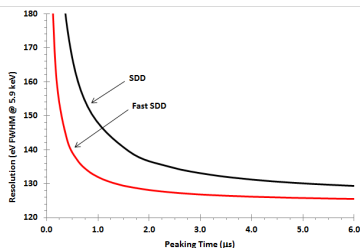


Resolution (FWHM @ 5.9keV)

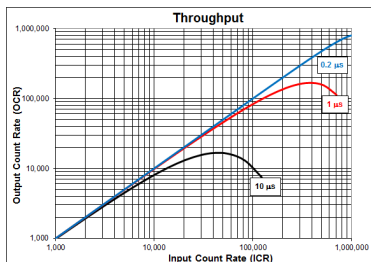
X-123, resolution, peak, fast SDD, resolution

Resolution (FWHM @ 5.9keV)

Resolution (FWHM @ 5.9keV)	Resolution (FWHM @ 5.9keV)
125 ?? (?? ??????????)	8 ??c
135 ?? (?? ??????????)	1???
155 ?? (?? ??????????)	0.2 ???

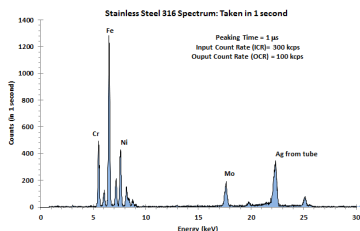


4. Throughput vs Input Count Rate (ICR) for FAST SDD and SDD. The graph shows that FAST SDD maintains a higher throughput at higher input rates compared to SDD.



5. Throughput vs Input Count Rate (ICR) for FAST SDD.

Resolution (FWHM @ 5.9keV)

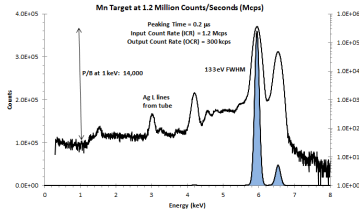


6. Resolution (FWHM @ 5.9keV) for 316 stainless steel. The graph shows that FAST SDD achieves a better resolution (lower FWHM) compared to SDD.

Resolution (FWHM @ 5.9keV) for 316 stainless steel. The graph shows that FAST SDD achieves a better resolution (lower FWHM) compared to SDD.

Resolution (FWHM @ 5.9keV)	Resolution (FWHM @ 5.9keV)	Resolution (FWHM @ 5.9keV)
V	0.05	0.16 ± 0.28
Cr	18.45	18.32 ± 0.80
Mn	1.63	0.40 ± 0.55
Fe	64.51	65.89 ± 1.64

Co	0.10	0.00 ± 0.40
Ni	12.18	12.56 ± 0.47
Cu	0.17	0.19 ± 0.02
Mo	2.38	2.34 ± 0.08



?????? ?????????? (Mn), ??????????? ??? 1,2 Mcps (???????? ??????? ?? ?????????) (????? ??? 0,5 ???) ? ??????? ?????????? FAST SDD™