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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 `numlter` was forced to be `=1`. I tried with `genfit2` to set `numlter` up to 10, and it worked. A good compromise between fit performance and CPU time consumption can be to run `numlter = 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

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