Subject: Re: genfit2 update - bugs(?)
Posted by Elisabetta Prencipe (2) on Sat, 31 Oct 2015 17:06:09 GMT
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Hello Stefano,

 to my understanding the class WireMeasurement(), that right now is used in genfit2/measurement, is more general than the new class WireMeasurementNew(). For the STT detector I consider that more appropriate; however, in Belle II they use directly the class AbsMeasurement(). This is of course an attempt that I can still try. In any case, as all classes WireMeasurement* do not allocate dynamical resources, whatever problem of memory leak cannot be due to the latter classes. Indeed, I did not find problems of memory leak in my preliminary tests. I will further investigate.
Clearly the CPU time needed to run genfit2 depends also on how many number of iteration one sets. Let's remember that genfit(1) had a logic bug, and the numIter was forced to be =1. I tried with genfit2 to set numIter up to 10, and it worked. A good compromise between fit performance and CPU time consumption can be to run numIter = 3. It should be enough (my guess). I'll do my homework.

Please, schedule me for a genfit2 update talk during the next collaboration meeting. I will perform some new tests and comparisons in the last trunk revision, and show in Vienna. If you have better suggestions, please feel free to say and I'll work on.

cheers, Elisabetta