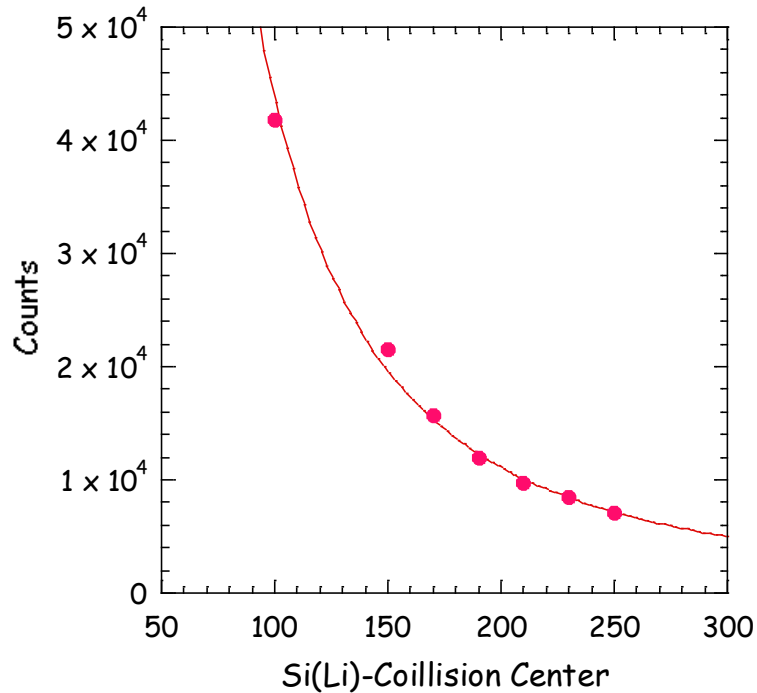


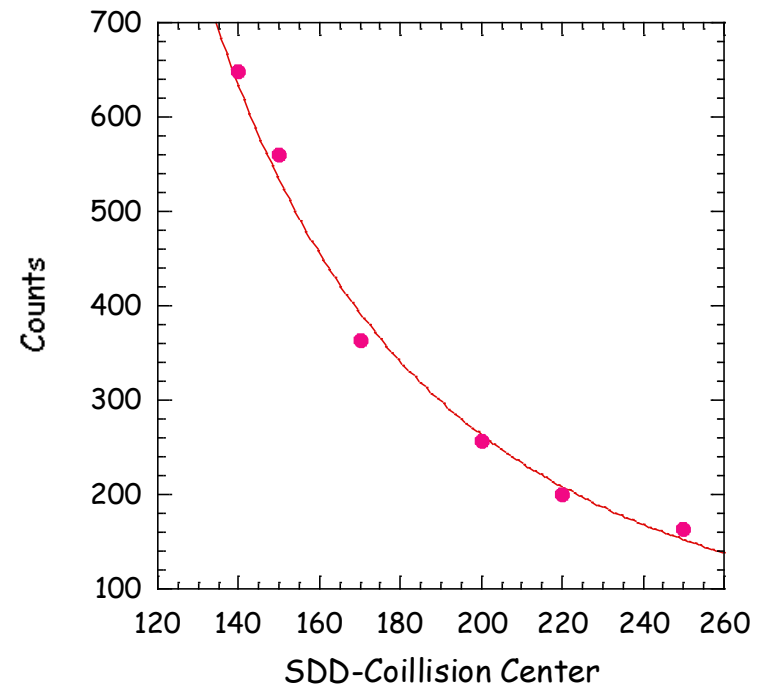
# $O^{7+}-H_2$ 140 keV

## 発光中心から検出器までの距離とカウント数の関係

### Si(Li) (window less)



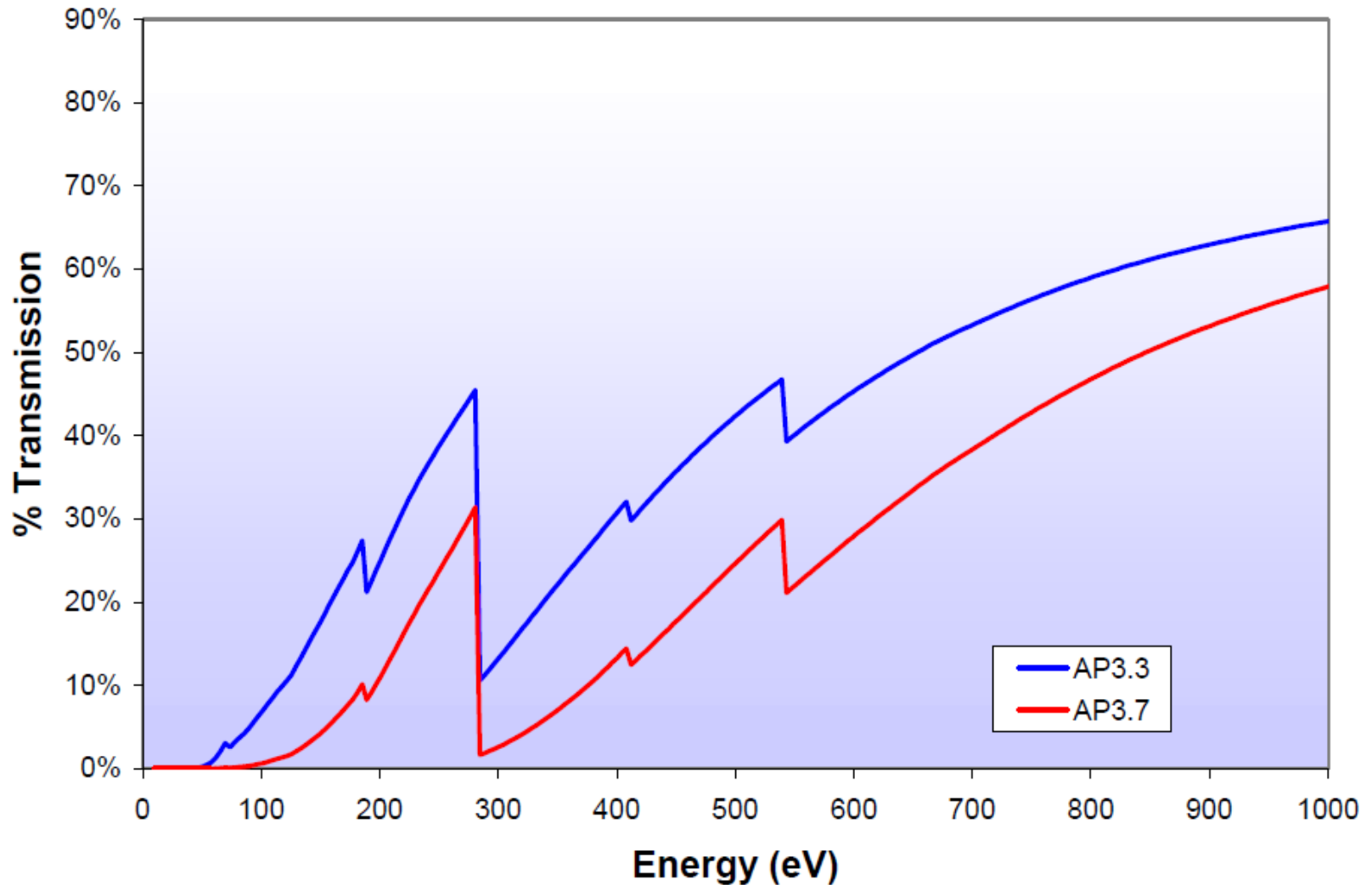
### SDD (polymer window)



Beam current (nA)	4	6
Pressure of target gas (10 <sup>-3</sup> Pa)	3.7	6.5
測定時間 (s)	300	300

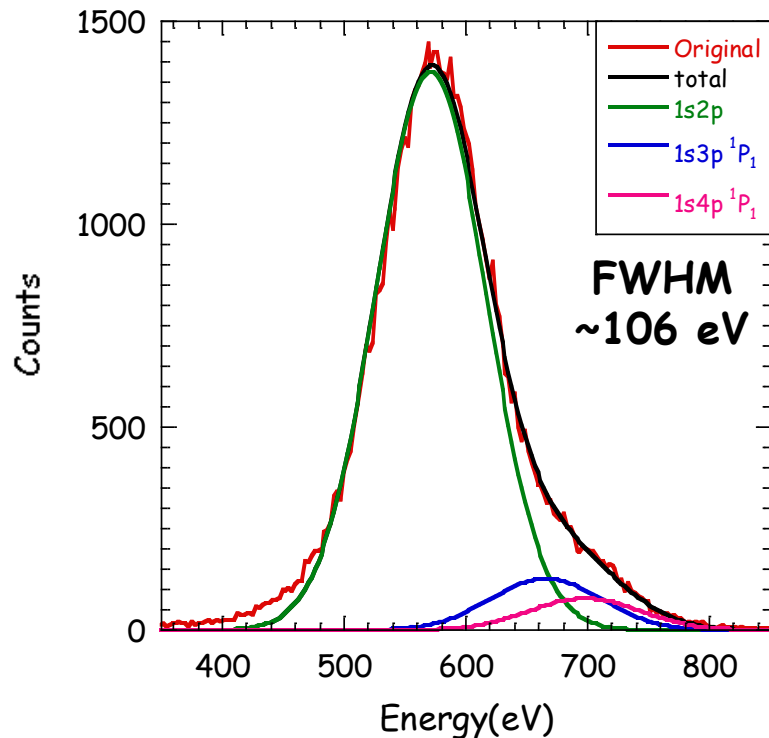
# Polymer windowの透過率

## X-Ray Transmission, Film + Grid AP3.3 and AP3.7 X-RAY WINDOWS

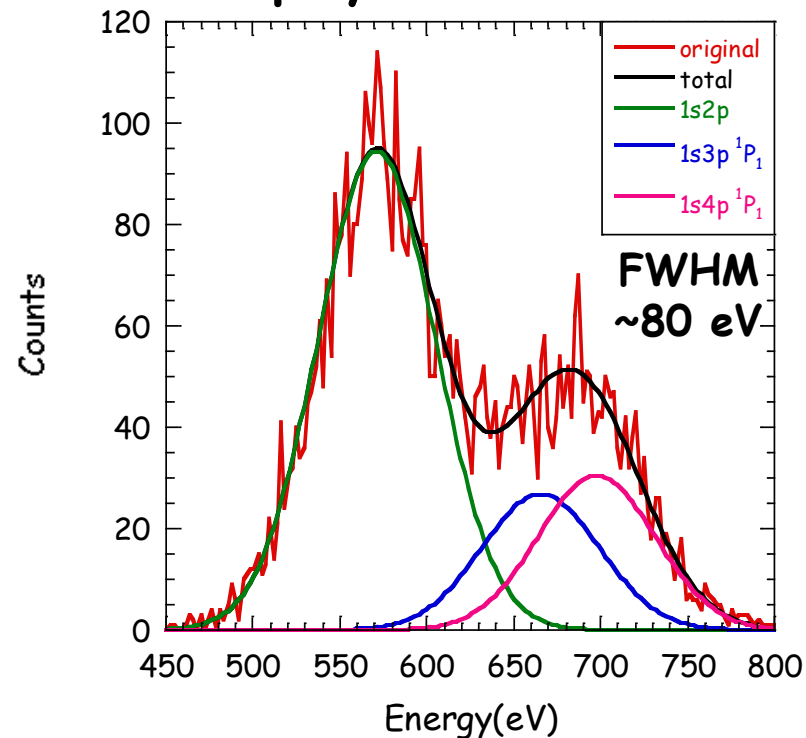


# $O^{7+}-H_2$ 140 keV

## window less



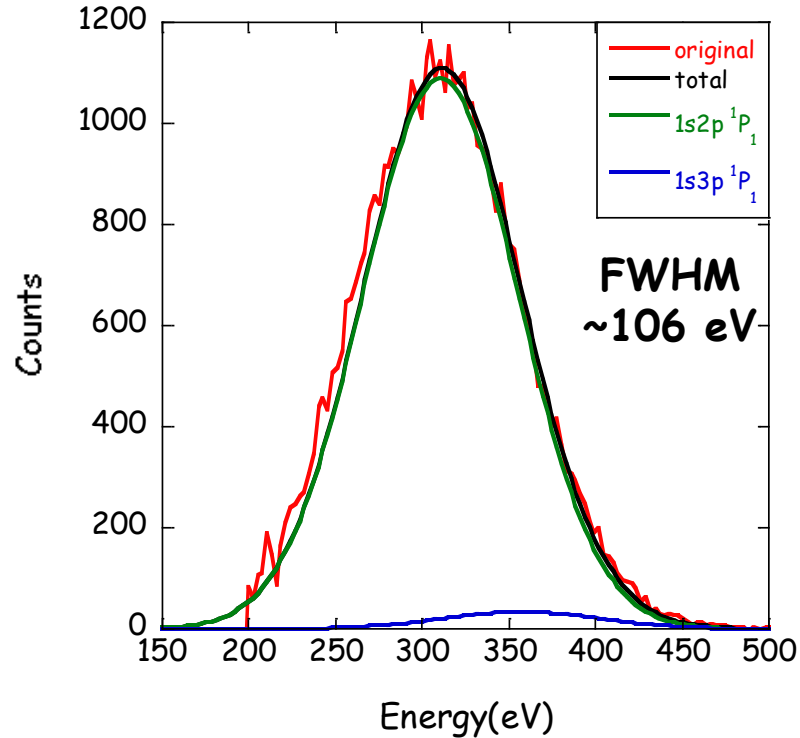
## polymer window



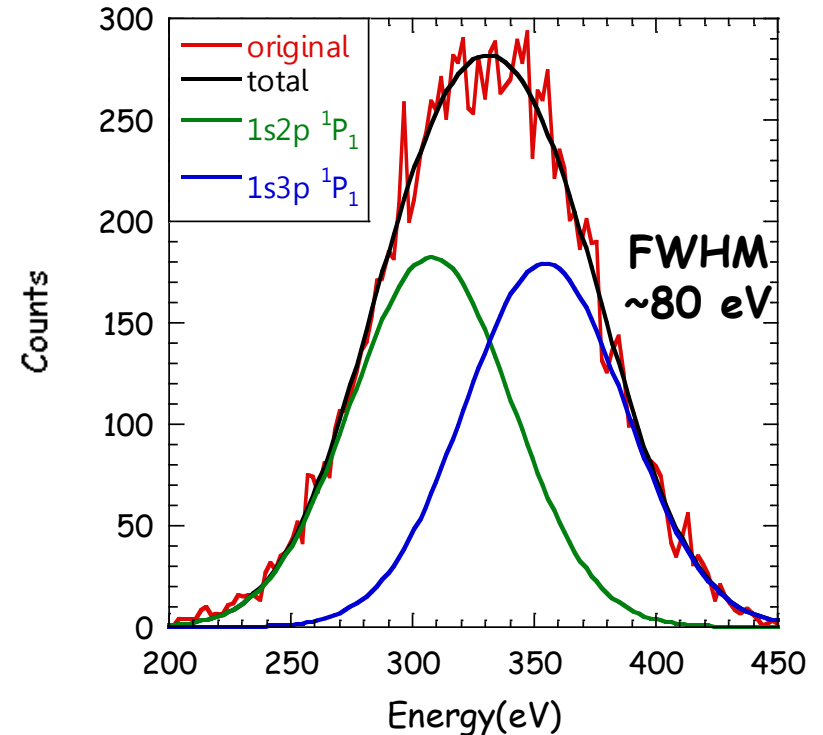
detector-collision center (mm)	150	150
Beam current (nA)	168.7	6.09
Pressure of target gas ( $10^{-3}$ Pa)	2.30	6.55
測定時間 (s)	300	10800
2p:3p:4p	100:9:6	100:28:32

# $C^{5+} - He$ 50 keV

## window less



## polymer window



detector-collision center (mm)	125	250
Beam current (nA)	2.47	5.35
Pressure of target gas ( $10^{-3}$ Pa)	6.47 ??	4.6
測定時間 (s)	2700	7200
2p:3p	100:3	100:98