

Table 3. Analysis of the twelve extended sources included in 2FGL

Name	GLON (deg.)	GLAT (deg.)	σ (deg.)	TS	TS _{ext}	Pos Err (deg.)	Flux ^(a)	Index
E>1 GeV								
SMC	302.59	-44.42	$1.32 \pm 0.15 \pm 0.31$	95.0	52.9	0.14	2.7 ± 0.3	2.48 ± 0.19
LMC	279.26	-32.31	$1.37 \pm 0.04 \pm 0.11$	1127.9	909.9	0.04	13.6 ± 0.6	2.43 ± 0.06
IC443	189.05	3.04	$0.35 \pm 0.01 \pm 0.04$	10692.9	554.4	0.01	62.4 ± 1.1	2.22 ± 0.02
Vela X	263.34	-3.11	0.88					
Centaurus A	309.52	19.42	~ 10					
W28	6.50	-0.27	$0.42 \pm 0.02 \pm 0.05$	1330.8	163.8	0.01	56.5 ± 1.8	2.60 ± 0.03
W30	8.61	-0.20	$0.34 \pm 0.02 \pm 0.02$	464.8	76.0	0.02	29.1 ± 1.5	2.56 ± 0.05
W44	34.69	-0.39	$0.35 \pm 0.02 \pm 0.02$	1917.0	224.8	0.01	71.2 ± 0.5	2.66 ± 0.00
W51C	49.12	-0.45	$0.27 \pm 0.02 \pm 0.04$	1823.4	118.9	0.01	37.2 ± 1.3	2.34 ± 0.03
Cygnus Loop	74.21	-8.48	$1.71 \pm 0.05 \pm 0.06$	357.9	246.0	0.06	11.4 ± 0.7	2.50 ± 0.10
E>10 GeV								
MSH15–52	320.39	-1.22	$0.21 \pm 0.04 \pm 0.04$	76.3	6.6	0.03	0.6 ± 0.1	2.20 ± 0.22
HESS J1825–137	17.57	-0.45	$0.65 \pm 0.04 \pm 0.02$	82.9	44.9	0.05	1.8 ± 0.8	1.83 ± 0.73

^(a)Integral Flux in units of 10^{-9} ph cm⁻² s⁻¹ and integrated in the fit energy range (either 1 GeV to 100 GeV or 10 GeV to 100 GeV).

Note. — All sources were fit using a spatial model assuming a uniform radially symmetric intensity distribution. GLON and GLAT are Galactic longitude and latitude of the best fit extended source respectively. The first error on σ is statistical and the second is systematic (see Section 8). The errors on the integral fluxes and the spectral indices are statistical only. Pos Err is the error on the position of the source. Vela X and the Centaurus A Lobes were not fit in our analysis but are include for completeness.