Theta calculated in ICRS using astropy
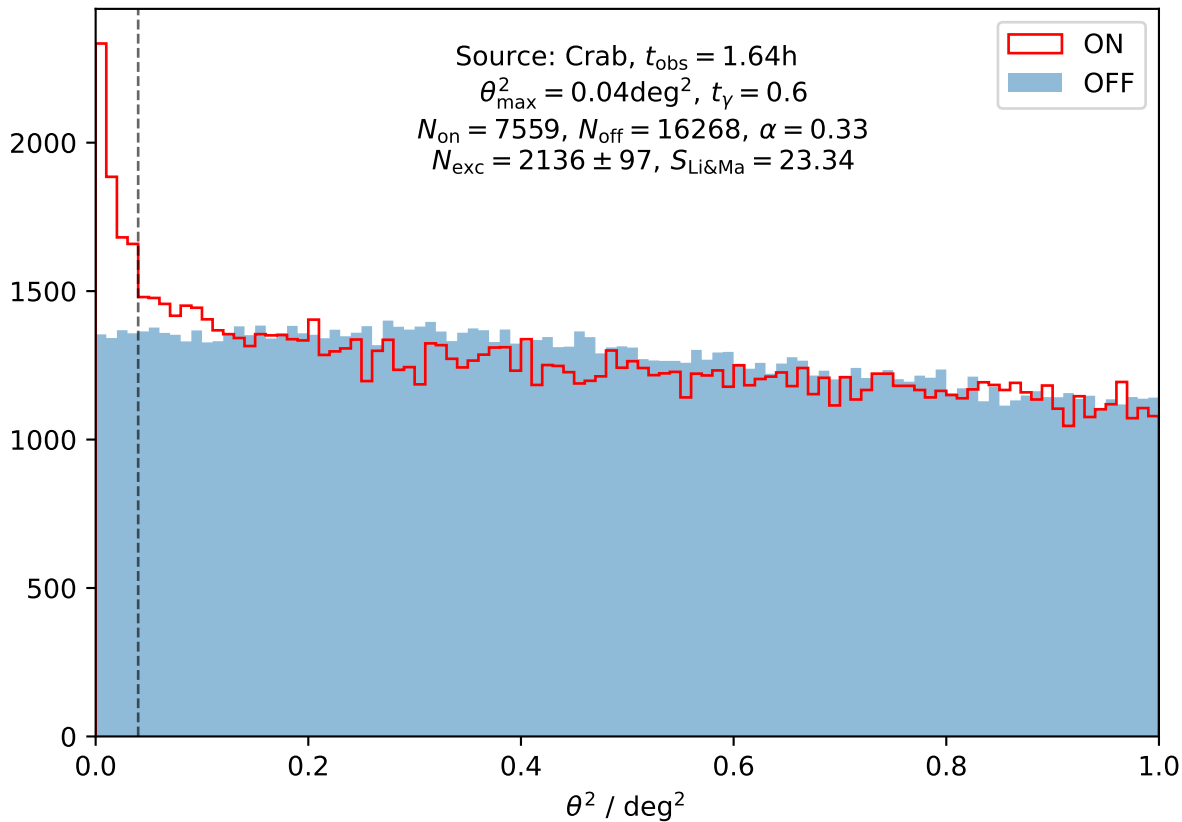
Source: Crab, $t_{obs} = 1.64$h
$\theta^2_{max} = 0.04 \deg^2$, $t_\gamma = 0.6$
$N_{on} = 7559$, $N_{off} = 16268$, $\alpha = 0.33$
$N_{exc} = 2136 \pm 97$, $S_{Li\&Ma} = 23.34$

ON
OFF

θ^2 / $\deg^2$

Energy-dependent t_γ optimised using pyirf

Source: Crab, $t_{obs} = 1.64h$
$\theta^2_{max} = 0.04deg^2$, $t_\gamma = energy - dependent$
$N_{on} = 1442$, $N_{off} = 2246$, $\alpha = 0.33$
$N_{exc} = 693 \pm 41$, $S_{Li\&Ma} = 18.82$

ON
OFF

θ^2 / deg^2

Energy-dependent t_γ and θ^2_{max} optimised using pyirf

Source: Crab, $t_{obs} = 1.64$h
$N_{on} = 1071$, $N_{off} = 1778$, $\alpha = 0.33$
$N_{exc} = 478 \pm 36$, $S_{Li\&Ma} = 14.84$

ON
OFF

θ^2 / deg^2
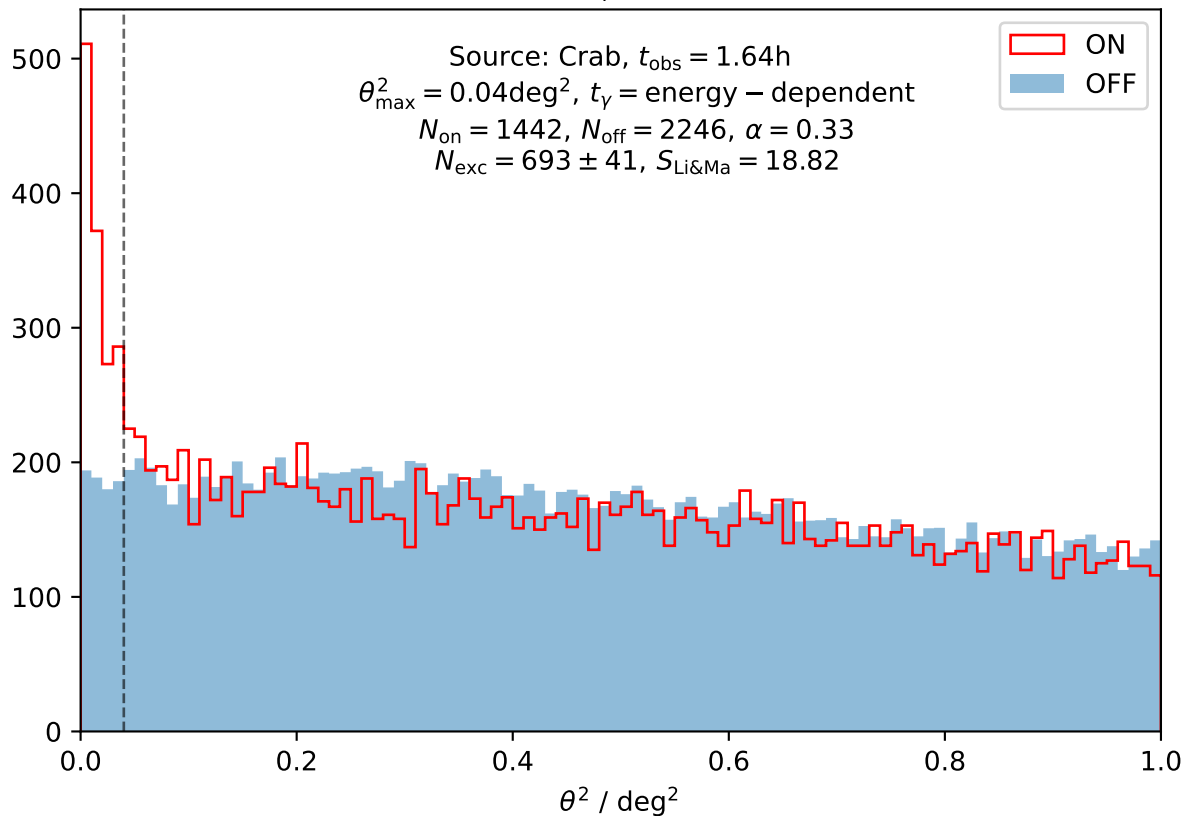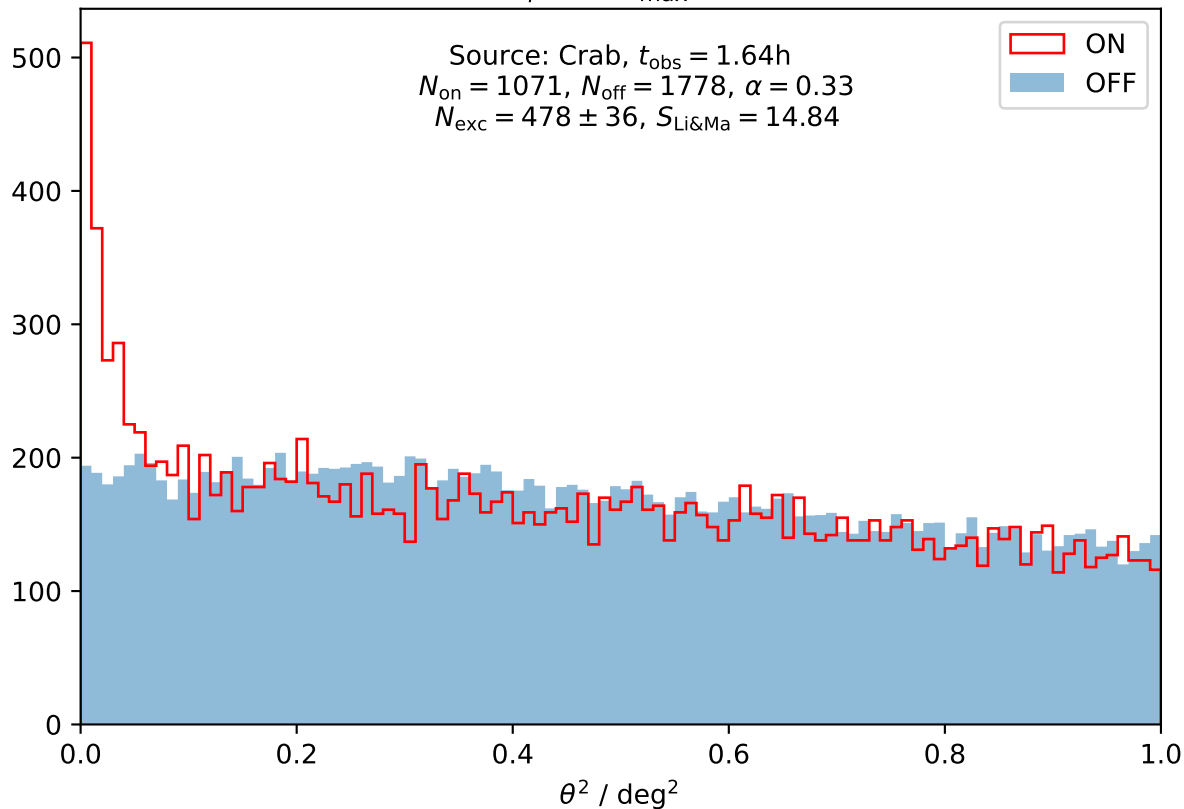
Minimal Flux Satisfying Requirements for 50 hours
(based on 1.64h of Crab observations)

Legend:
- pyirf optimised cuts
- $\theta^2 < 0.04$ and gh_score > 0.6
- MAGIC 2014

x-axis: Reconstructed energy / TeV

y-axis: $(E^2 \cdot \mathrm{FluxSensitivity})/(\frac{\mathrm{erg}}{\mathrm{s\,cm^2}})$