Subject: Self calibration with OFFSET
Posted by Damian Ralet on Wed, 08 Oct 2014 13:33:30 GMT
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Hi Michael,

I tried to use the self_calibration with offset to improve my DSSD calibration. It turns out that it was not working so fine, and depending on the data run I was using, it was going through the full lmd file, or not.
I was using the last version of the prespec code (installation last week during the EGAN school), and the configuration I used is a copy from:
/u/mreese/work/EGANschool/EGANschool_S424_80KrFragmentation (Advised by Liliana).

Can it be due to the set of parameters that I gave in input (I useddifferent value, but did not manage to improve the things):
selfcalibration_with_offset   2000 0.25 4 0.05 400 -300 300

Thank you,
Damian

Subject: Re: Self calibration with OFFSET
Posted by miree on Wed, 08 Oct 2014 16:19:13 GMT
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Hi Damian,

selfcalibration with offset is still an "experimental feature" ...
I recently introduced some openMP functions to make it run faster, but since this was causing problems on some systems where openMP was not available, I removed the offset calibration completely before the EGAN school to avoid additional problems.

If someone wants to use it, he/she has to remove the comments from the respective functions in the DSSSD.cpp (there are two functions that are completely commented). I think on GSI computers openMP is available.

But as I said, the current implementation is not extremely well tested. I have used it successfully already, and it indeed improves the quality of the gain matching (in particular for the lower energies), but it is not as reliable as the no-offset calibration yet. It can happen that the algorithm doesn't find the correct calibration values.

Subject: Re: Self calibration with OFFSET
Posted by Damian Ralet on Thu, 09 Oct 2014 14:35:34 GMT
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Hi Michael,

Thanks for the additional information.

I will let the self calibration with offset apart at the moment.

Cheers,
Damian