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Subject: Re: AGATA Crystal positions (Look-Up Table)  
Posted by [wieland@mi.infn.it](mailto:wieland@mi.infn.it) on Fri, 20 Mar 2015 10:22:01 GMT  
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Dear All,  
the measurement of John Strachan is the exact position of cristal fron and back face.  
This measurements must be used to analyze.  
We cannot use an old LNL measurement rotate it and believe that it works at GSI.  
At LNL we had no doubles and only triple cristals, and the mecanics is good but not perfect.

I dont know how the Lookuptable is created.  
But it is extremely important to start from the measured points (they give front and back face of the cristals)  
and transform it to compare it with the used table.

Somebody knows how the agata lookup table is created starting from the laboratory coordinate system used by Strachen?

In this system the AGASTA target, as i understood, is not in th 0.0.0 position but shifted,  
Also this changes the analysis.

If there are differences bigger than some mm, then the doppler correction will not work good  
and the gamma peaks disapear and the lineshape will change.  
I think this is an important issue.

Oliver