Contribution ID : **50** Type : **Plenary talk**

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

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Content

Simulations were performed for a BE-BE hexagonal cell with the characteristics of BC-404 plastic scintillator. Different types of particles (pion, kaon, proton) were also simulated with a specific energy distribution from 1GeV to 10GeV and integrating with the hexagonal cell the in different positions (center, corner and random). The main goal of this work is to know the arrival position of the optical photons inside the hexagonal surface, with the purpose to know the area where is the greater abundance of photons to place the sipm in that region.

Area of contribution

Simulations

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Session Classification : Experiment