Dear all,
i did a simple test
(tell me if i am wrong)
i took the look up prespec table x,y,z and calculated the r distance
and as you see they look very much "theoretical" as they are all the same !
Then i took the table from Strachen Laser measuremnts at GSI,
and the cristal front face have different r, as ecpected from "real life".
(see list at end).
Frontface means if i understood correctly, front of cristal housing.
Written in the word document.

A second test i did now is to take serious the measured target position offset that wrote
Strachen,...
and the 2plus state shows up better.

If this is true, that the measured positions are different from the tabled one, i think we have to
reevaluate all lookuptable and we have a problem.
maybee a serious problem, if we continue using the old tables.
Who is able to take care of this problem ?

radius distanze

prespec lookup
235.0270515
235.0270487
235.0270439
235.0270429
235.0270428
235.0270419
235.0270416
235.0220086
235.0220077
235.0220057
235.0220053
235.0220049
235.0220048
235.0220035
235.0220026
235.0220014
235.0220008
235.0220005
235.0220005
235.0219985
235.0219984

Strachen 2012 measures
235.8678514
235.4930124
235.1198427
235.0128345
234.7970693
234.5157763
234.1244172
233.8492784
233.707791
233.5889812
233.366668
233.0576531
232.6759456
232.4498048
232.3274615
232.2338872
231.6427568
231.361688
231.2412362
231.1137296
231.0875362
230.9375023
230.4040869
230.1122638
230.086363
230.0175034
229.7865397
229.4736394
229.3584166
229.3414726
229.2368009
229.2167074
229.0517248
228.7686377
228.7648408
228.7026844
228.4926037
224.1008758
223.224044
222.7145377