The Dichroicon

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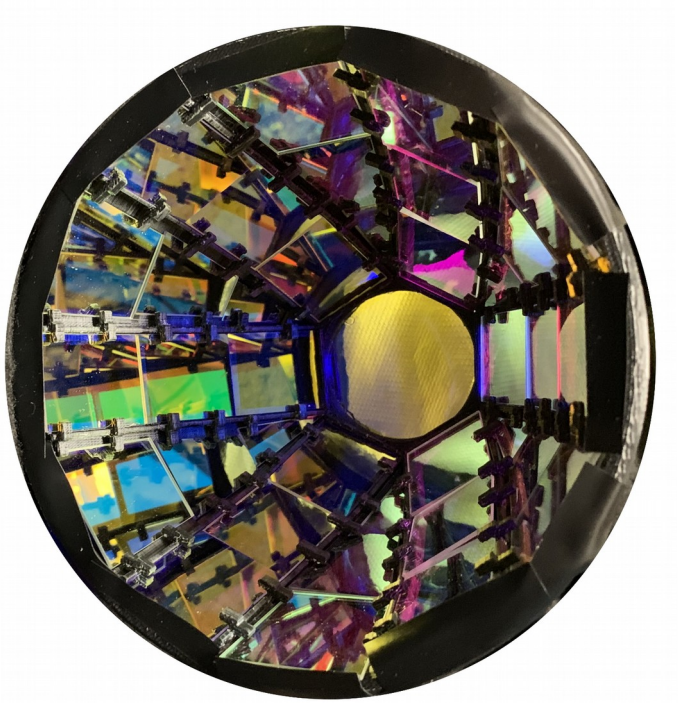

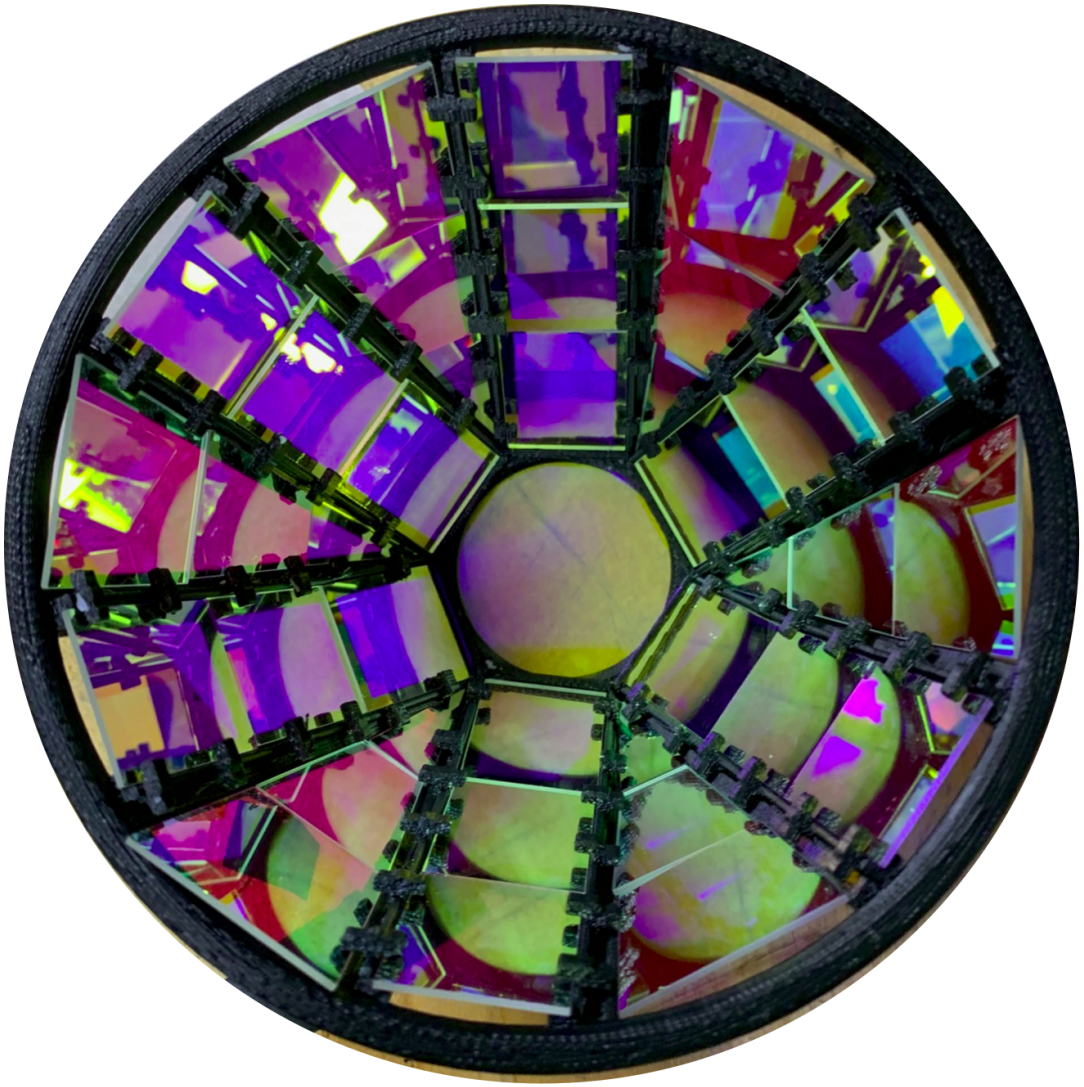

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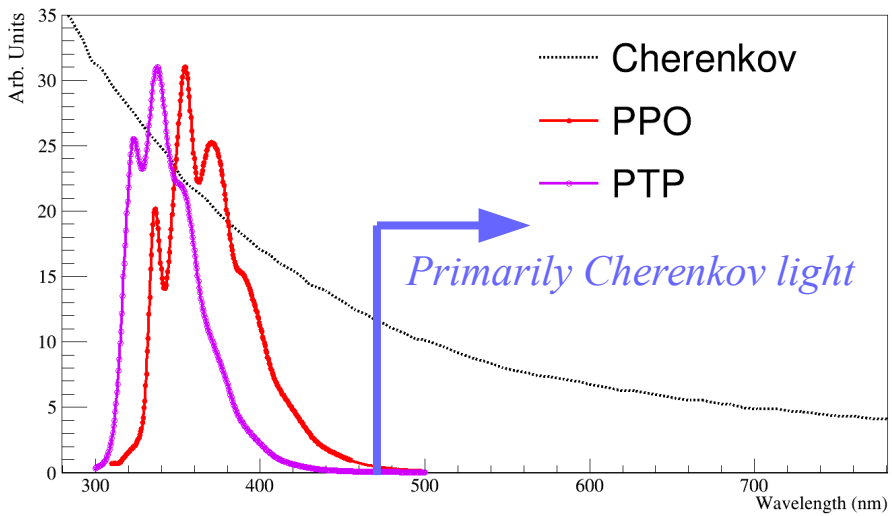

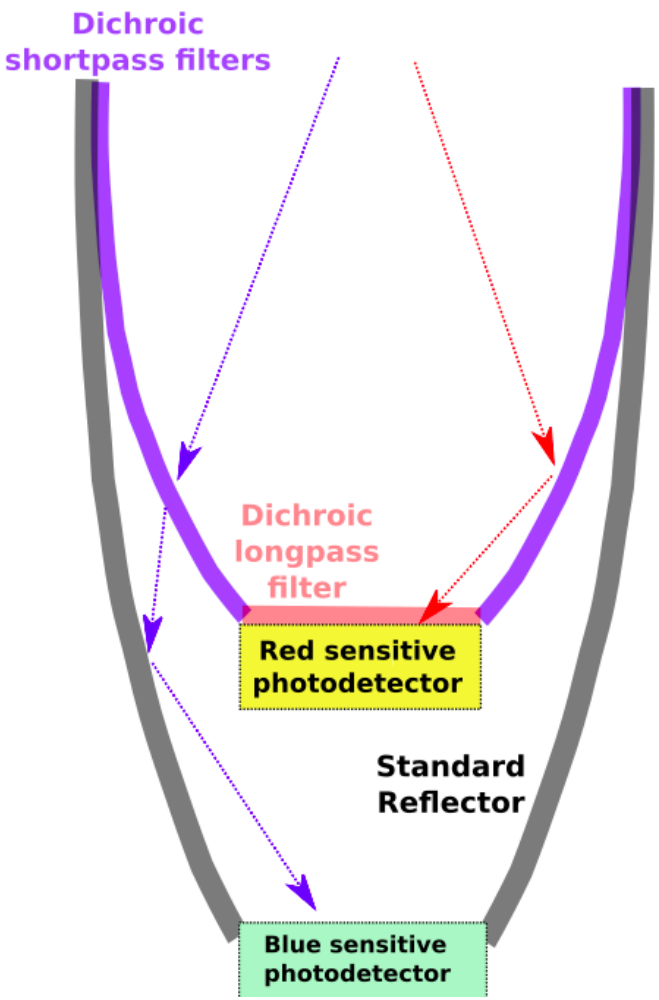

Achieve Cherenkov and scintillation separation while losing as few total photons as possible

T. Kaptanoglu et al., Phys. Rev. D 101, 072002

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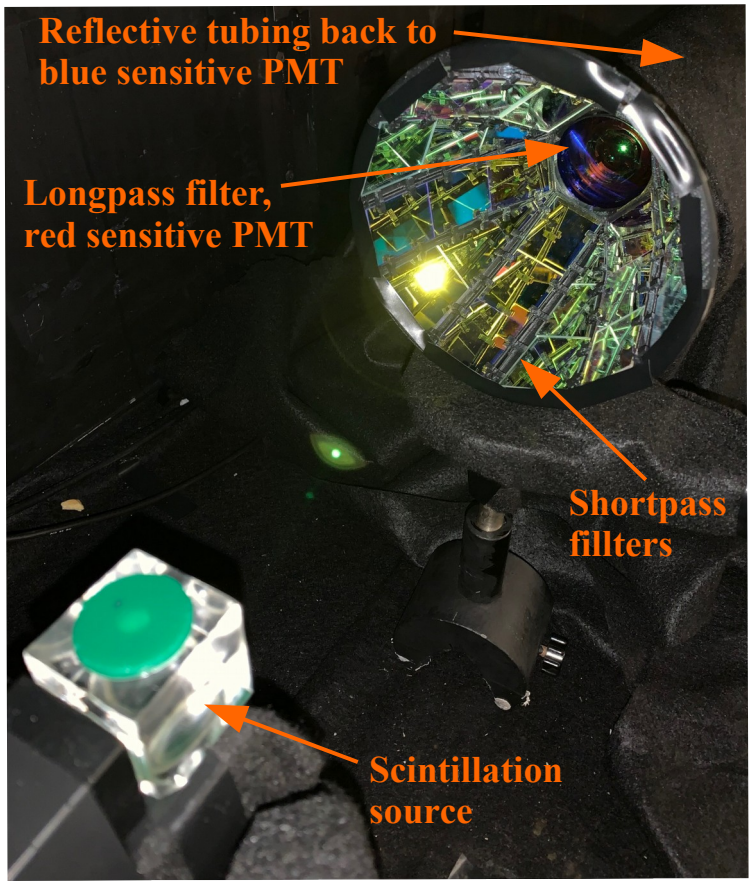

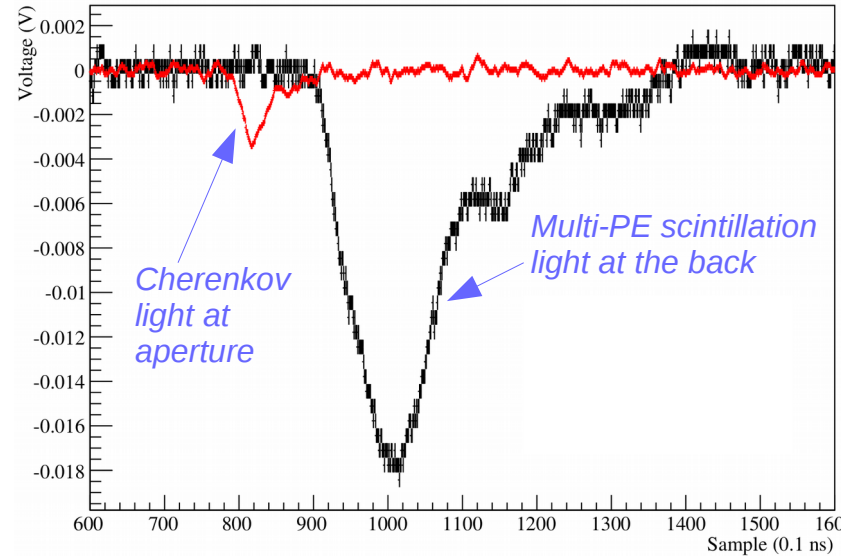

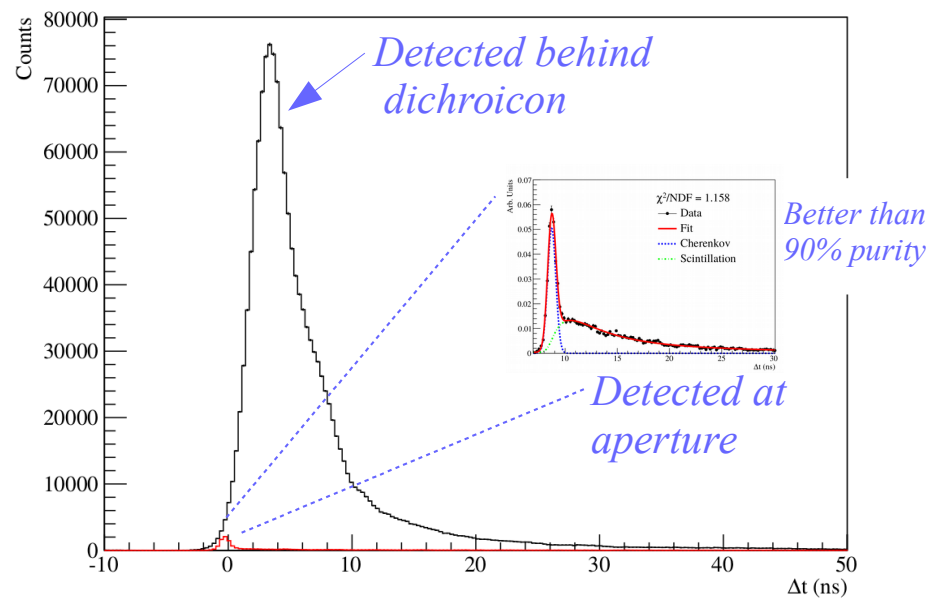

Simultaneous observation of Cherenkov and scintillation photons, sorted towards different PMTs, despite overwhelming scintillation light yield

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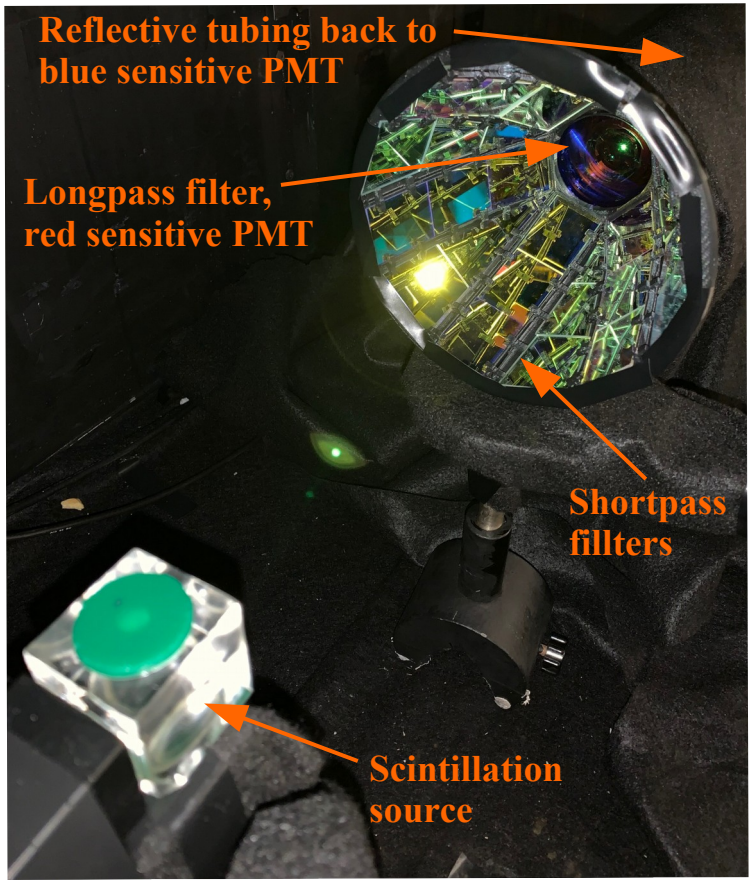

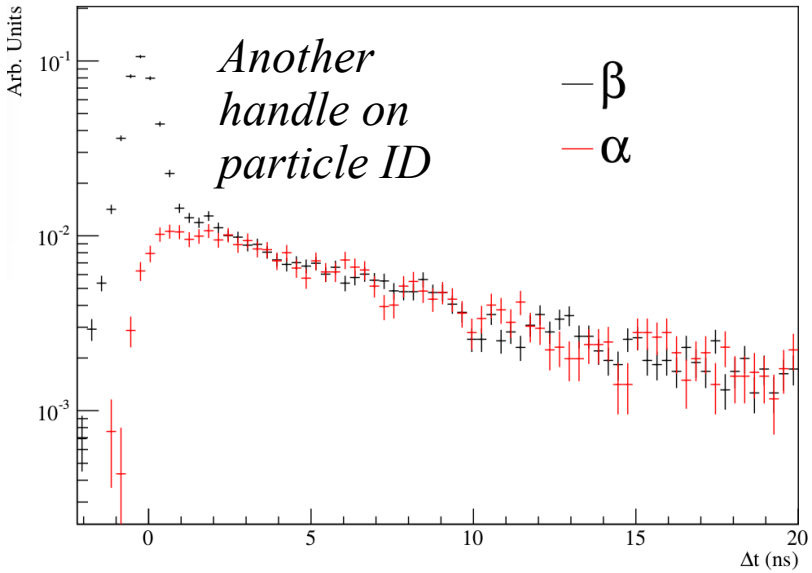

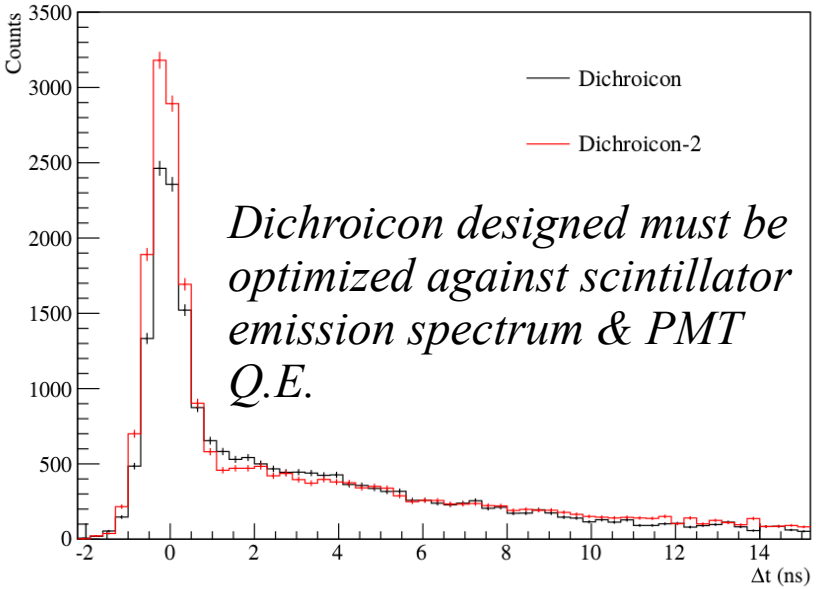

*Dichroicon provides **complementary** technology to fast photodetectors, slow fluors, "hybrid" scintillators, etc.*

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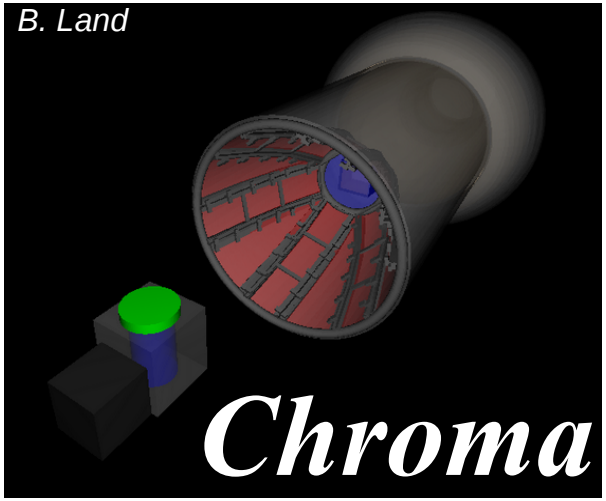
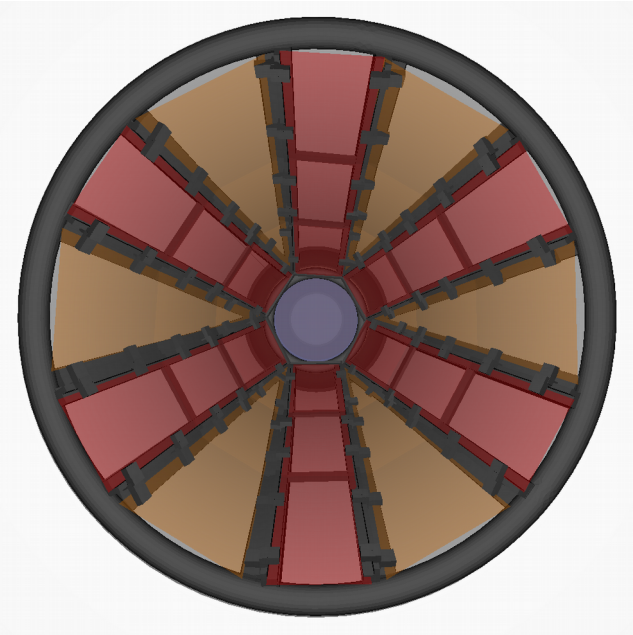
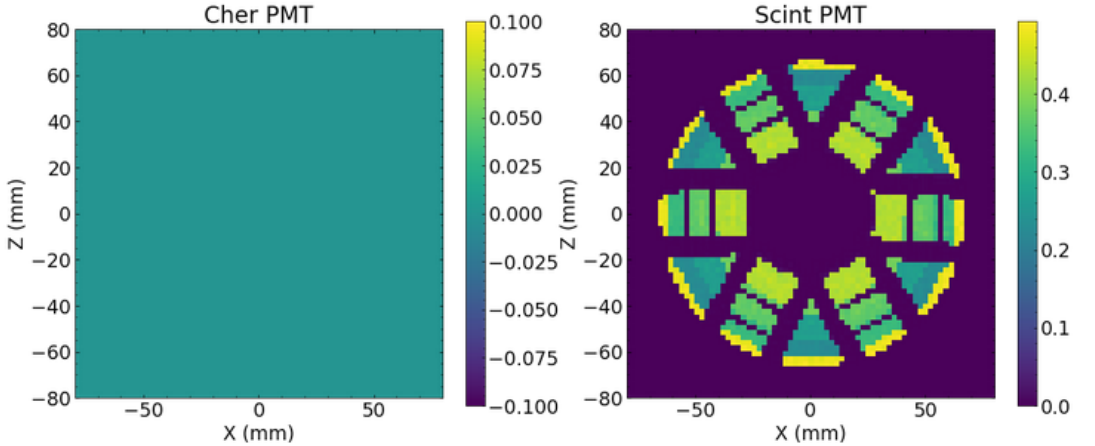
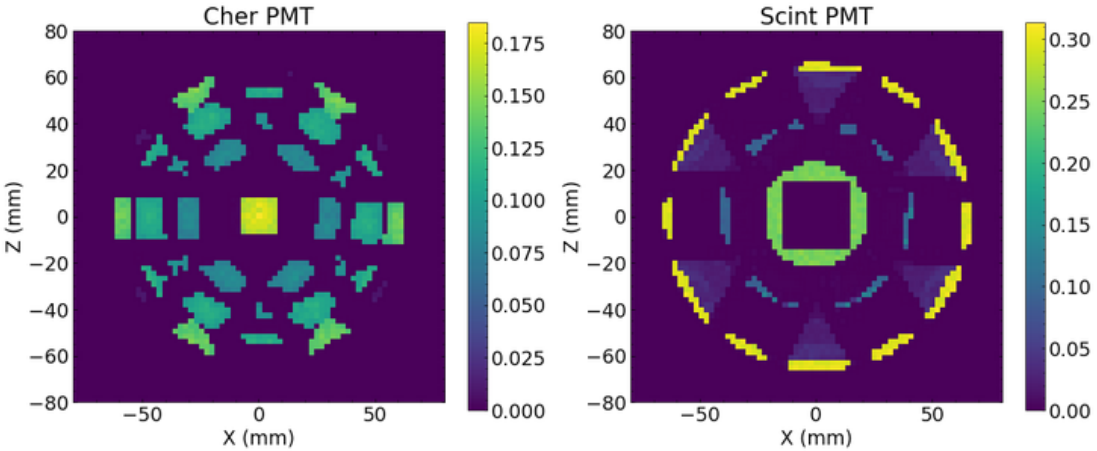
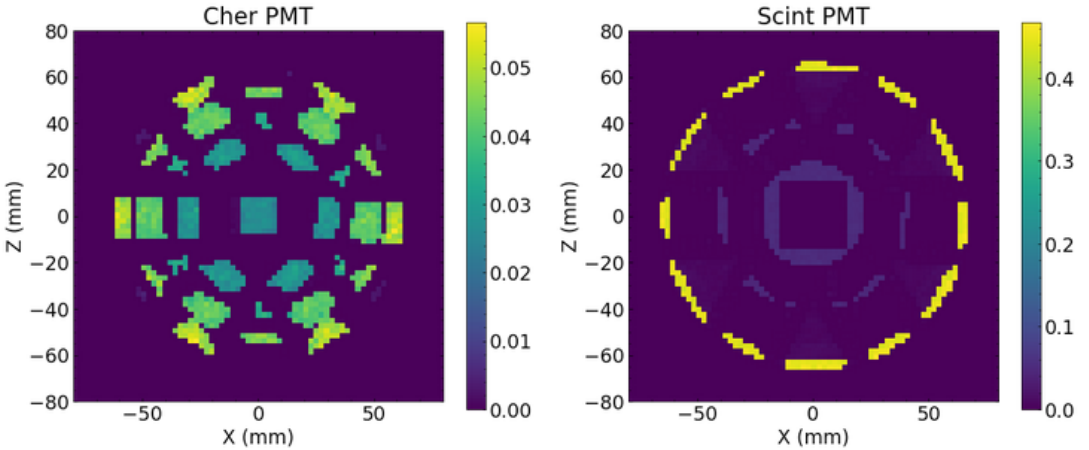






500 nm Photons



550 nm Photons