

---

Subject: Geometry of EMC Barrel Crystal

Posted by [Christian Hammann](#) on Fri, 18 Sep 2009 10:43:01 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hi everybody

I'm new to Pandaroot and the EMC and started using the Simulation a few weeks ago. I noticed that the shape of the Crystals in the EMC Barrel in the simulation is not what I would have expected from the description in the TDR. The angles between frontface and the sides of the crystal do not match. Also the size of the frontface and the backface is different. Is the shape in the simulation or the one in the TDR the correct one?

I use the geometry files emc\_module1245.dat and emc\_module3new.root. The crystal shape in the fwEndCap is the same in the simulation and the TDR.

Best Regards  
Christian

---