



Study of the distribution of optical photons produced by different particles in a BE-BE hexagonal cell

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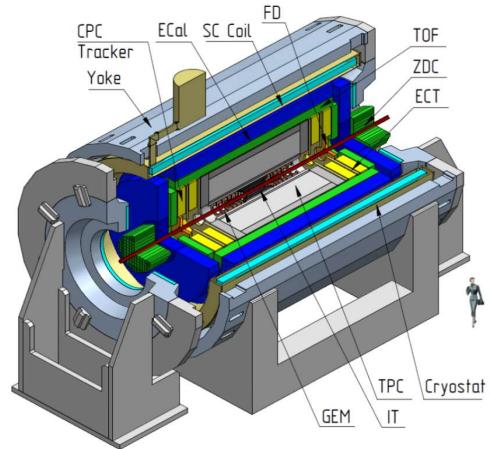
PhD. Heber Zepeda Fernández

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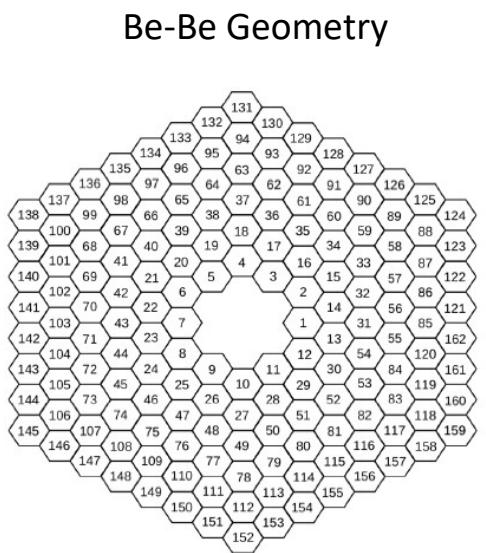
December 2020



Introduction

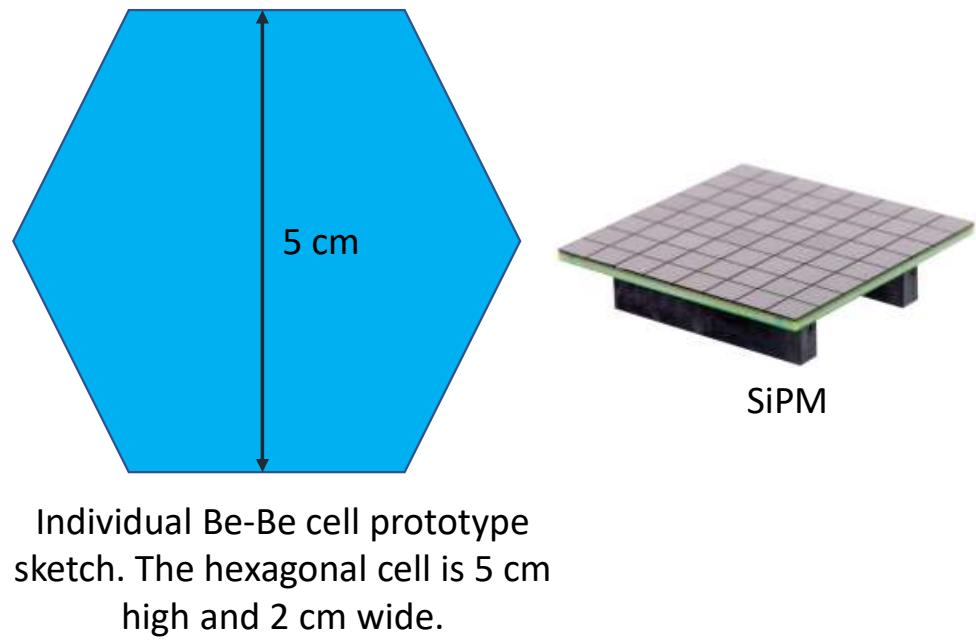


MPD(detector)



One of the hodoscopes of the Be-Be design

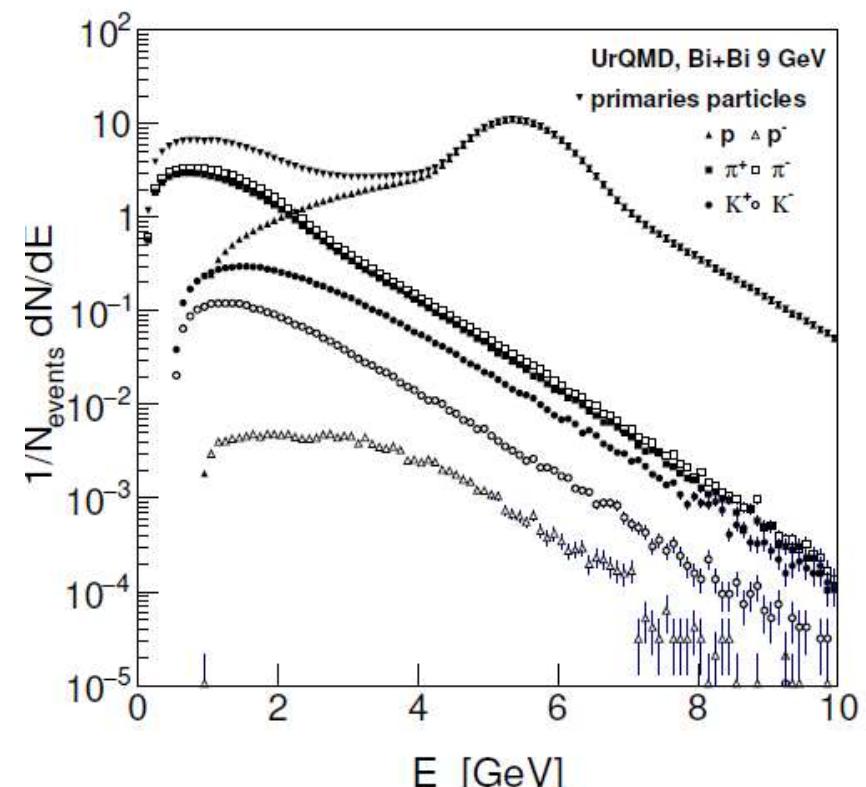
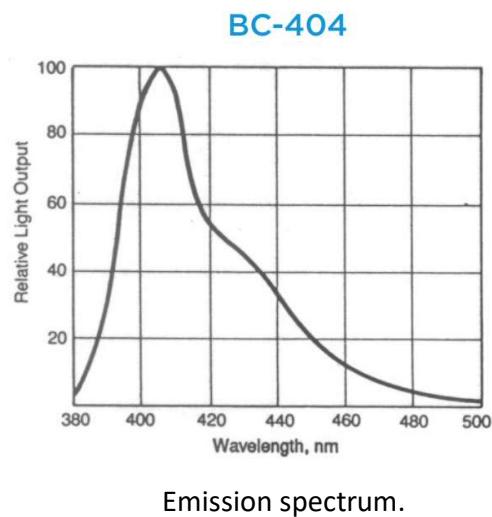
Geometry.



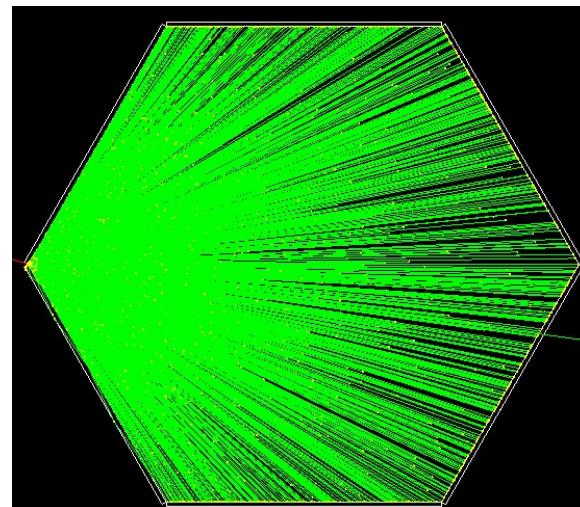
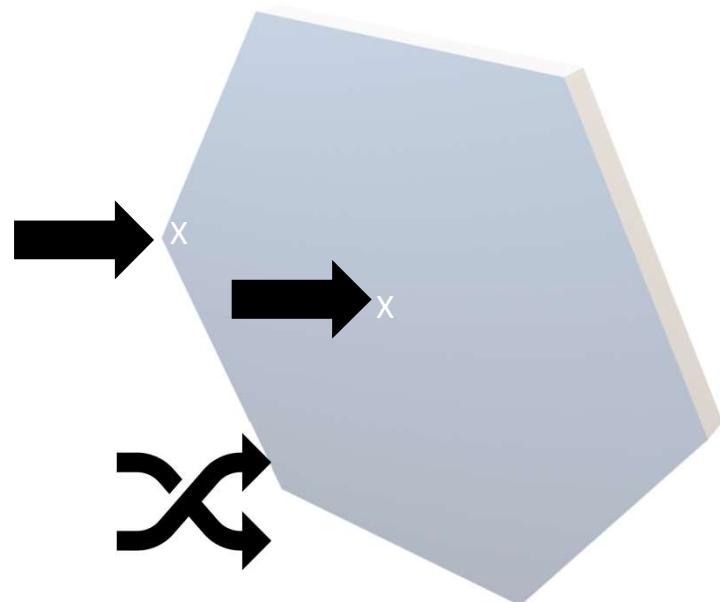
Methodology



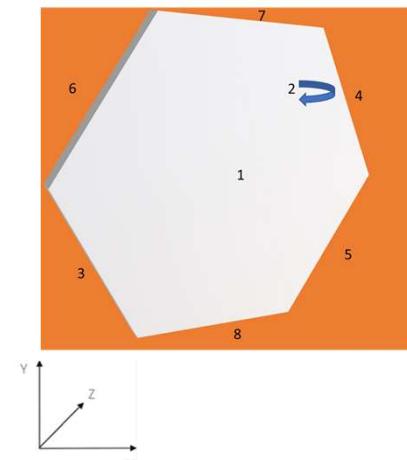
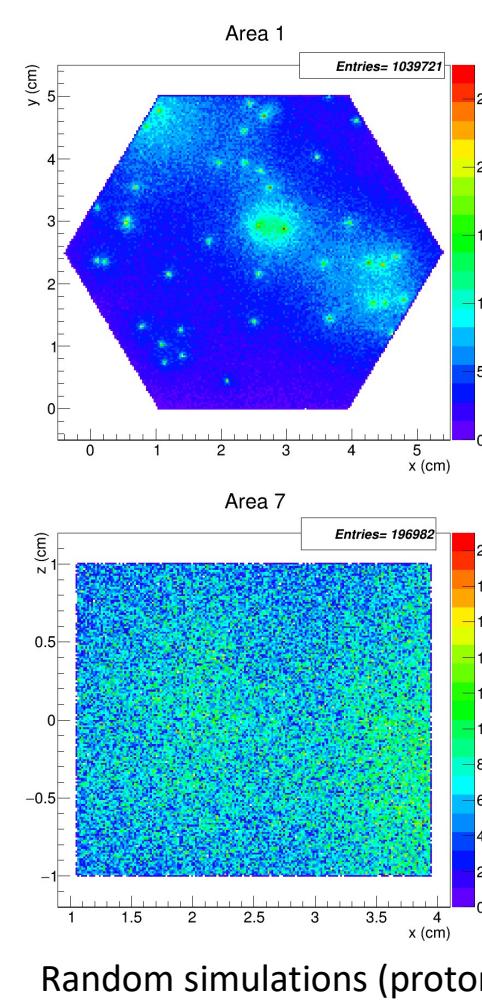
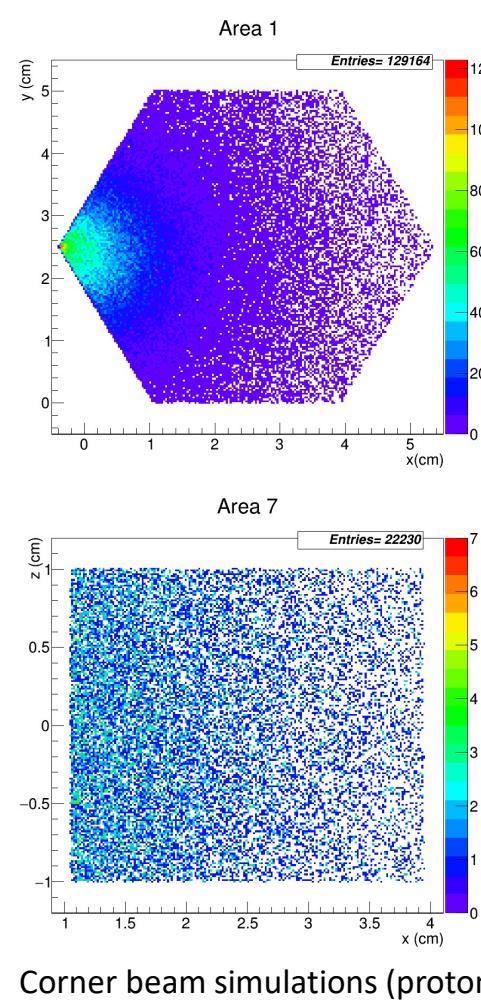
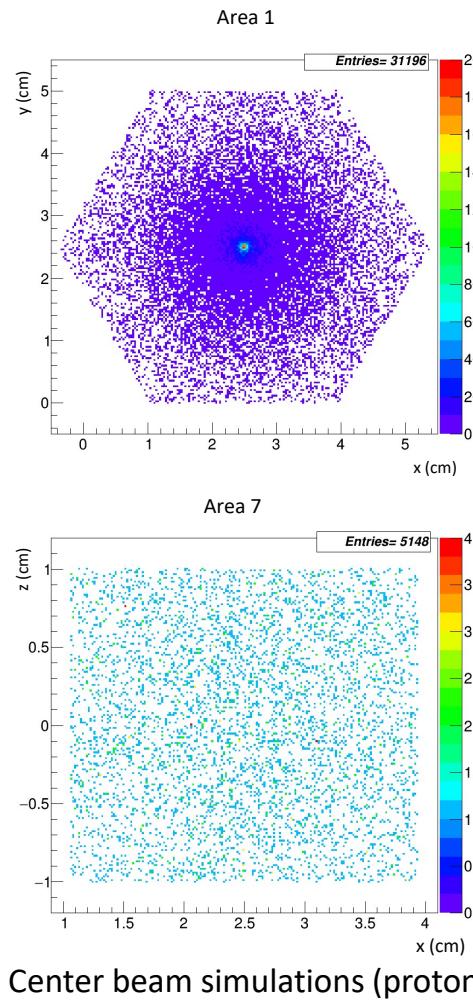
Scintillator plastic.



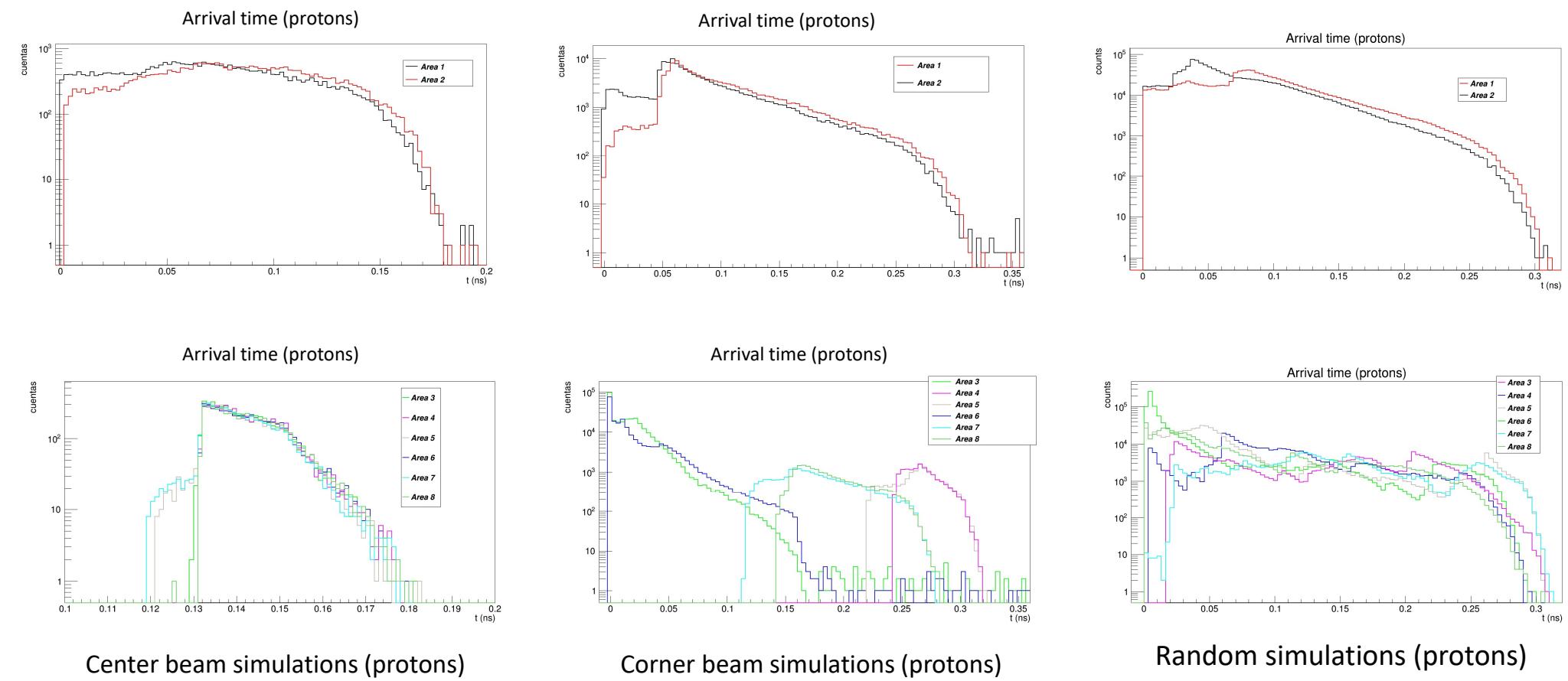
Simulation



Results



Results (arrival time of photons)



Conclusions

- We can place the pmt or sipm in any of the areas of the perimeter of the hexagon.

Thank for your attention!!!