

Observation of HB21

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General Information

Properties of HB21

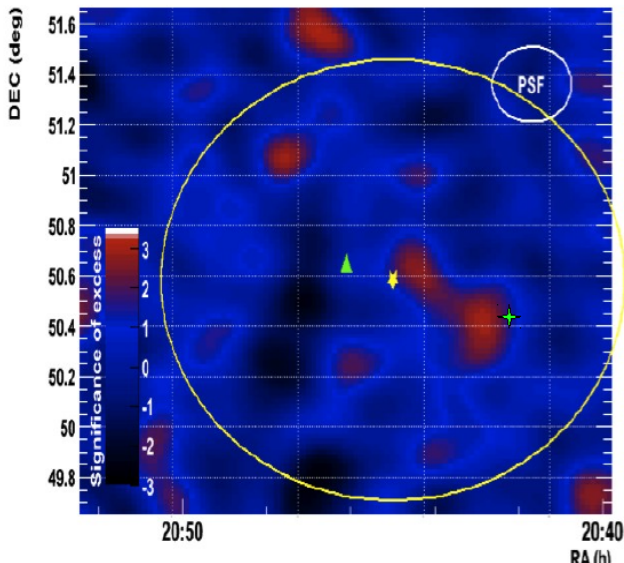
- mixed morphology SNR (shell and centrally peaked thermal x-ray)
- Distance: 0.8-1.7 kpc
- Age: 5-7 kyr
- Size: 120' X 90' (radio shell)
- Specials:
 - ▶ **SNR-MC interactions (shocked molecular clouds)**
 - ▶ **Fermi sources near by: 1FGL J2042.3+5041**

Observational Informations

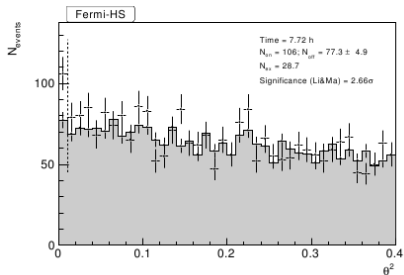
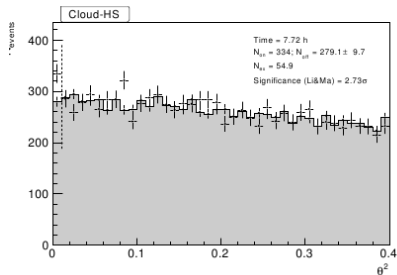
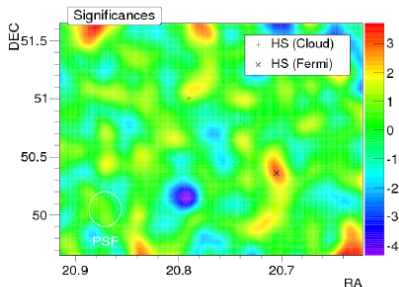
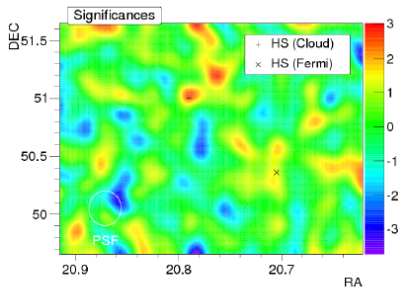
- min. zd: 23 degree
- visible: April to December
- best observation time: July to September
- **Proposed time: 15h +10h**

Previous Observations (8h Cycle IV)

hot spots $\approx 3\%Crab$



Previous Observations (8h Cycle IV)



Multiwavelength environment

- grey shadow:
radio continuum
(1420MHz)
- contour black:
CO J = 1-0
intensity
- contour red:
X-ray
- green star:
Fermi
- octagon:
MAGIC hot
spots

