Subject: Re: Bump splitting: new endcap vs. old endcap
Posted by Dima Melnychuk on Mon, 09 Feb 2009 12:34:22 GMT
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Hi Stefano,

Actually the emc classes PndEmcMapper and PndEmcStructure
were not ported from Babar framework, but created from scratch because of different
representation of geometry. In Babar framework the geometry was based on XML description
and these two classes provide similar functionality to what exists in Babar framework but they
are not identical.

The macro, which shows the plots on bump splitting is bump_analysis.C.

Concerning the PndEmcMapper::Instance(0) with parameter 0, it does not create the instance
of PndEmcMapper, but only get the instance of the PndEmcMapper if it was created
previously. Otherwise it gives the warning.

And at the moment PndEmcMapper is instantiated with proper input parameter in the Init()
methods of the tasks where it is used, for example PndEmcMakeCluster, PndEmcMakeBump.

But I support the idea of Bertram for emc initialization sequence, let's say the task class
PndEmcInit, which would be inside digitization/reconstruction sequence before any other tasks
and where PndEmcMapper would be initialised only once.
But it's matter of discussion.

Dima