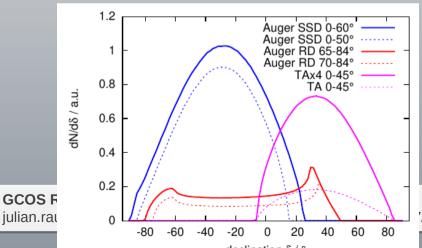
Considerations RD

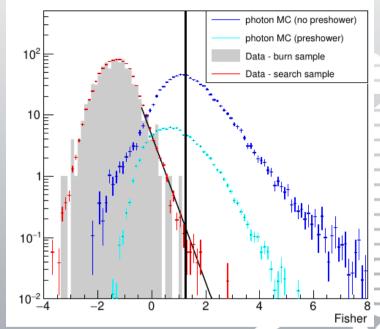
- Aperture for 60-85 deg small due to effective array size
- Horizontal trap for regular array, longitudinal shrinking with theta, lateral same
 - 2km grid gives directions with no signal except for line in direction of shower
 - irregular grid could reduce lateral holes



Example Photons

- SD analysis 30-60 deg
- RD 60-85 adds 30% aperture
- But 60-85 adds sky coverage
- In Addition, RD offers much better separation
- Expect in 30-60 deg x2 larger efficiency

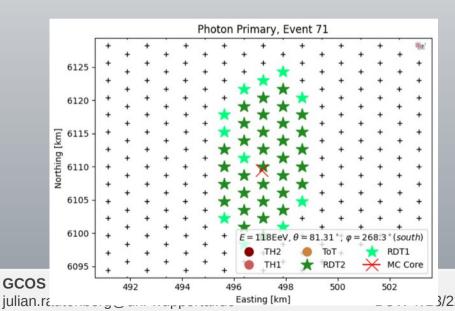


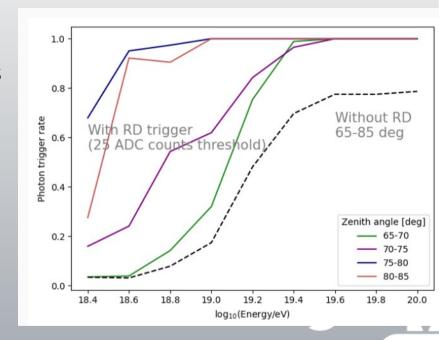




RD trigger

- RD-trigger means EM trigger
- Simple threshold with veto on many bins
- Very effective for RD, but also additional stations for hadrons



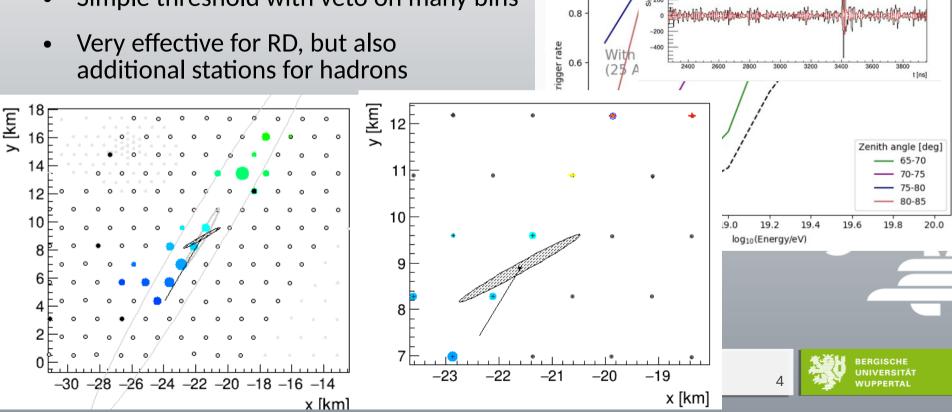




RD trigger

1.0

- RD-trigger means EM trigger
- Simple threshold with veto on many bins



Interference Analysis (Tim)

- Requires ns-synchronisation might be possible:
 - with future Galileo (Atmospheric corrections)
 - White-rabbit on WLAN
- Sensitivity on Xmax



Antenna Design (Frank)

- Age of precision measurement instead of high sensitivity discovery
 - Wide frequency band
 - easy calibration
 - low ground sensitivity
 - flat sensitivity
 - Small influence from manufacturing or alignment
 - Small sensitivity to environmental and anthroposophic thread

