Subject: Re: LYCCA ToF scintillators Posted by Michael Reese on Fri, 12 Aug 2016 13:35:22 GMT View Forum Message <> Reply to Message

Hi,

By just plotting the x vs. y position as it comes from the ToF-scintillator, you will get a pattern of squares. The pattern comes from the gaps between the LYCCA modules.

If everything would be perfect, the lines in the pattern should be perpendicular. In practice they might look a bit sheard.

The "x_shear" and "y_shear" parameters are there to correct for that.

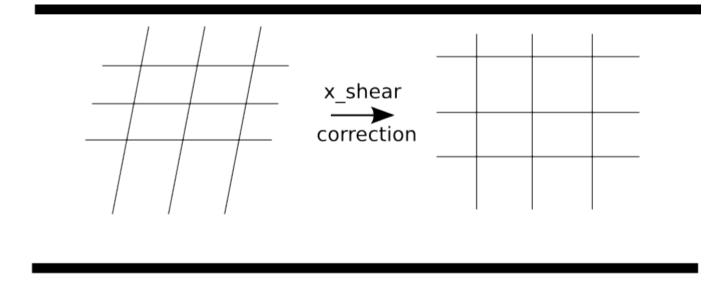
I hope the following schematic drawing makes it clear.

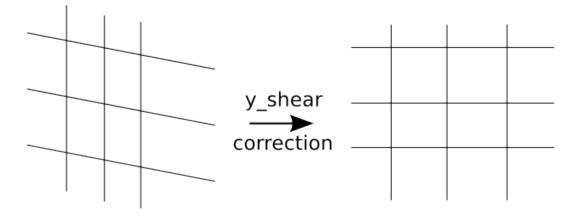
In addition, the pattern might be shifted in x and y direction, and rotated. There are other parameters forseen to correct these errors.

Regards, Michael

File Attachments
1) shear_correction.png, downloaded 693 times

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