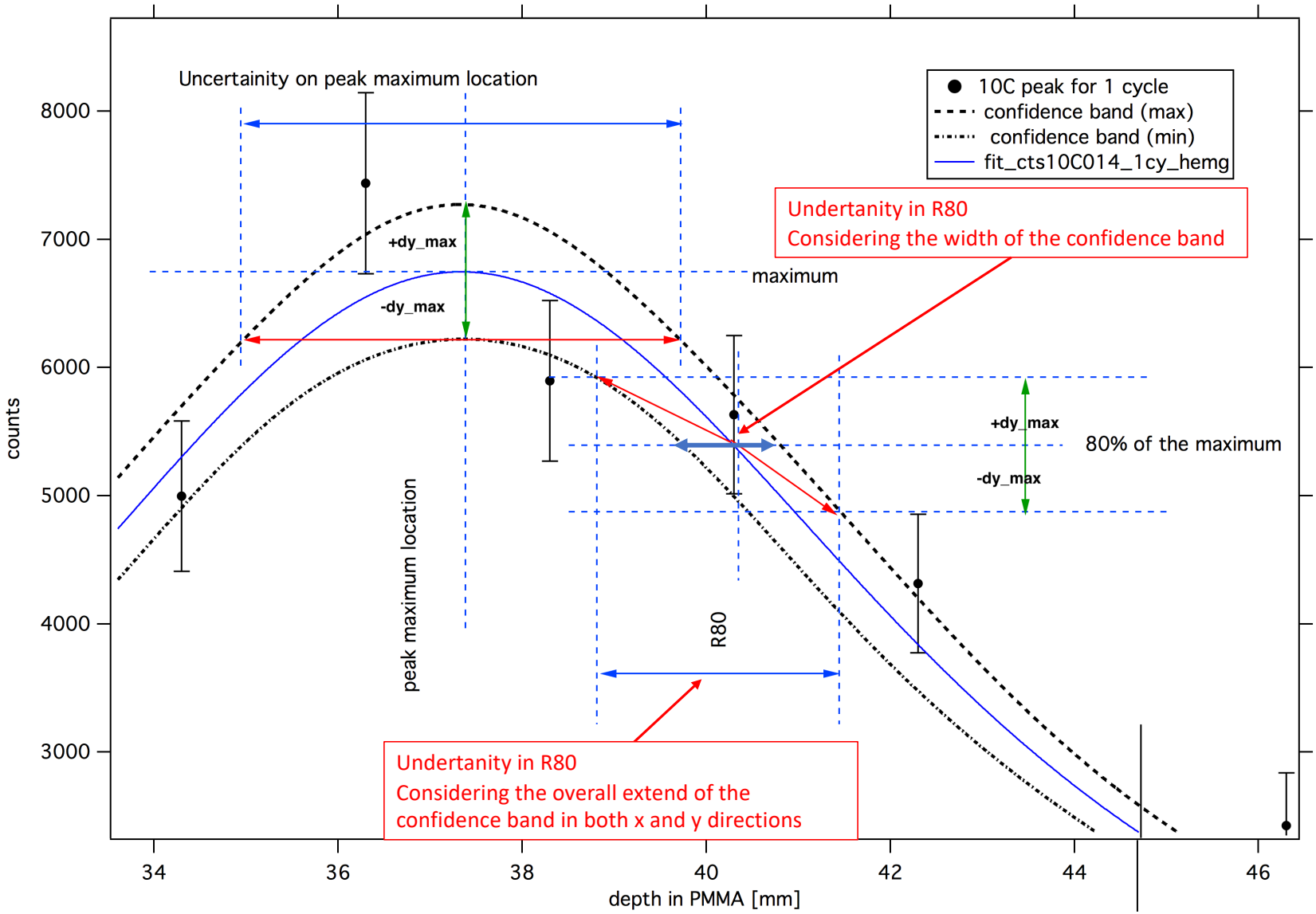
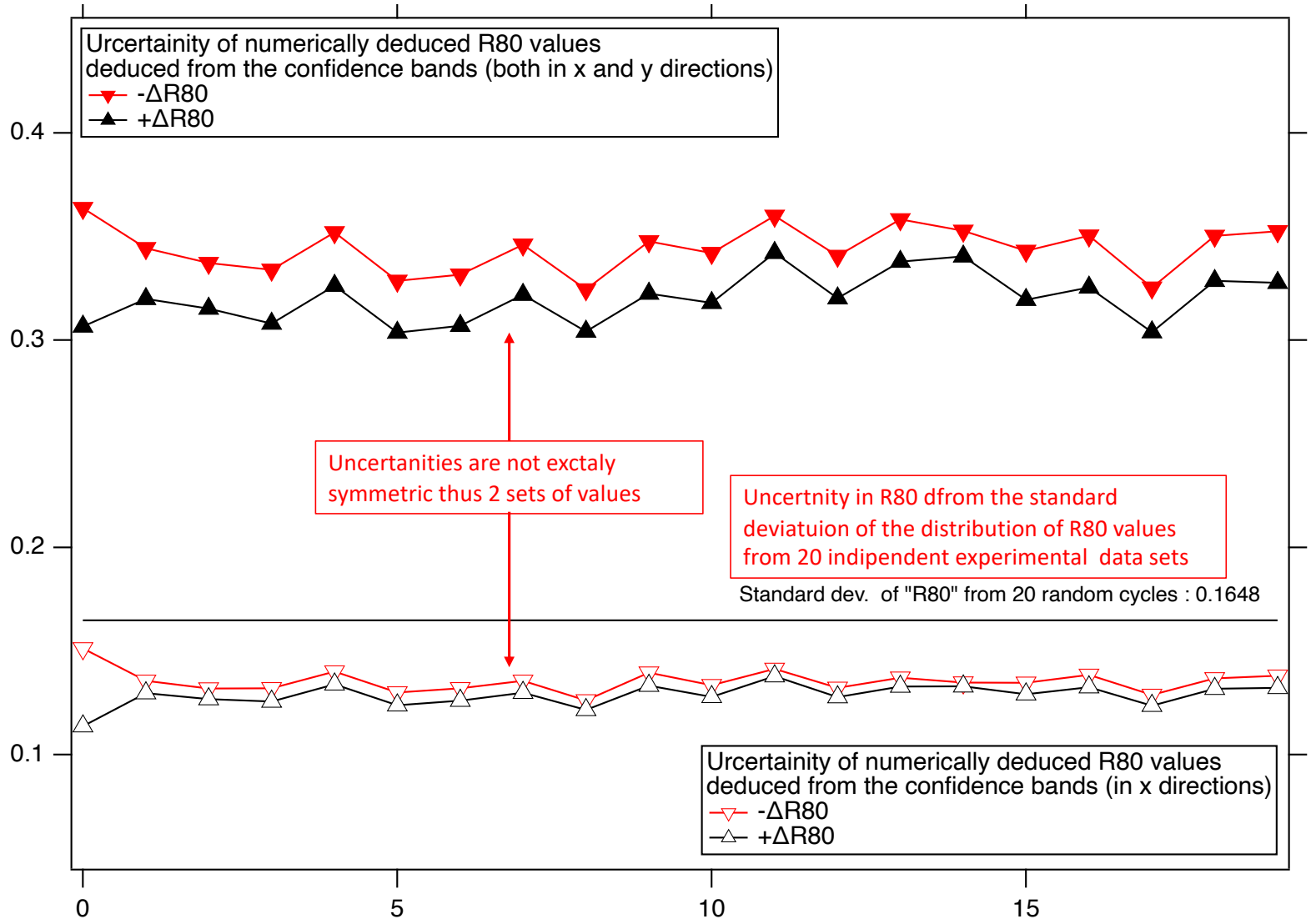

Uncertainity on peak maximum location
10C peak for 1 cycle
confidence band (max)
confidence band (min)
fit_cts10C014_1cy_hemg
Undertanity in R80
Considering the width of the confidence band
+dy_max
-dy_max
maximum
+dy_max
-dy_max
80% of the maximum
peak maximum location
R80
Undertanity in R80
Considering the overall extend of the
confidence band in both x and y directions
counts
depth in PMMA [mm]
8000
7000
6000
5000
4000
3000
34
36
38
40
42
44
46


Urcertainity of numerically deduced R80 values
deduced from the confidence bands (both in x and y directions)
-ΔR80
+ΔR80
0.4
0.3
0.2
0.1
Uncertanities are not exctaly
symmetric thus 2 sets of values
Uncertnity in R80 dfrom the standard
deviatuion of the distribution of R80 values
from 20 indipendent experimental data sets
Standard dev. of "R80" from 20 random cycles : 0.1648
Urcertainity of numerically deduced R80 values
deduced from the confidence bands (in x directions)
-ΔR80
+ΔR80
0
5
10
15