ACDC run1

what we are learning

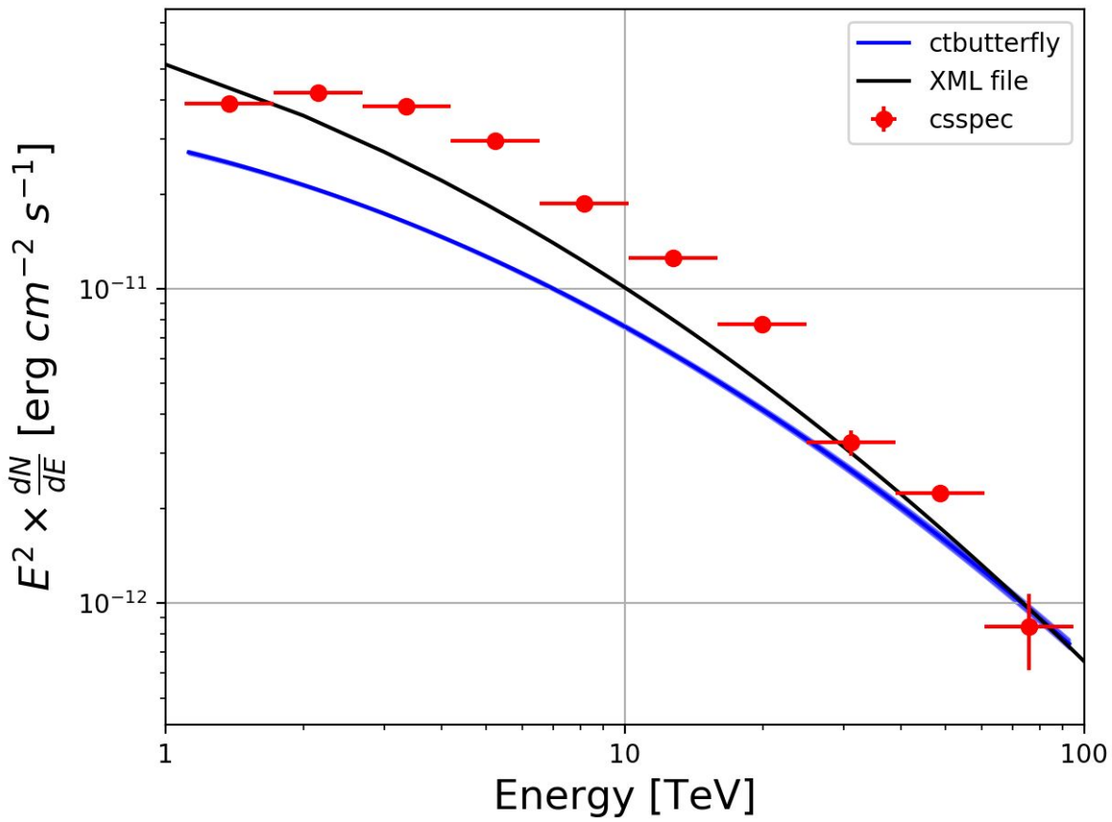
A.Giuliani , F.Pintore

and the Sgamati group

ACDC1: Energy dispersion

ACDC1 has been produced with the energy dispersion.

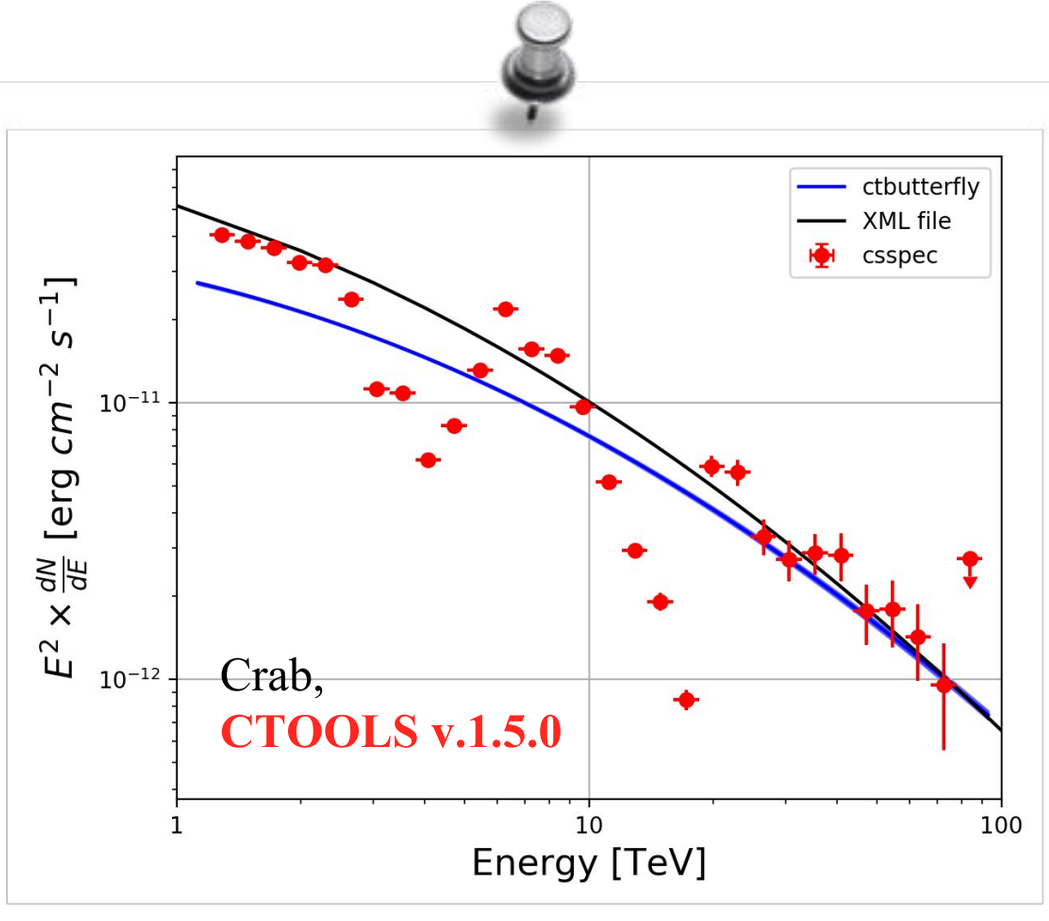
It has to be included in all the analyses.

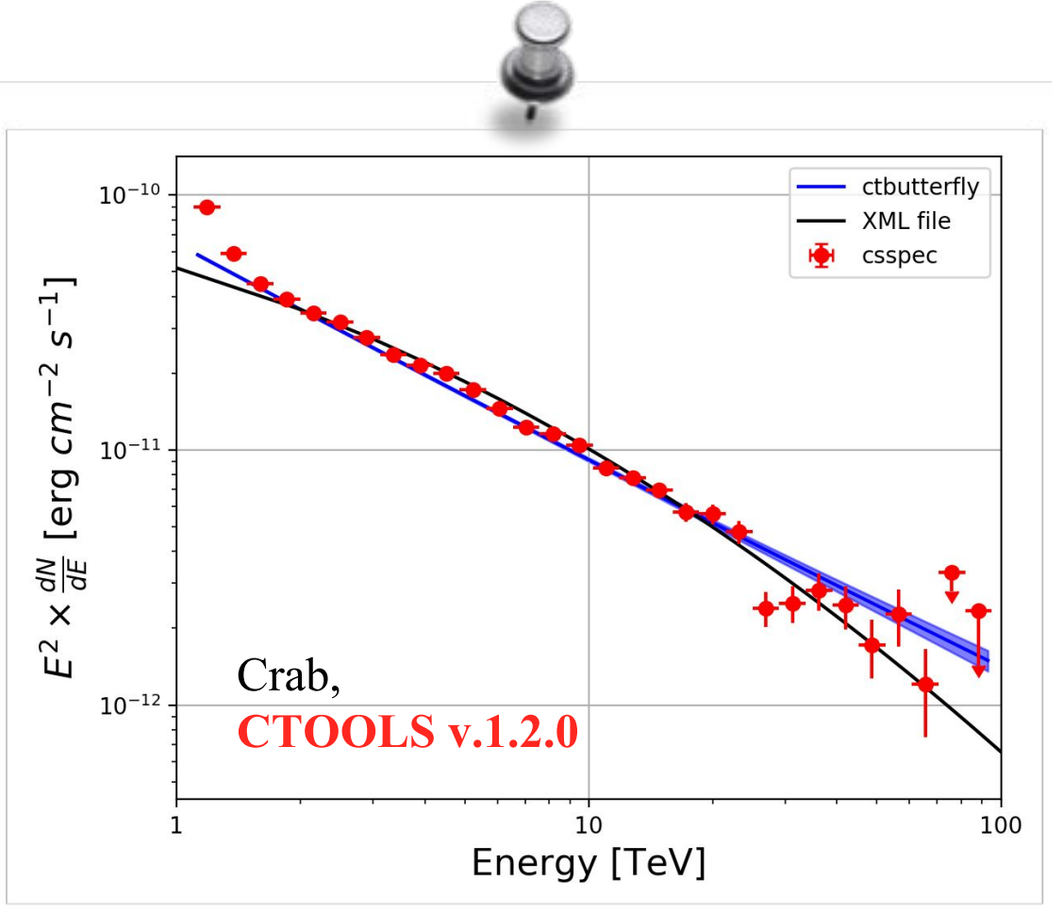


CTOOLS version

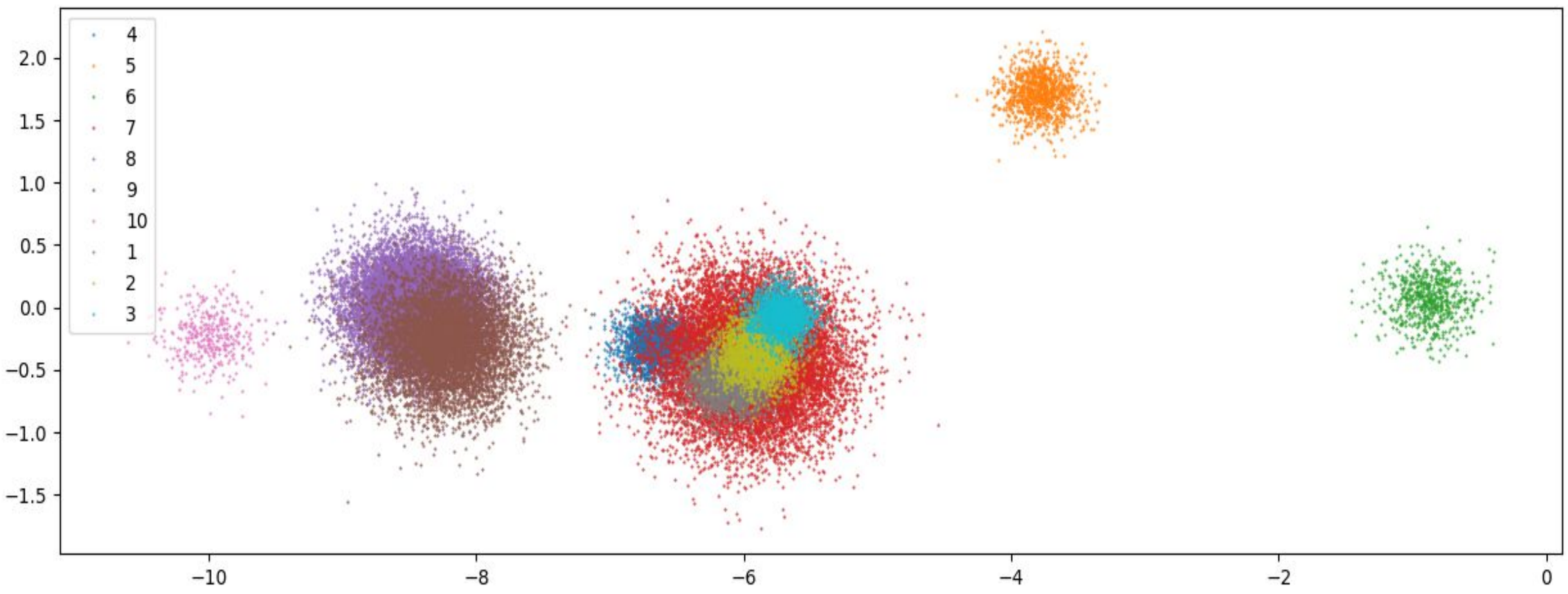
It is necessary to use the latest CTOOLS version (v. 1.5.2);

Binned vs Unbinned analysis;

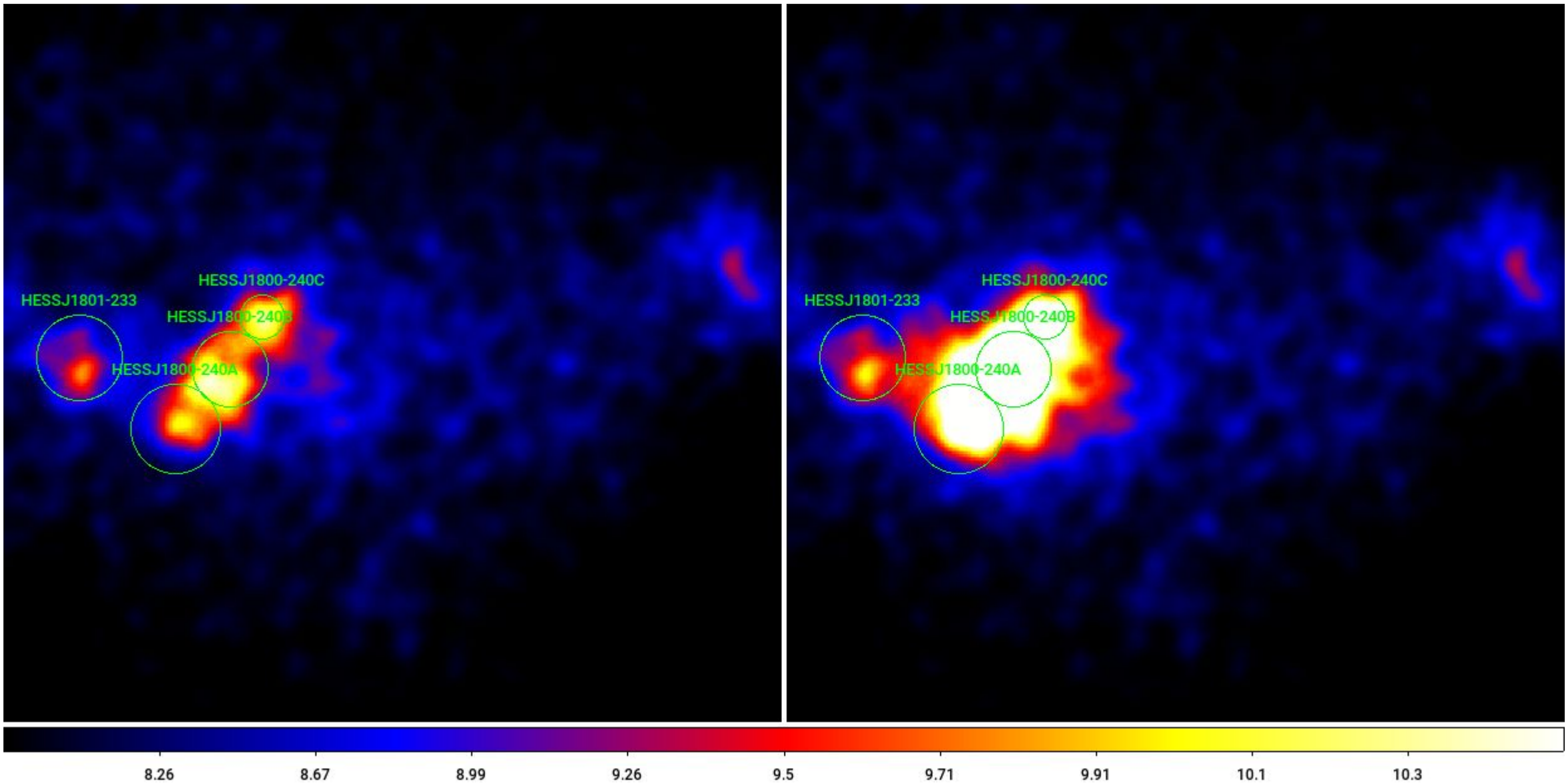




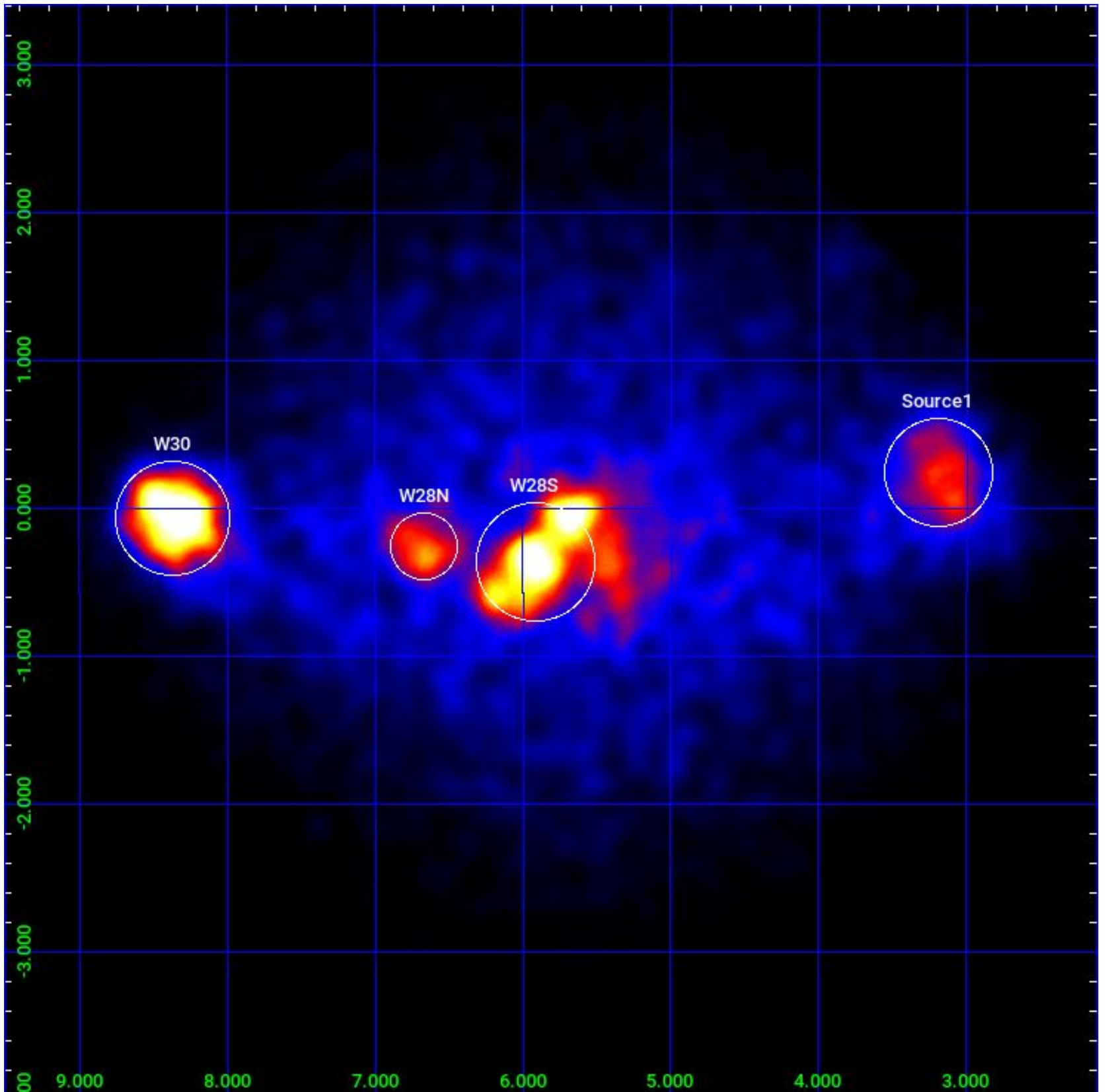
Acdc - fixing some data bug



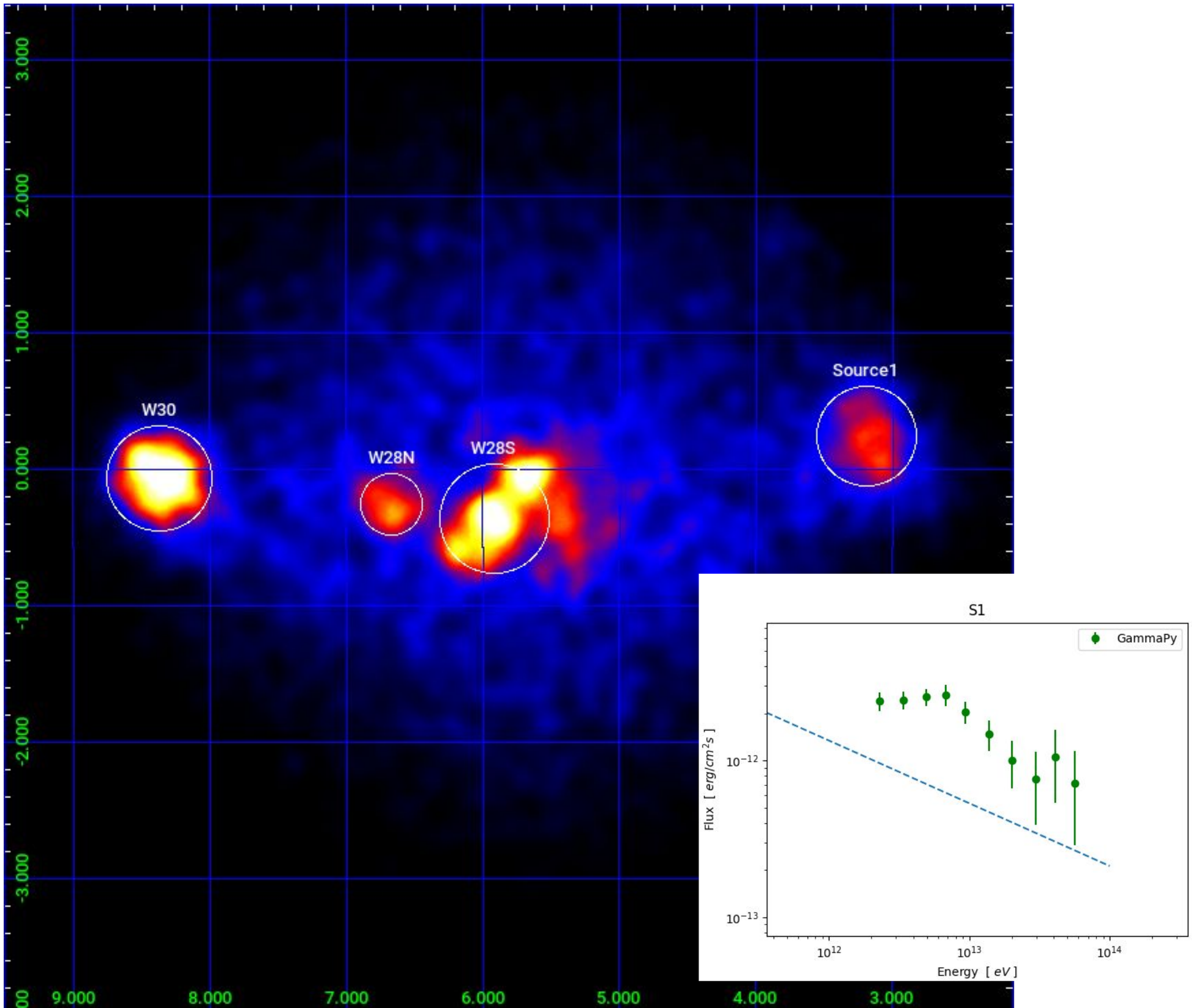
Acdc


HESSJ1800-240C
HESSJ1801-233
HESSJ1800-240B
HESSJ1800-240A
HESSJ1800-240C
HESSJ1801-233
HESSJ1800-240B
HESSJ1800-240A
8.26
8.67
8.99
9.26
9.5
9.71
9.91
10.1
10.3

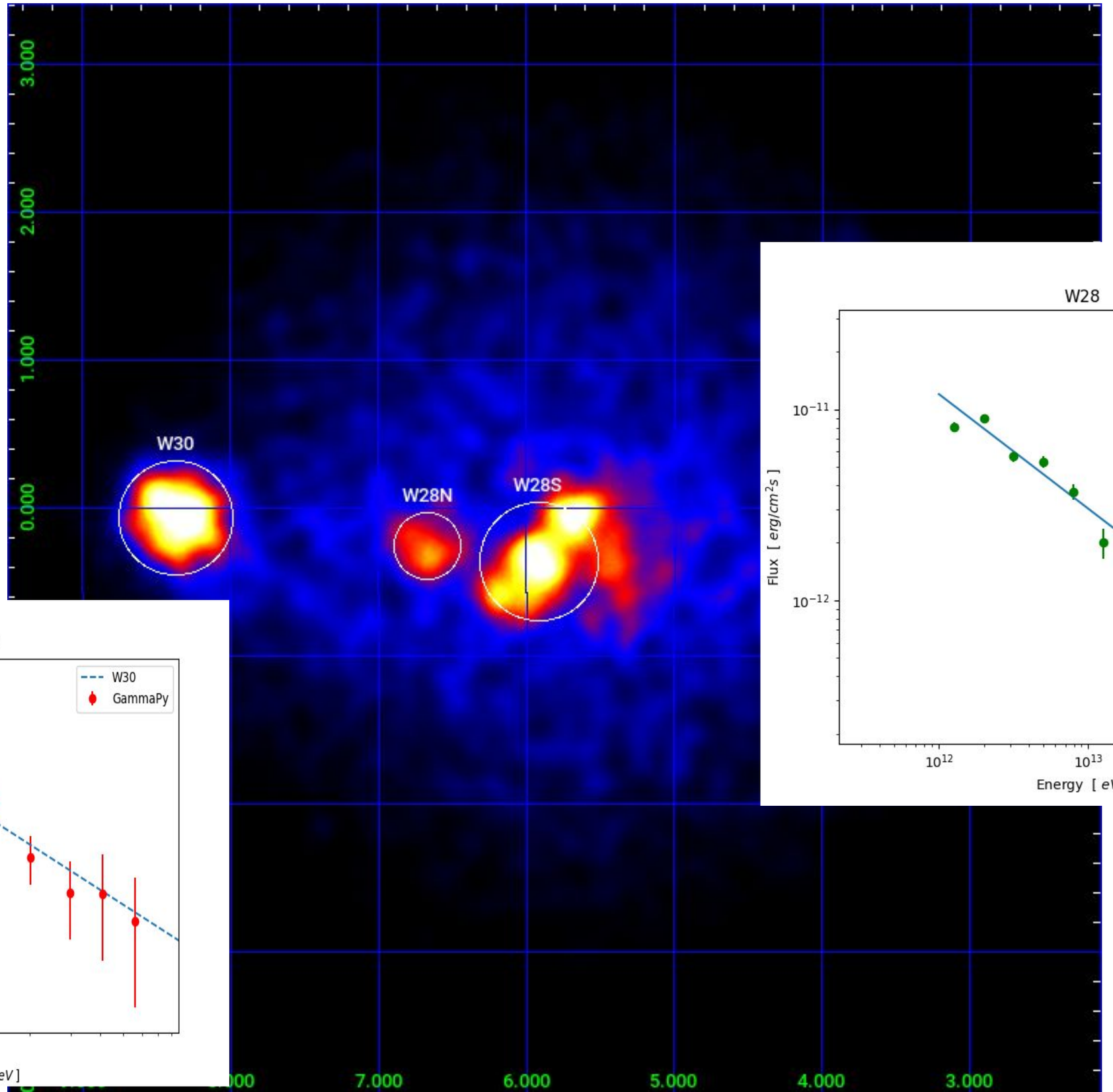
Acdc - Field 12 (with GammaPy)

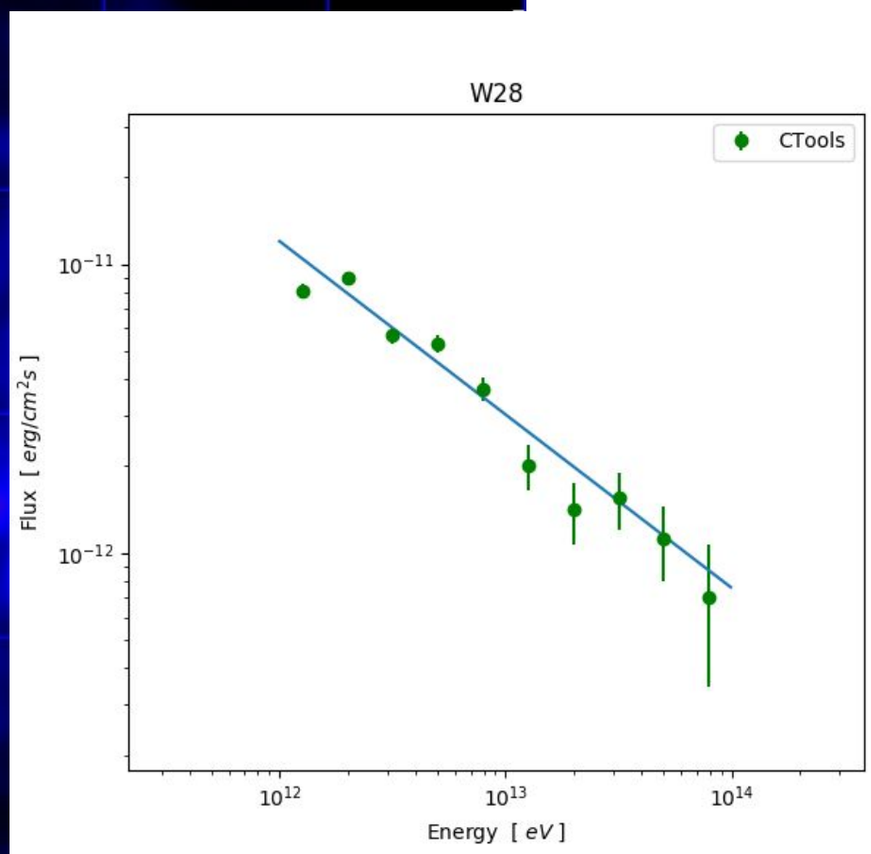


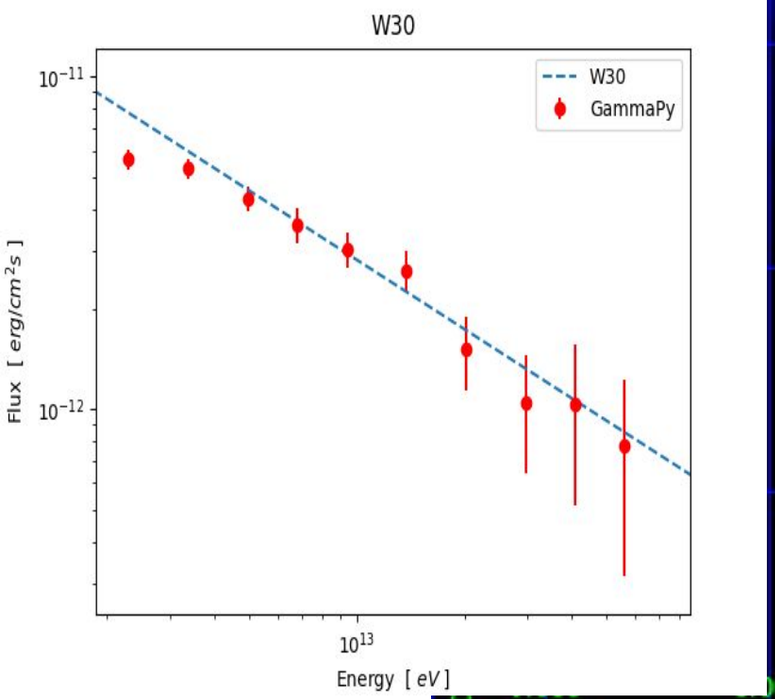
Acdc - Field 12



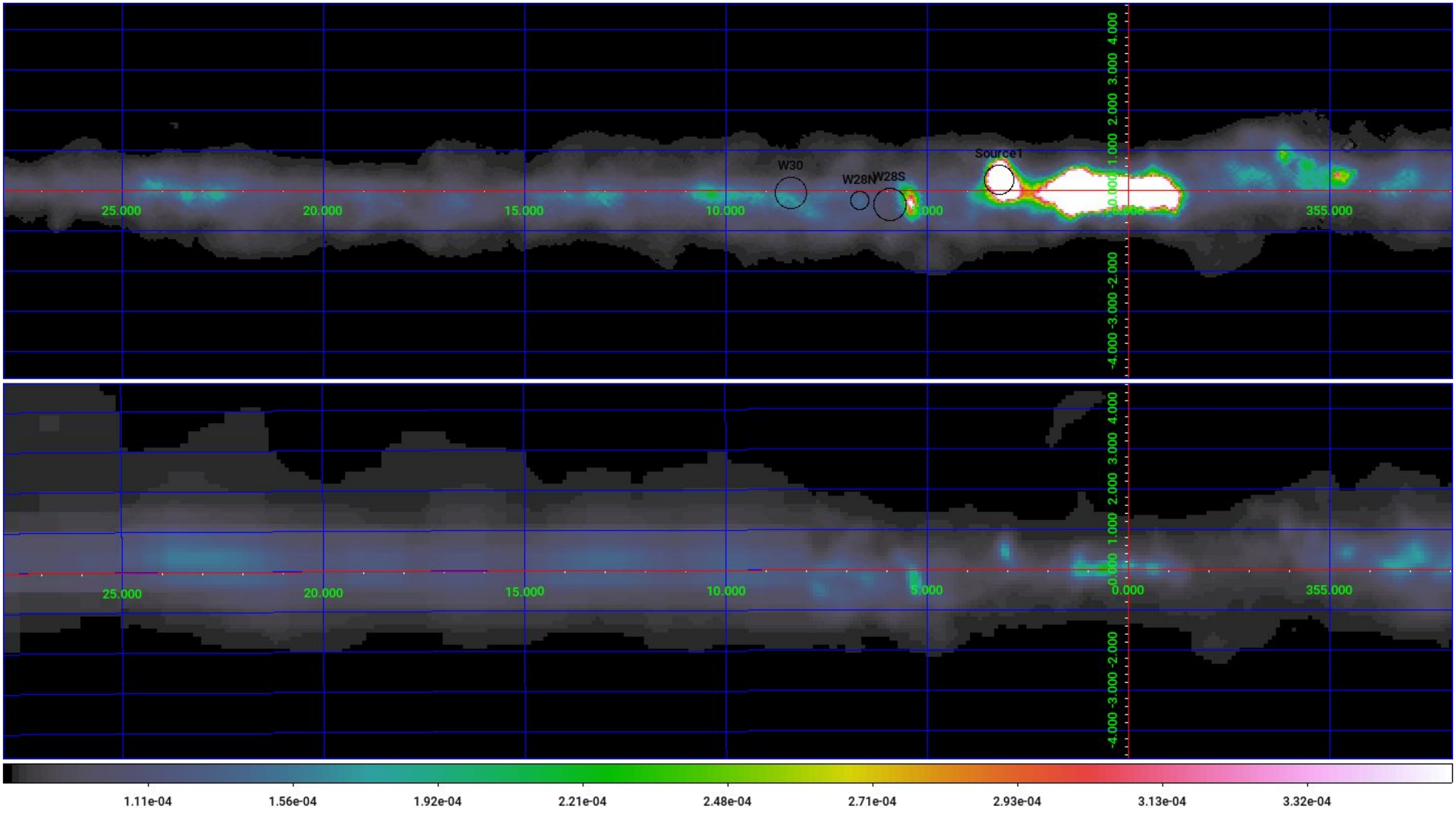
Acdc - Field 12







Acdc


W30
W28N
W28S
Source1
25.000
20.000
15.000
10.000
5.000
0.000
355.000
4.000
3.000
2.000
1.000
0.000
-2.000
-3.000
-4.000
1.11e-04
1.56e-04
1.92e-04
2.21e-04
2.48e-04
2.71e-04
2.93e-04
3.13e-04
3.32e-04

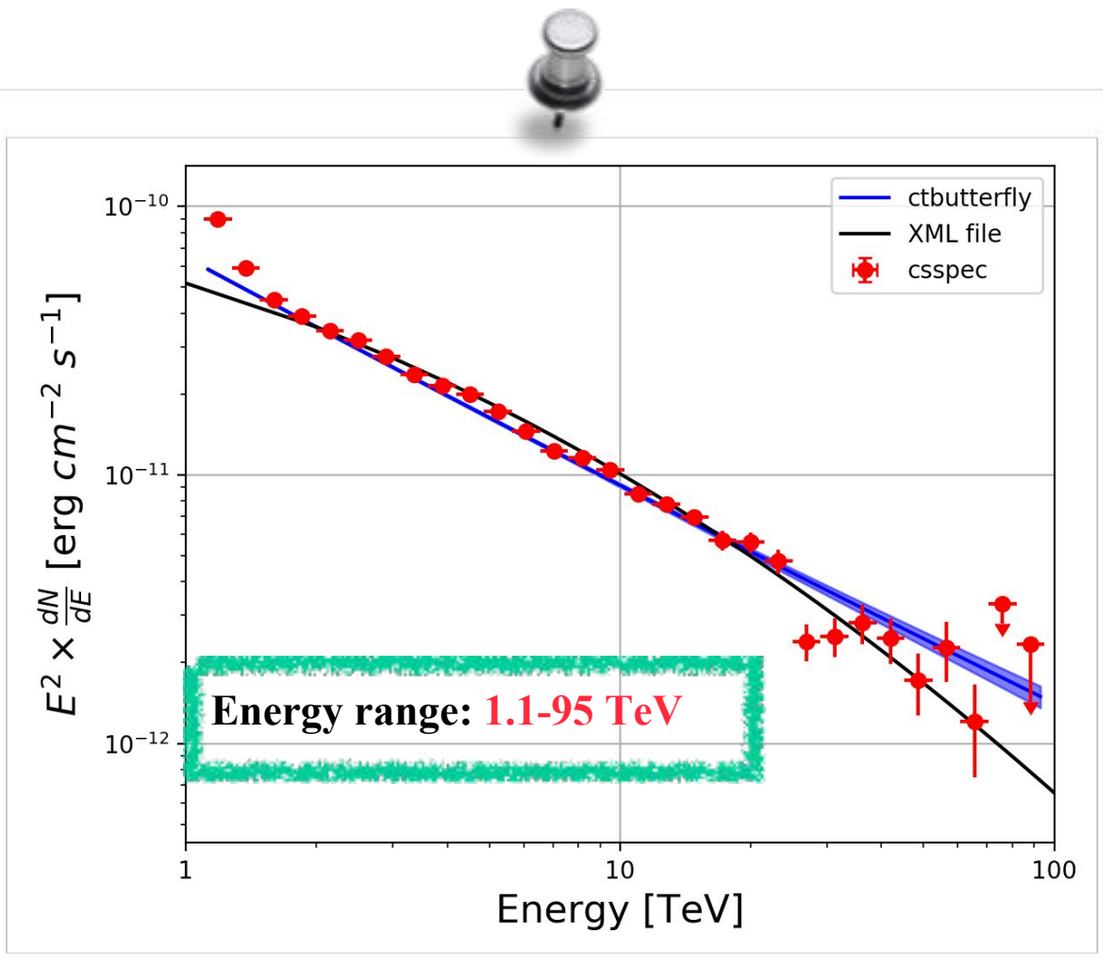
CTOOLS (v1.5.2): Binned analysis

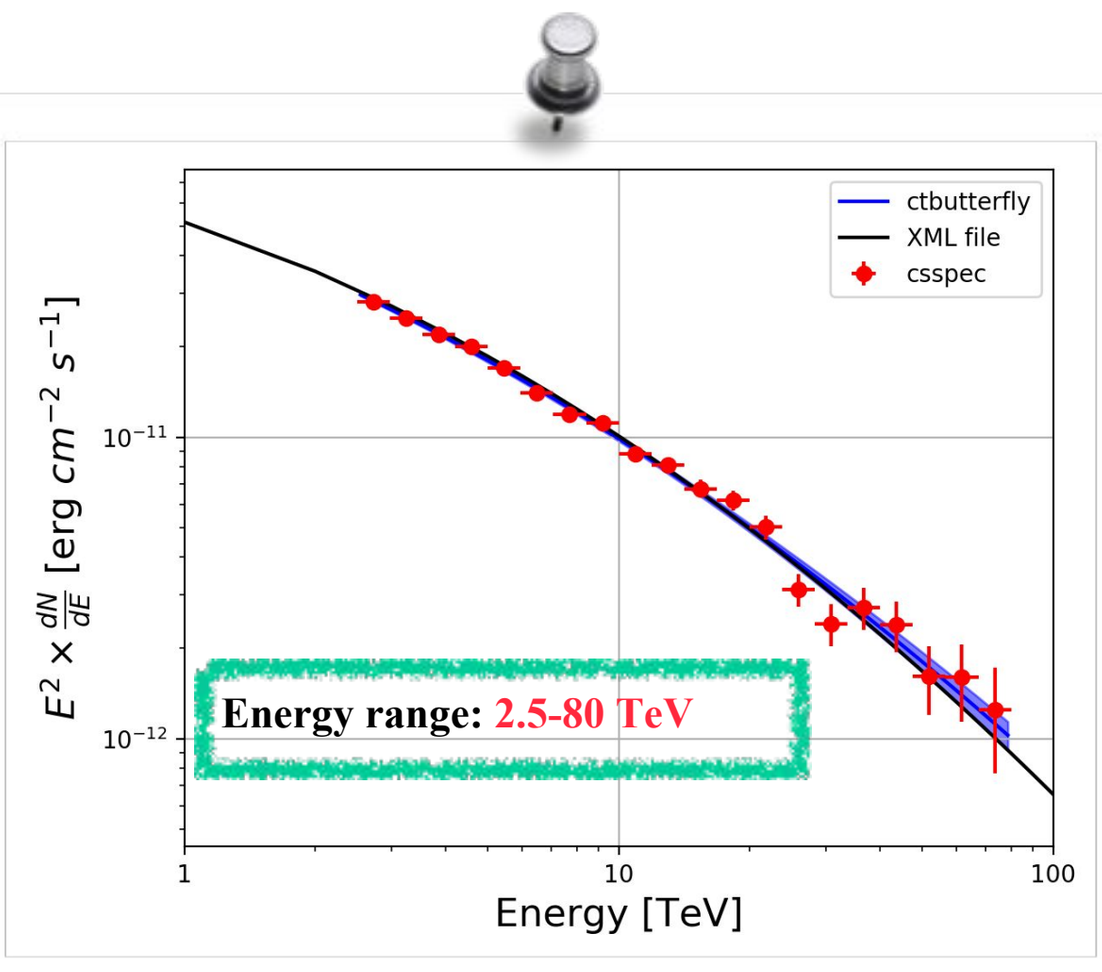
CTBIN:
20 energy bins, map size: 1.0 deg (0.05 deg x 20 pix);

CTPSFCUBE and CTEDISPCYBE:
20 energy bins;

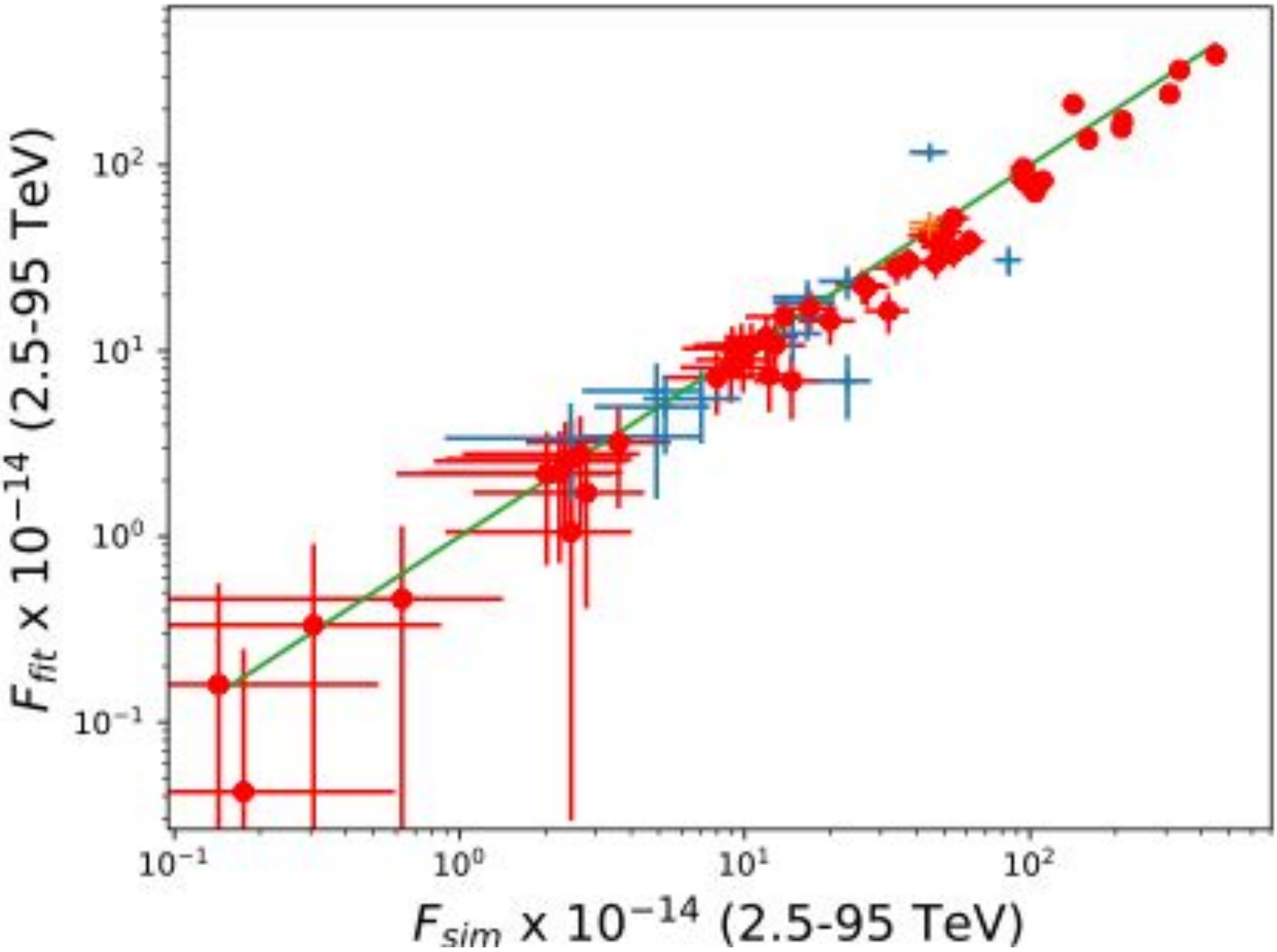
CTLIKE:
edisp=yes

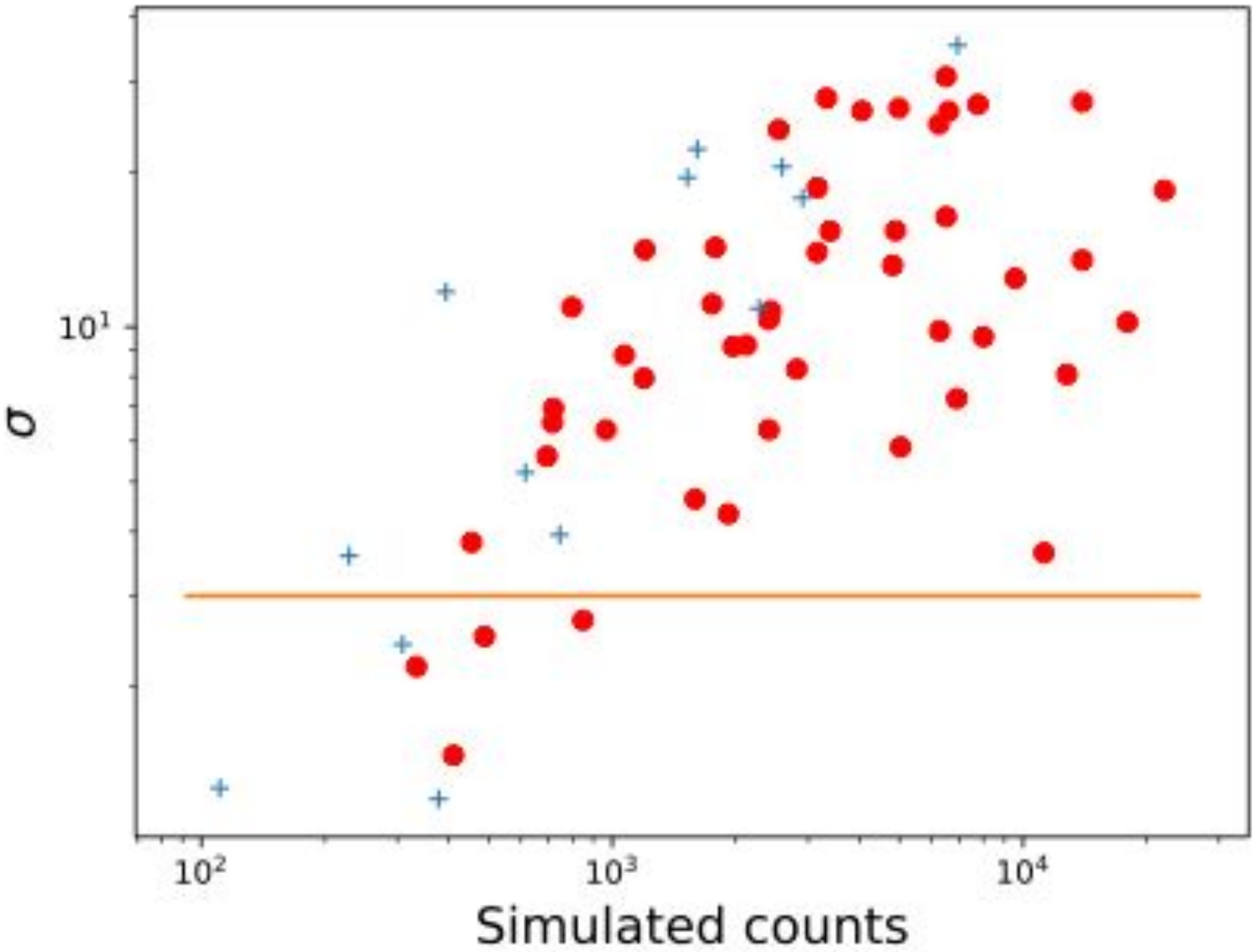
CSSPEC edisp=yes:
slice;



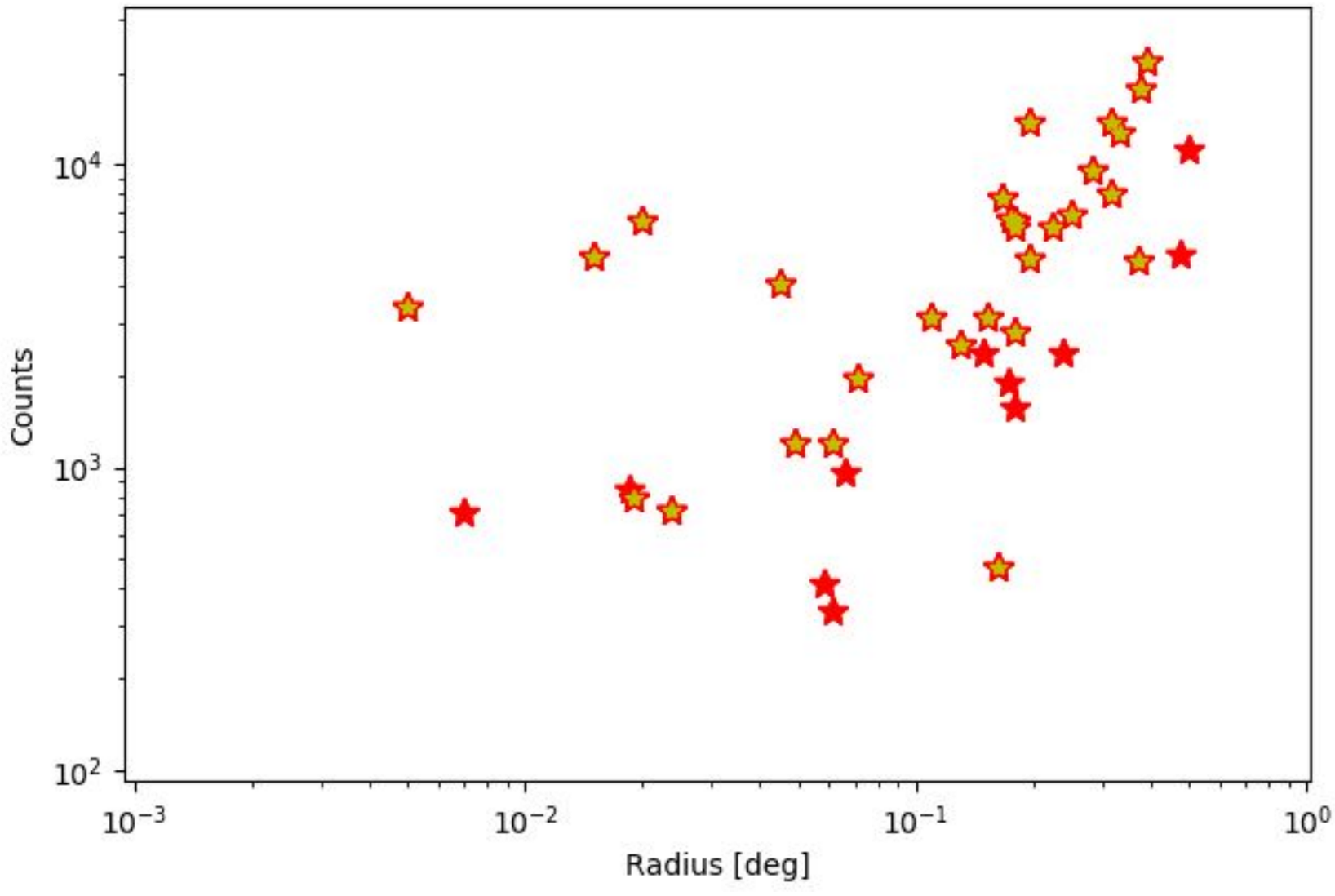
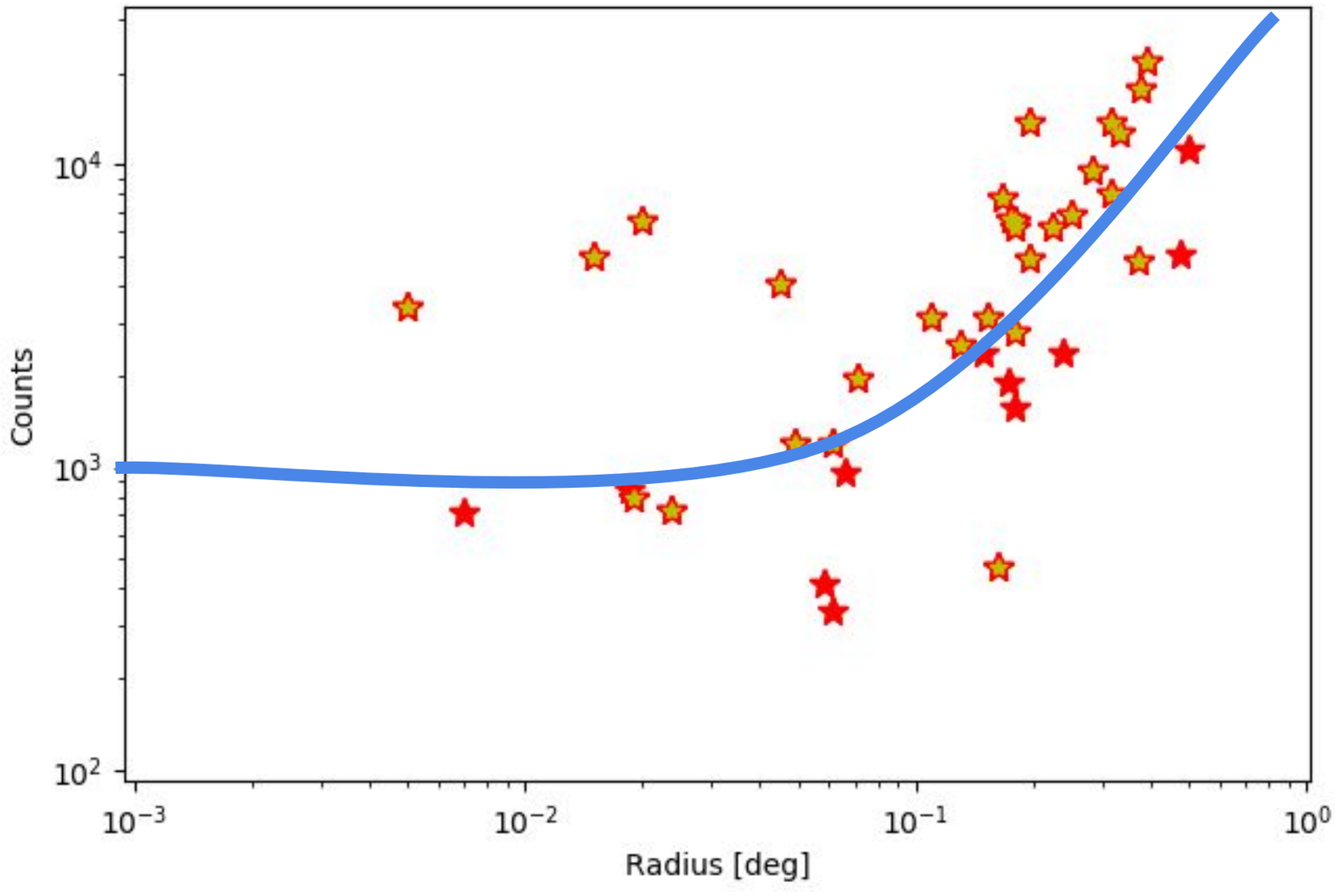


- ~70 sources (point-like, extended)
- most of them are detected




10^1
σ
10^2
10^3
10^4
Simulated counts

Sensitivity vs size



Sensitivity vs size