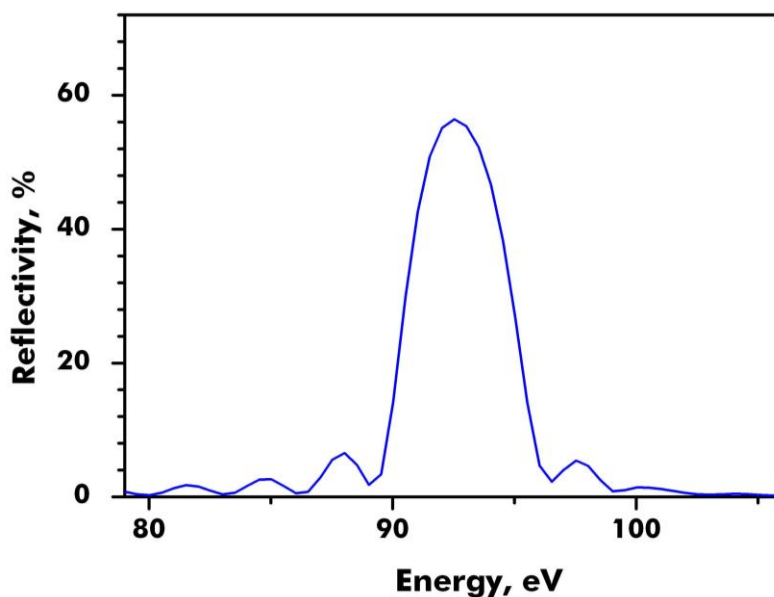


## XUV multilayer mirrors

90eV 5° AOI multilayer mirrors

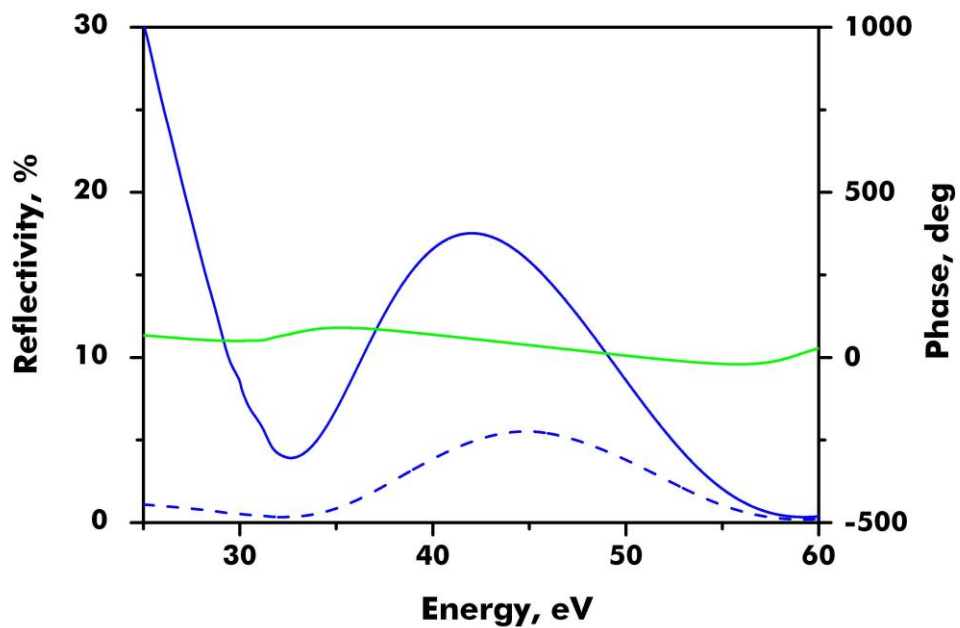
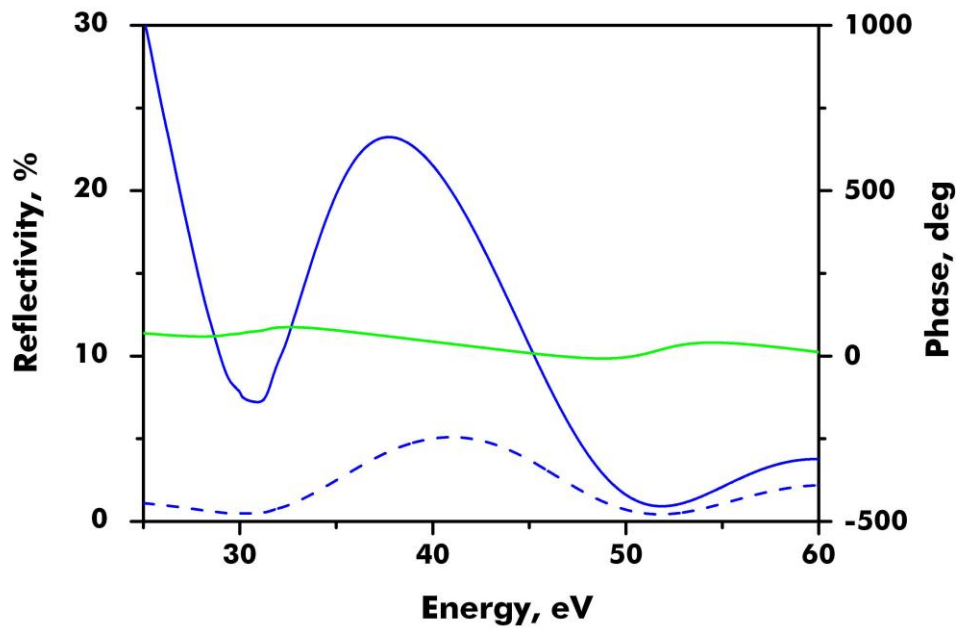


Simulated reflectivity (blue curve) and phase (green curve) properties of a multilayer mirror. Peak reflectivity is 52%, FWHM bandwidth is 5eV centered around 95eV (5° AOI).



Reflectivity curve of a Mo/Si-multilayer mirror as measured at the Advanced Light Source Berkeley. Peak reflectivity is 56%, FWHM bandwidth is 5eV centered around 92eV.

### 40eV 45° AOI multilayer mirrors



Simulated reflectivity (blue curve) and phase (green curve) properties of two multilayer mirror designs (45° AOI). The dashed blue curve denotes reflectivity including a metal filter appropriate for attosecond pulse generation.

