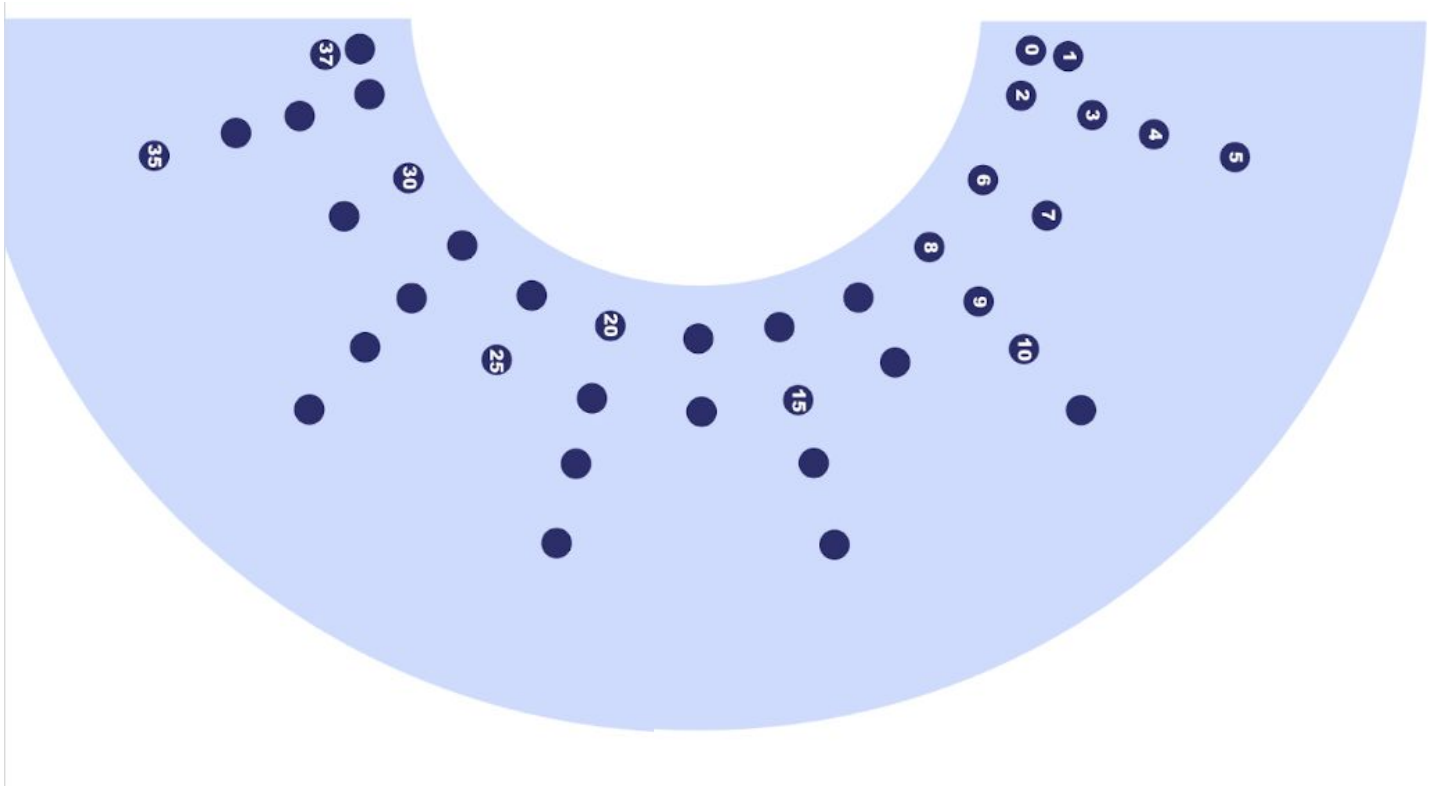
Results from day 2

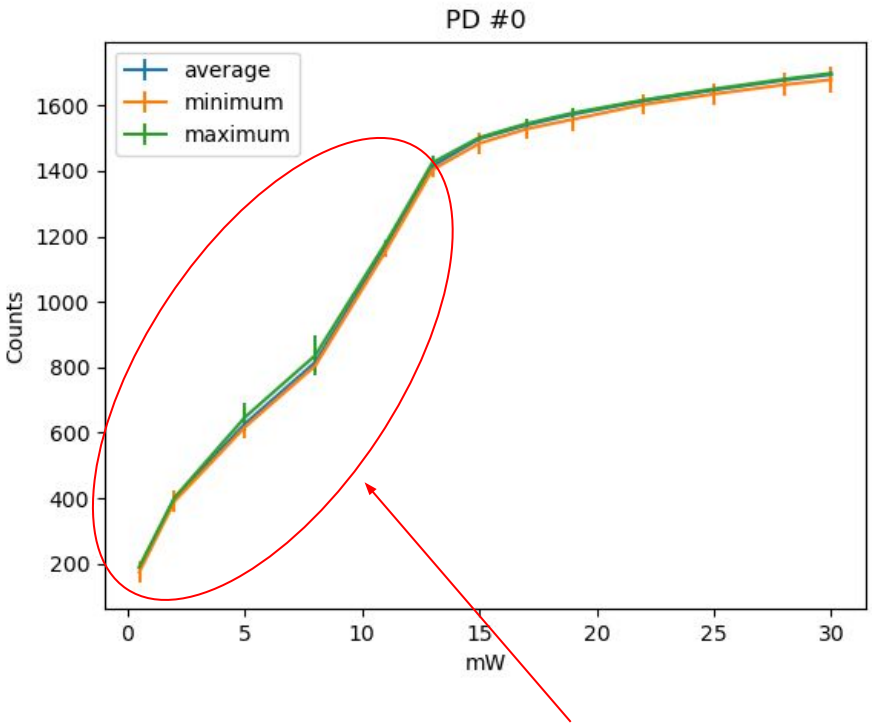
20th of April 2021

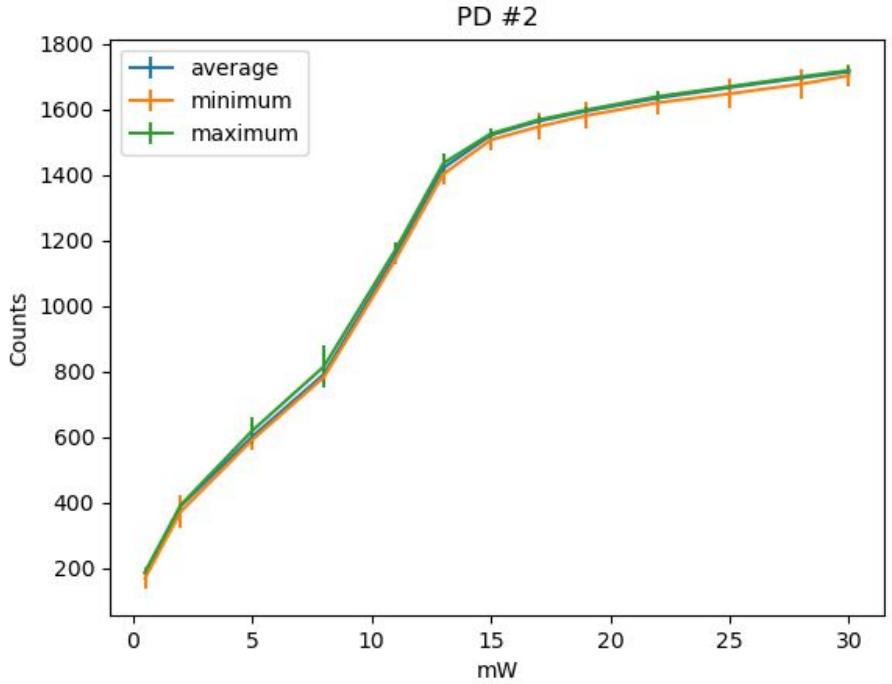
Distribution of PDs and associated numbers



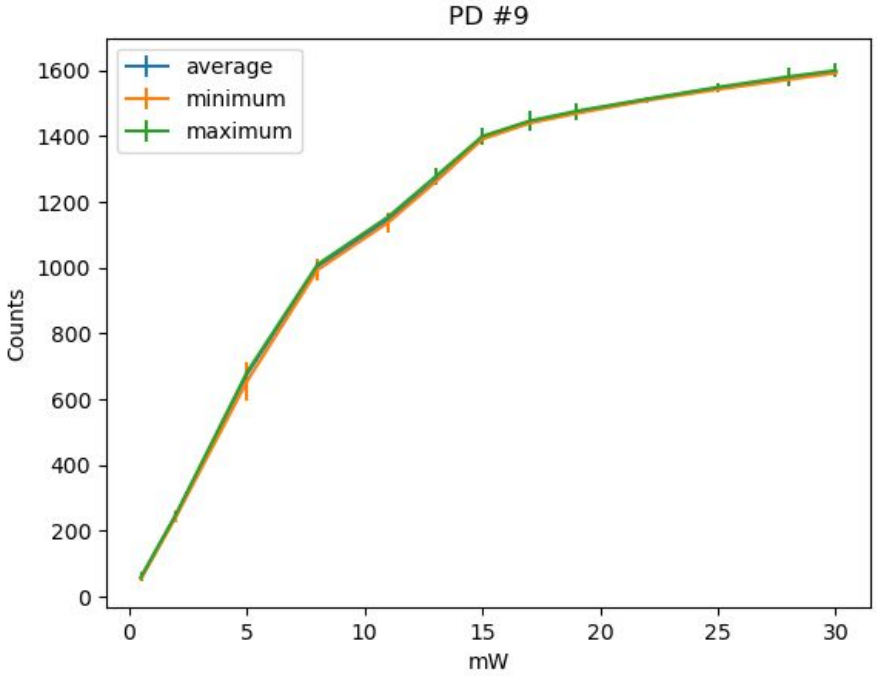
Measurements

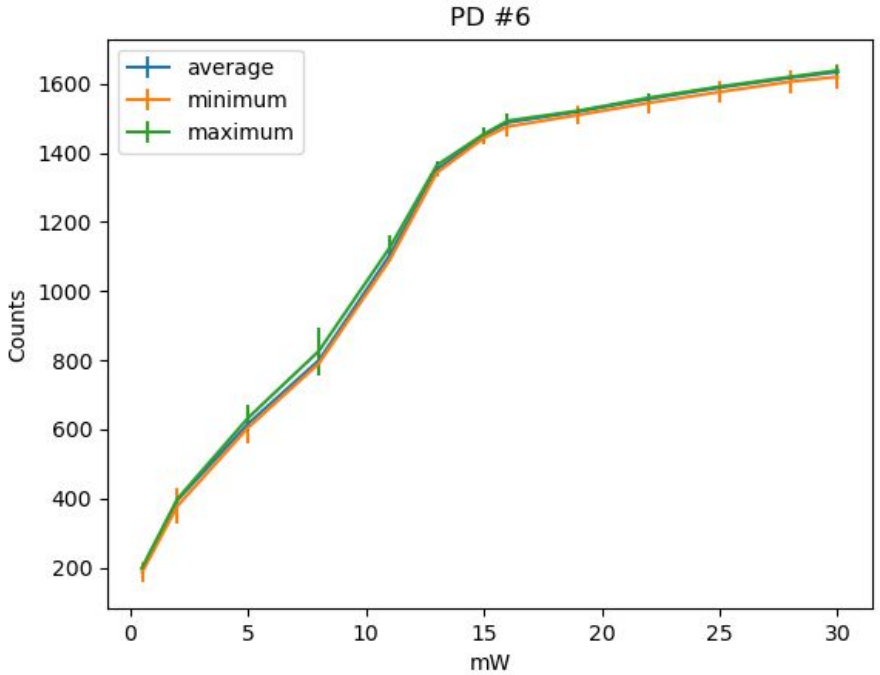
- With the aim of maximizing the amount of measured PDs, we reduced the number of sampling points. We scanned each PD for the following powers: **[0.5,2,5,8,11,13,15,17,19,22,25,28,30]mW**
- We would take **15”** of data for each power
- We tested **1 photodiode per row** of PDs (to make sure that all ADC were working)
- NOTE: the PCB is different from the one tested yesterday → Pepe found out the reason why there was an oscillation that disappeared after averaging over many measurements, and so this new **PCB is fixed**.

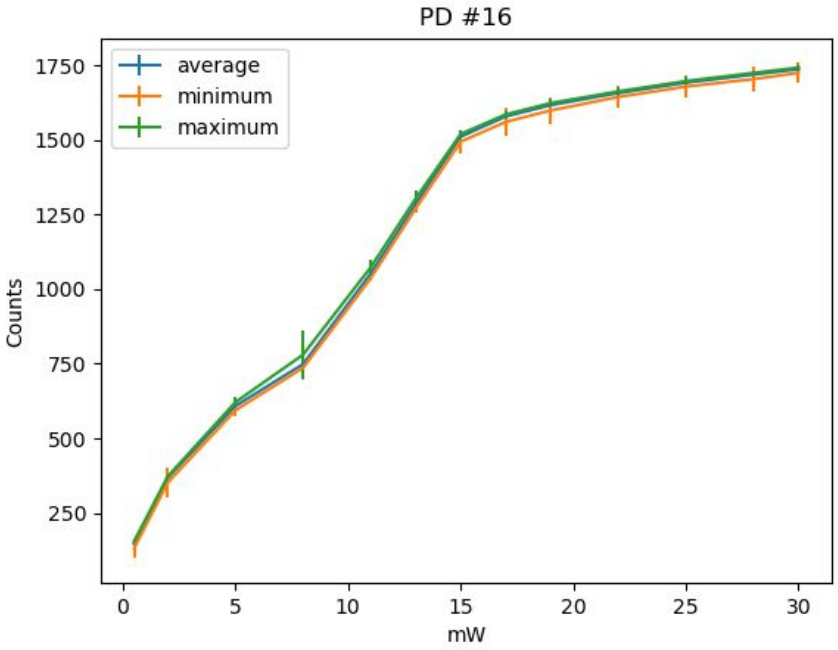


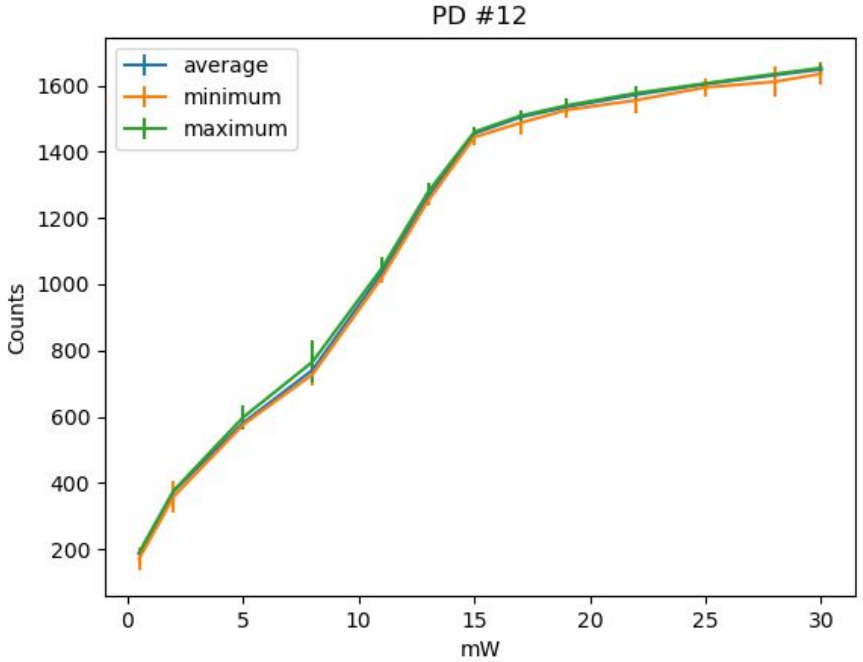


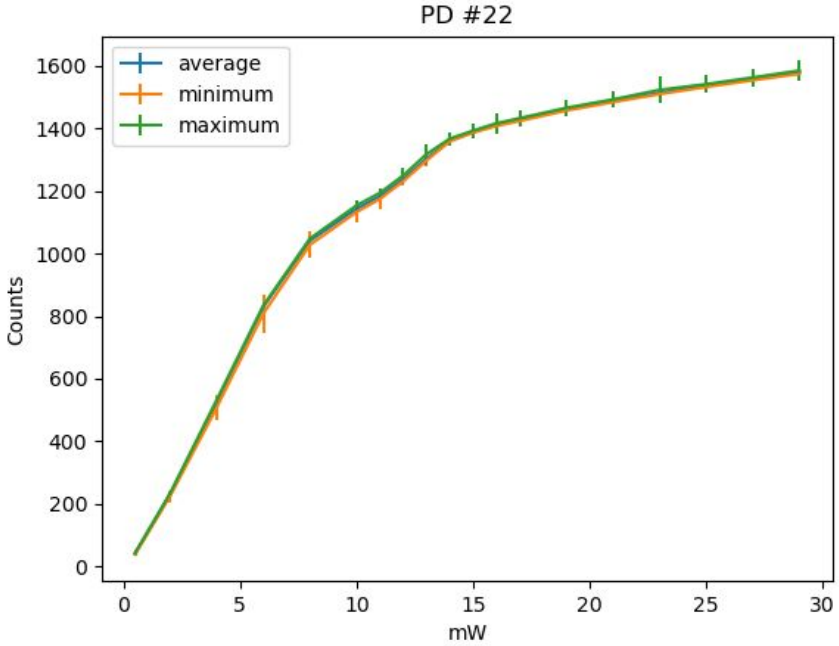
Maybe a few more sampling points in this region would have been more convenient (same for the other PDs)

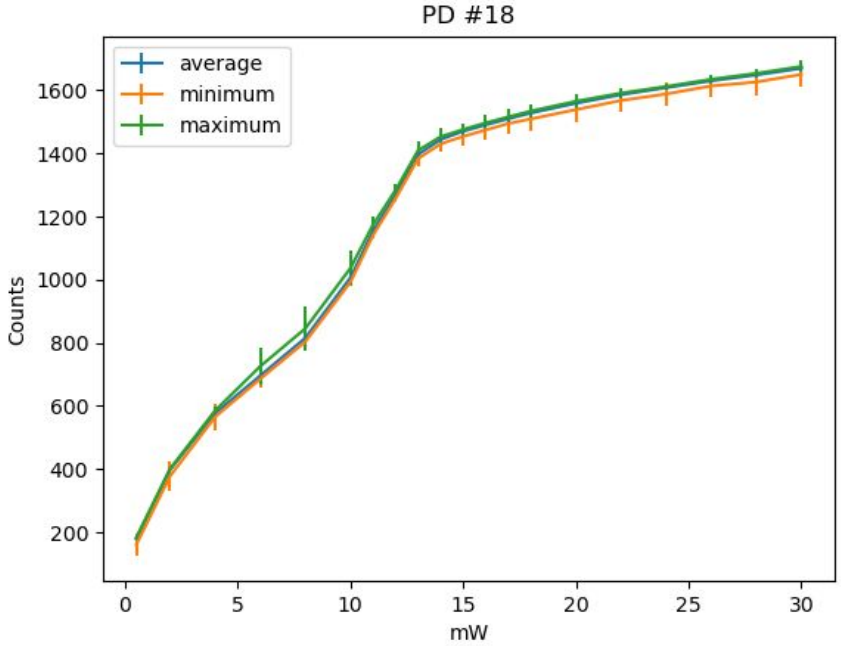

PD #9
average
minimum
maximum
Counts
mW
0
200
400
600
800
1000
1200
1400
1600
0
5
10
15
20
25
30

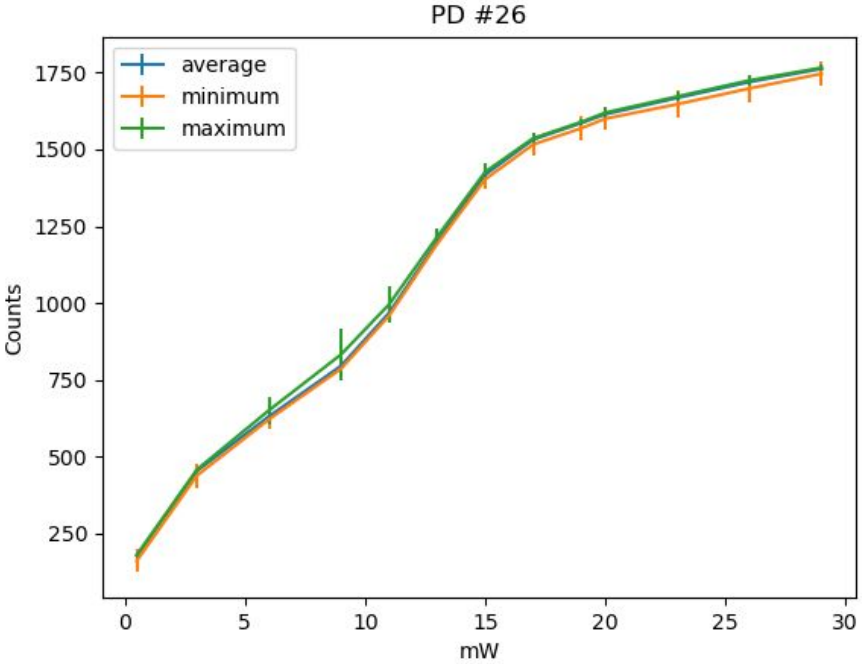

PD #6
average
minimum
maximum
Counts
mW
200
400
600
800
1000
1200
1400
1600
0
5
10
15
20
25
30

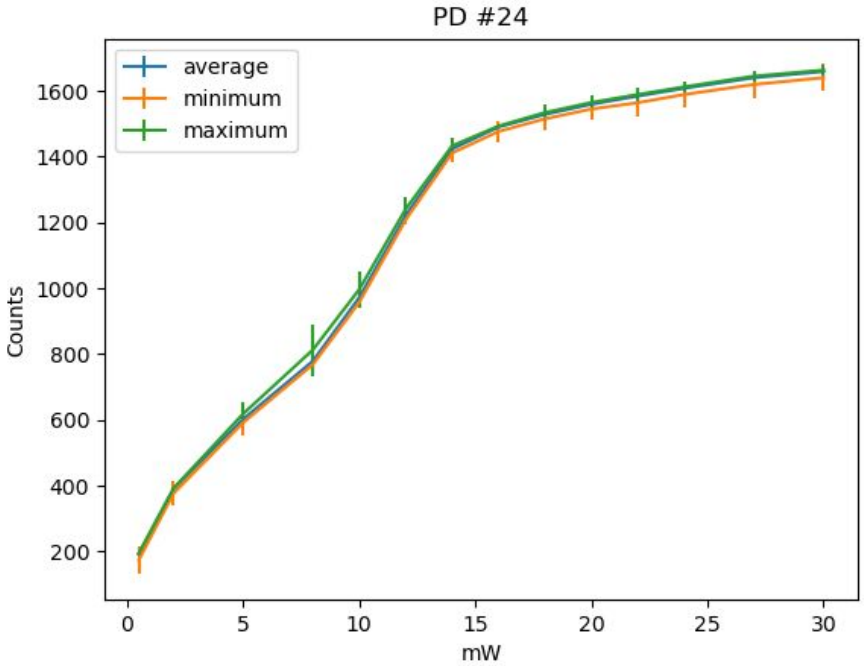

PD #16
average
minimum
maximum
Counts
mW
1750
1500
1250
1000
750
500
250
0
5
10
15
20
25
30

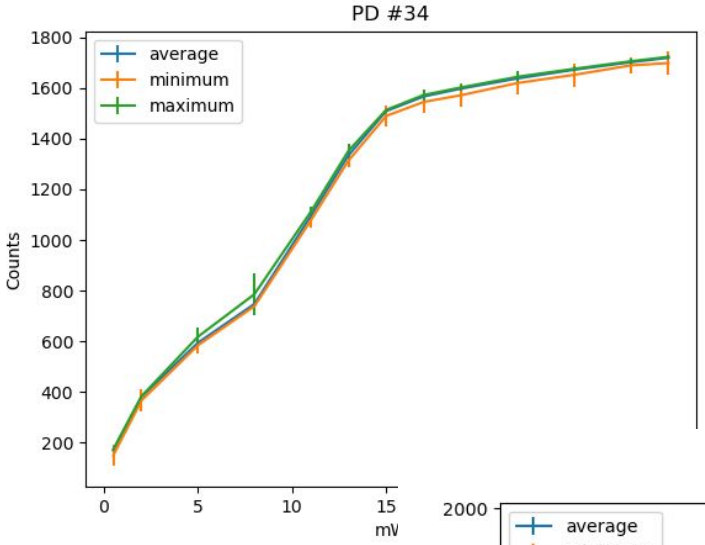

PD #12
average
minimum
maximum
Counts
mW
1600
1400
1200
1000
800
600
400
200
0
5
10
15
20
25
30

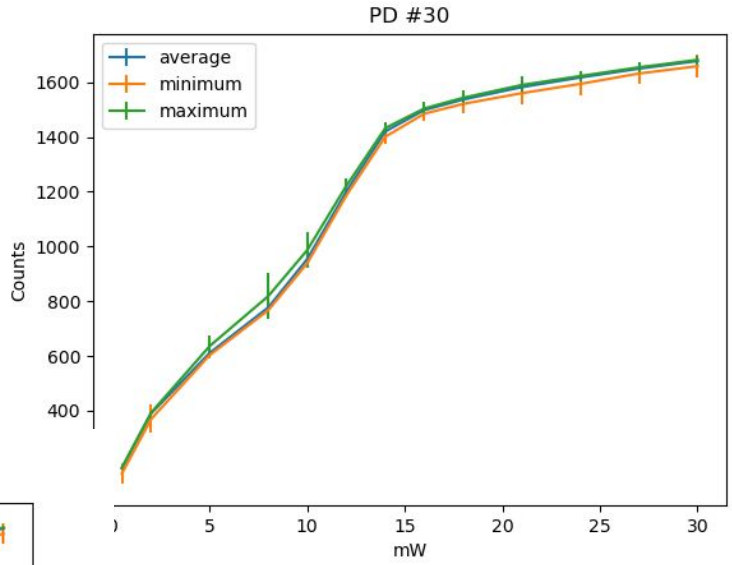

PD #22
average
minimum
maximum
Counts
mW
0
200
400
600
800
1000
1200
1400
1600
0
5
10
15
20
25
30

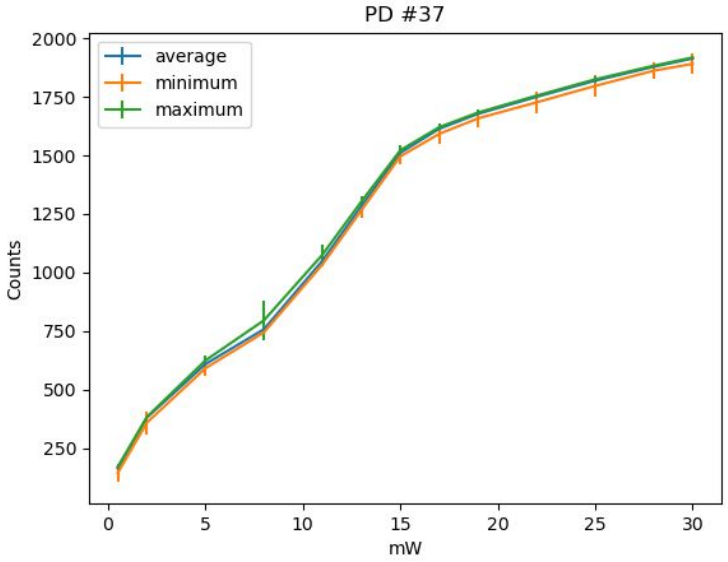

PD #18
average
minimum
maximum
Counts
mW
200
400
600
800
1000
1200
1400
1600
0
5
10
15
20
25
30


PD #26
average
minimum
maximum
Counts
mW
1750
1500
1250
1000
750
500
250
0
5
10
15
20
25
30


PD #24
average
minimum
maximum
Counts
mW
1600
1400
1200
1000
800
600
400
200
0
5
10
15
20
25
30


PD #34
average
minimum
maximum
Counts
mW


PD #30
average
minimum
maximum
Counts
mW


PD #37
average
minimum
maximum
Counts
mW