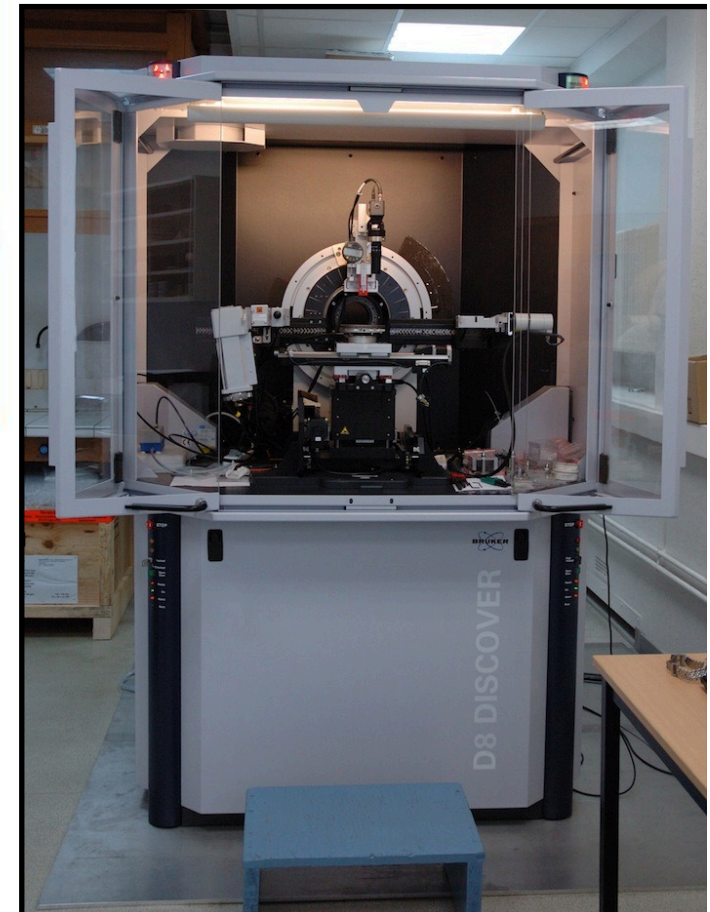
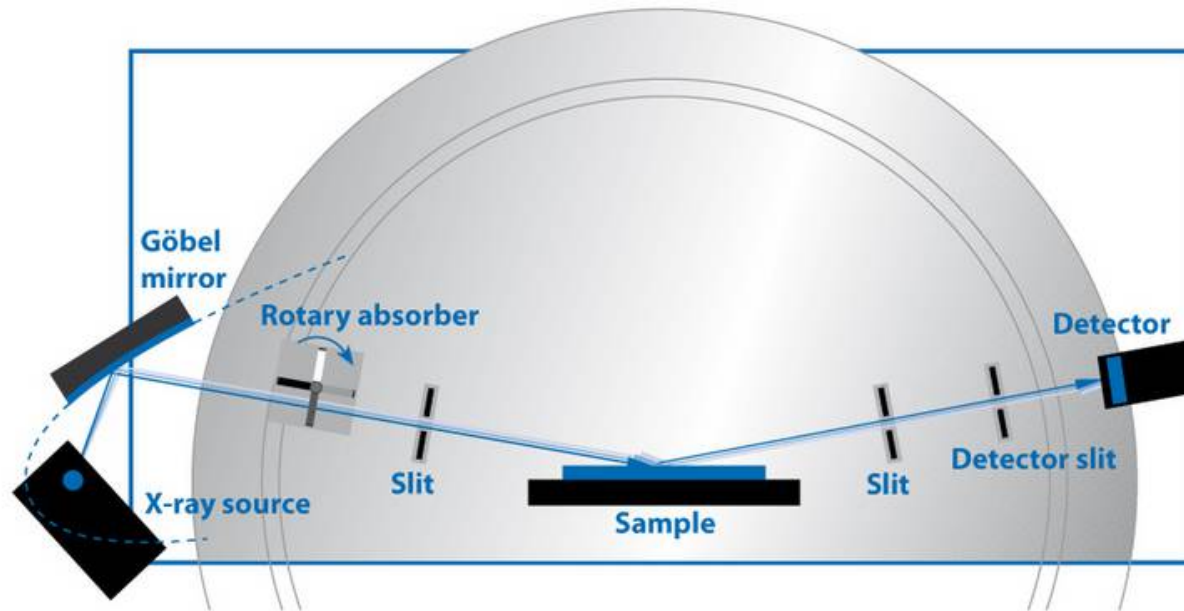


# XRR with BRUKER – D8 Discover

Source = tube X, raie  $K\alpha$  du cuivre à 0,154 nm (8052 eV)

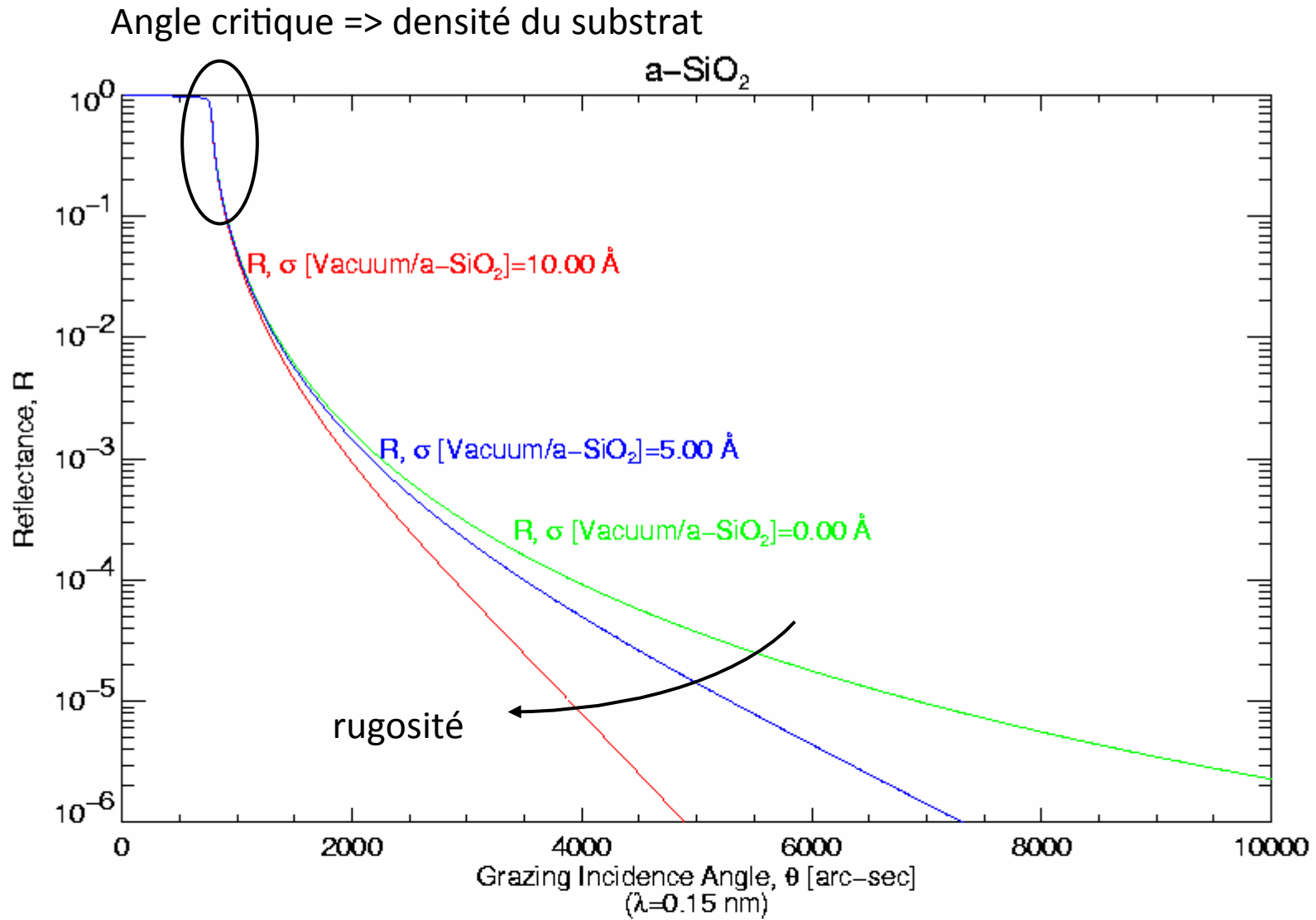
**Monochromateur = Miroir de Göbel**

From : <http://www.bruker-axs.com>



Chi  $\pm 10^\circ$   
X 300 mm  
Y 150 mm  
Z 50 mm

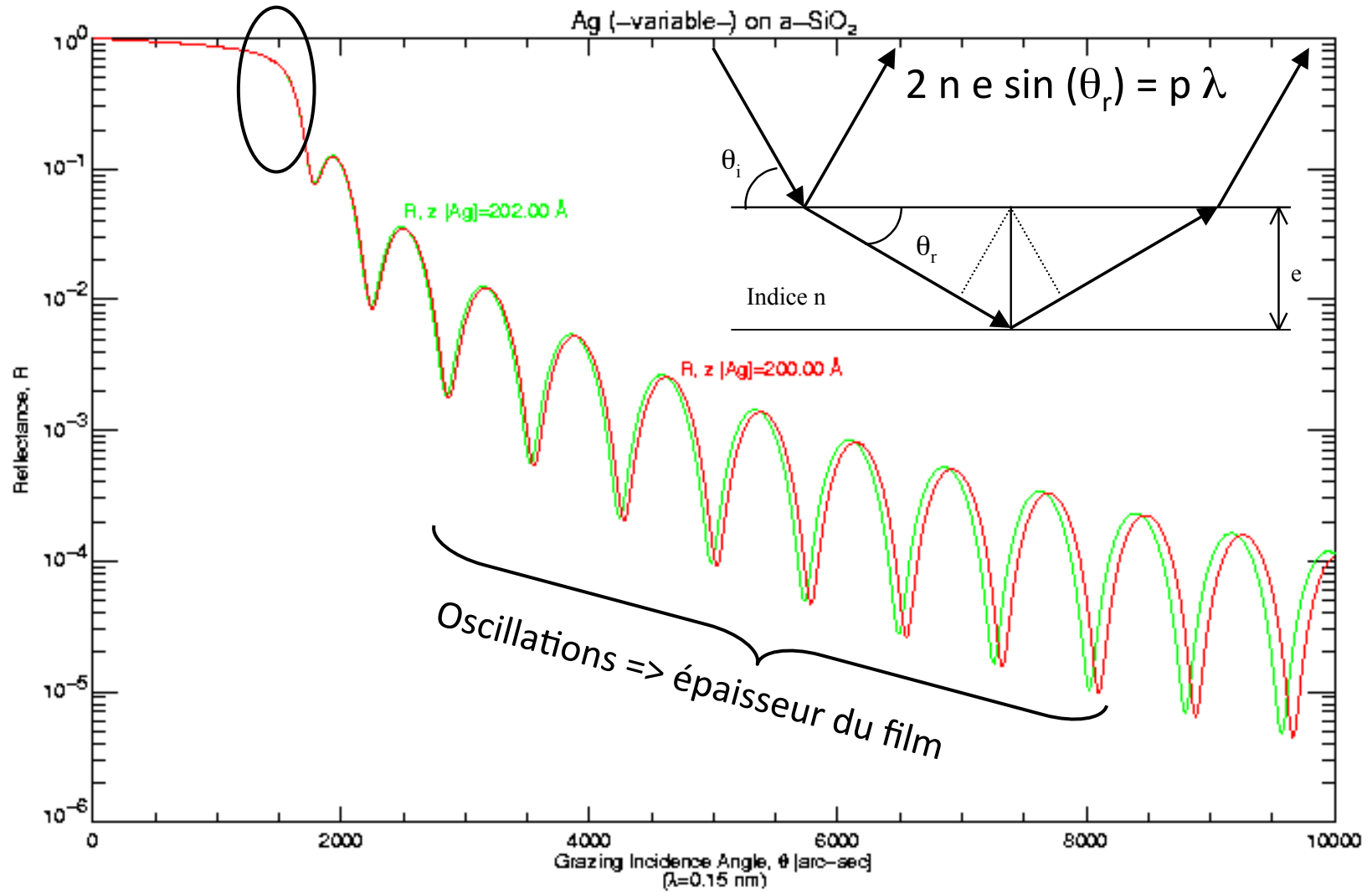
# Spectre théorique d'un substrat nu



a-SiO<sub>2</sub> substrate,  $\sigma$ =variable- Å (err. fun.)

# Spectre théorique d'un film mince sur un substrat

Angle critique => densité du film



Ag layer (1), z=variable-Å  
a-SiO<sub>2</sub> substrate