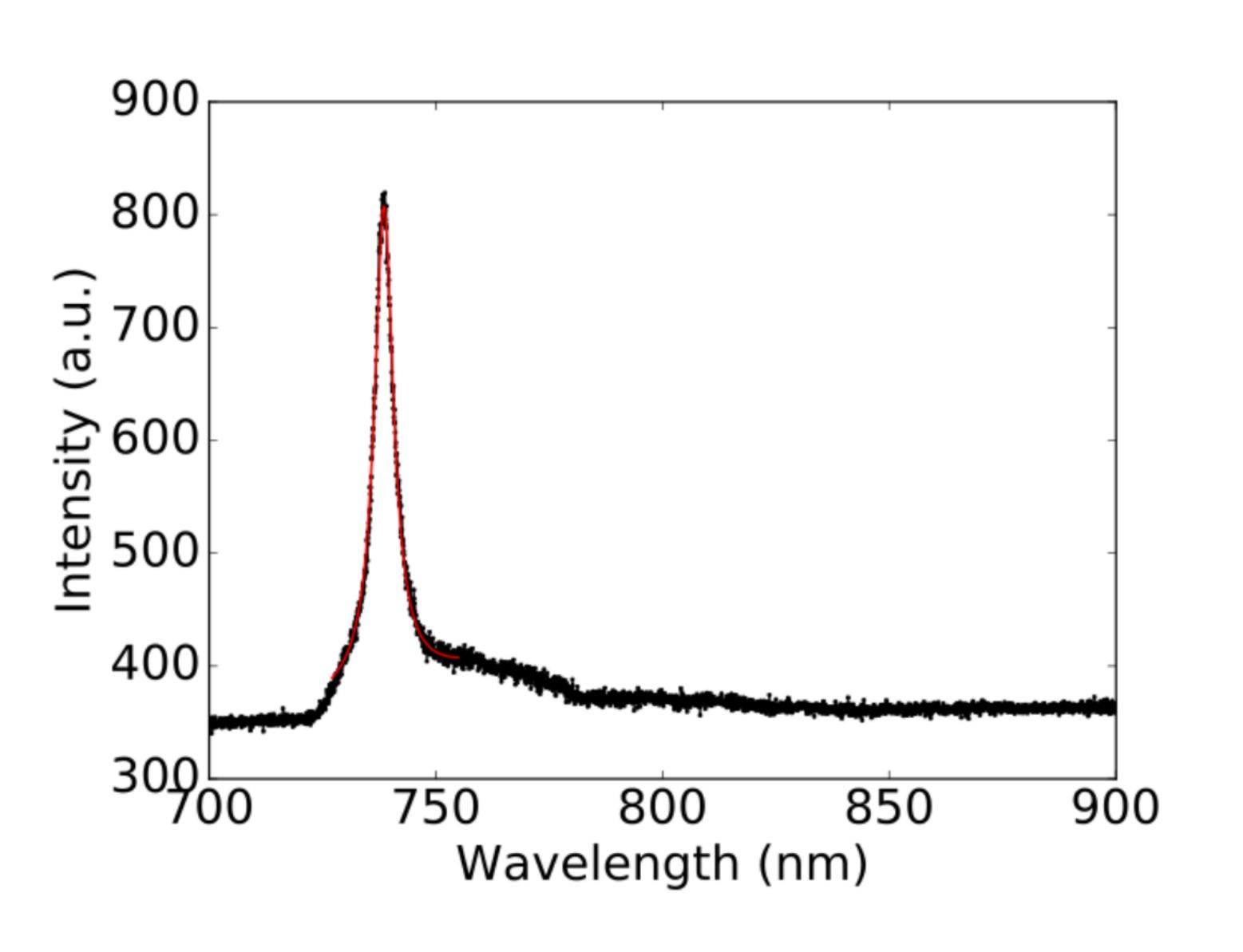
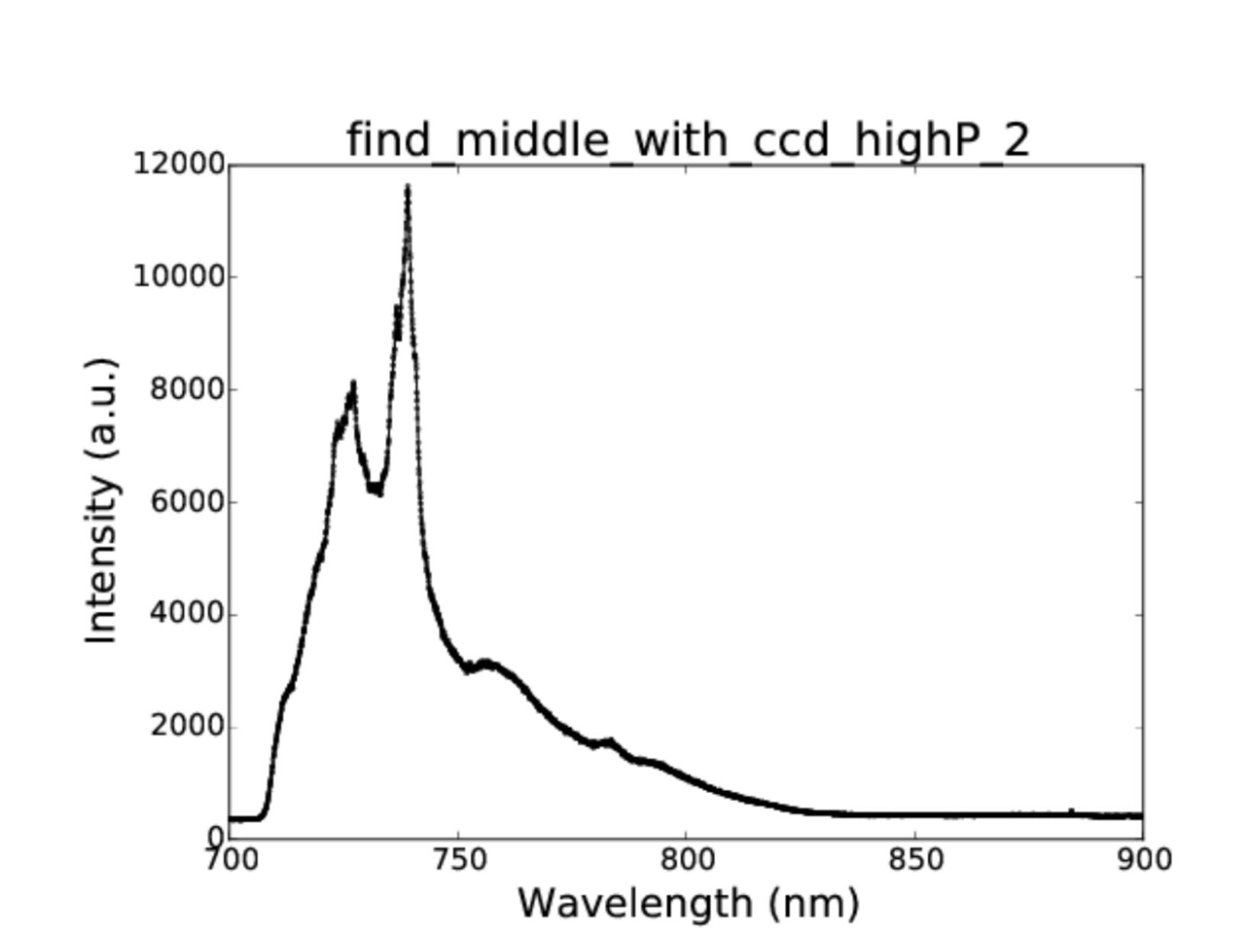
Emitter Em2 from sample Ir27M (not single)

	cps	Filter window	P
Before pick&place	13000	730-750	700μW
After p&p	45000	730-750	700μW



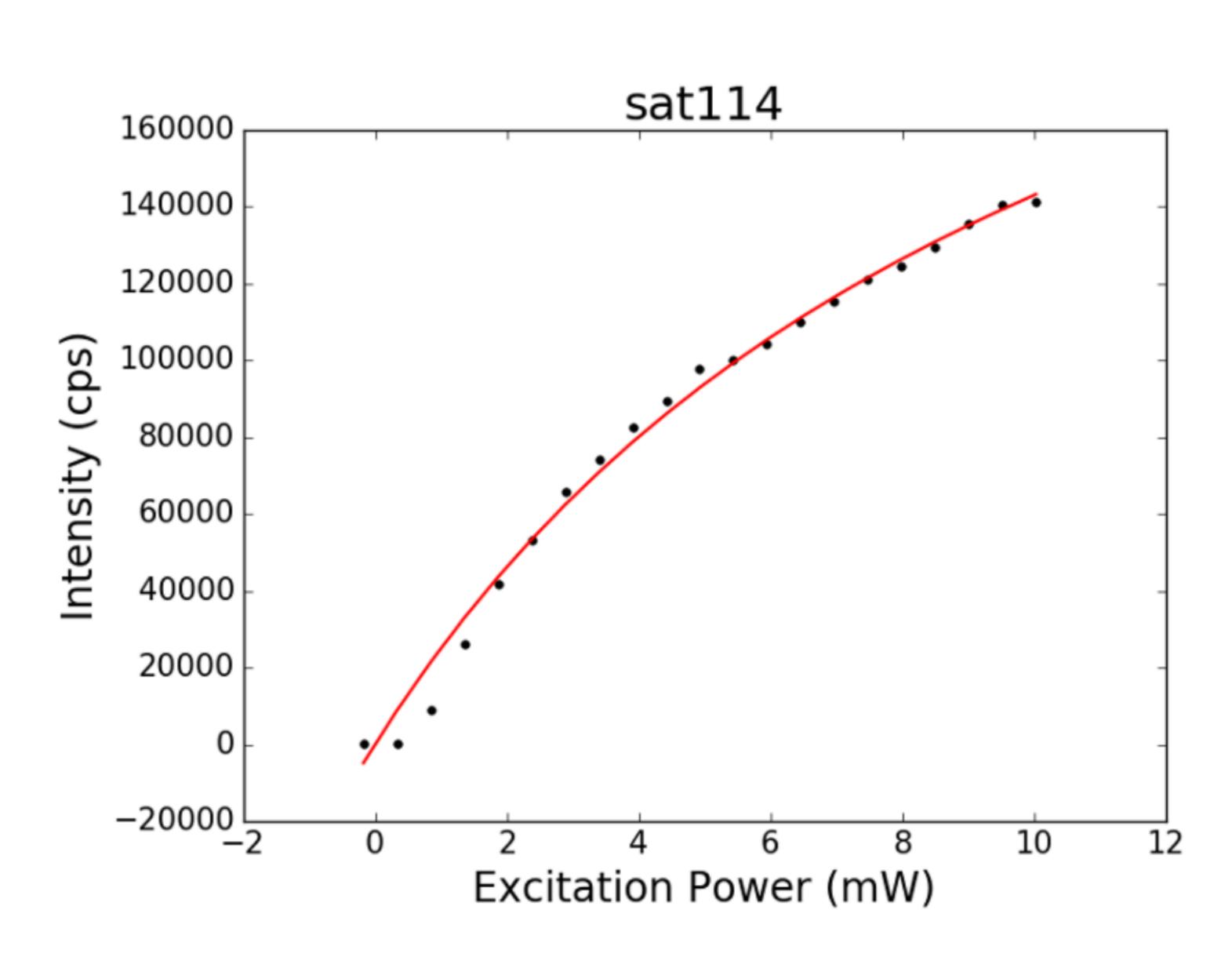


Error sources: not single

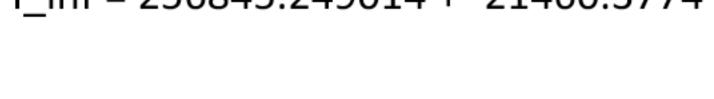
- Dipole orientation
- Electron radiation
- alignment

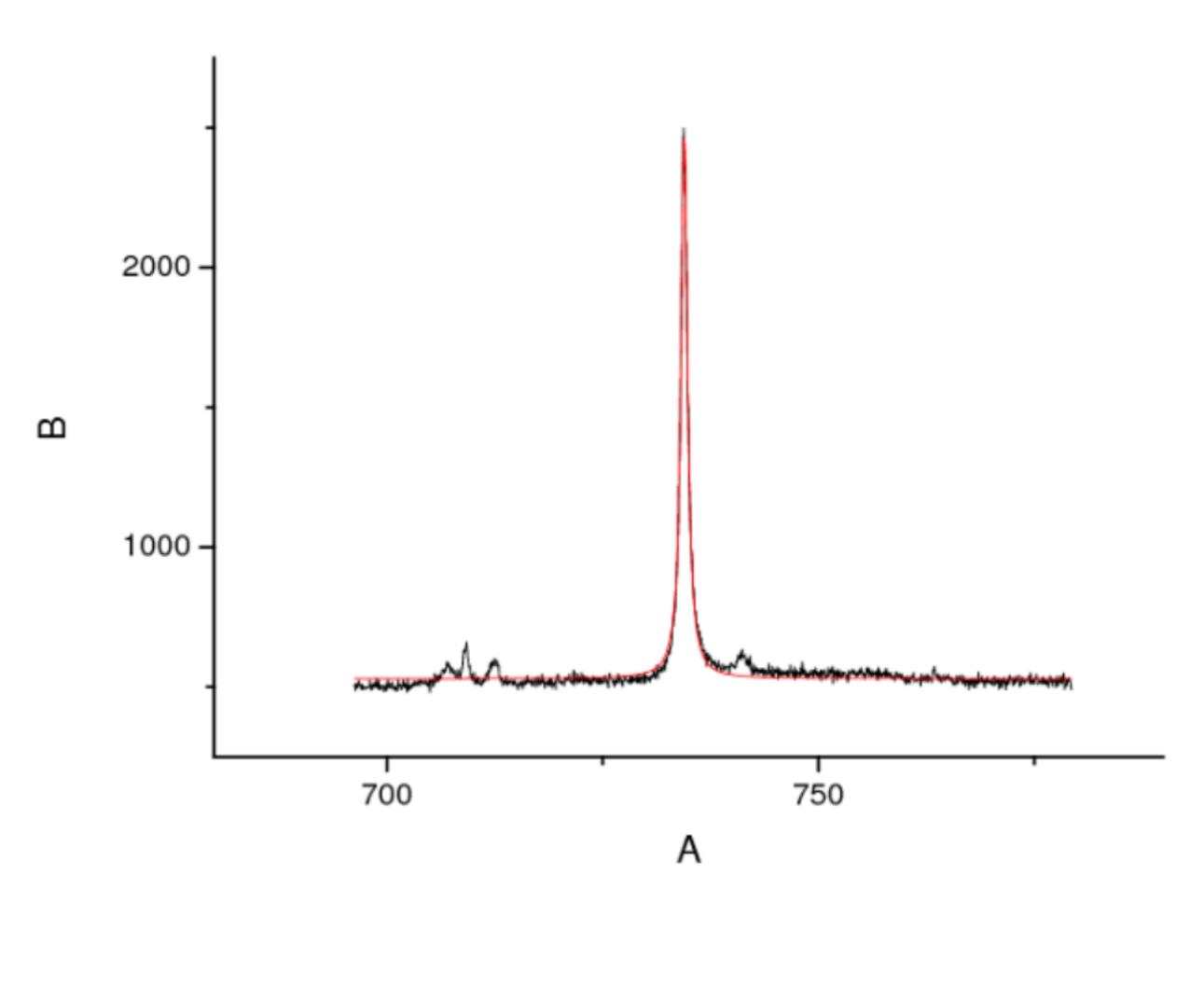
Emitter sat_113 from sample M02-16 (small dip in g2)

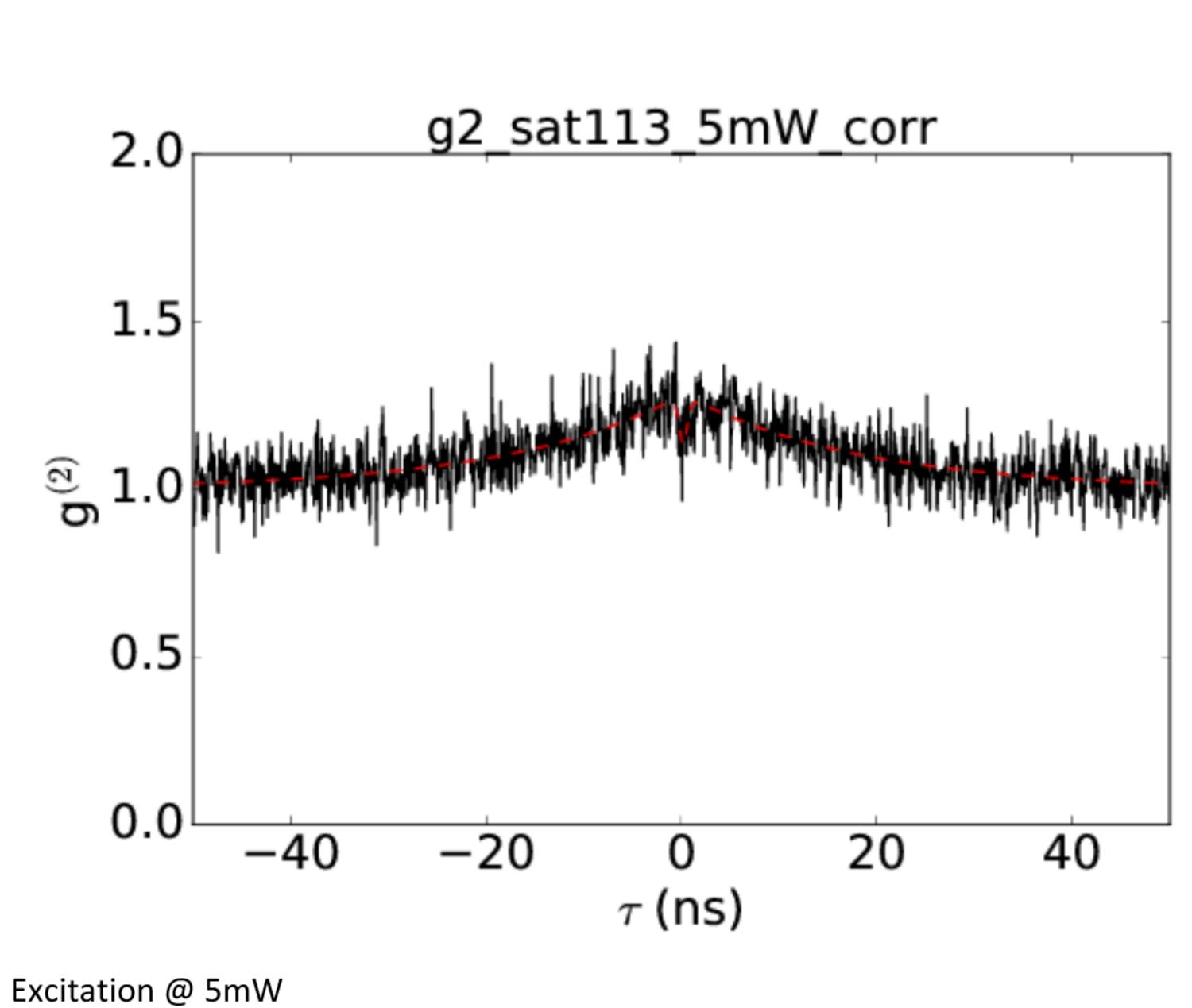
Before pick&place



P_sat = 7.49125303049 +- 1.16370339246 I_inf = 256845.249014 +- 21460.3774





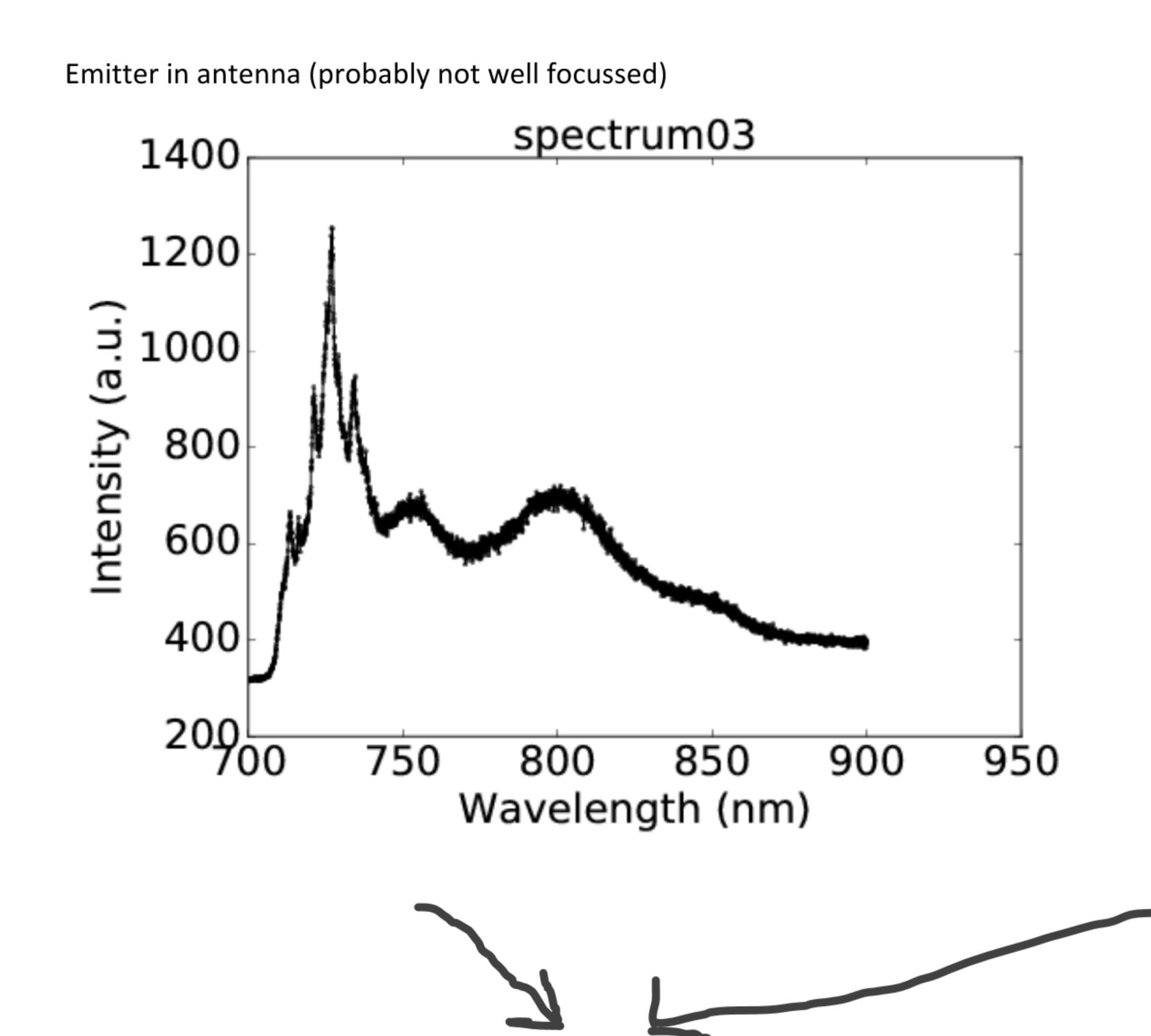


g2(0) = 1.15t1 = 0.28 ns

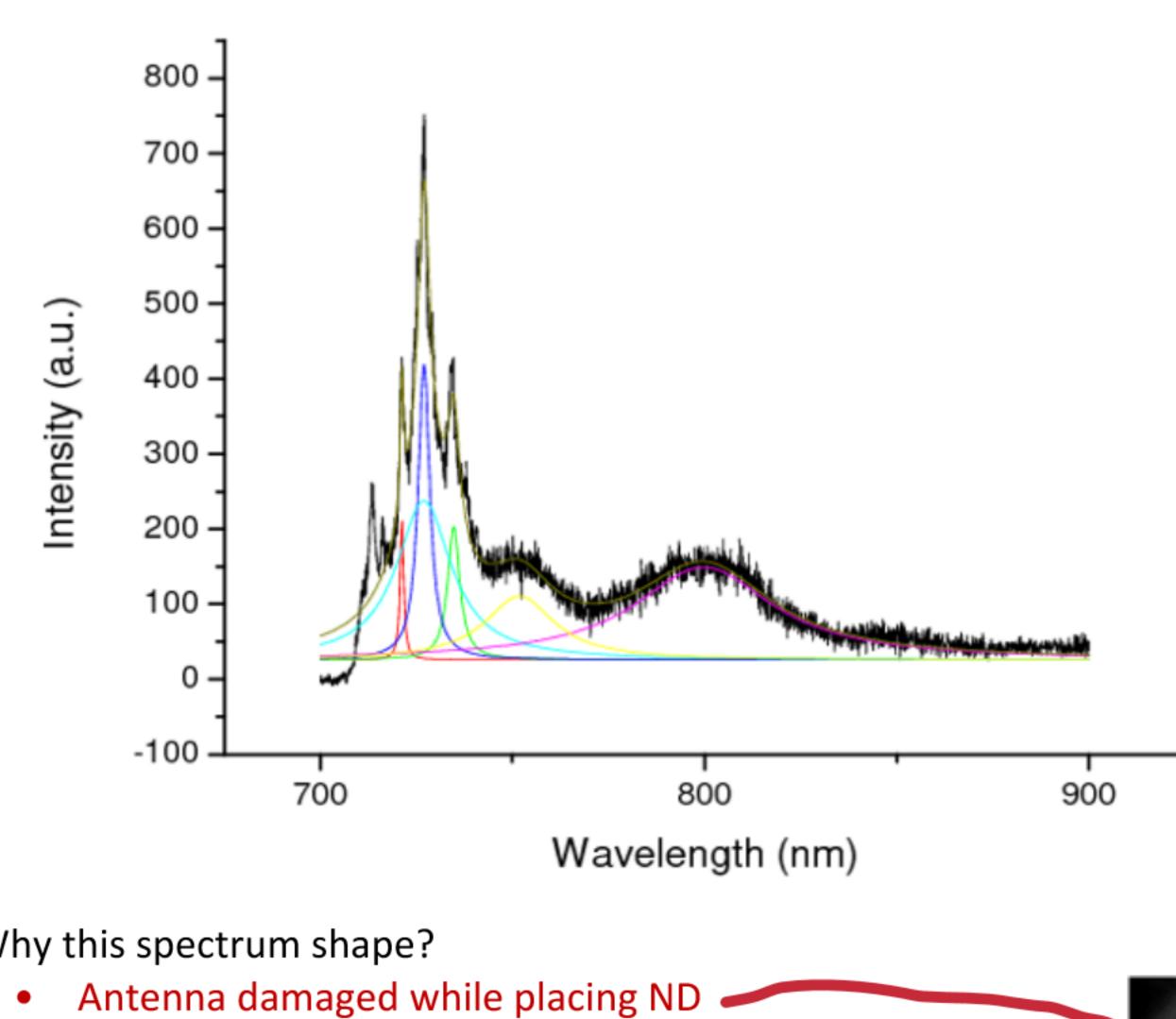
emitter; but also fast dynamics might be too fast to fully resolve g2 peak

Probably more than one

After pick&place:



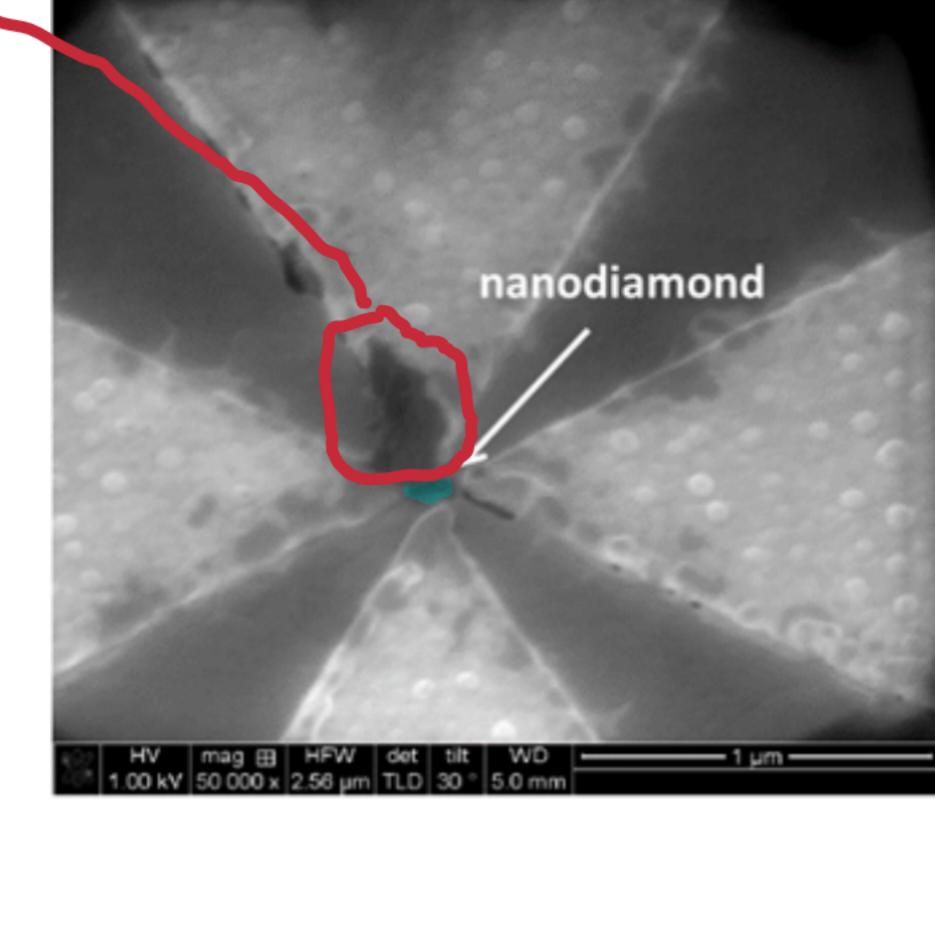
Spectrum after emitter died while trying to improve focus (-> background) spectrum05 600 550 e 500 Intensity 450 350 300 750 900 950 800 850 Wavelength (nm)



Why this spectrum shape?

After background substraction

- ND not perfectly in antenna
- ND probably covered in gold due to placing Damage from electron radiation in SEM



Count rate comparison:

- Via count rate in filter window 730-750nm (@1mW, because that's where we did the measurements before the emitter died):
 - Before p&p 25000 cps (from sat. Curve) After p&p 61000 cps (from PL scan)
 - -> factor 2.44 enhancement
 - Via comparison of the area under the PL curve: Before 2797 a.u.

р&р Depending on fit 3664 (blue + green + red curve in fit above)-6076 a.u. (same unit as After p&p above) -> factor 1.3-2.3 enhancement

Error sources:

- Possibly not single (probably more than one emitter; but also dynamics might be too fast to fully resolve g2 peak) Dipole orientation
- Alignment Background due to antenna Possibly bad focus in measurements after p&p

Electron radiation in SEM may damage SiV