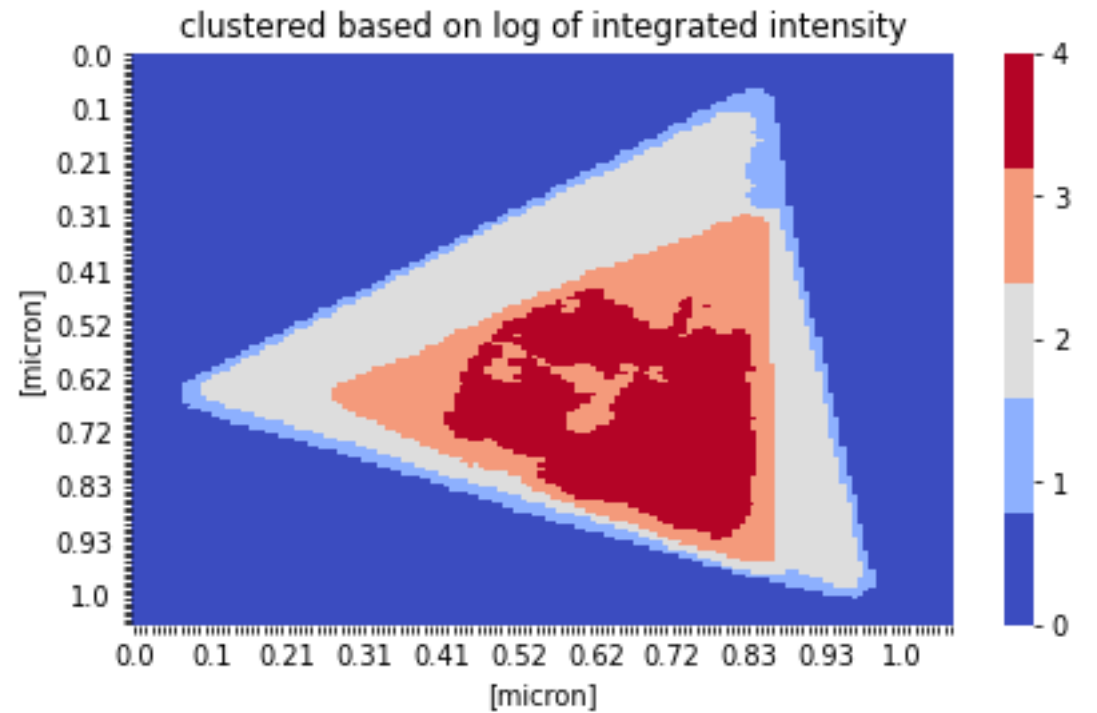
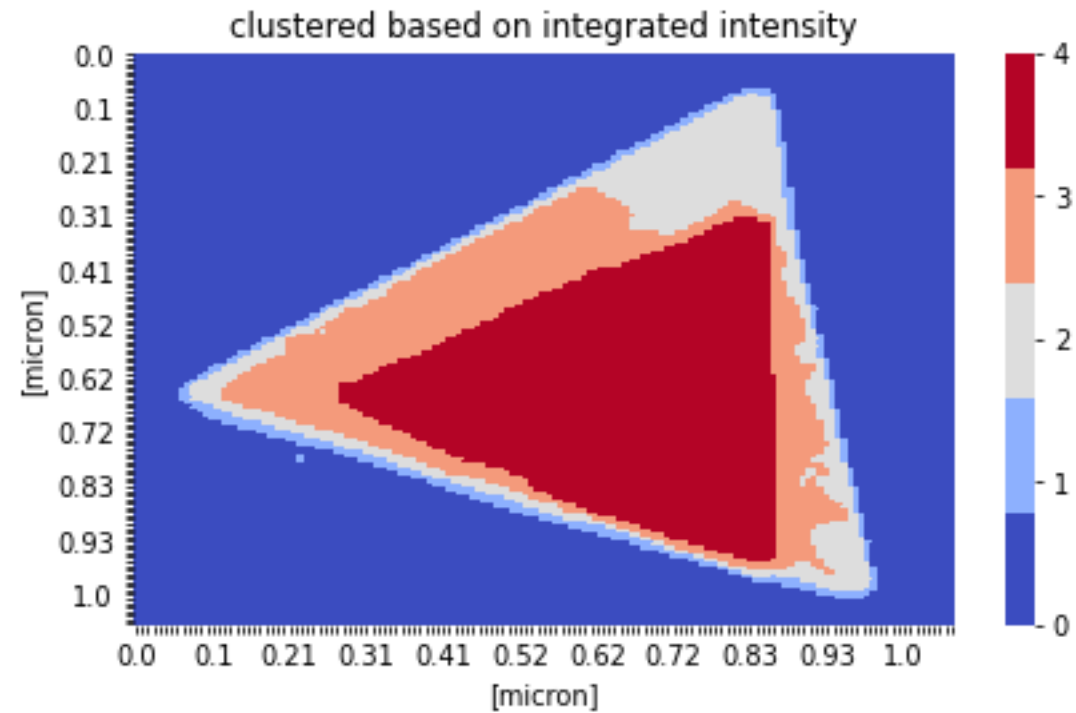
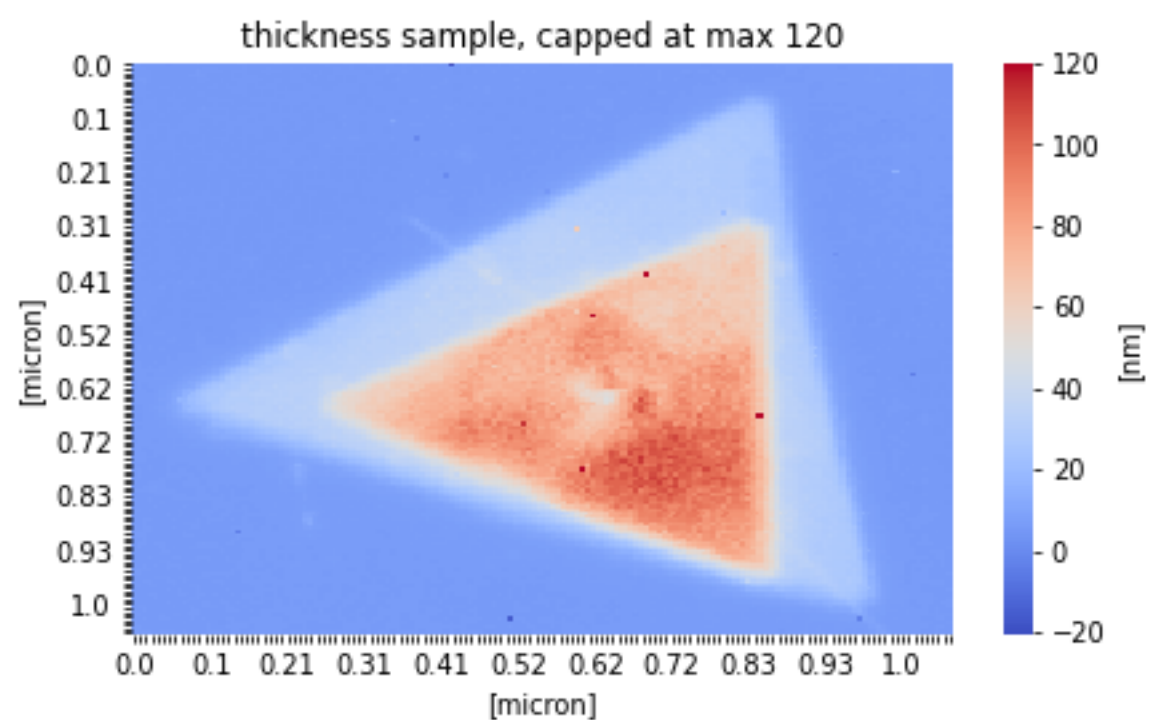


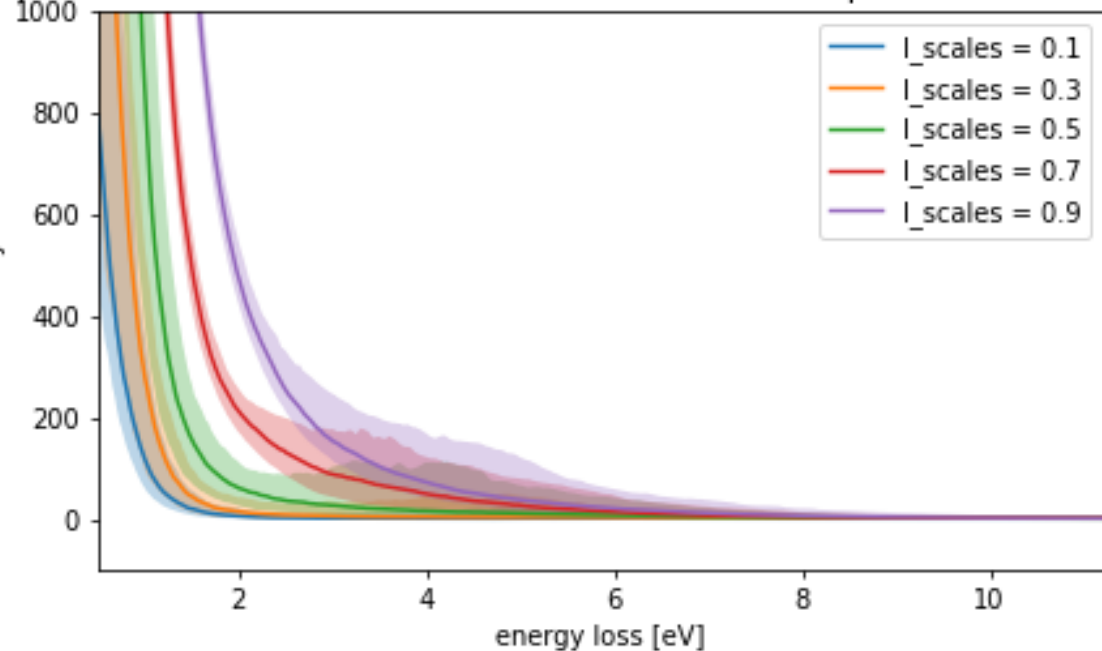
Meeting April 9th

Discussion point 1

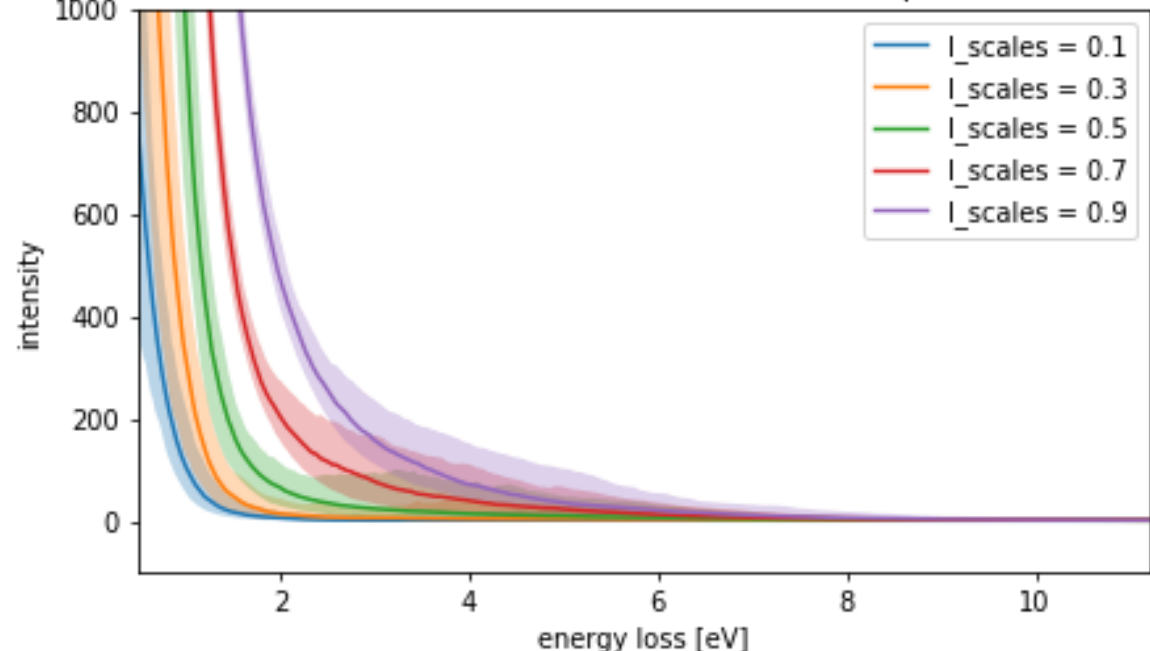
- Cluster on (log of) integrated intensity



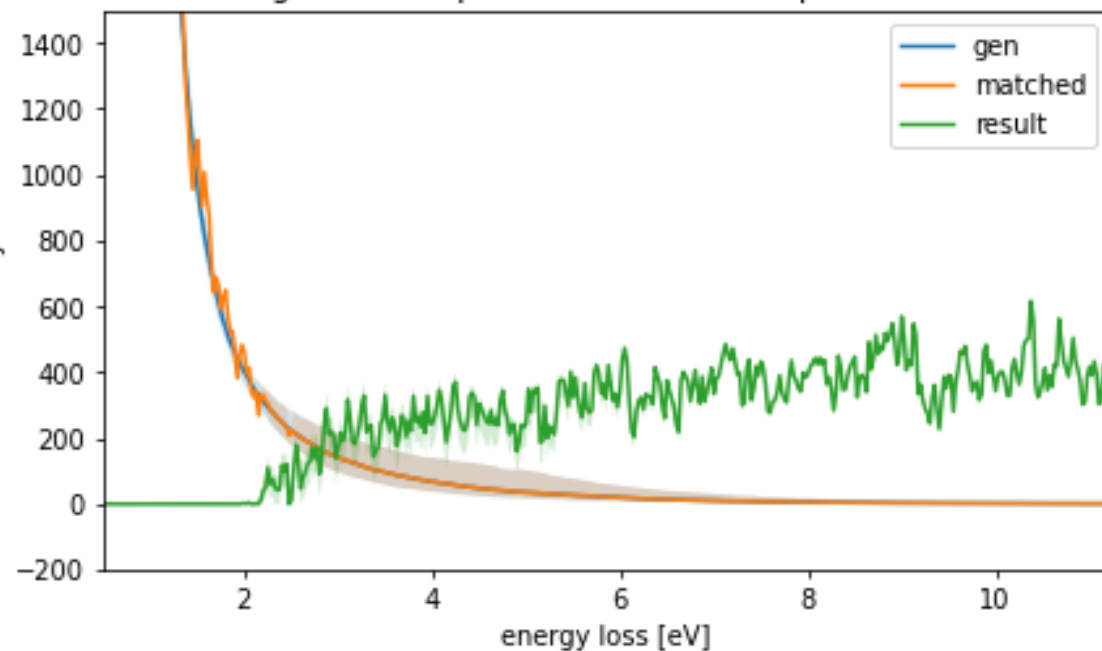
predictions for scaled intensities 0.1-0.9 of Lau's sample, clustered on sum



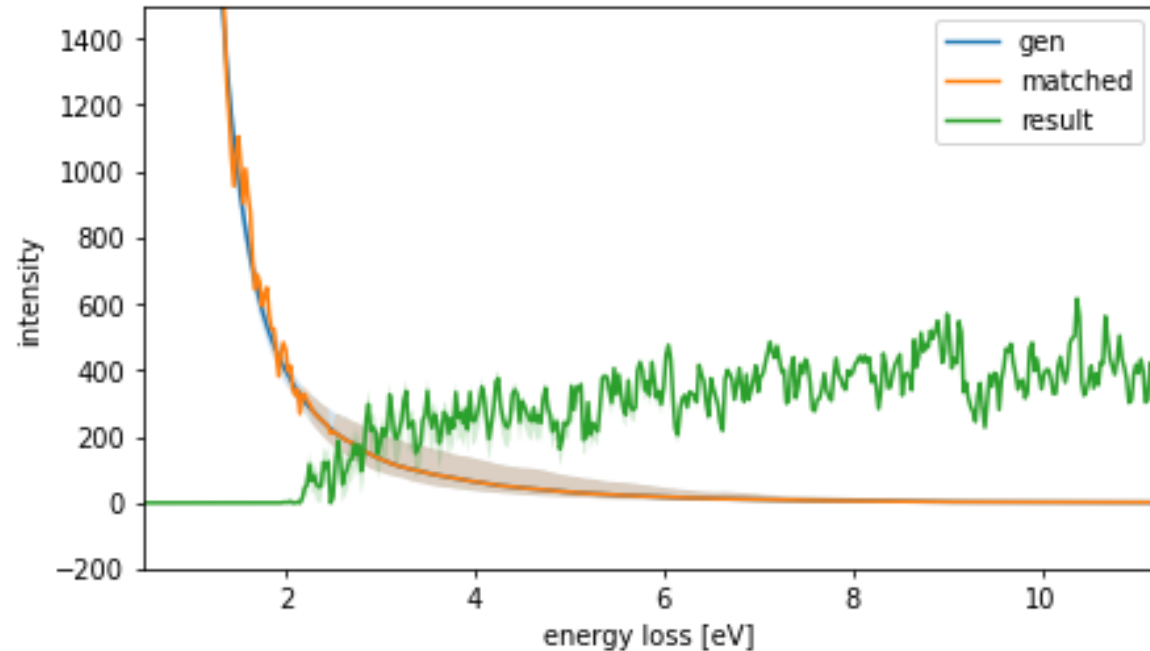
predictions for scaled intensities 0.1-0.9 of Lau's sample, clustered on log



ZLP matching results at pixel[50,60]Lau's sample, clustered on sum



ZLP matching results at pixel[50,60]Lau's sample, clustered on log

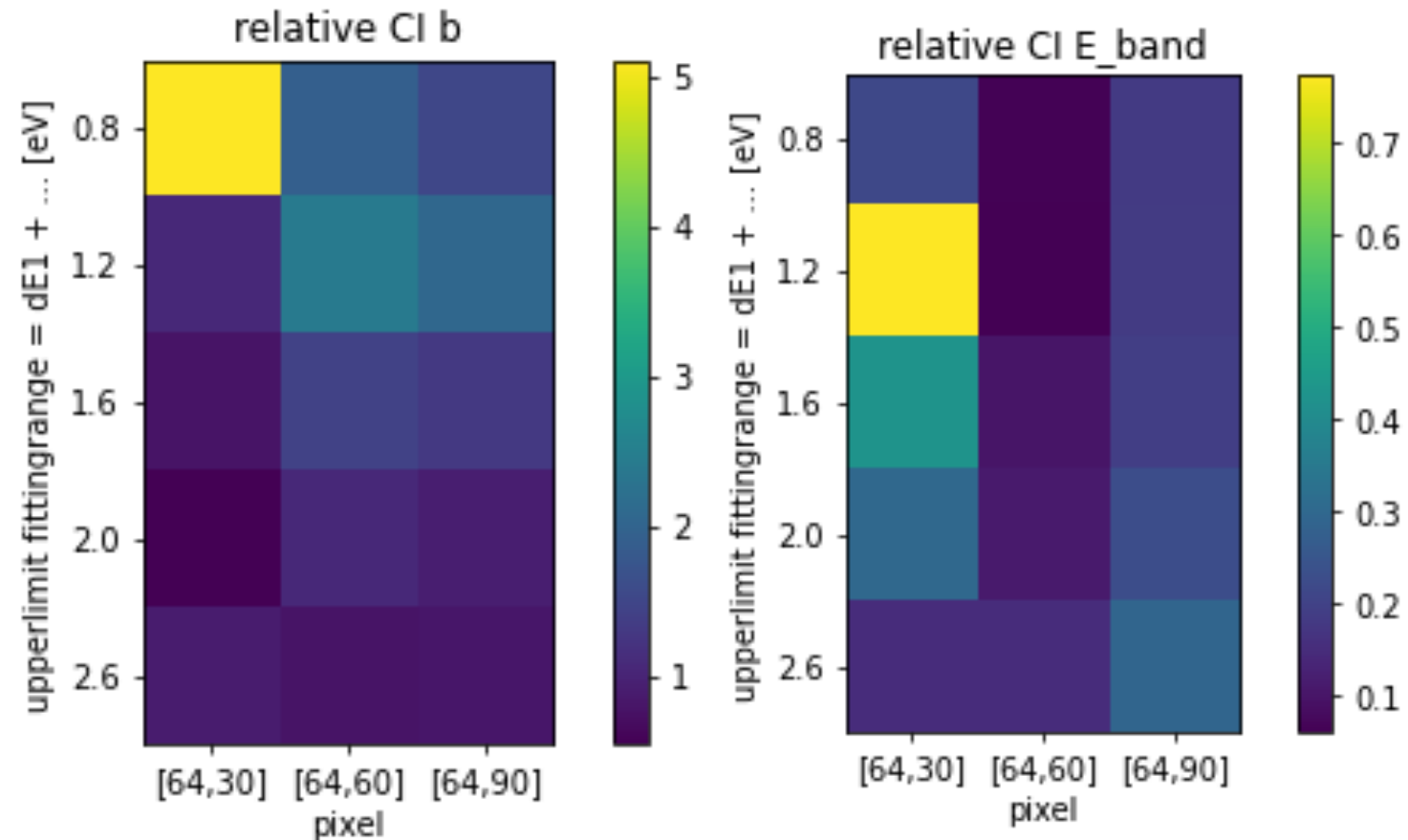


Discussion point 2

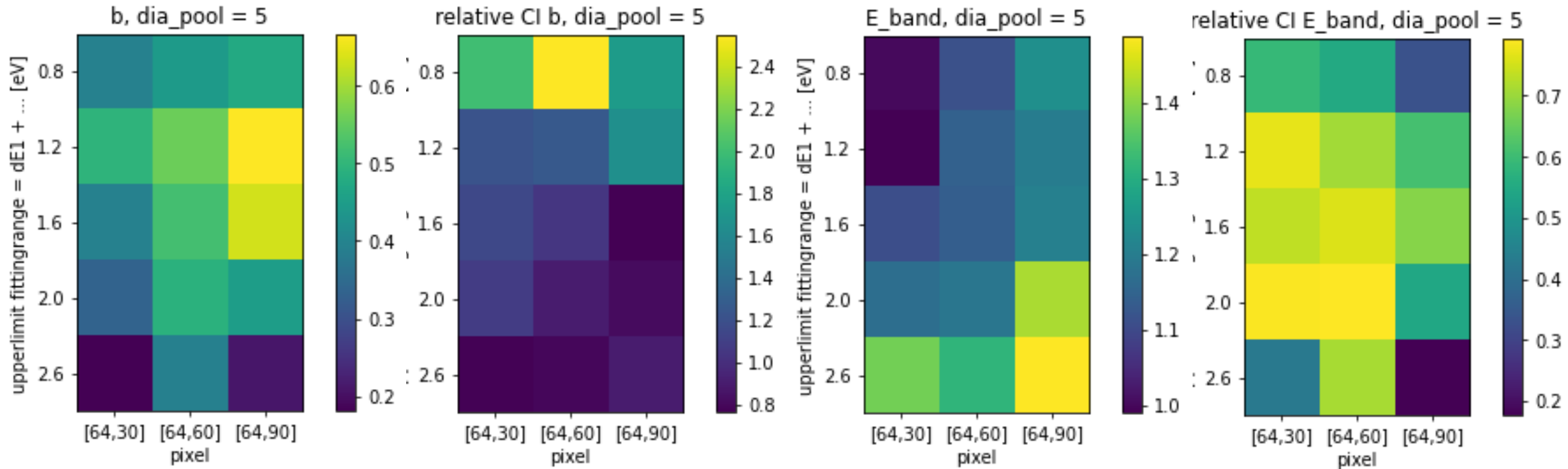
- Allow pooling only for odd numbers?
 - → pooling 2x2 doesn't map to single pixel, but in between pixels
 - → unable to compare results 1:1...

Discussion point 3

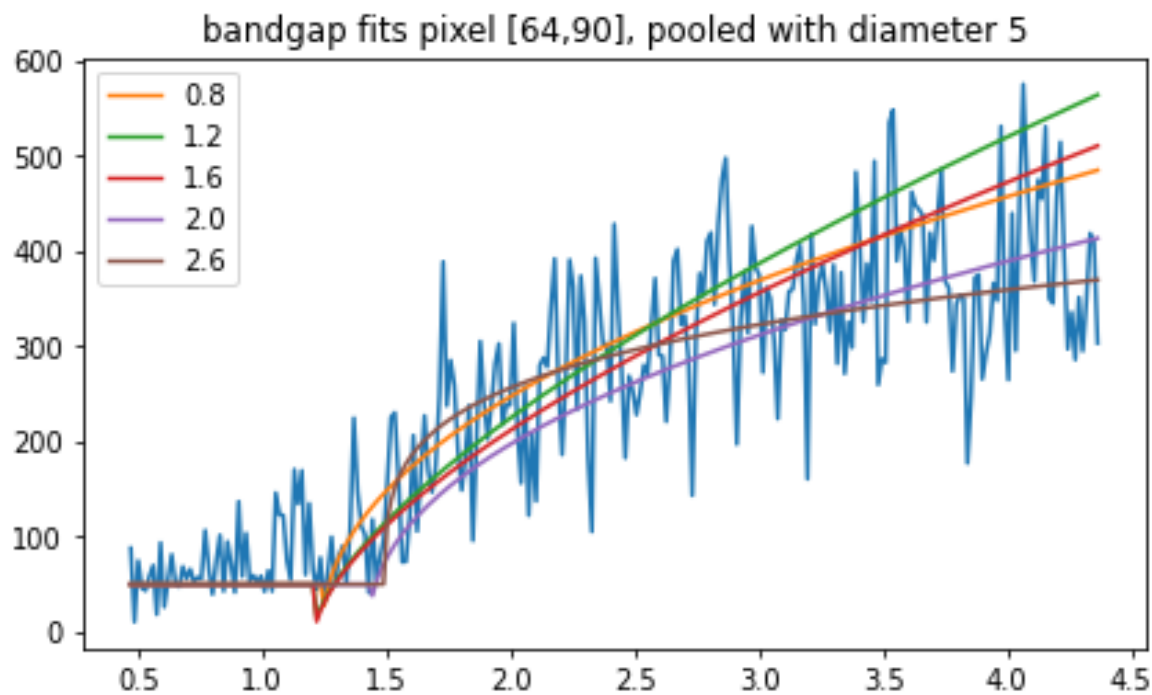
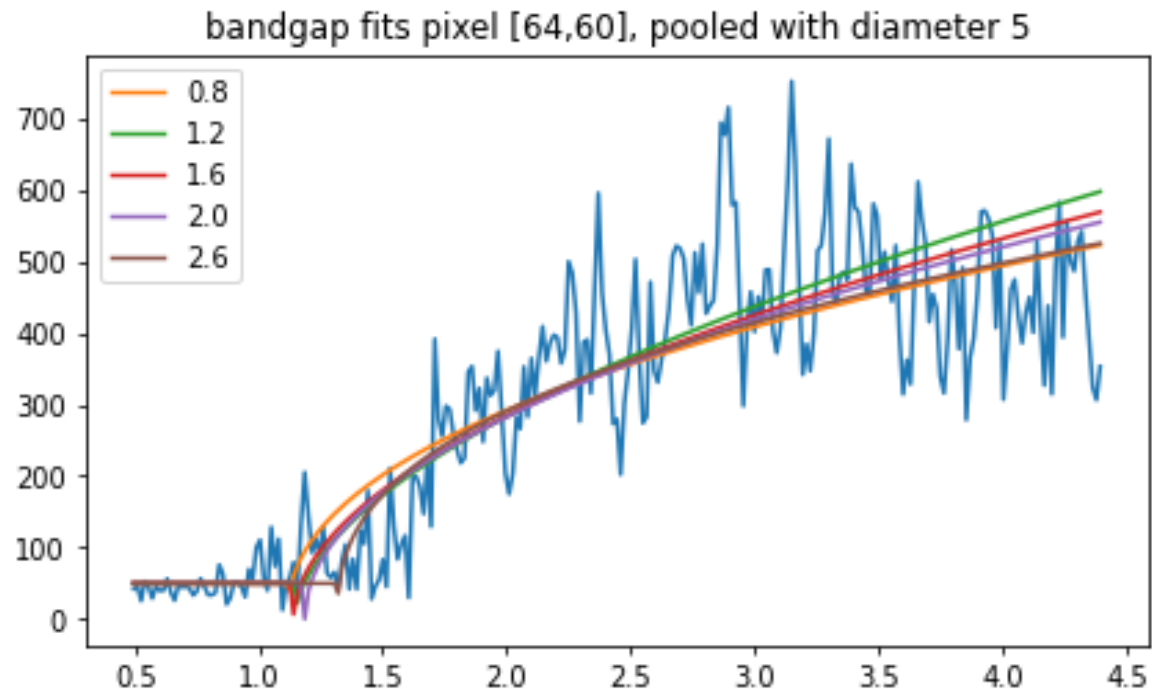
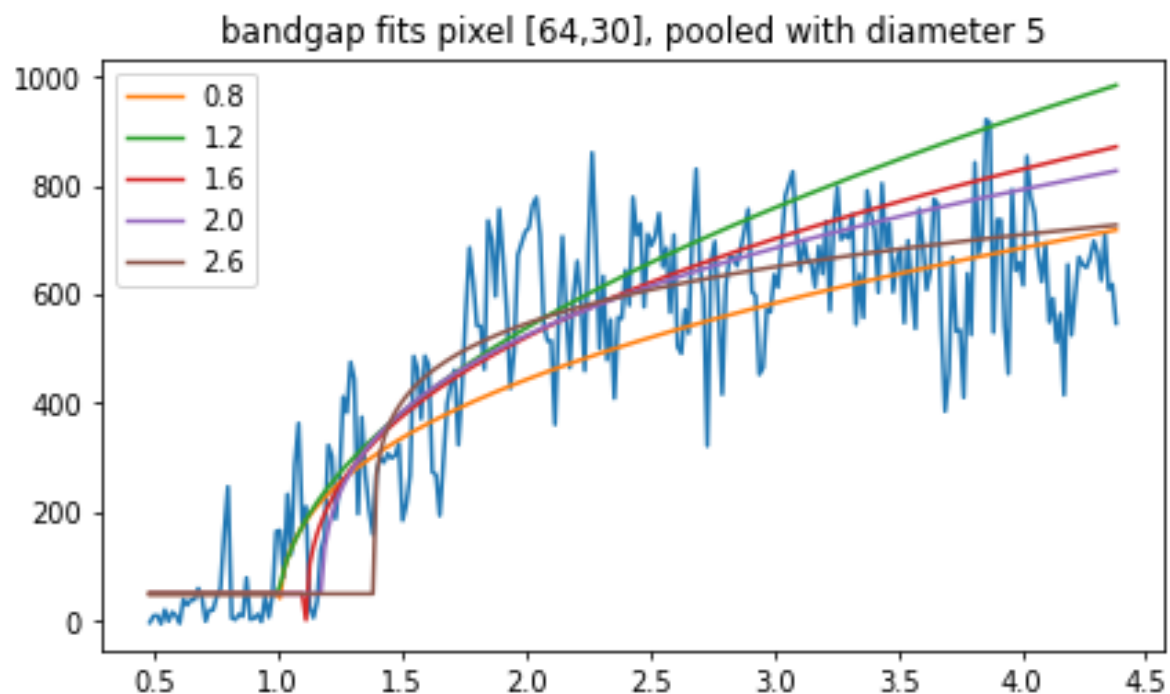
- Relative errors on bandgaps
- Fitting range not pooled:
 - For three random pixels:
 - Continue for now with 2?



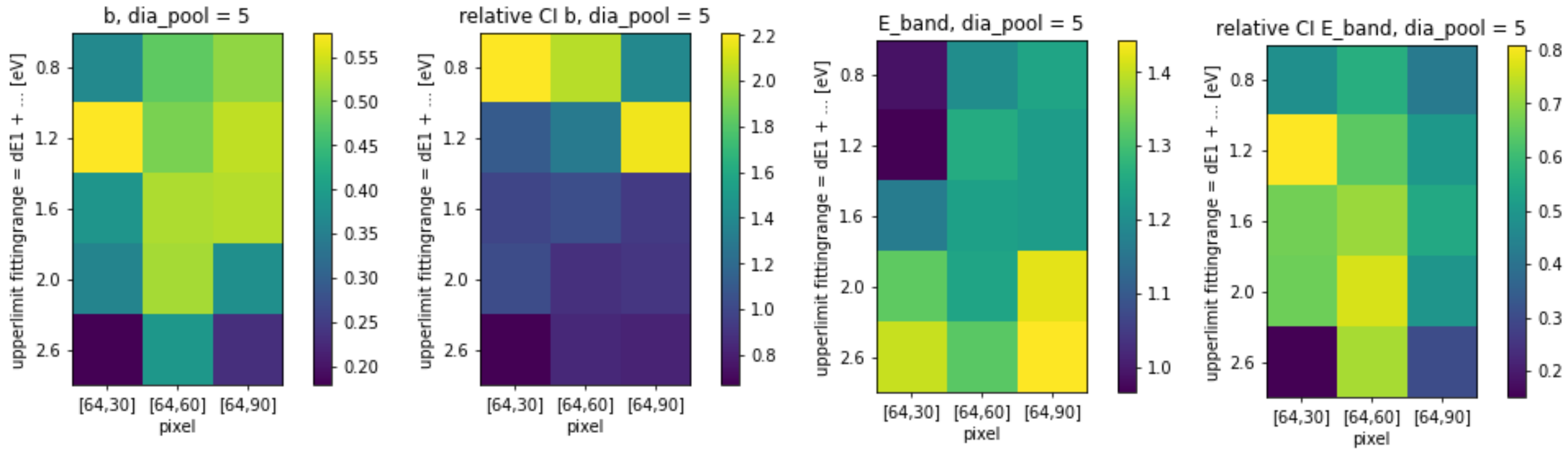
Pooled results, diameter pooling = 5 pixels



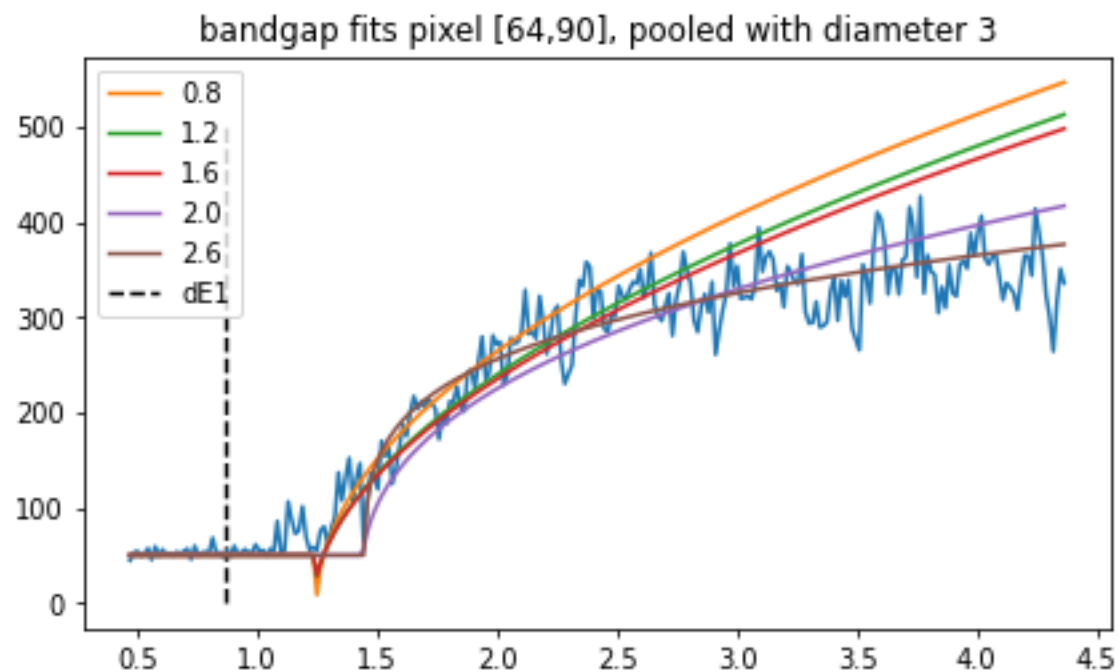
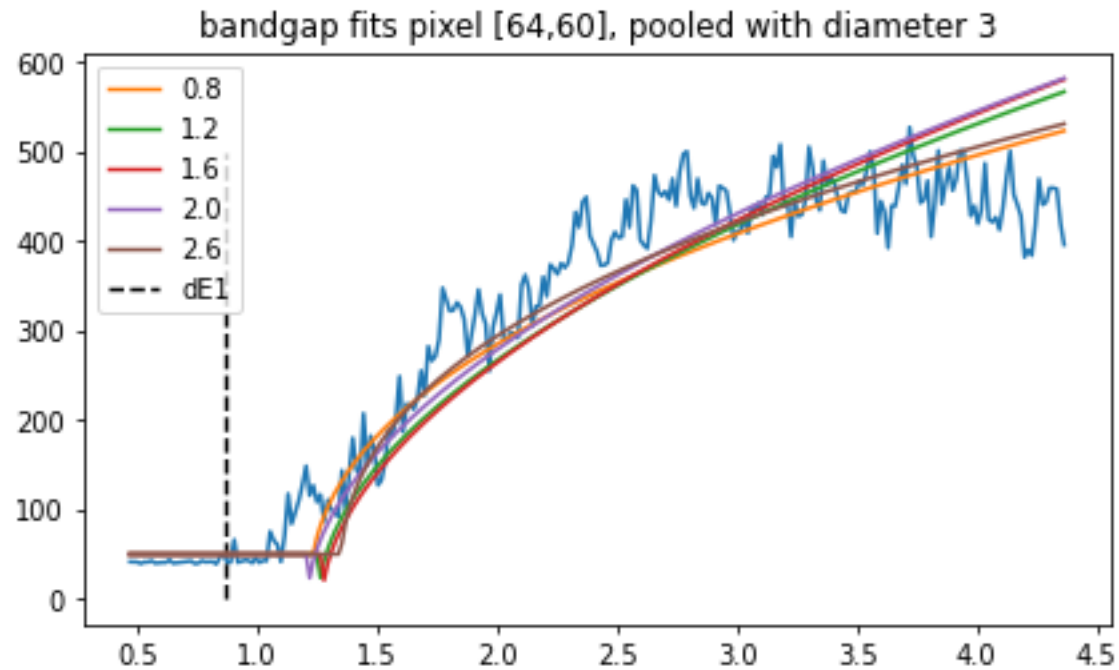
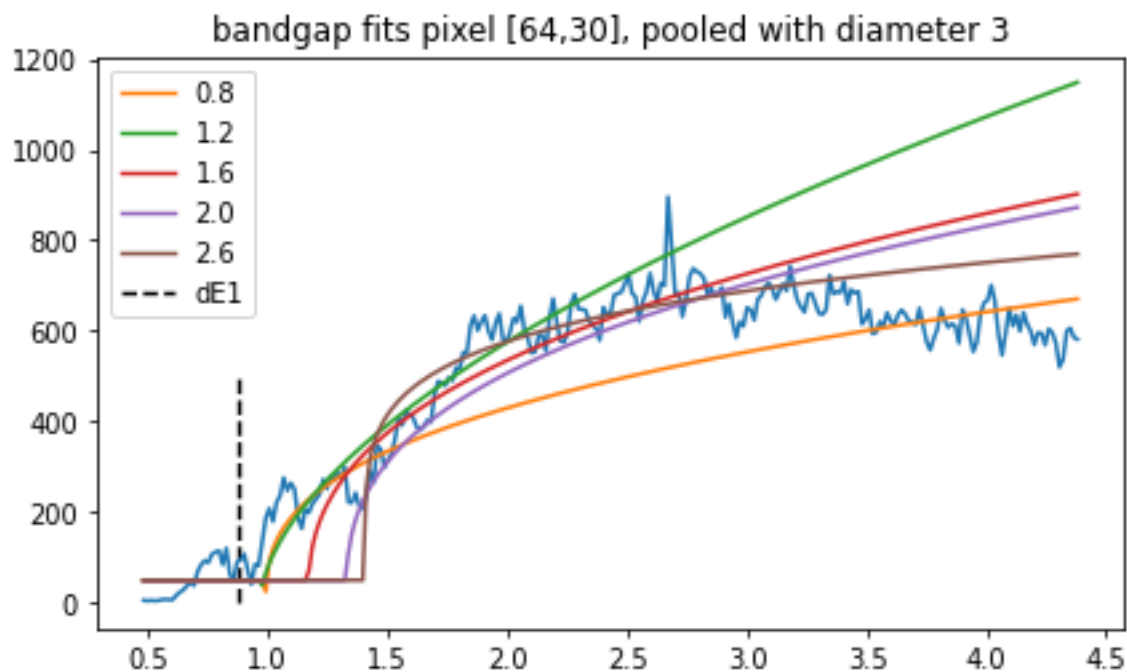
Pooled results, diameter pooling = 5 pixels



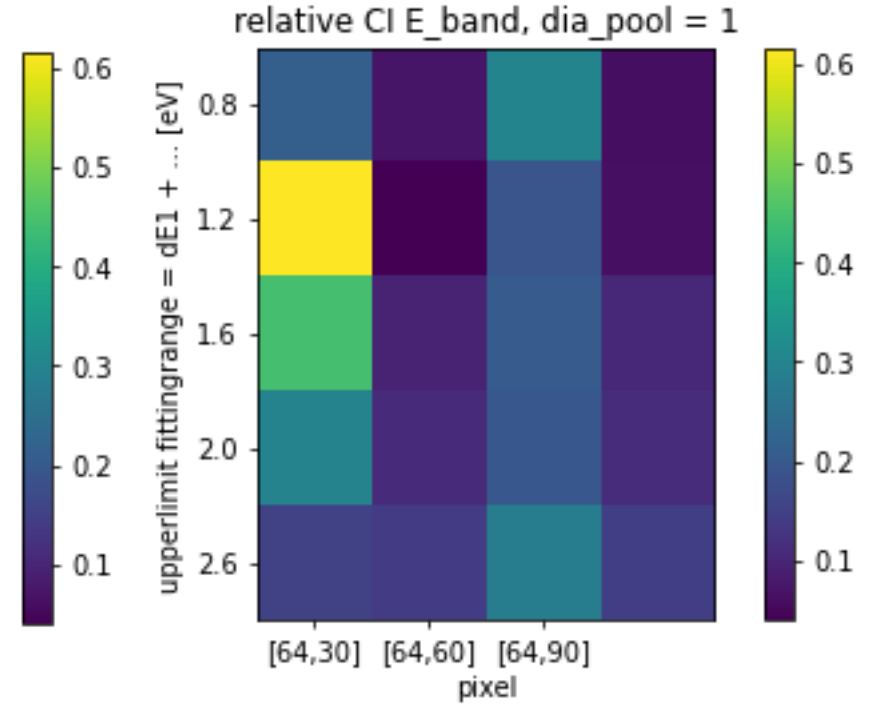
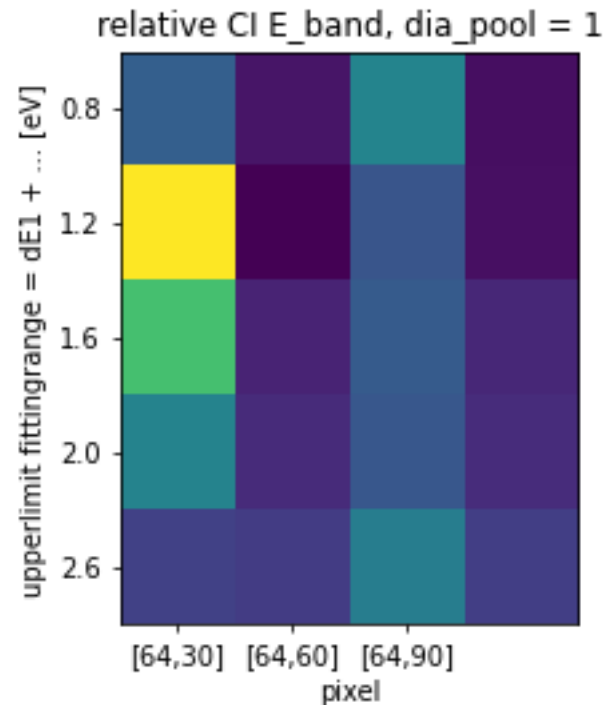
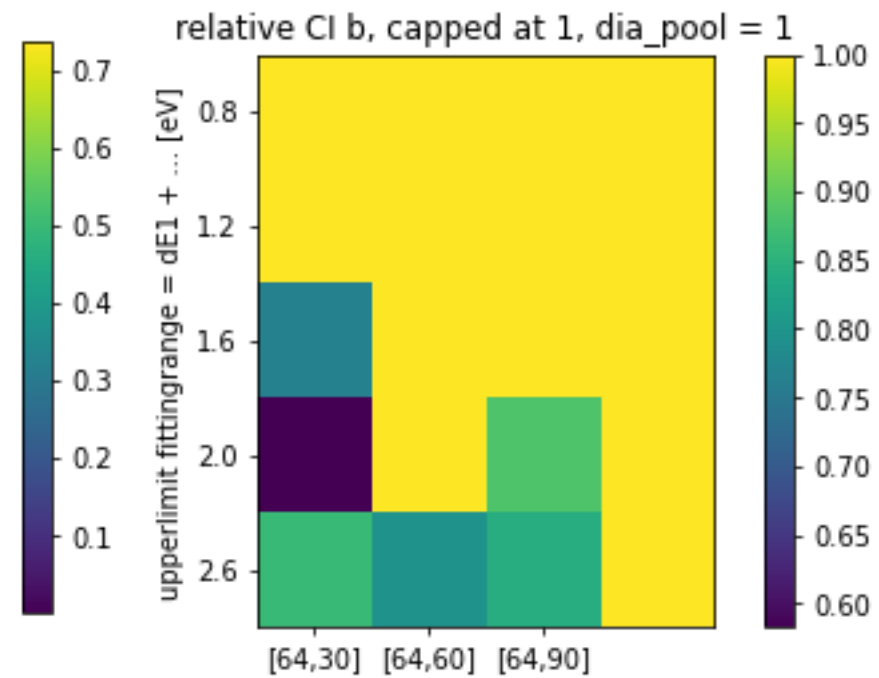
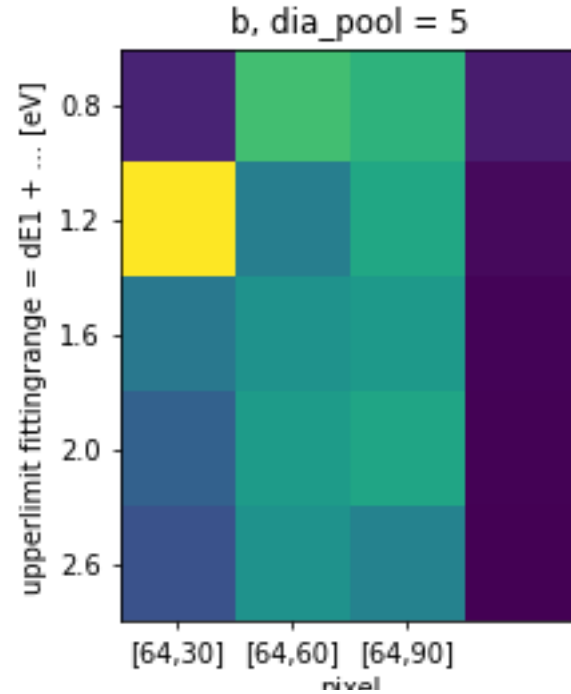
Pooled results, diameter pooling = 3 pixels



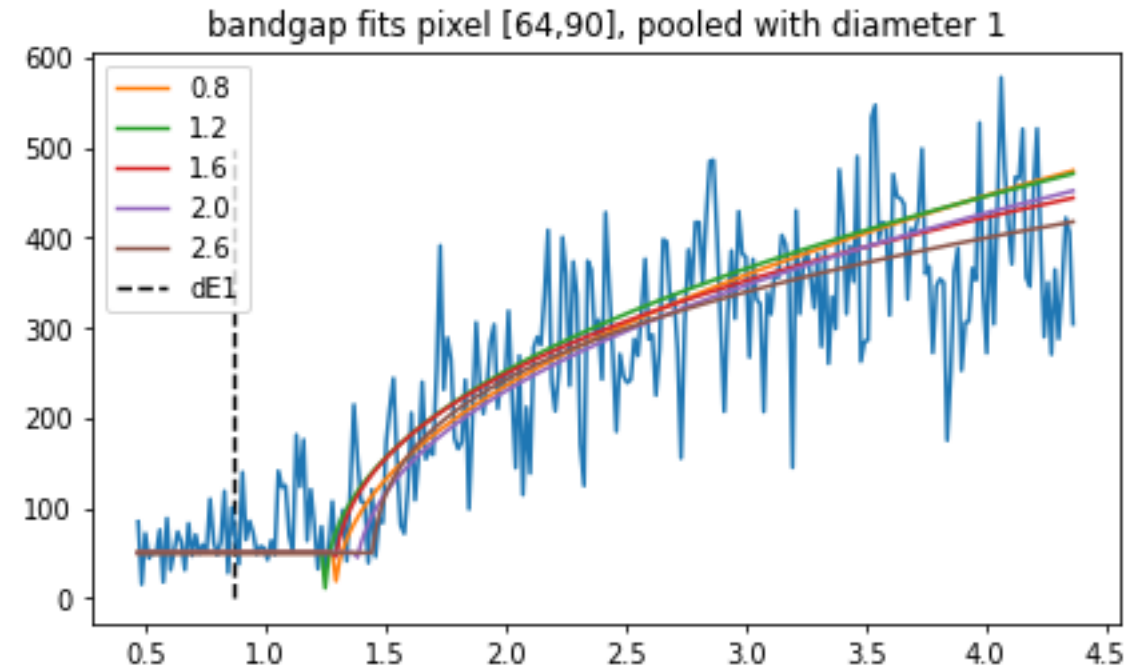
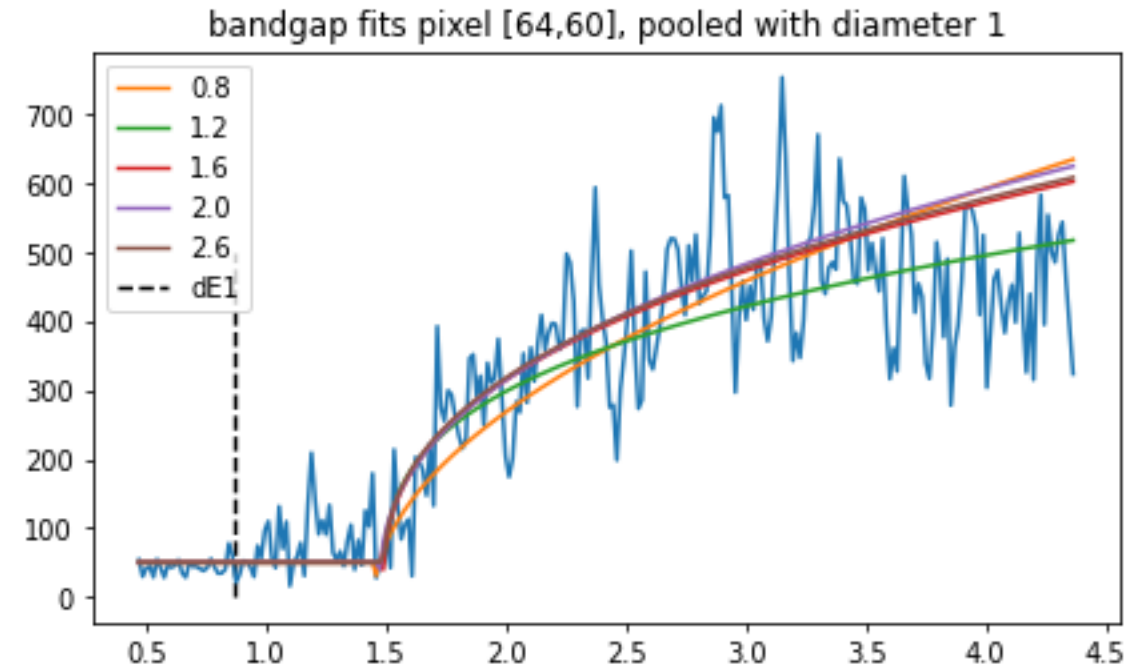
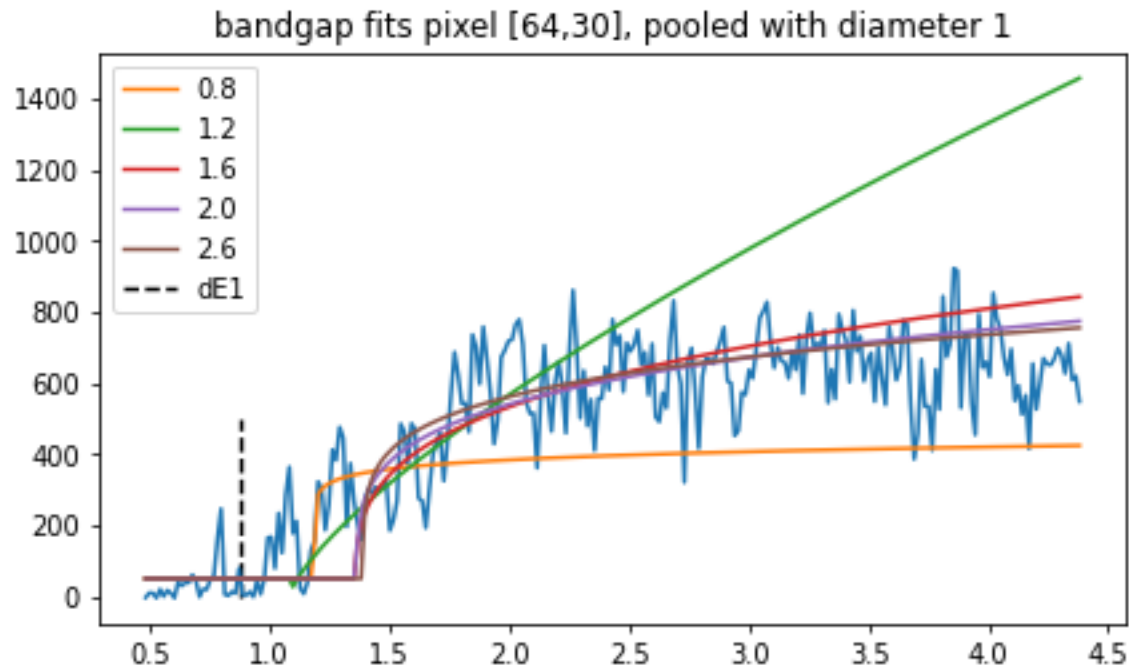
Pooled results, diameter pooling = 3 pixels



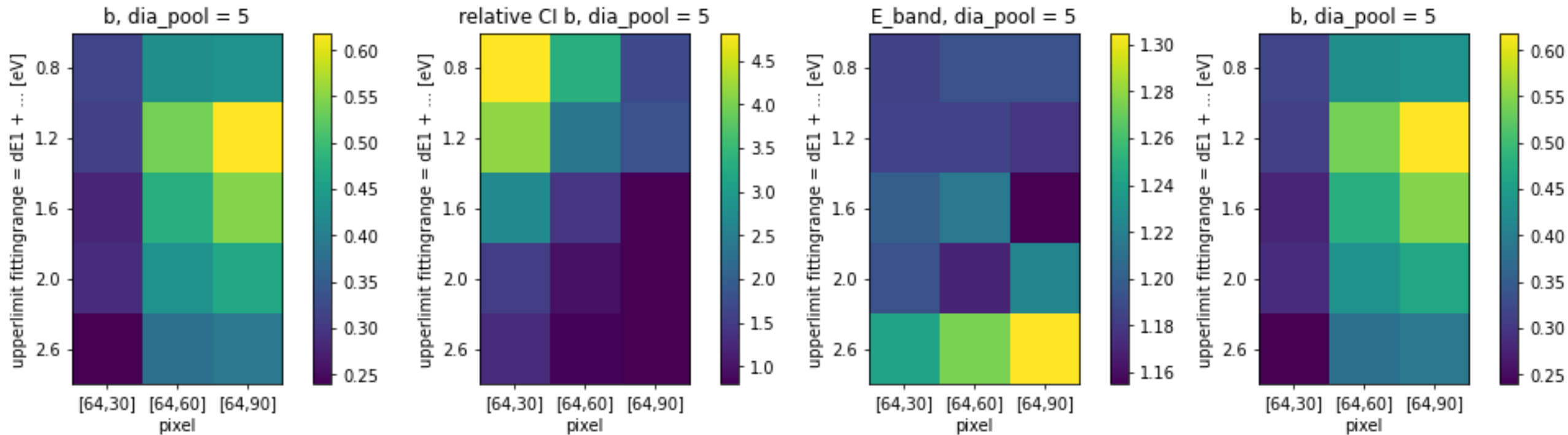
Pooled results,
diameter pooling
= 1 pixel



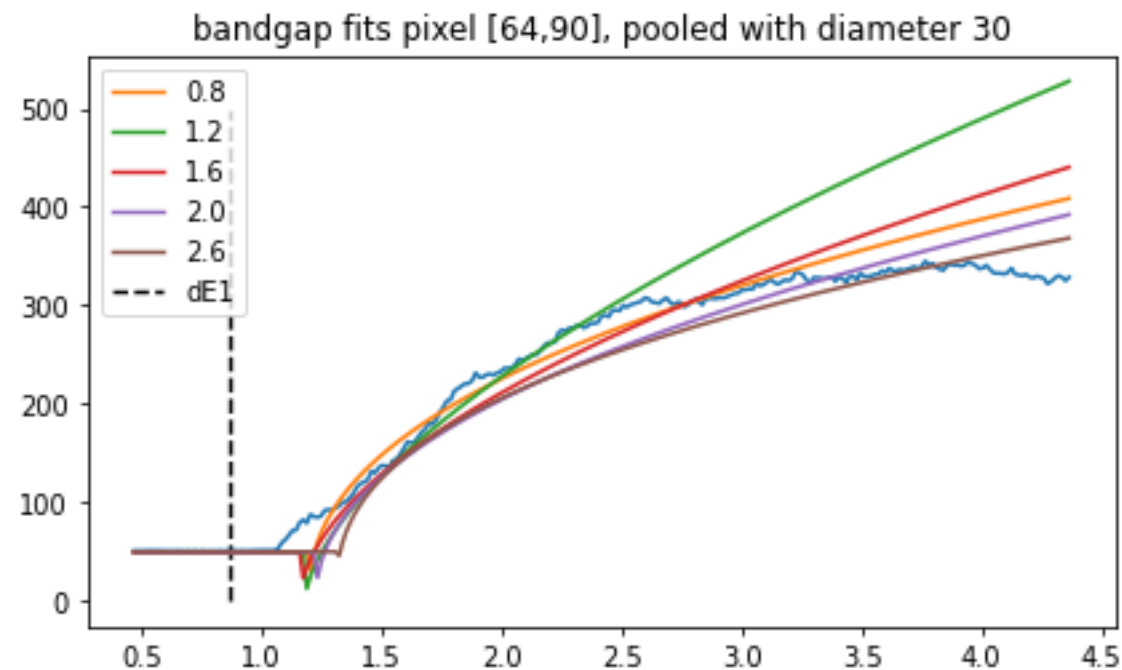
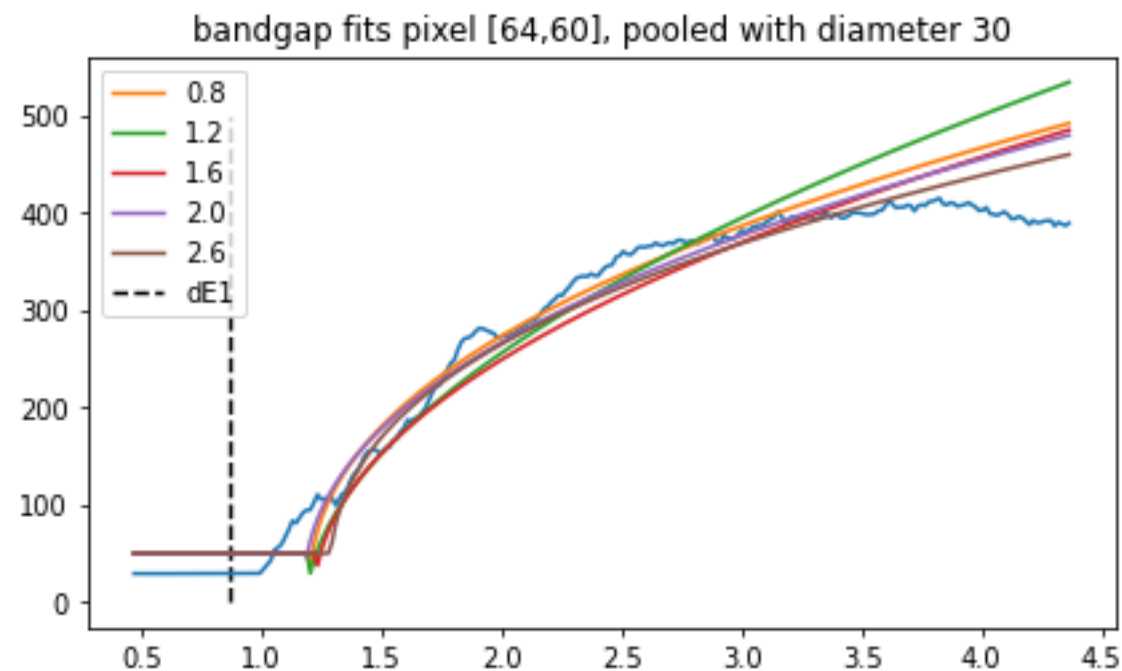
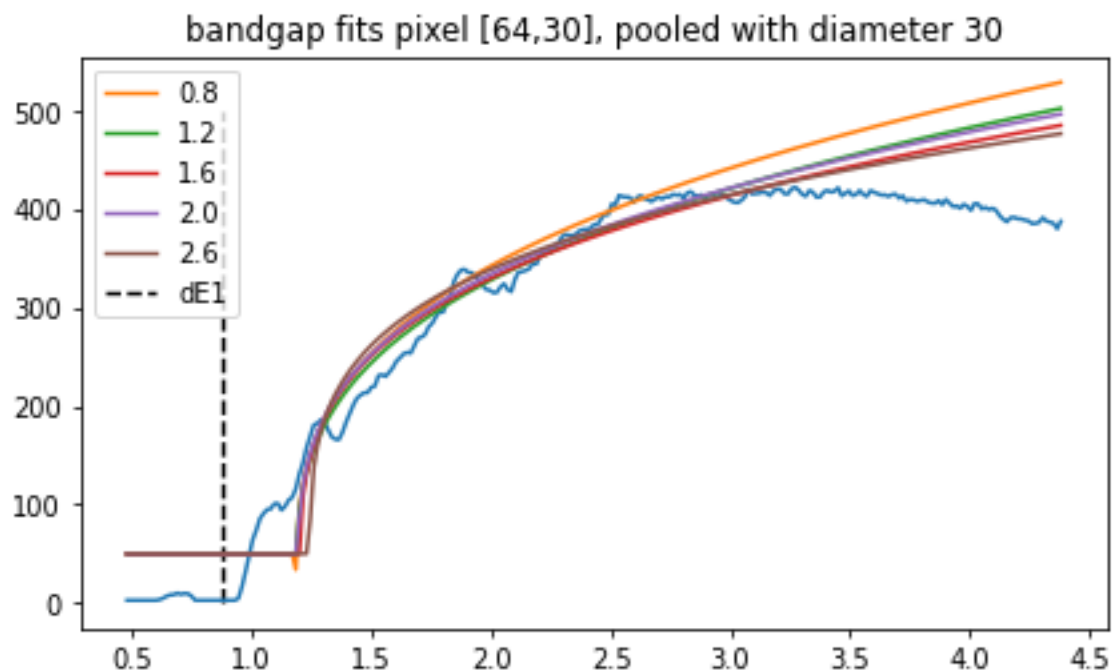
Pooled results, diameter pooling = 1 pixel



Pooled results, diameter pooling = 30 pixels



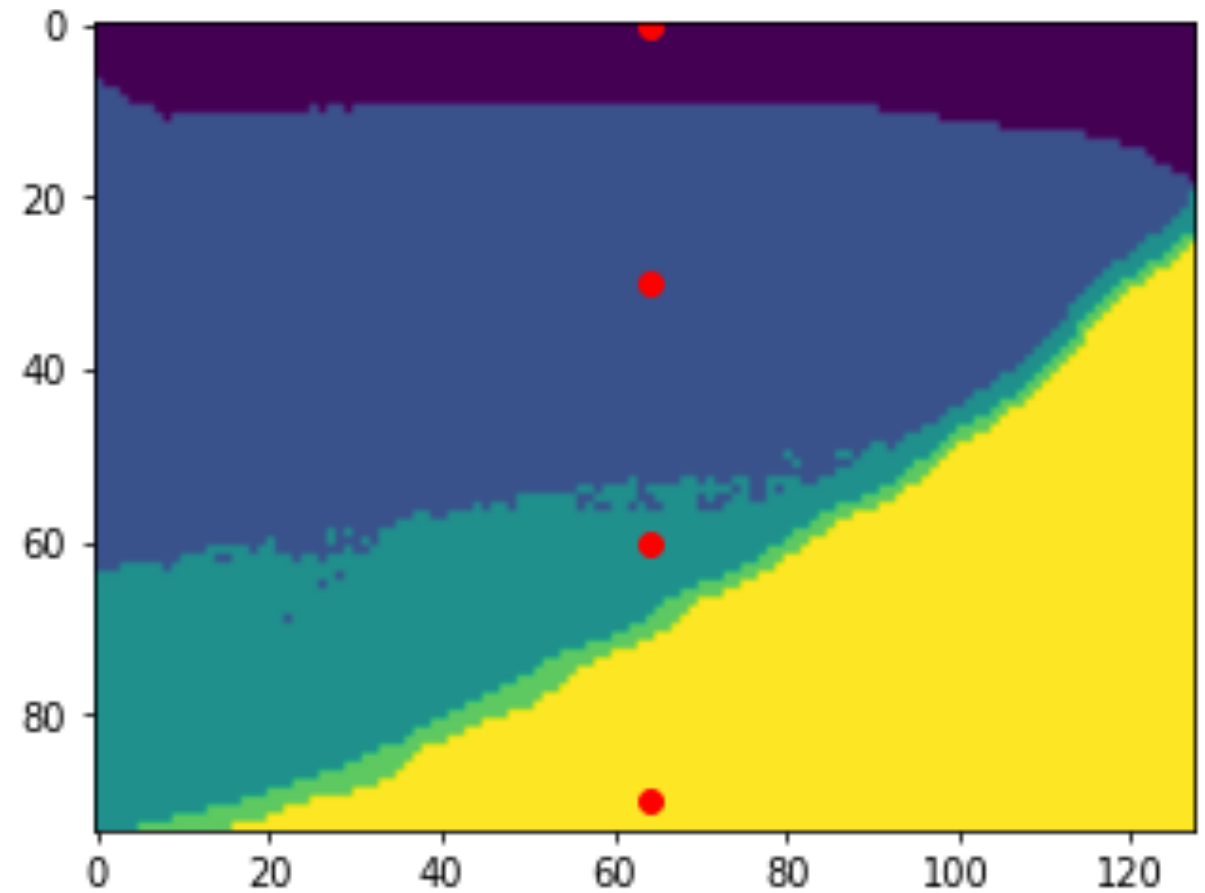
Pooled results, diameter pooling = 5 pixels



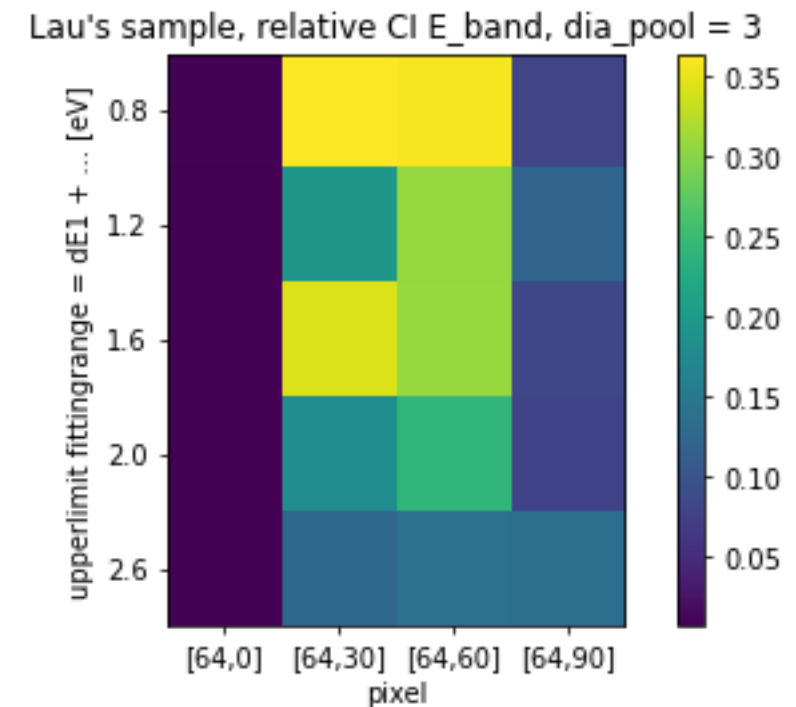
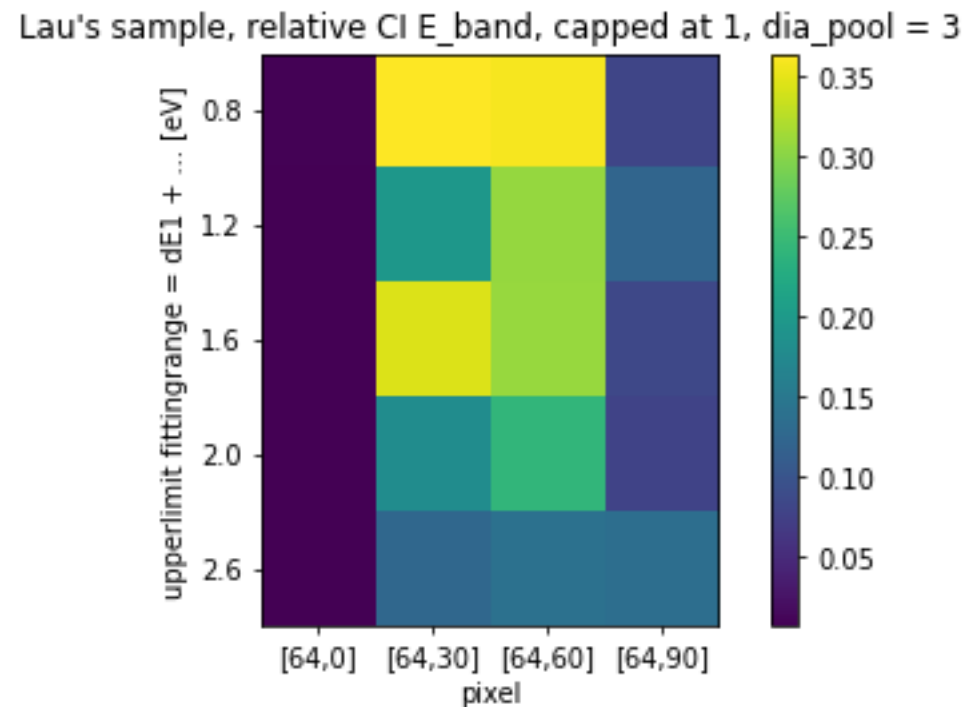
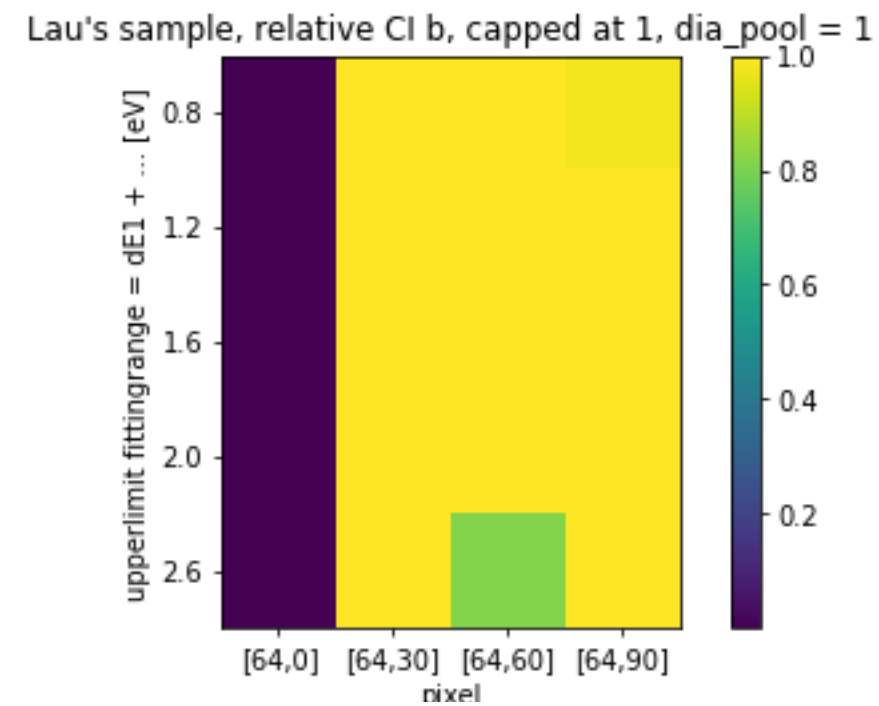
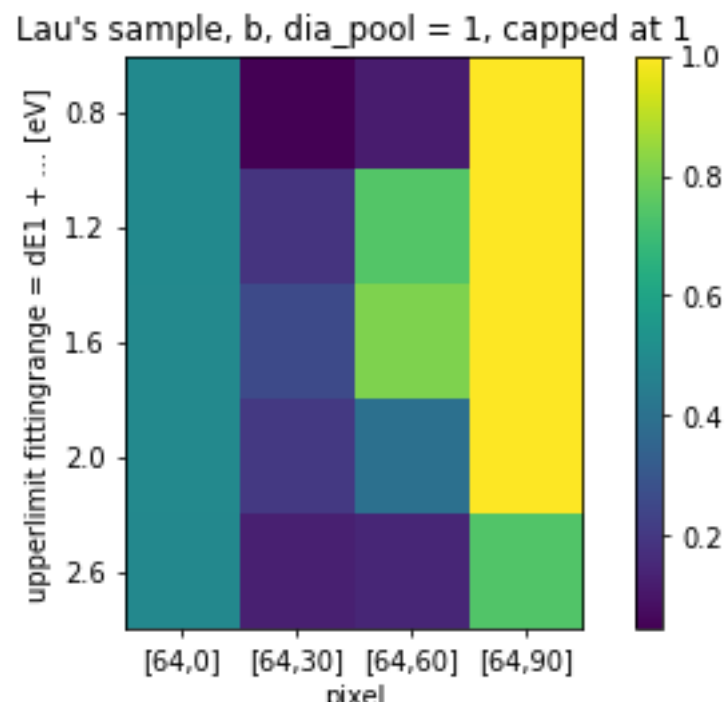
Results Lau

- Pixels we'll look at:

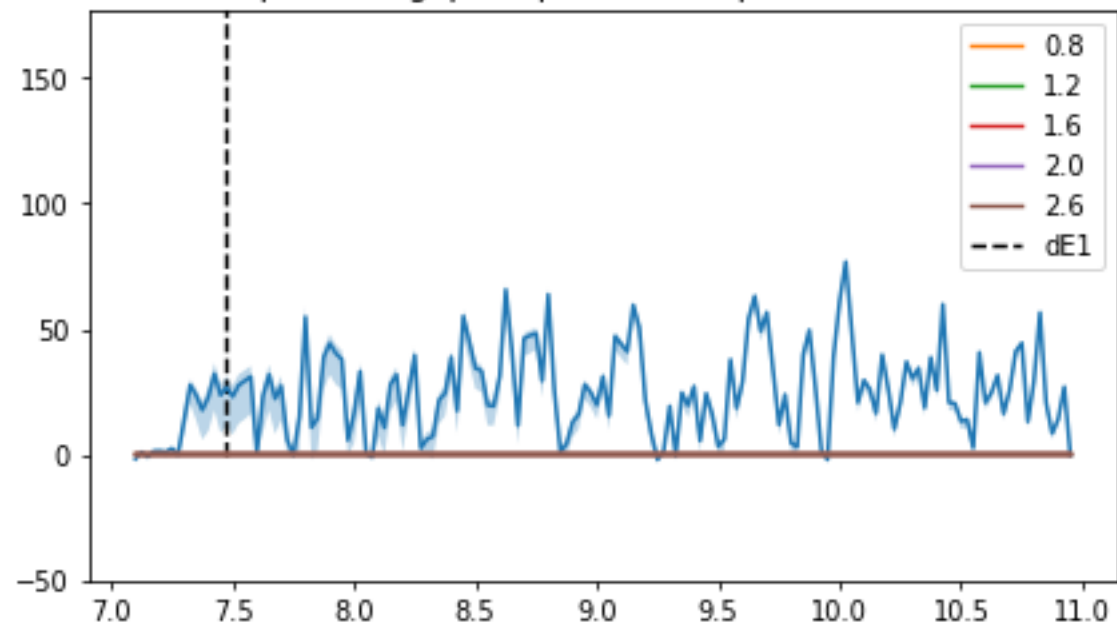
Clustered image Lau's sample



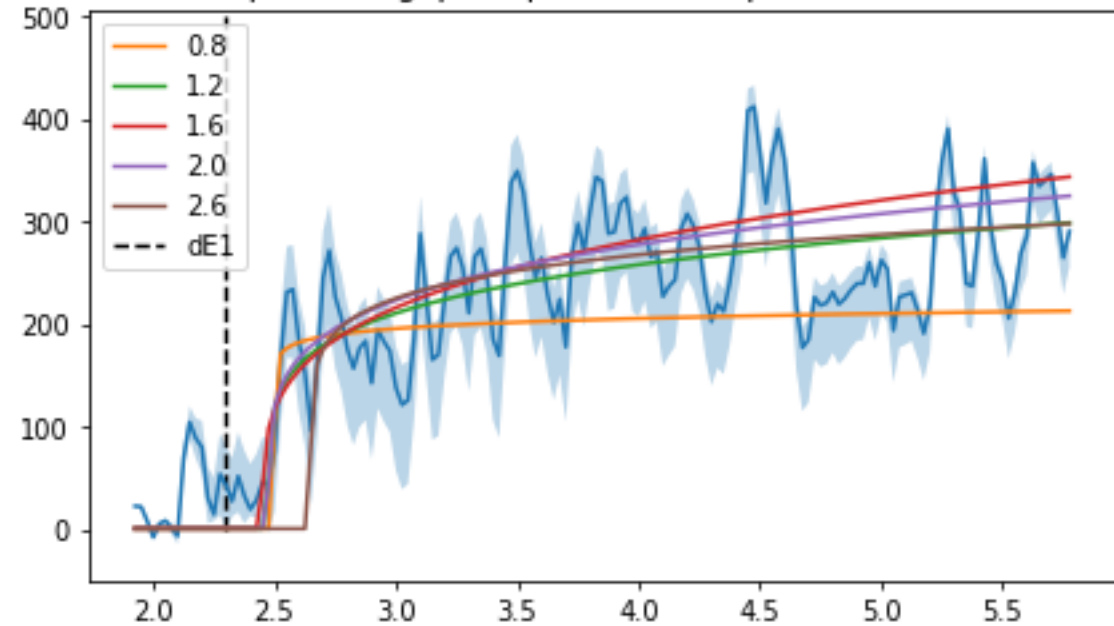
Pooled results Lau,
diameter pooling
= 1 pixels



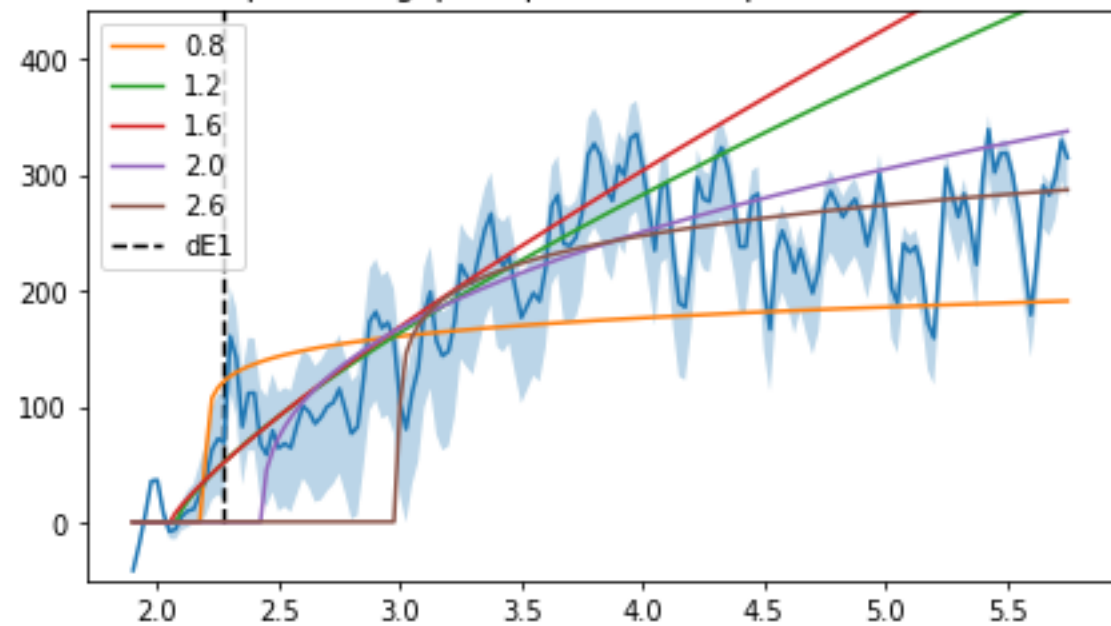
Lau's sample, bandgap fits pixel [64,0], pooled with diameter 1



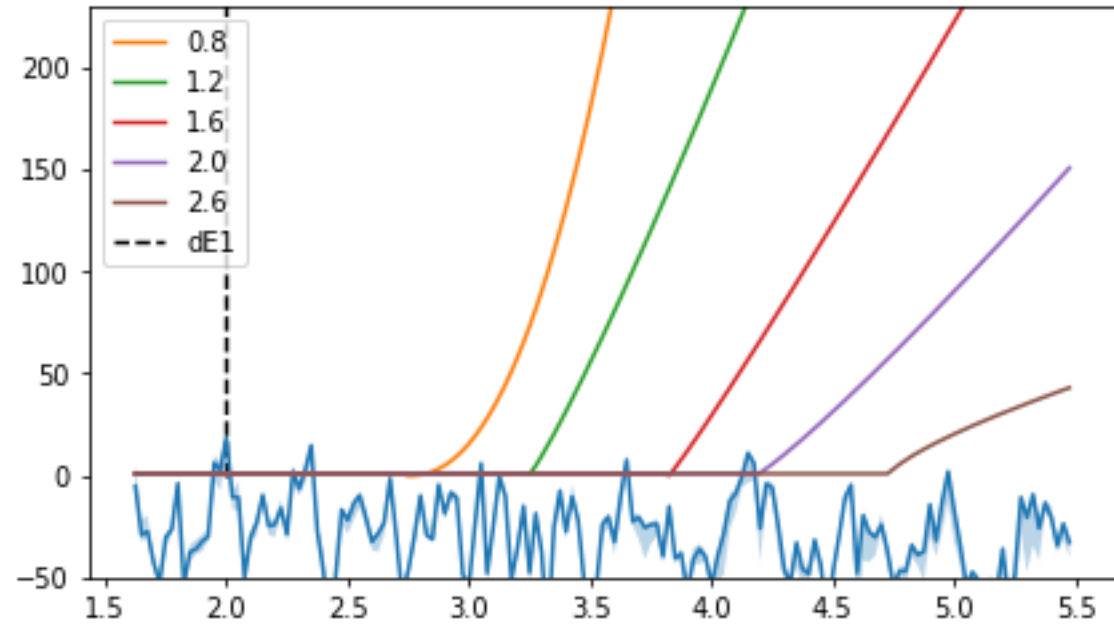
Lau's sample, bandgap fits pixel [64,30], pooled with diameter 1



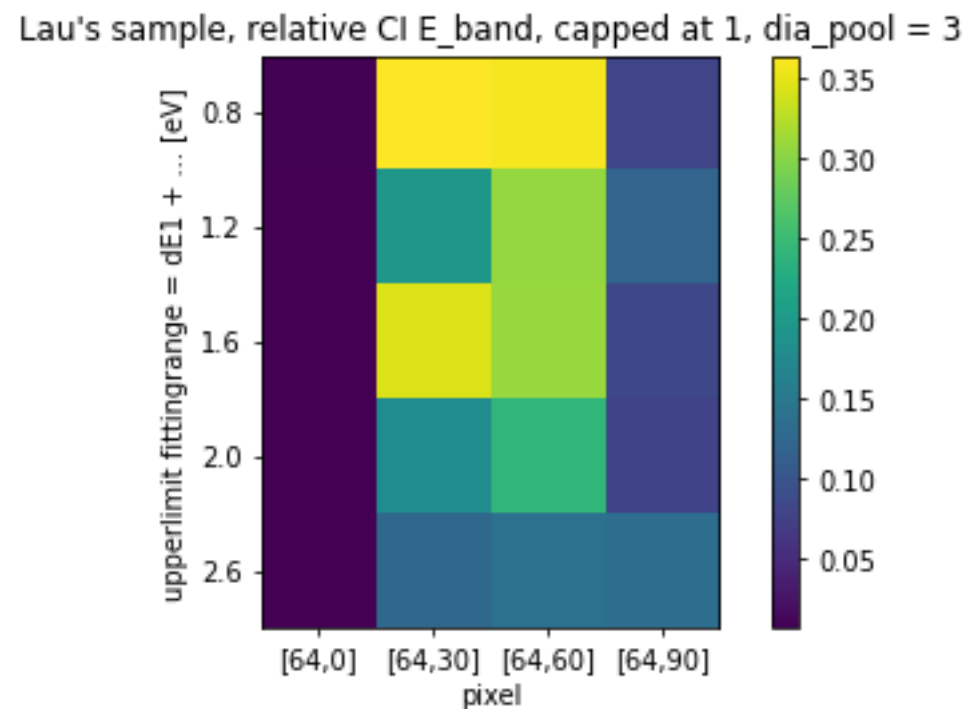
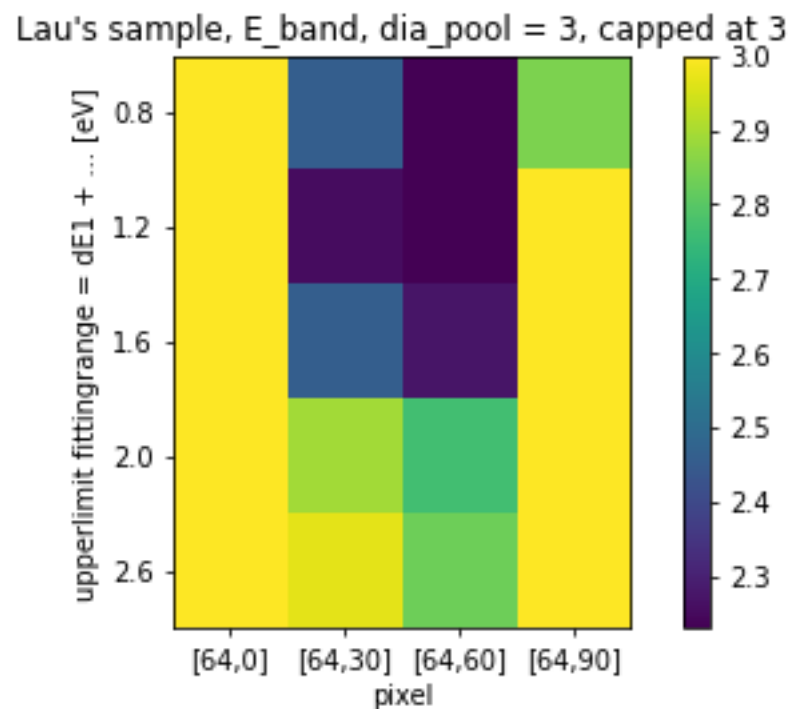
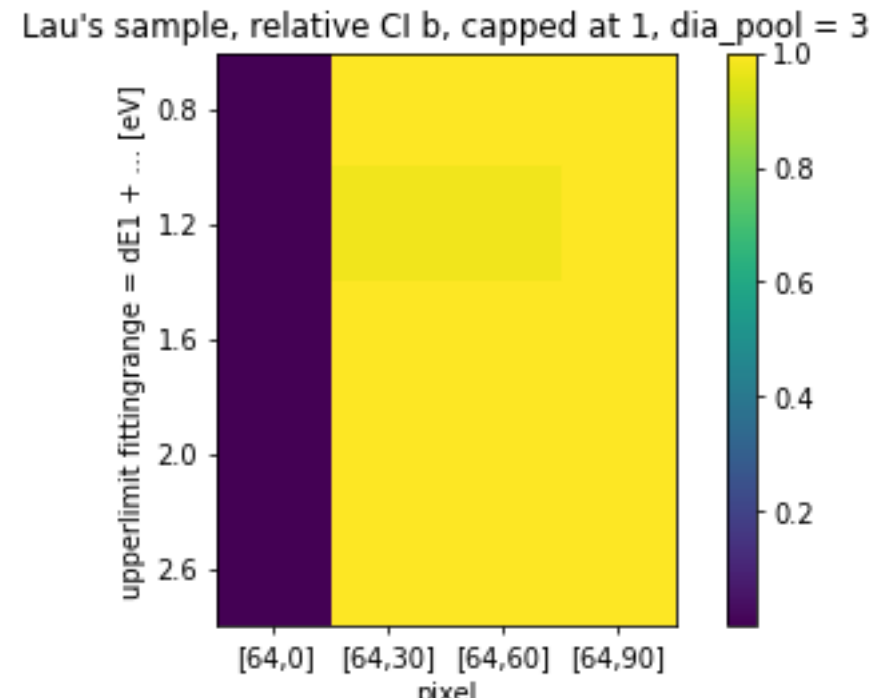
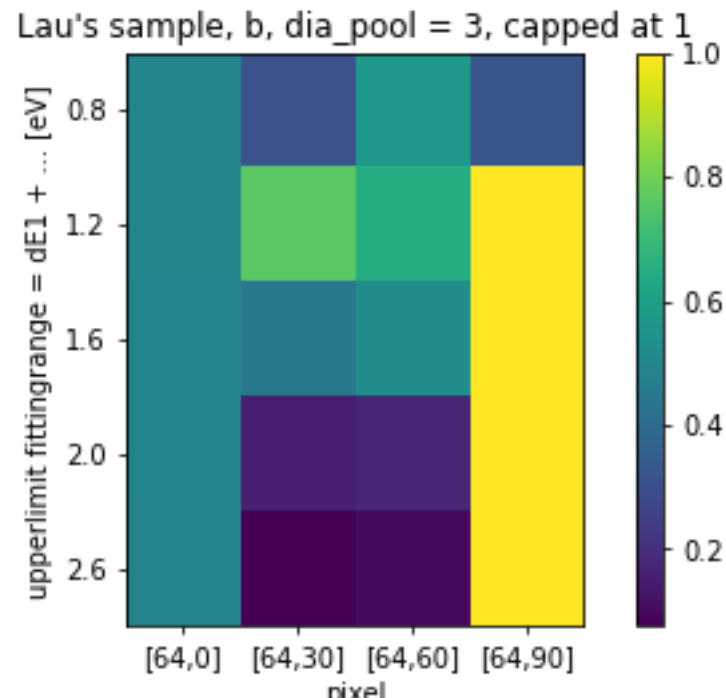
Lau's sample, bandgap fits pixel [64,60], pooled with diameter 1



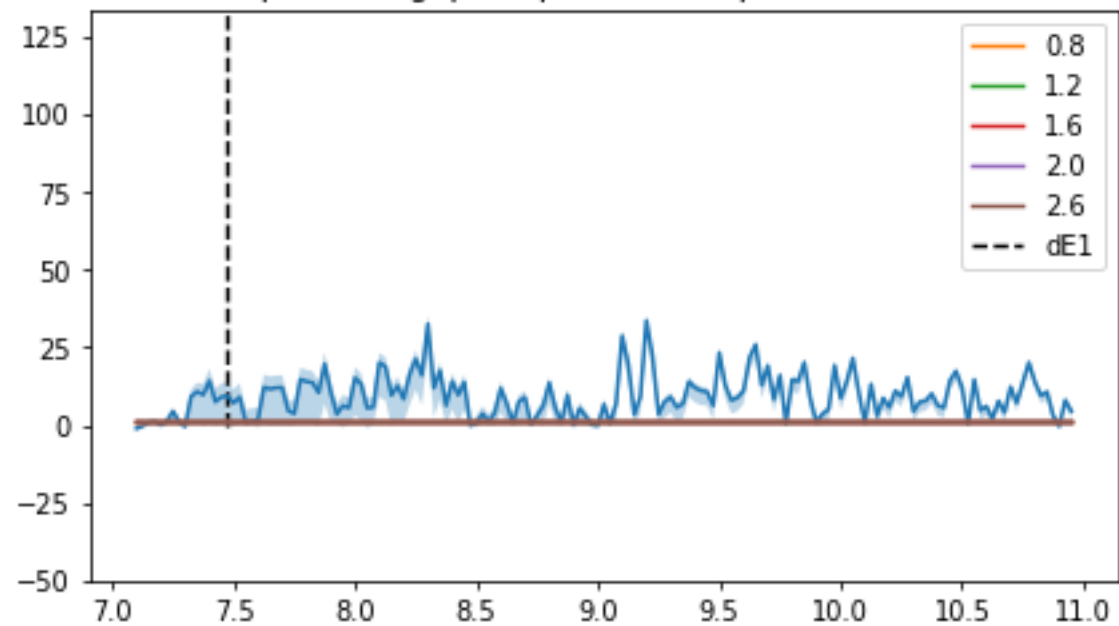
Lau's sample, bandgap fits pixel [64,90], pooled with diameter 1



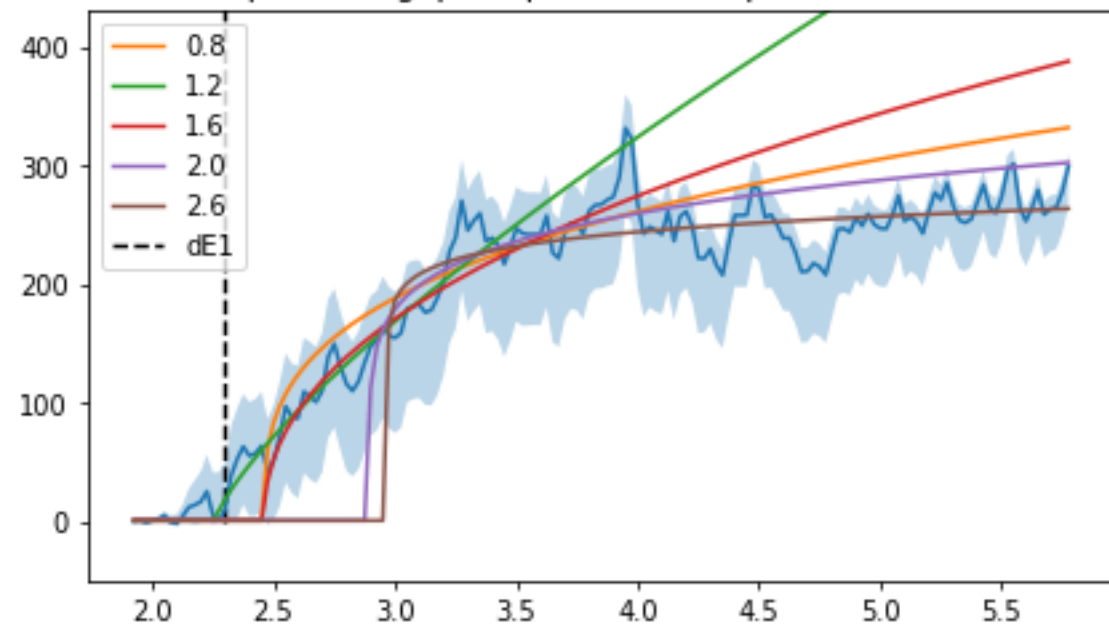
Pooled results Lau,
diameter pooling
= 3 pixels



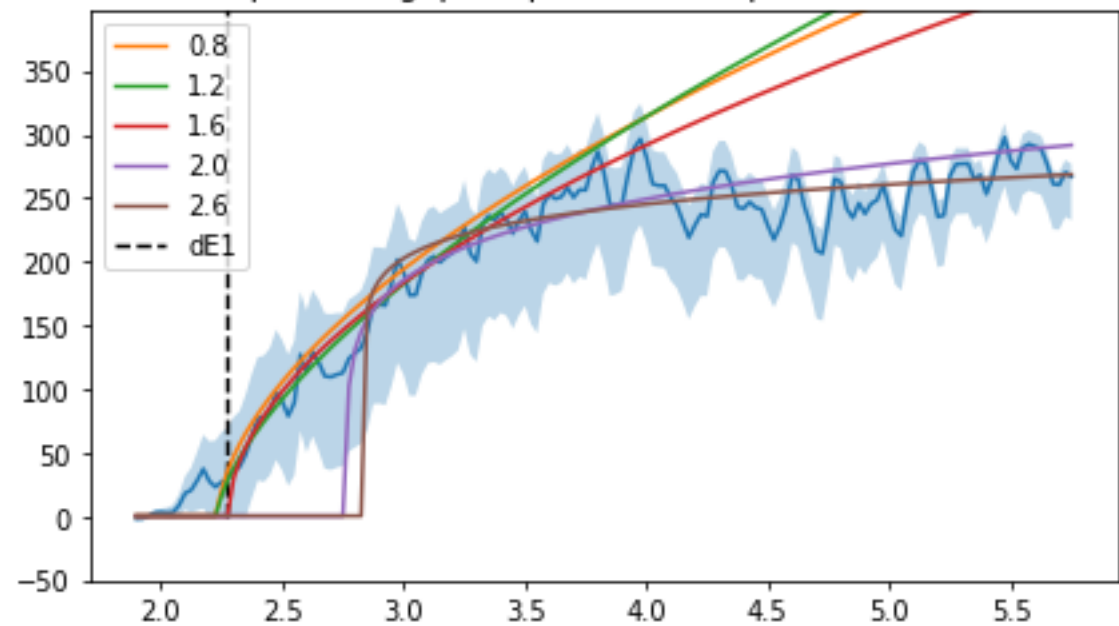
Lau's sample, bandgap fits pixel [64,3], pooled with diameter 3



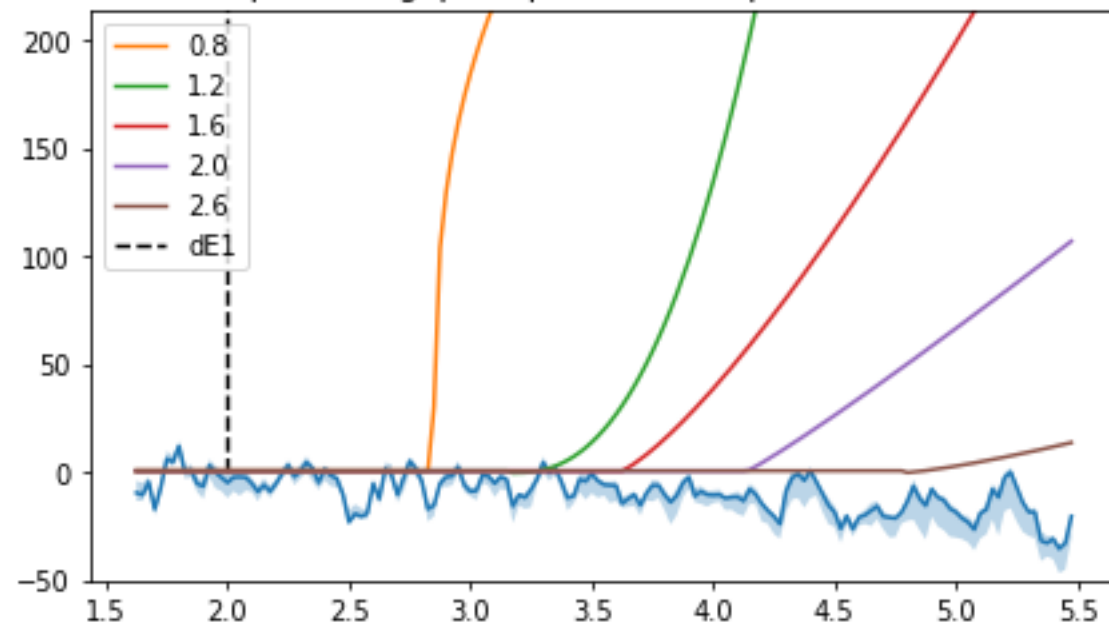
Lau's sample, bandgap fits pixel [64,30], pooled with diameter 3



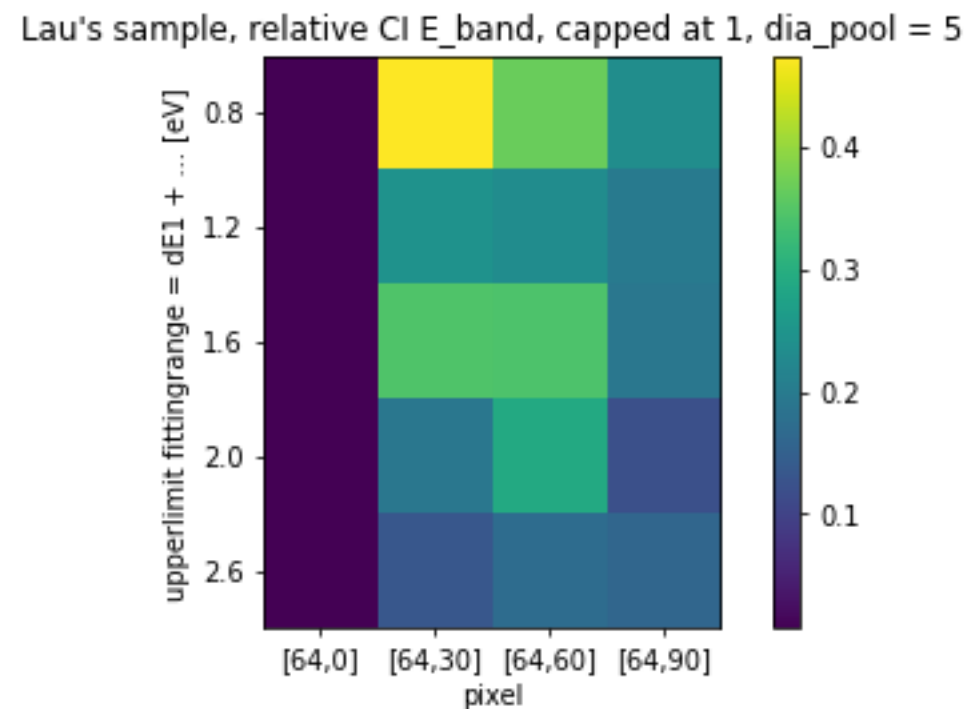
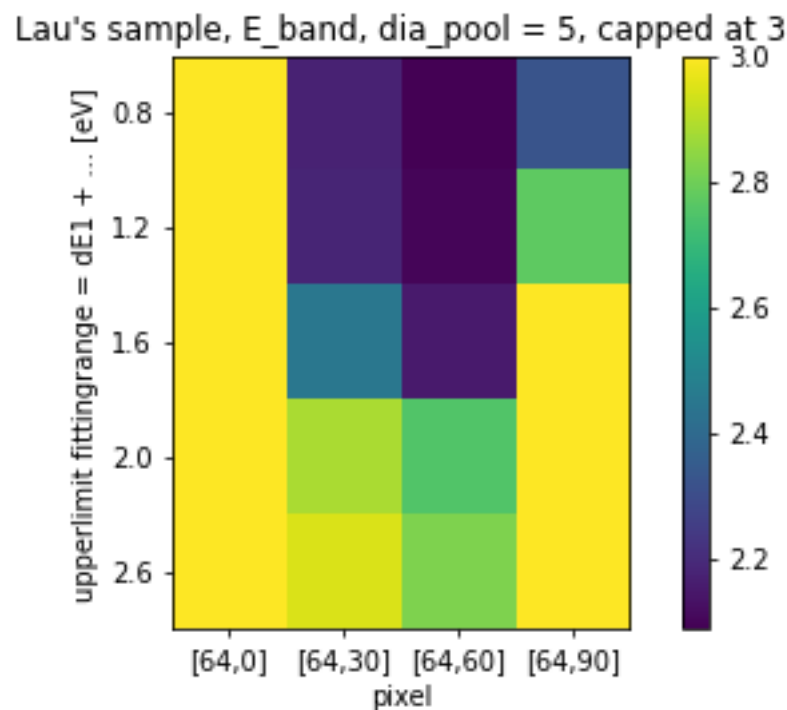
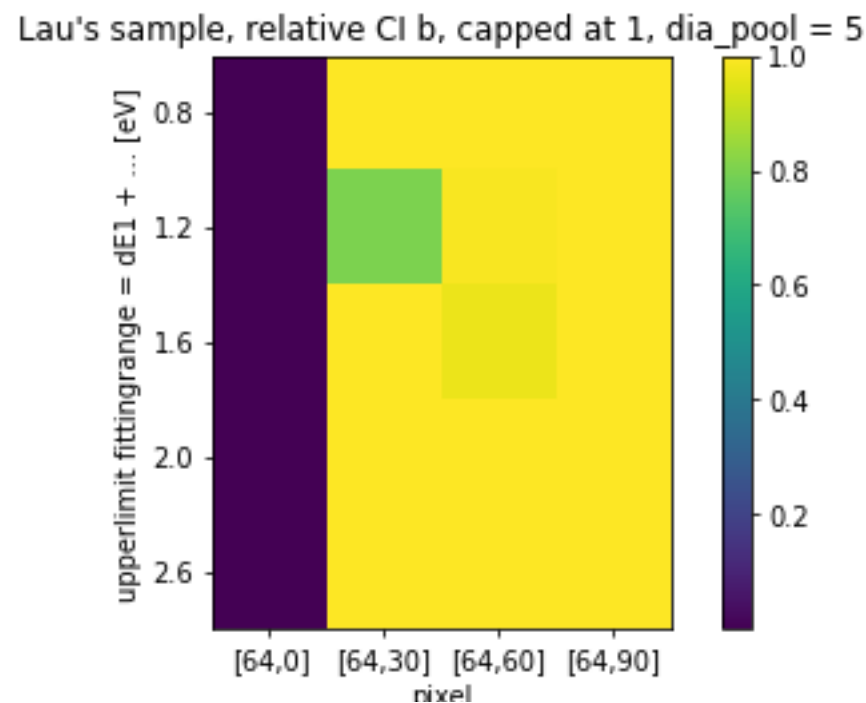
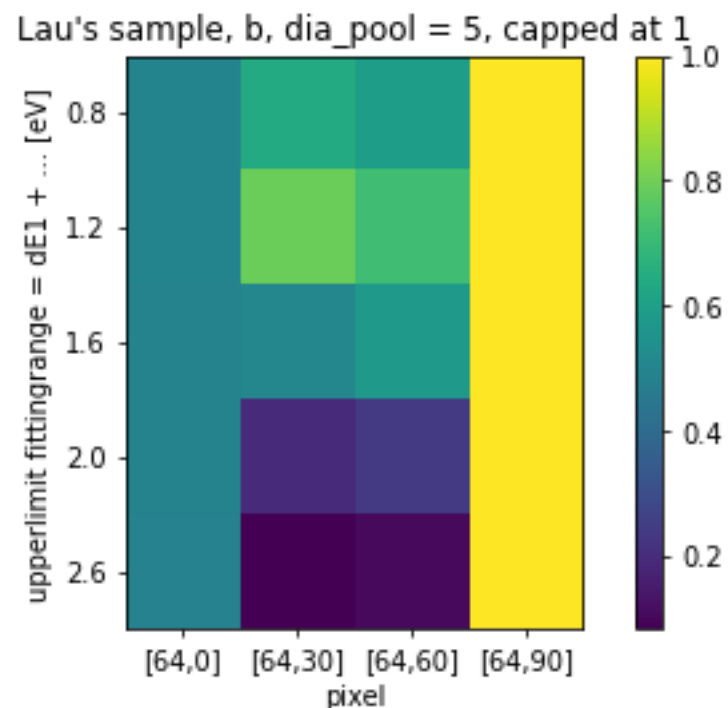
Lau's sample, bandgap fits pixel [64,60], pooled with diameter 3



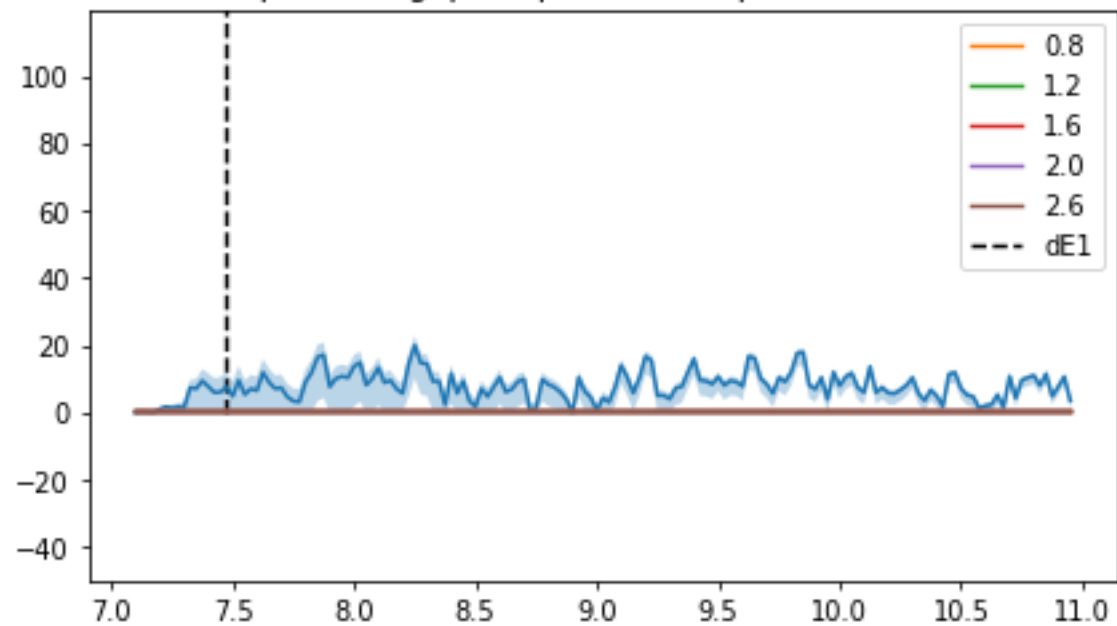
Lau's sample, bandgap fits pixel [64,90], pooled with diameter 3



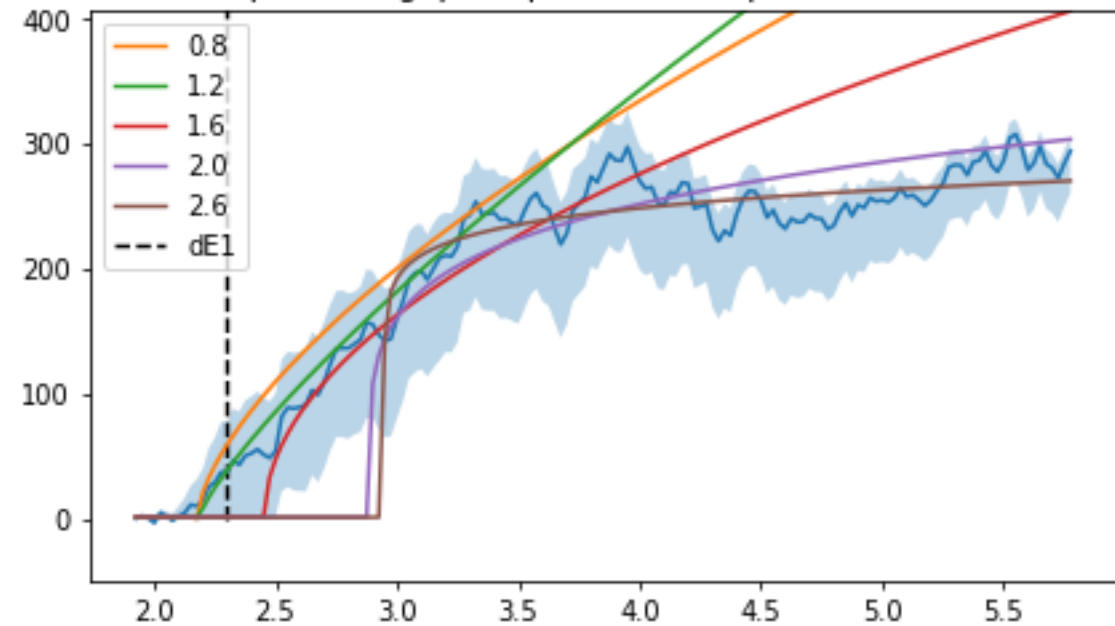
Pooled results Lau,
diameter pooling
= 5 pixels



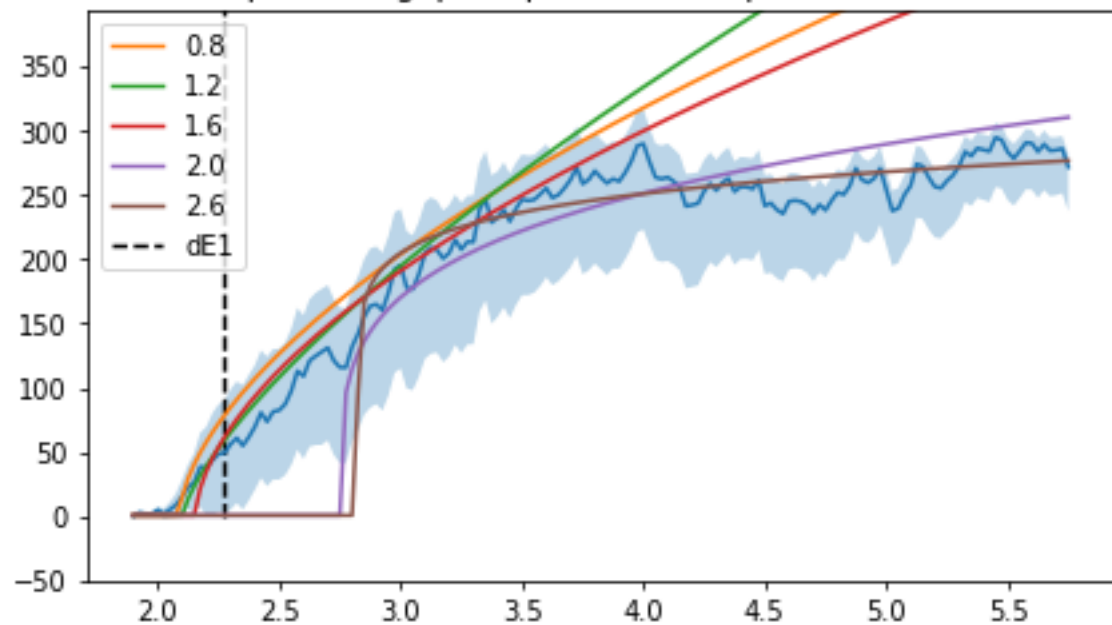
Lau's sample, bandgap fits pixel [64,3], pooled with diameter 5



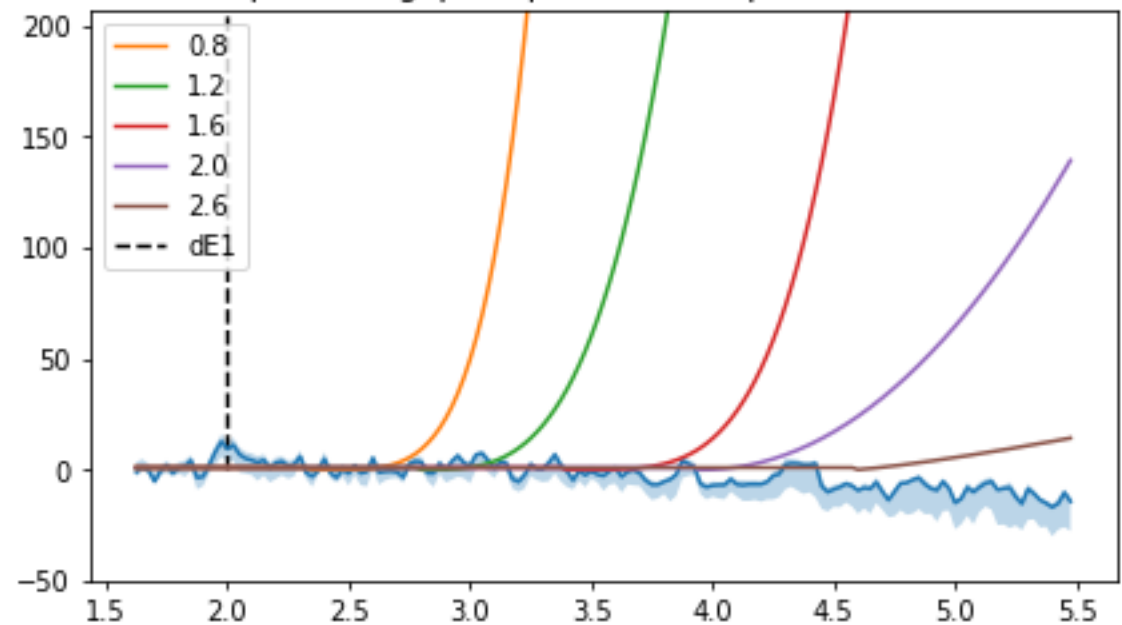
Lau's sample, bandgap fits pixel [64,30], pooled with diameter 5



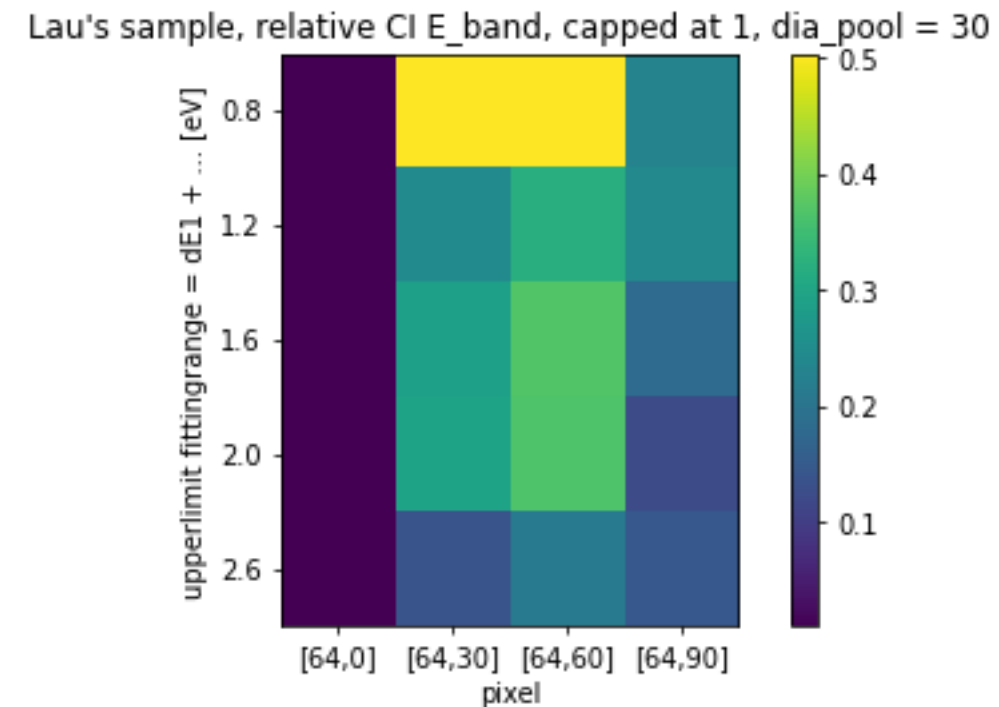
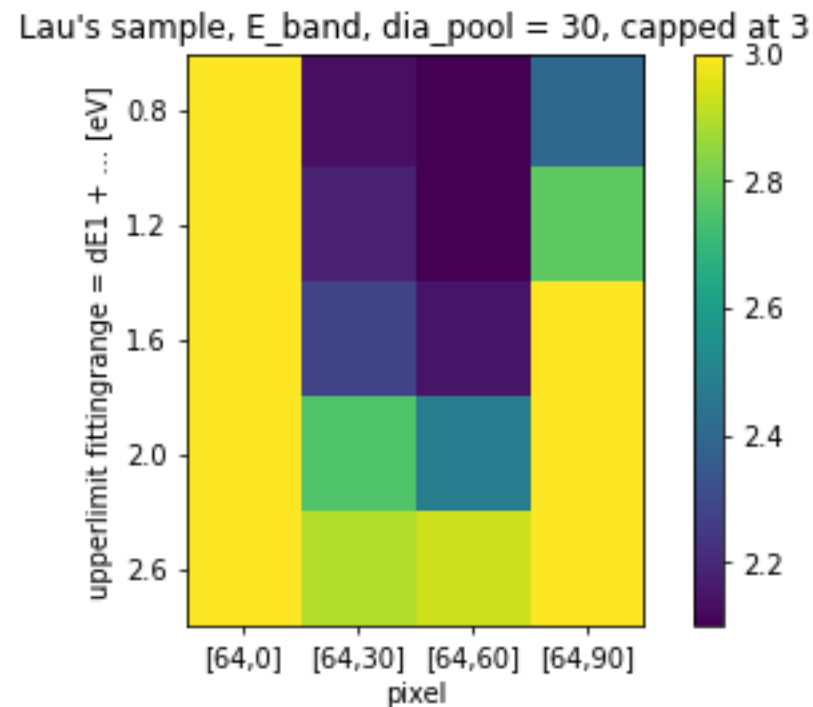
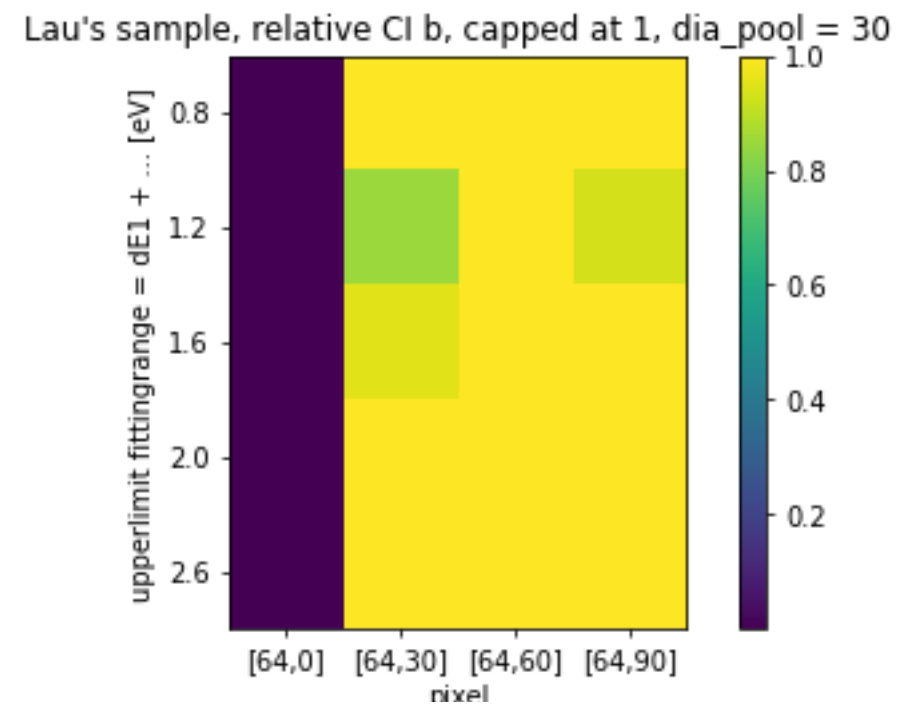
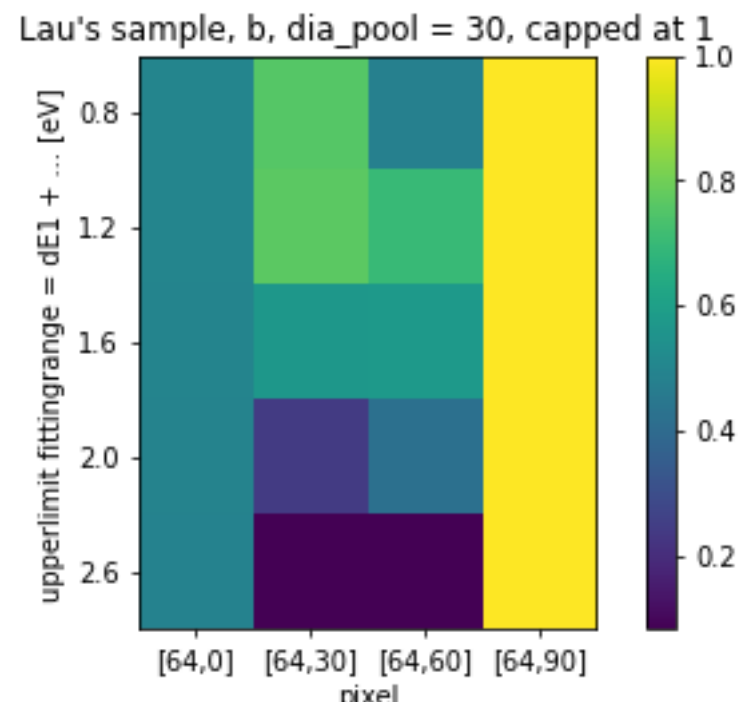
Lau's sample, bandgap fits pixel [64,60], pooled with diameter 5



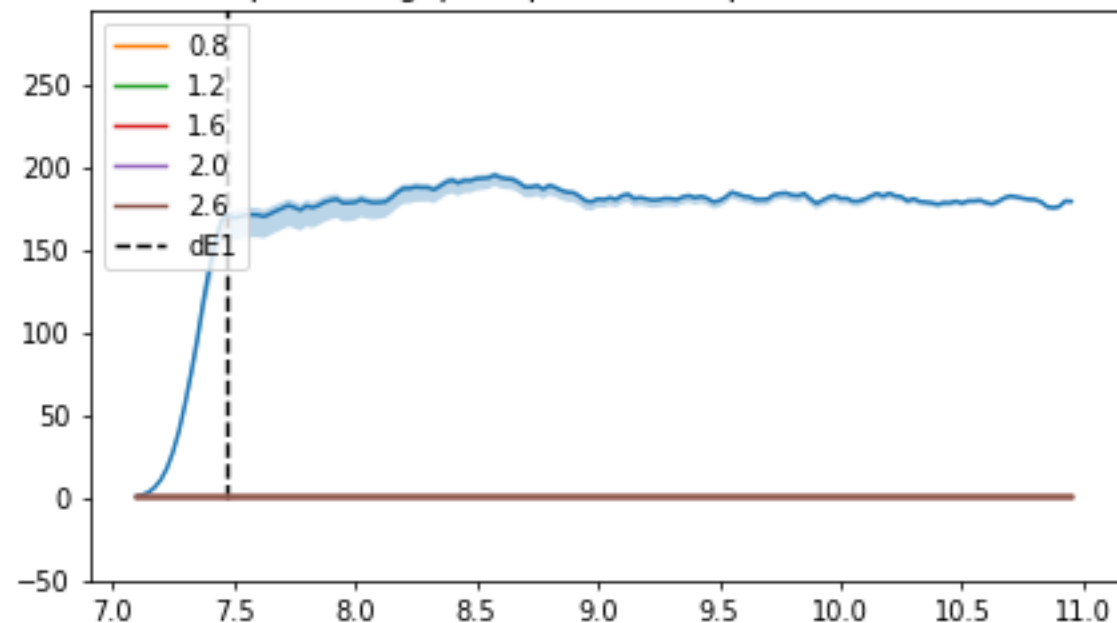
Lau's sample, bandgap fits pixel [64,90], pooled with diameter 5



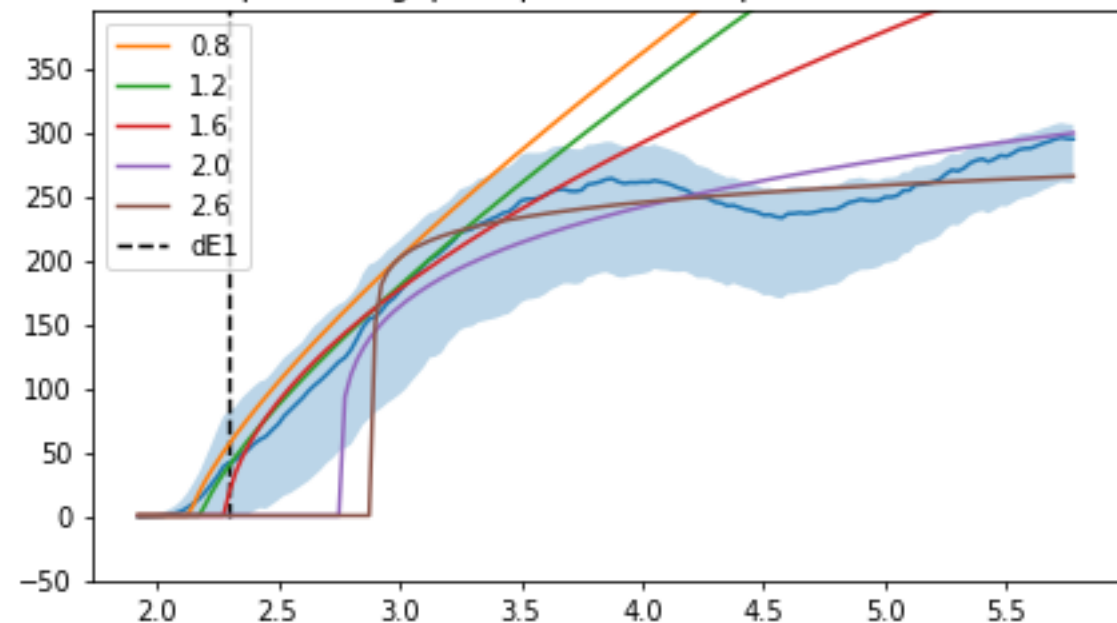
Pooled results Lau,
diameter pooling
= 30 pixels



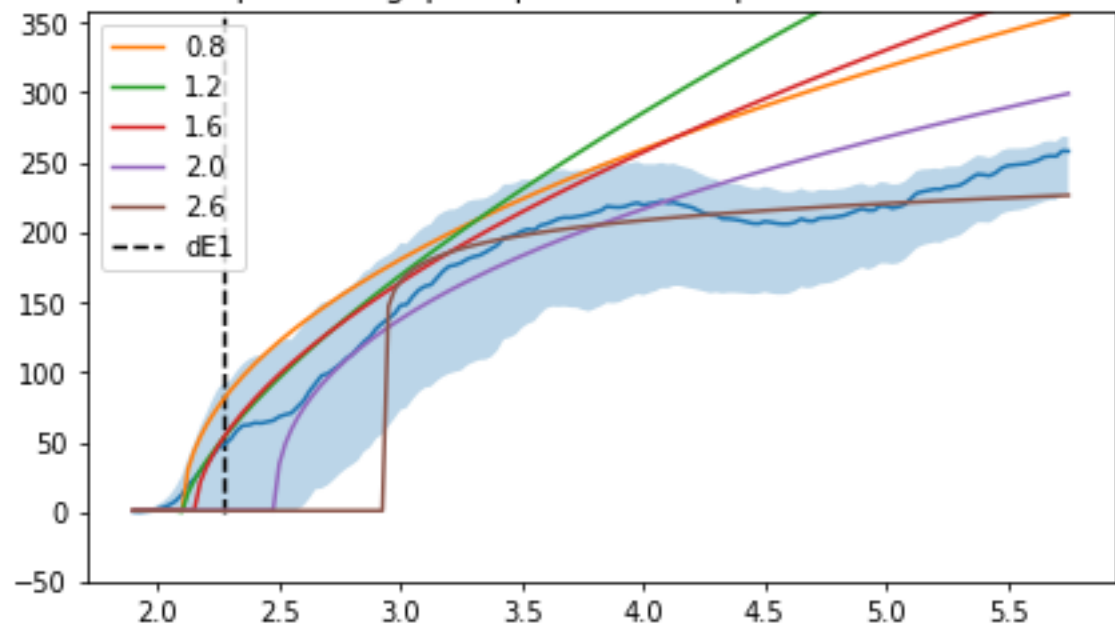
Lau's sample, bandgap fits pixel [64,3], pooled with diameter 30



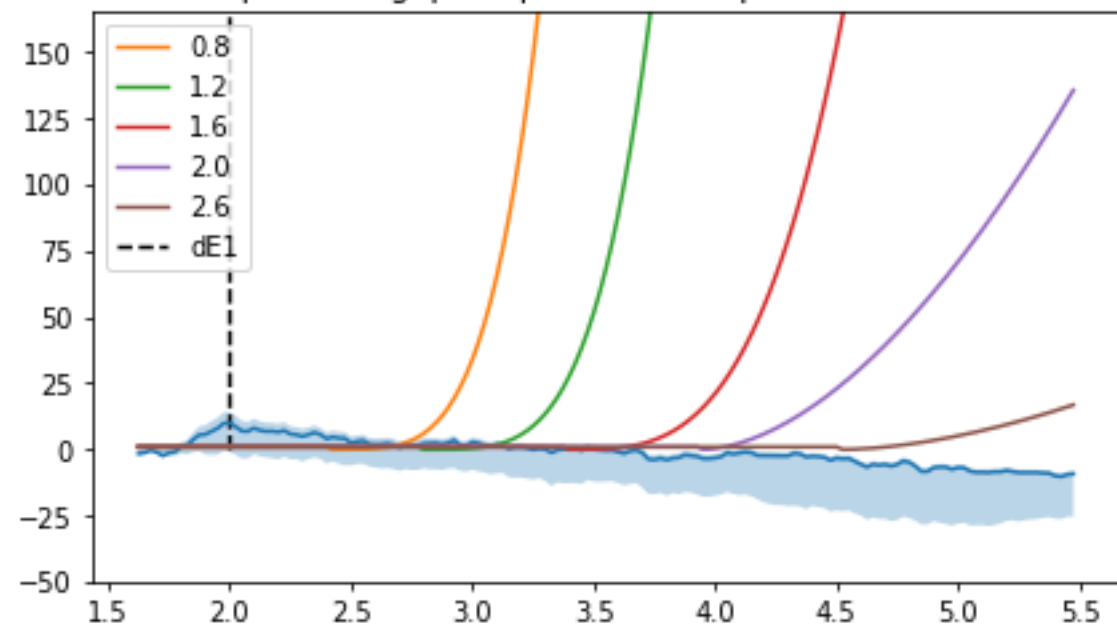
Lau's sample, bandgap fits pixel [64,30], pooled with diameter 30

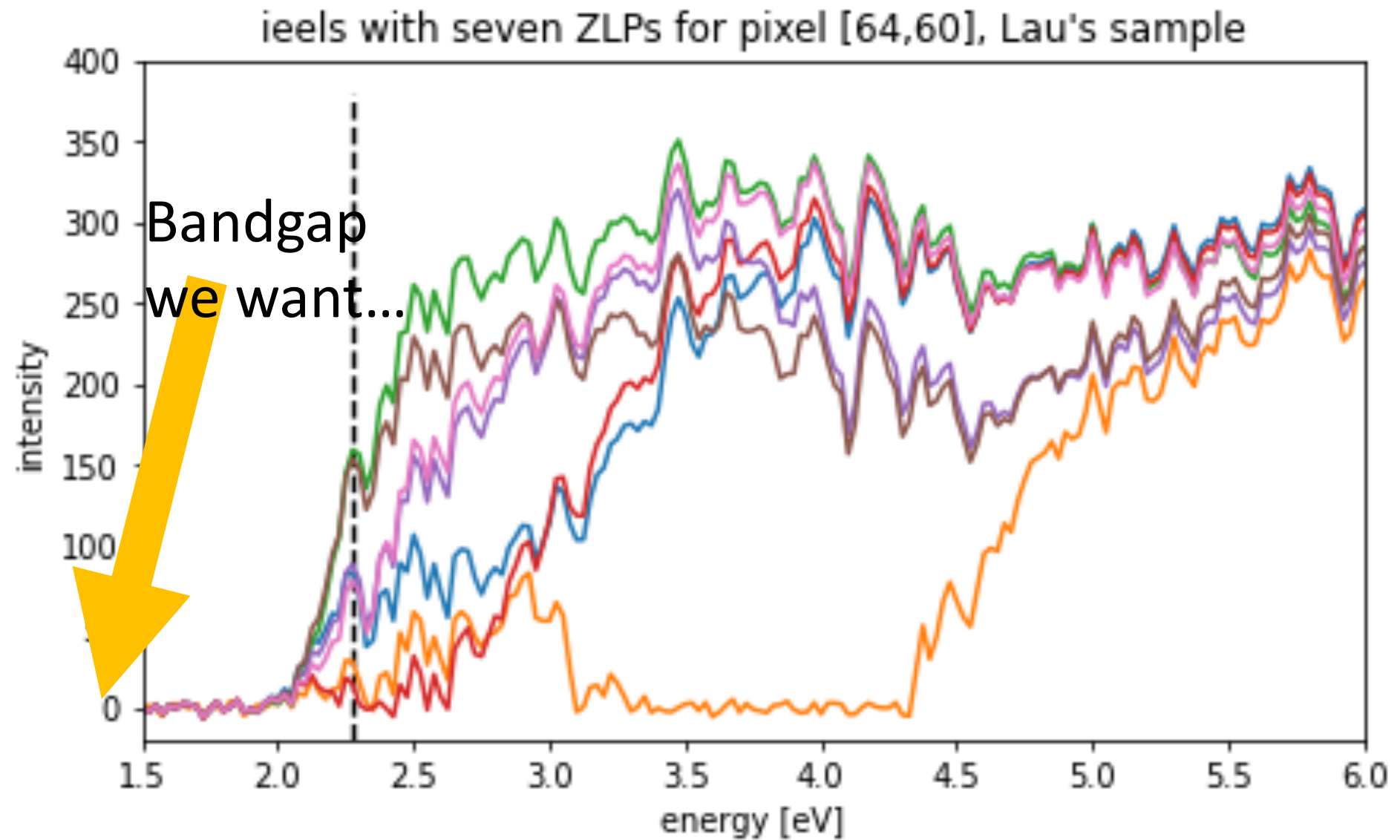


Lau's sample, bandgap fits pixel [64,60], pooled with diameter 30

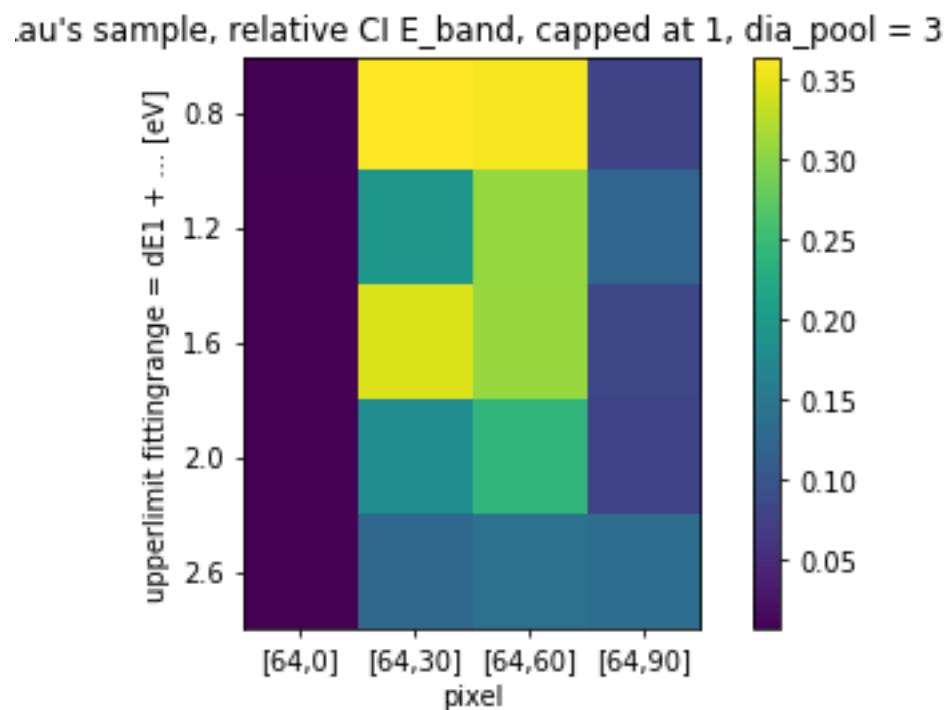
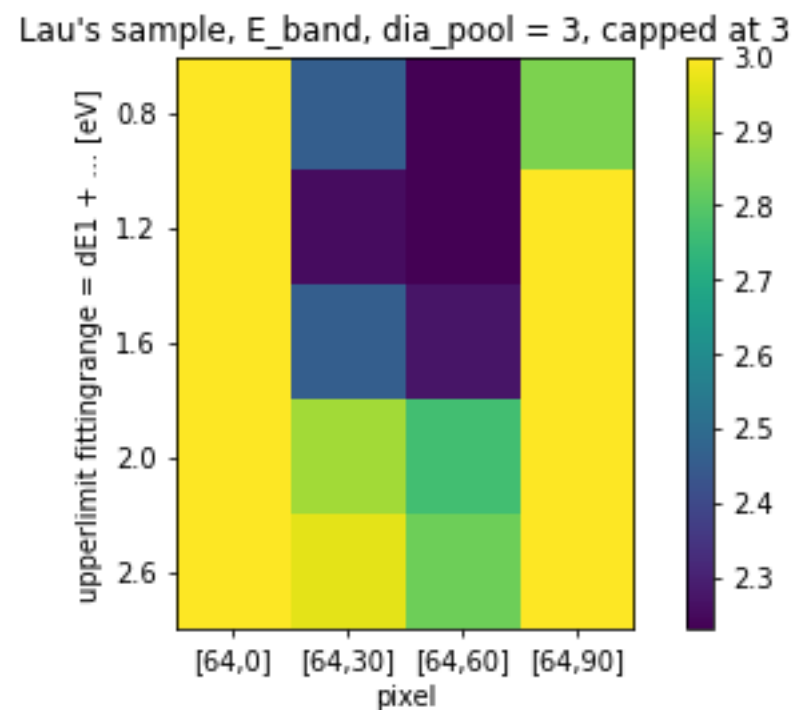
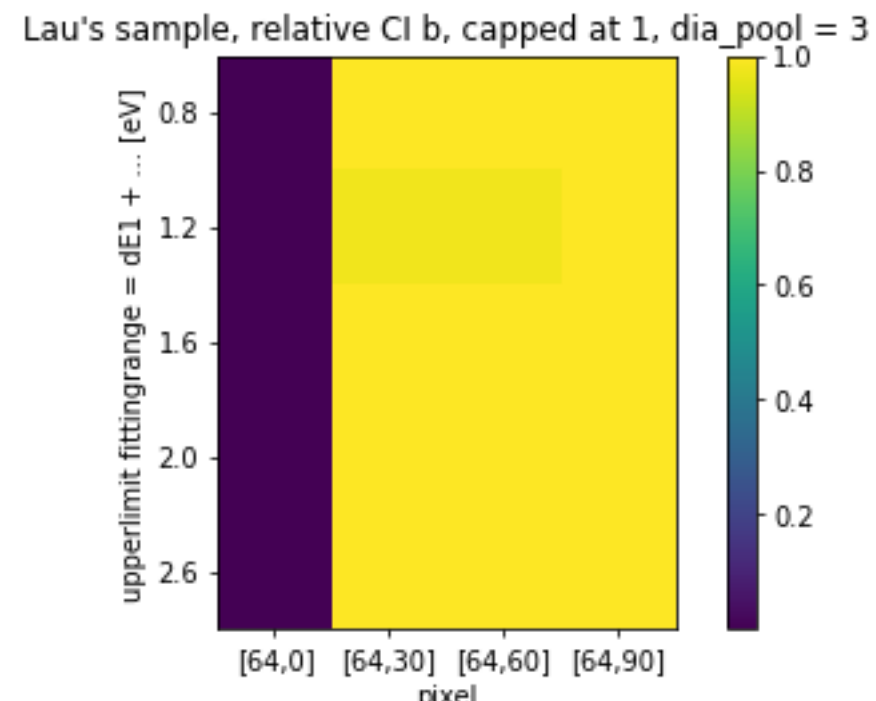
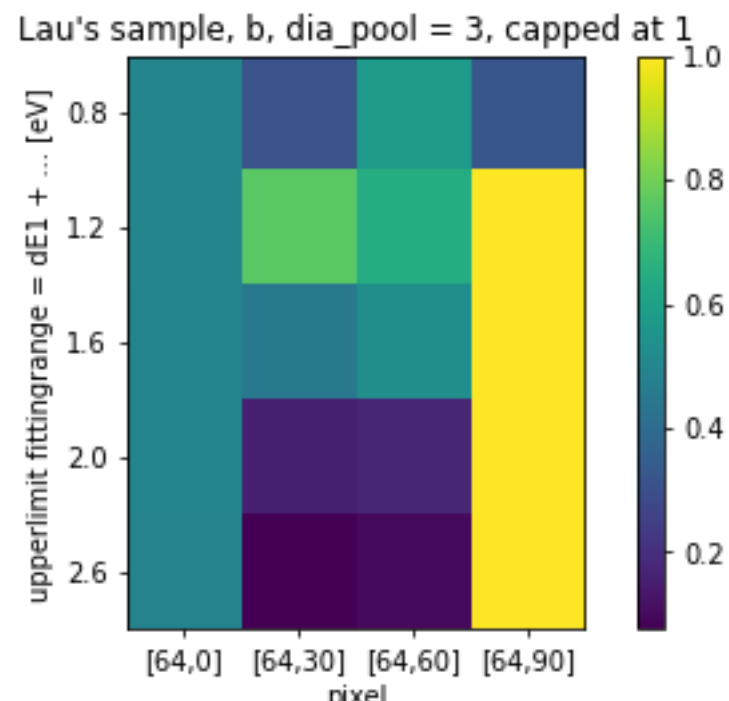


Lau's sample, bandgap fits pixel [64,90], pooled with diameter 30



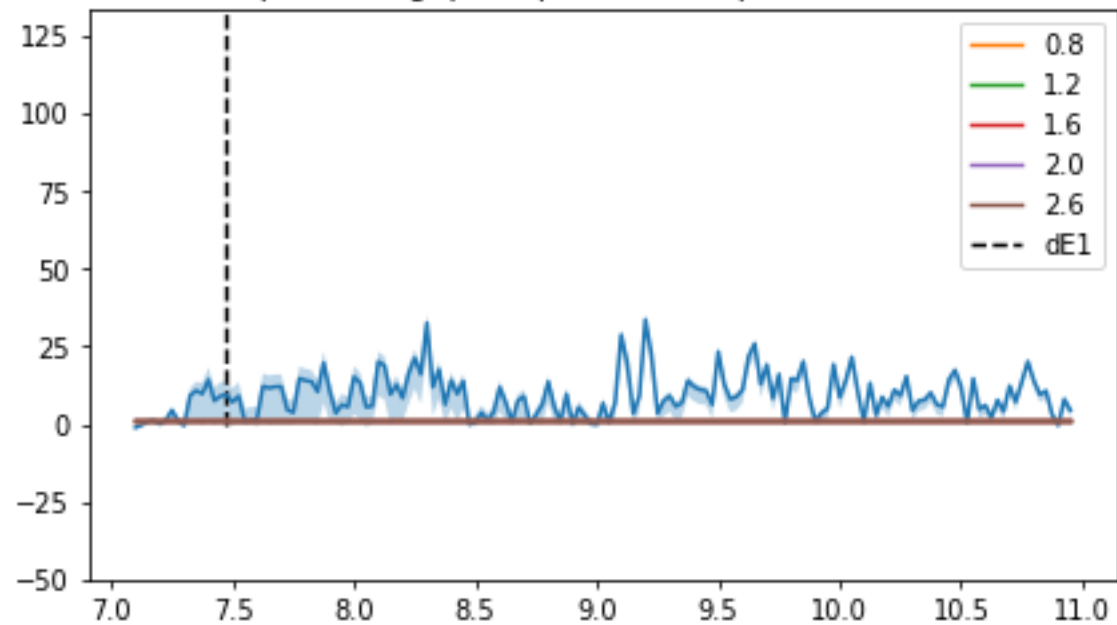


Results with $dE1=1.8^*$
(value that Lau
choose), pool
diameter = 3 pixels

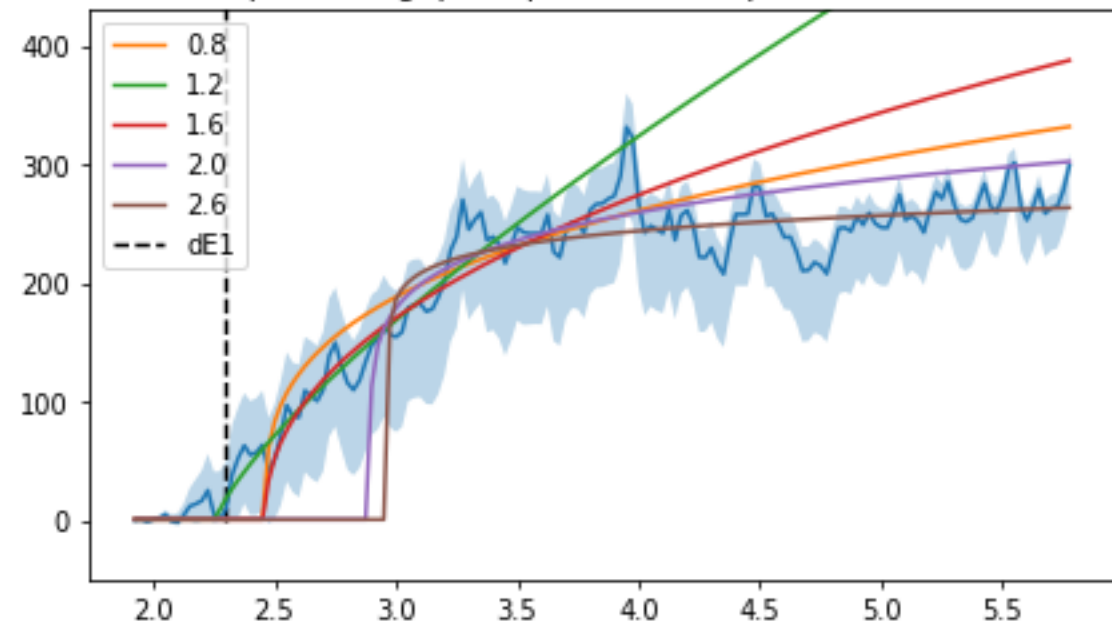


Note: not trained at 1.8,
but 1.8 as guideline of
fitting range

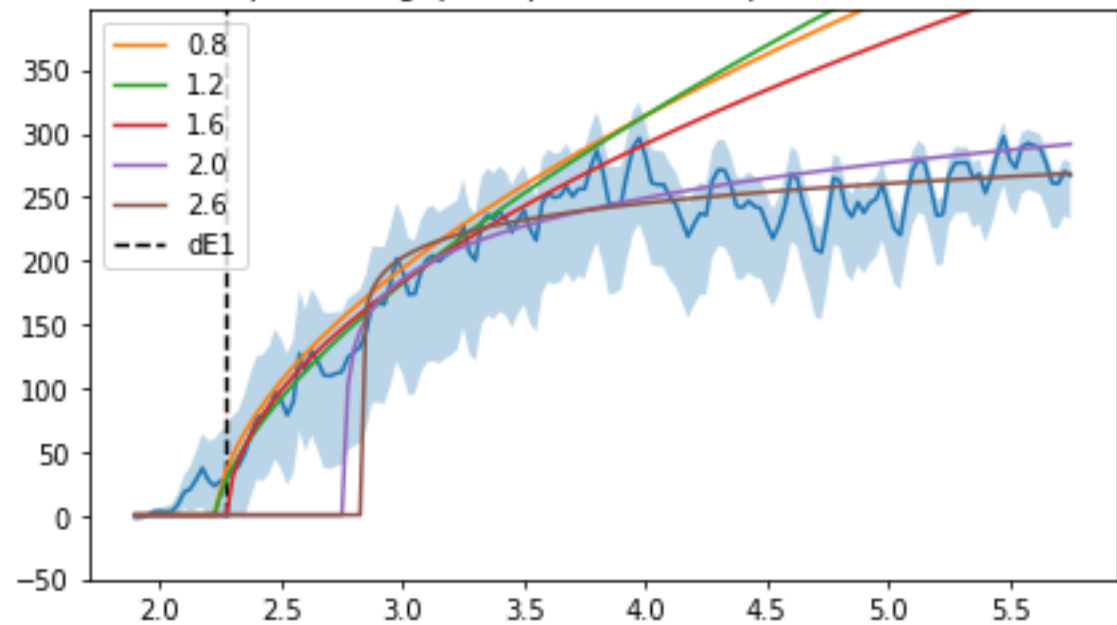
Lau's sample, bandgap fits pixel [64,3], pooled with diameter 3



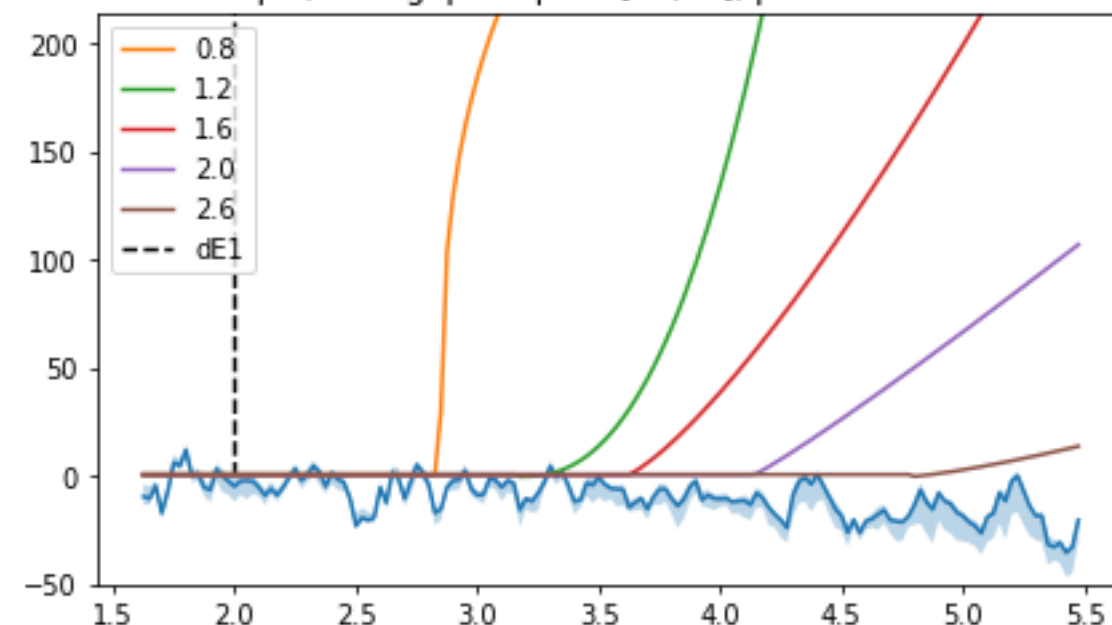
Lau's sample, bandgap fits pixel [64,30], pooled with diameter 3



Lau's sample, bandgap fits pixel [64,60], pooled with diameter 3



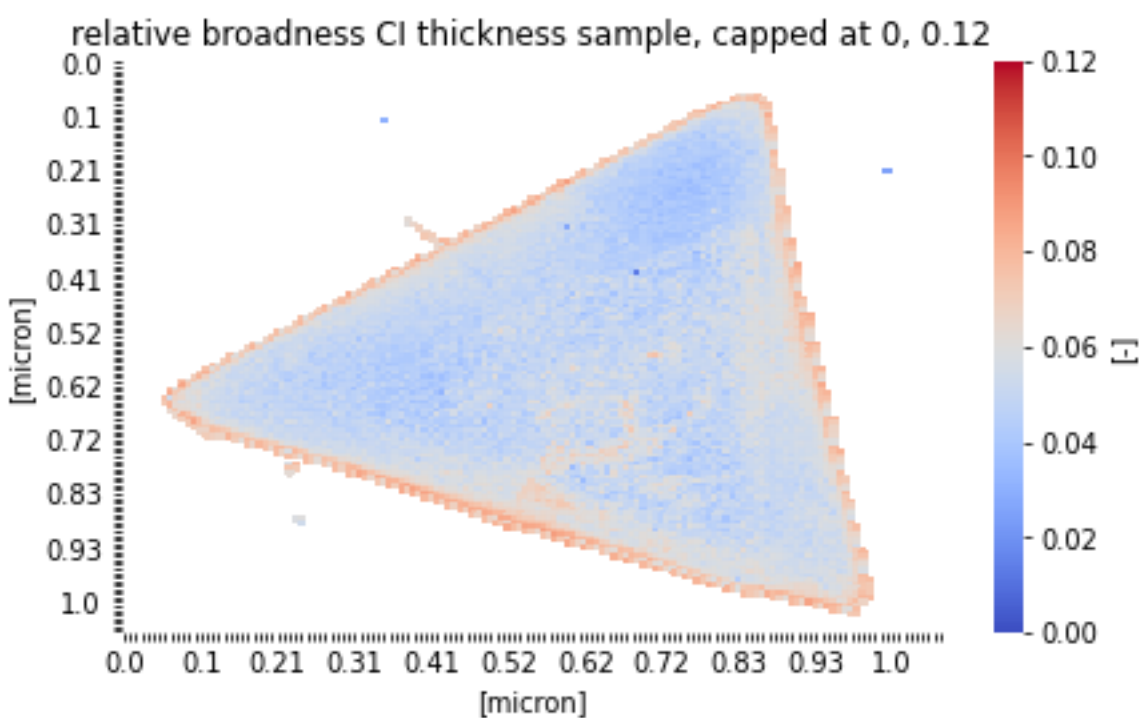
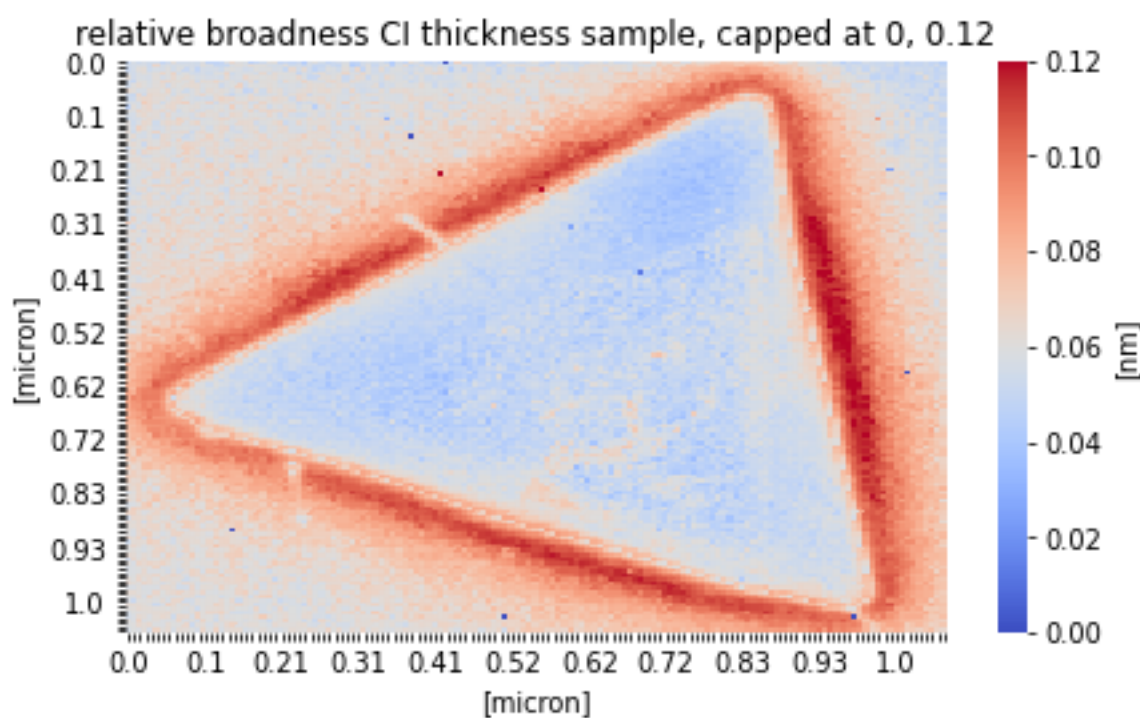
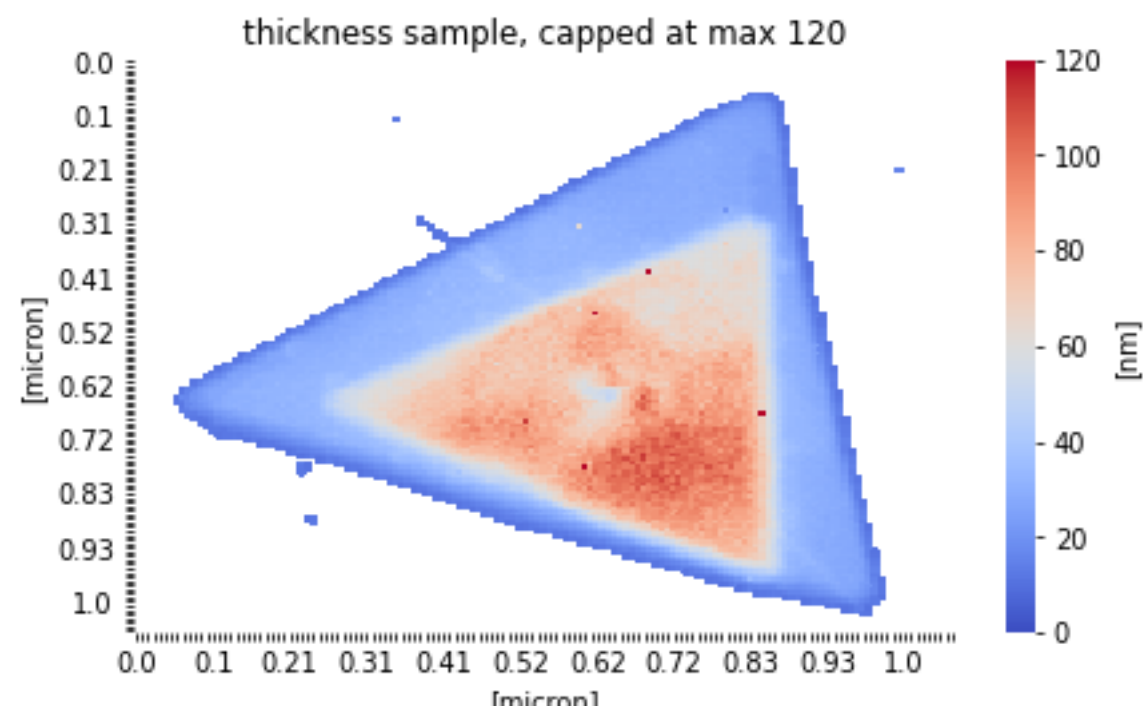
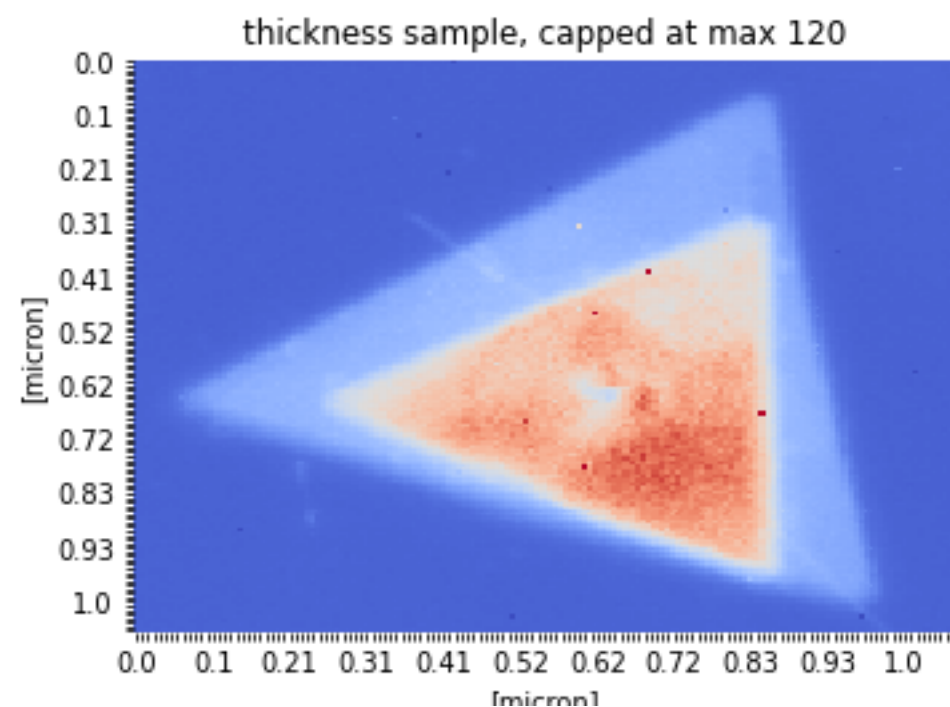
Lau's sample, bandgap fits pixel [64,90], pooled with diameter 3



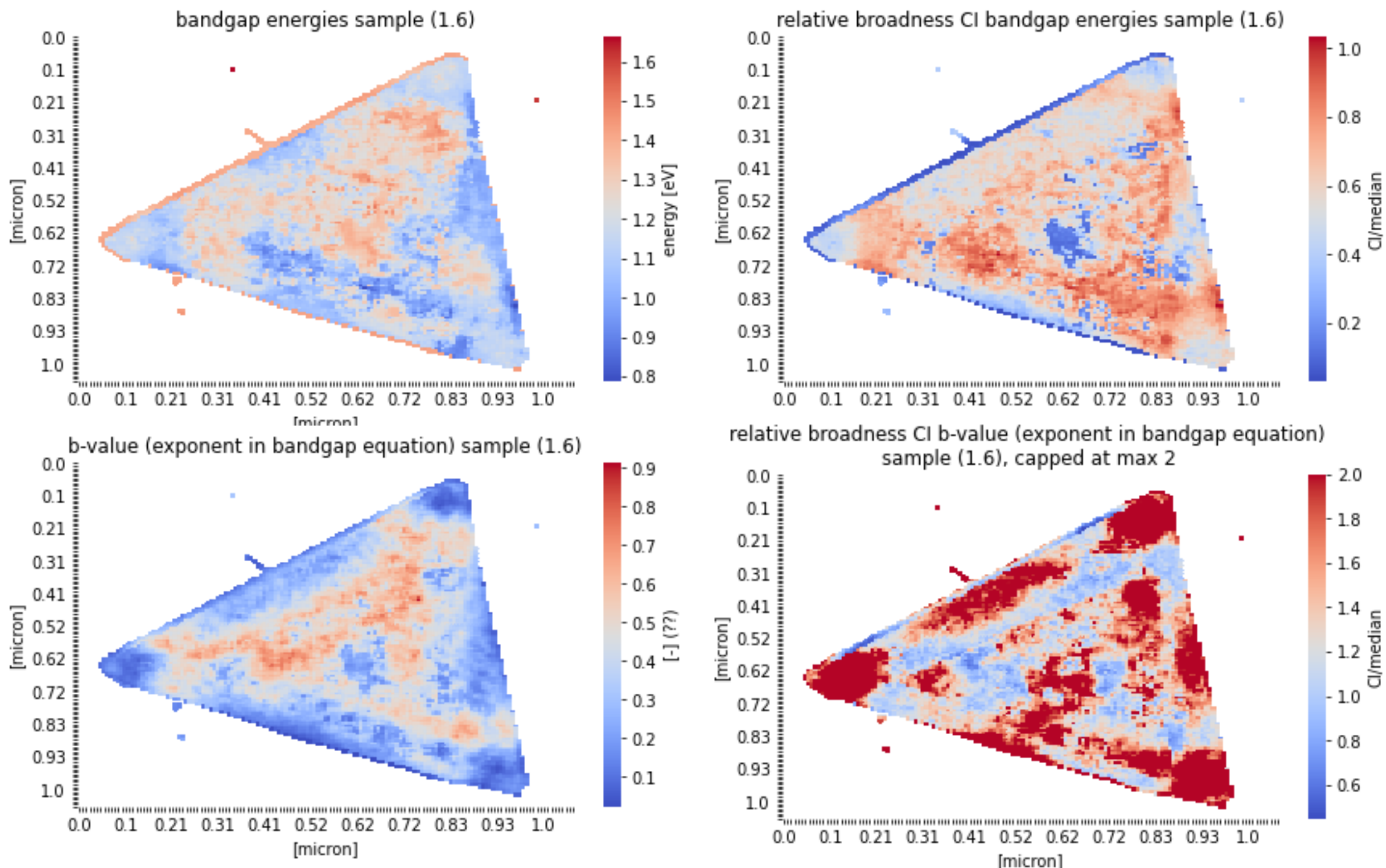
Possibilities

- Readress finding of dE1... apparently...
- Train on pooled images for more consistent ZLPs?
- Calculate bandgap on average over models → no error indication...

Thickness



Bandgaps



Discretized bandgaps

