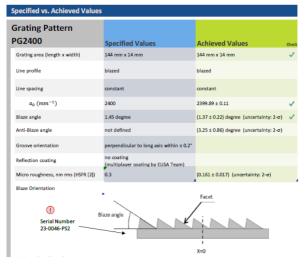
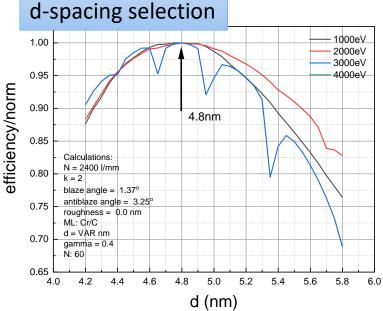
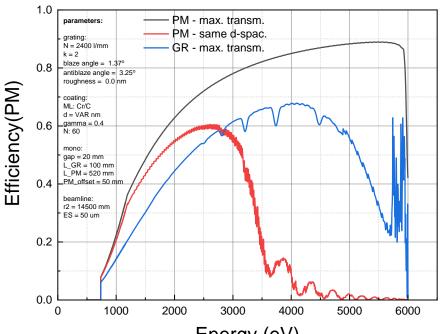
the real grating





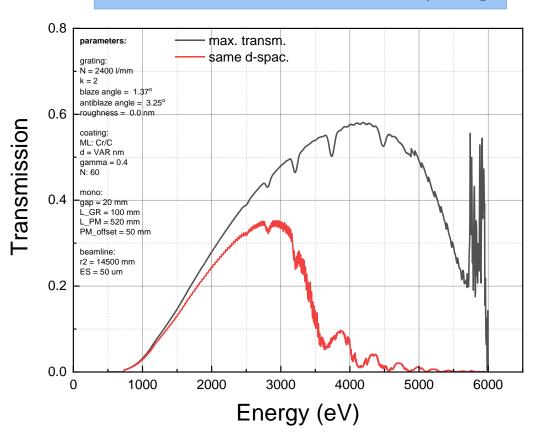
efficiencies of:

- grating
- plane mirror (on Bragg)
- plane mirror
 (@ theta for grating)

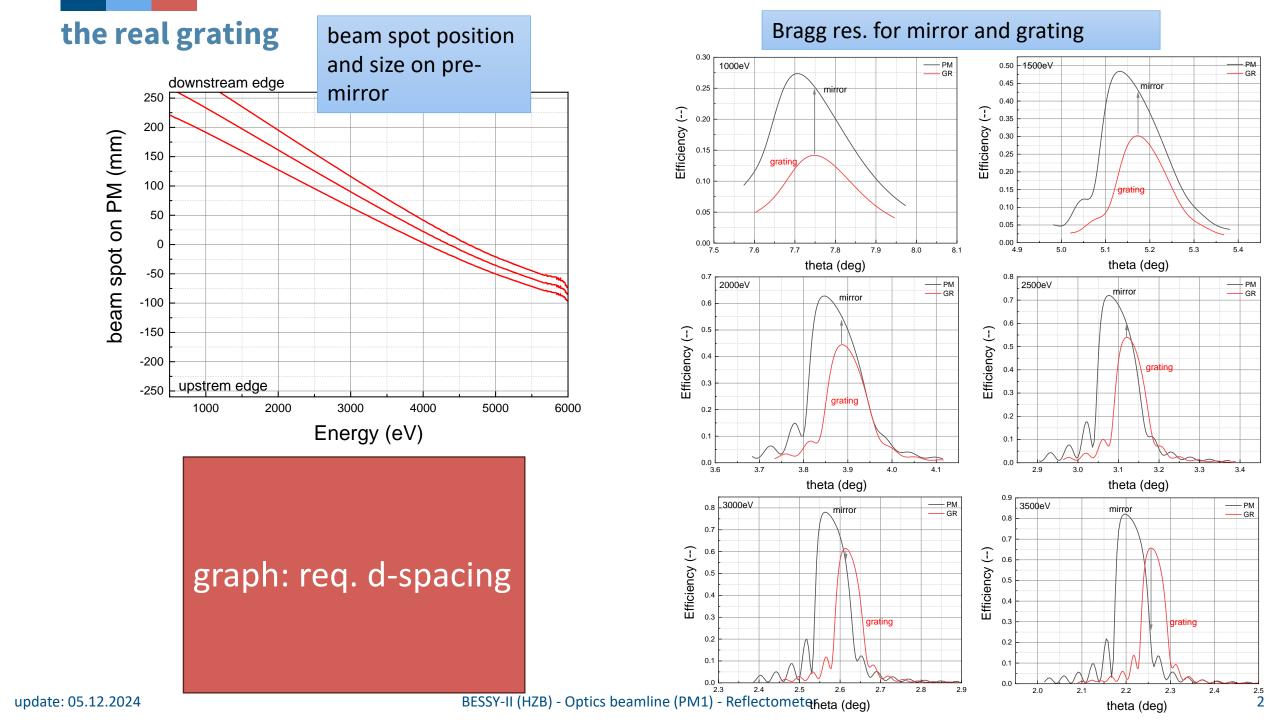


transmission thru mono with full acceptance (defined by grating) including angular limits of mono and PM acceptance for cases:

- max possible (need to variate dspacing on PM)
- GR and PM have the same d-spacing

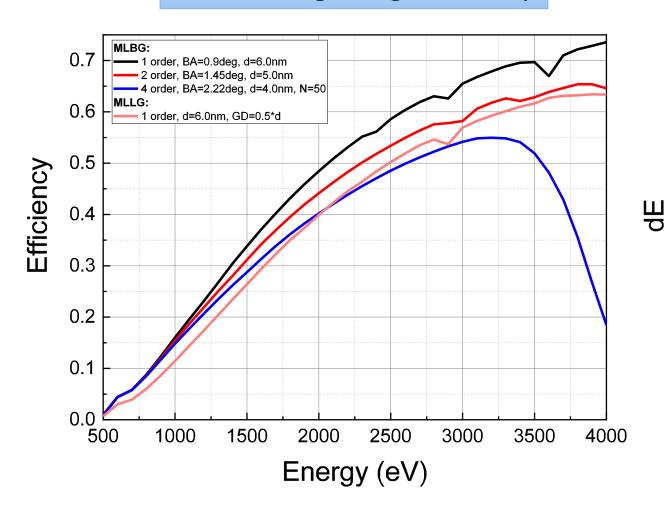


update: 05.12.2024 Energy (eV)
BESSY-II (HZB) - Optics beamline (PM1) - Reflectometer

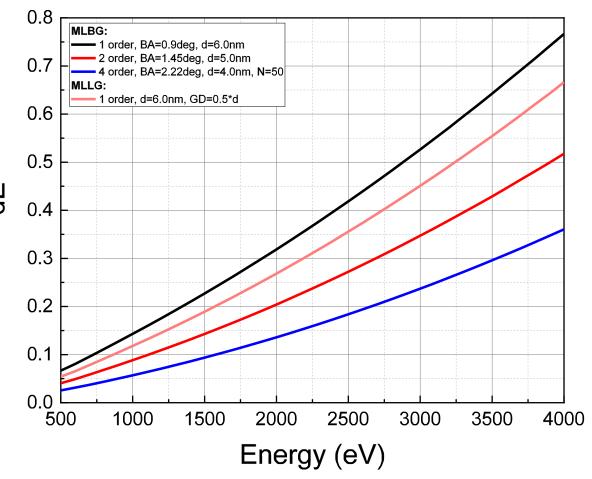


ML coated grating selection: Main Result

ML coated grating efficiency



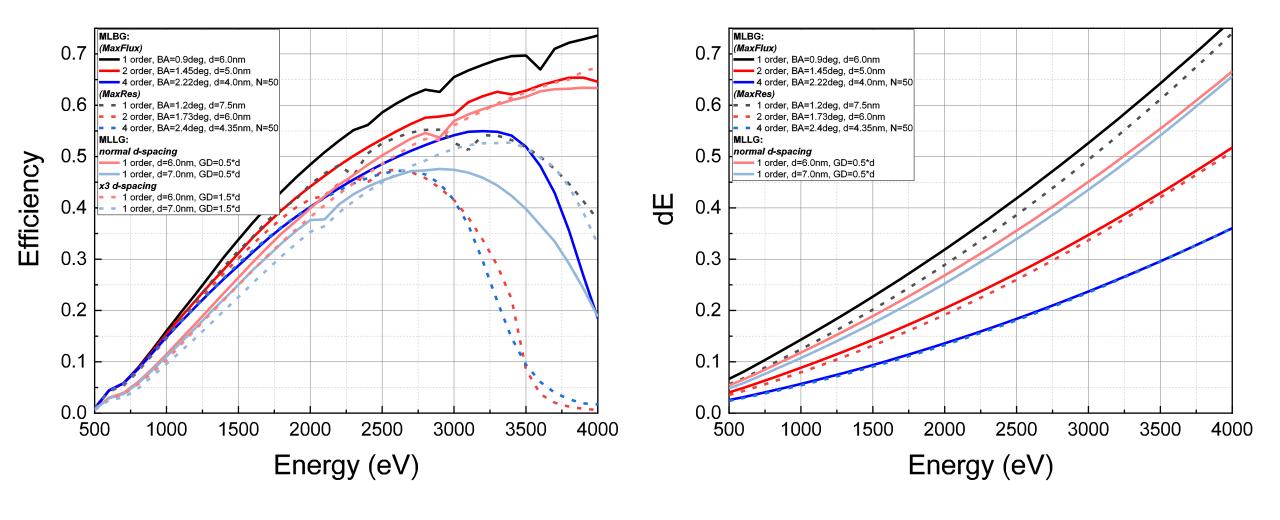
rough estimation of resolution with exit slit of 50 um



ML coated grating selection: Main Result and some more possibilities

ML coated grating efficiency

rough estimation of resolution with exit slit of 50 um



ML coated grating selection: Optimization of BA to d-spacing

MLBG – optimization:

