

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 measurement at GSI,  
and the cristal front face have different r, as expected 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.  
maybe 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