

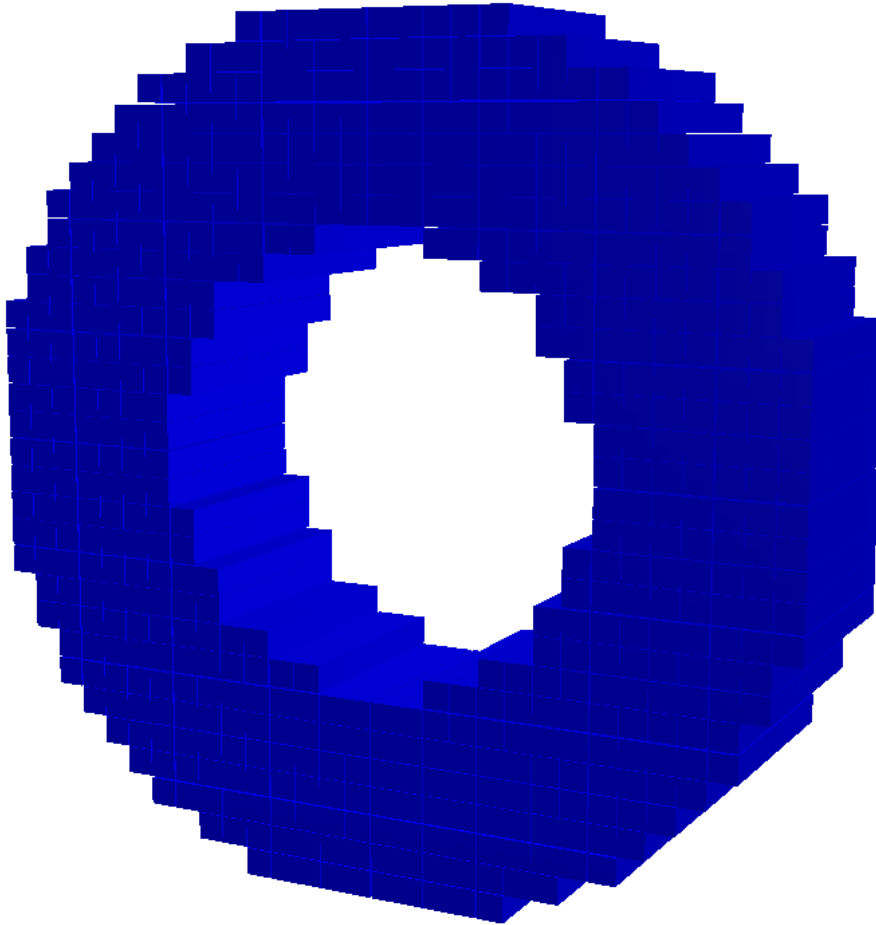
Status report of current and future activities

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Backward End-Cap EMC



Crystal size(mm):
24.4 x 24.4 x 200

Θ range:
145.65-167.09

Outer / inner
diameter(mm):
812 / 364

Reactions to be simulated

Single photons:

Parameters:

Energy: 30, 100, 250, 500, 700 MeV

Θ : 145 $^\circ$, 150 $^\circ$, 155 $^\circ$, 160 $^\circ$, 165 $^\circ$

φ : 22.5 $^\circ$, 45 $^\circ$

$pp \rightarrow e^-e^+\pi^0$:

Parameters:

Not discussed yet.

Event generator developed for BaBar framework and adapted for pandaroot.

Thanks to Marc Pelizaeus and other people from Bochum

$$pp \rightarrow e^- e^+ \pi^0$$

Conclusion

1. What parameters should we use for $pp \rightarrow e^-e^+\pi^0$?