Subject: Re: failure of QA macro of EMC reconstruction
Posted by mpeliz on Sun, 06 Dec 2009 11:00:39 GMT

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Hello,

looking to the standard macros in the emc directory
it seems that for the geometry used in the qa macros
the mapper version 6 should be used, e.g.

macro/emc/sim_emc.C:
Emc->SetGeometryFileNameTriple("emc_module125.dat","emc_module3new.root
","emc_module4_StraightGeo24.4.root"); //MapperVersion: 6

while the mapper for the 3rd macro is instantiated with version number 2
macro/qa/emc/QAmacro_emc_3.C: PndEmcMapper *emcMap=PndEmcMapper::Instance(2);

I do not know if this causes the problem, but it is inconsistent anyway. Since Johan has
simulated and digitized 10k events, could you try to run the reconstruction with a consistent
setting of the mapper and see if this changes anything?

Another point to check might be the latest changes for the PndEmcStructure and PndEmcXtal
classes announced recently by Ola and Elwin on this forum. But this is just a wild guess, since
we do not know at which point the error did not occur. Maybe it was even present at Dubna,
2.5 years ago.

Best regards,
 Marc