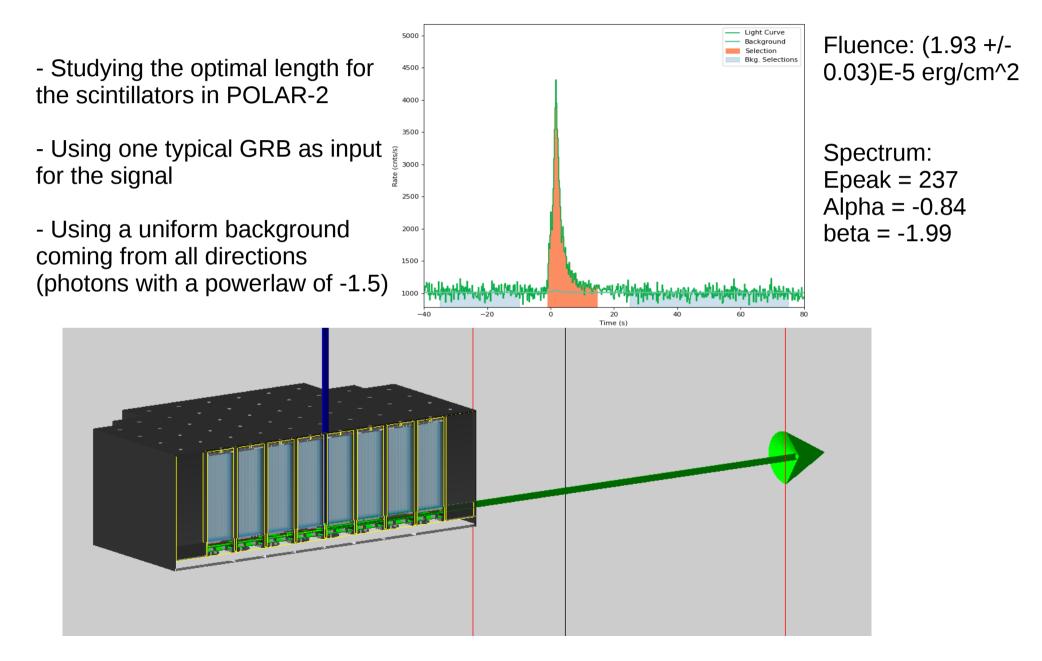
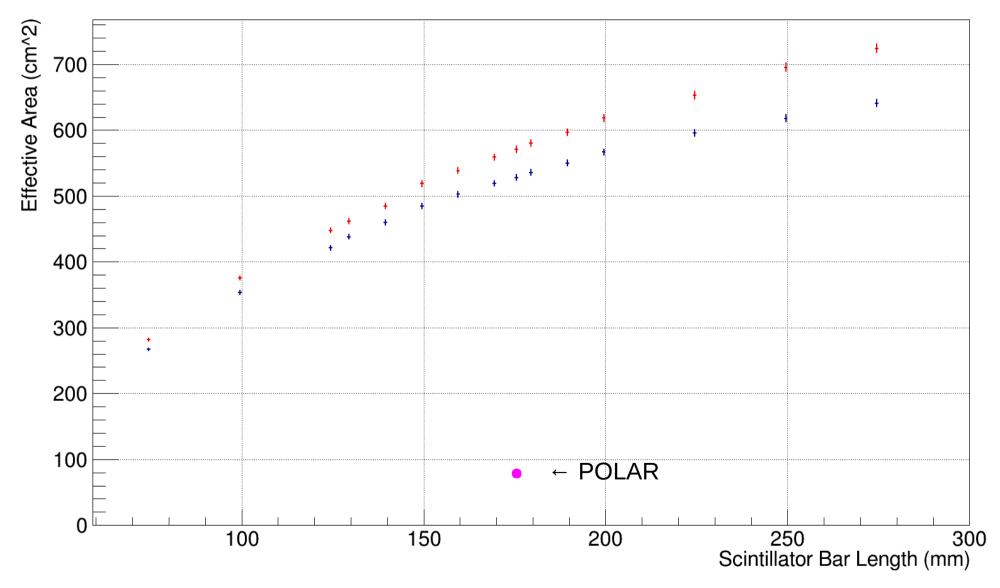
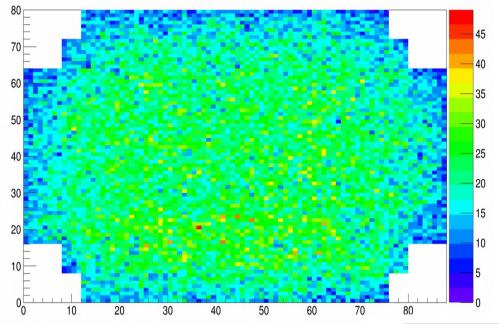
Scintillator Length Study

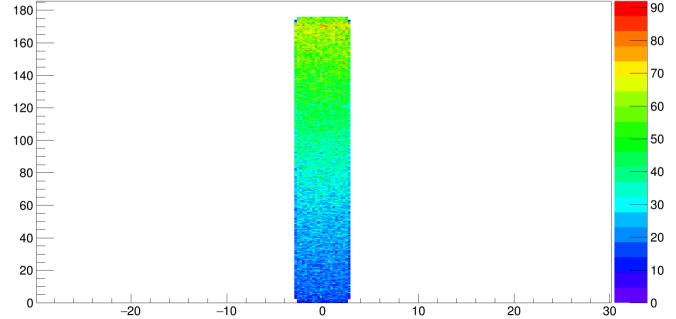


Signal for 2 different incoming angles

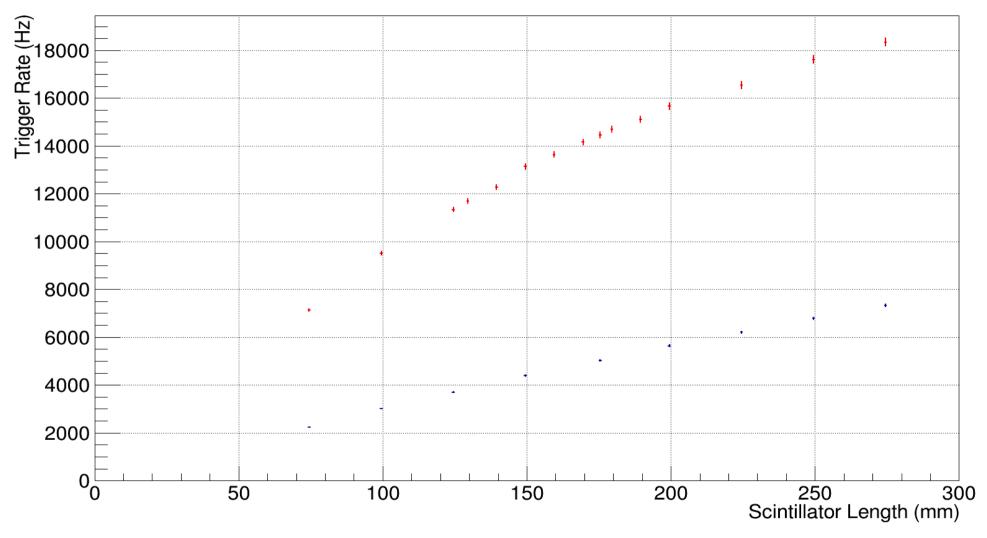


Hit distributions



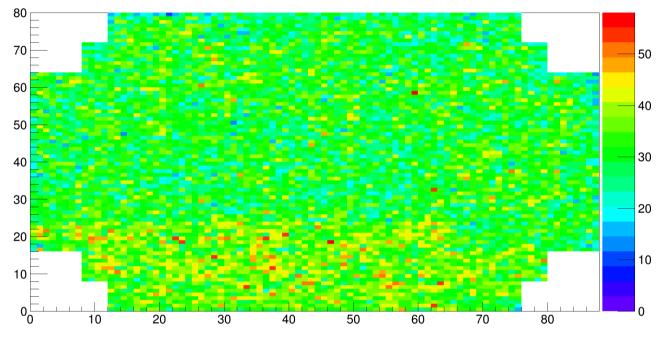


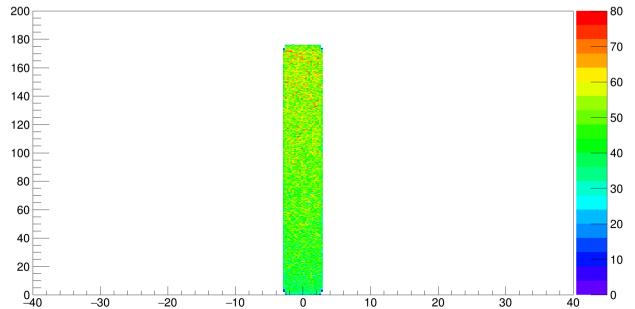
Background



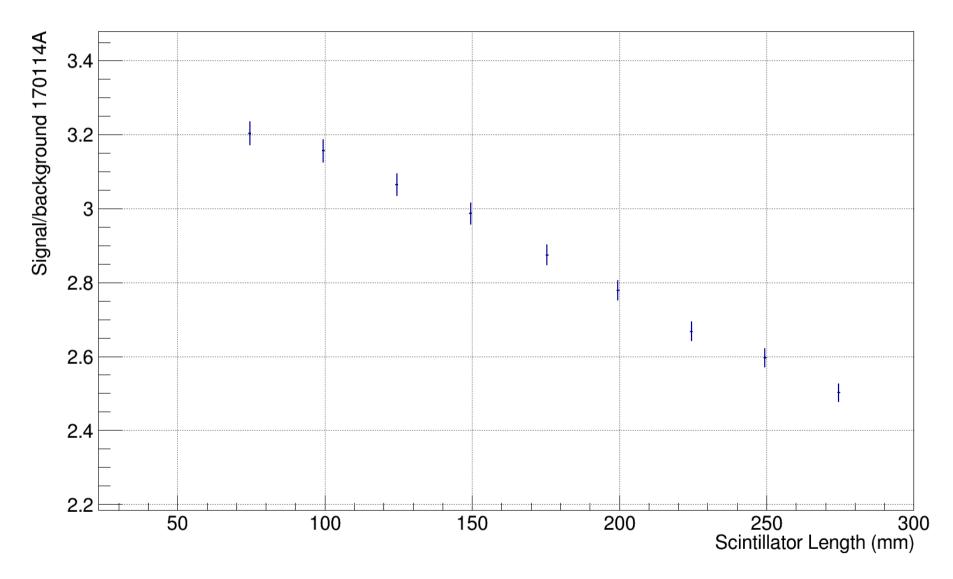
- Background normalized using rate measured in POLAR for this GRB + the number of counts for the same simulation with POLAR

Hit Distribution background





Signal / Background



Conclusions

- So far it seems shorter is better
- Adding the M100 to this process will only make this clearer...
- Calculating M100 requires some coding
- Will do additional studies to see if the incoming direction of the background really is that important
- Otherwise... we should go shorter with the bars!