Subject: Re: Strange shape for the cental part of beam pipe.
Posted by StefanoSpataro on Tue, 11 Aug 2009 14:22:05 GMT

If you look in PndPipe, pipeCentral is not used as it is, but after some logical operations:

 TGeoCompositeShape *pipeCross   = new TGeoCompositeShape("pipeCross",
"(PIPE_CN+TRG_CN:r1) - (PIPEV_CN+TRGV_CN:r1)");
  TGeoCompositeShape *pipeVacuumCross = new
TGeoCompositeShape("pipeVacuumCross", "PIPEV_CN+TRGV_CN:r1");

In practice, totally filled beam+target pipe minus totally filled beam+target vacuum.
There is no overlap, simply logical subtraction of the volumes.