Blazar Targets for INTEGRAL AO2 TOO Proposal

Source Name	RA (2000)	Dec (2000)	V^a	z	Reference[b]
1RXS J001827.8+29473	00 18 27.9	+29 47 30	18.5	0.1	RXS
1RXS J003334.6-19213	00 33 34.6	-19 21 30	16.1	-	RXS
PKS 0048-097	00 50 41.32	-09 29 05	16.5-14.5	-	opt., 1 Jy
RBS 161	01 10 50.0	-12 54 54	17.4	0.234	RXS
GC 0109+224	01 12 05.8	+22 44 39	16.2-13.3	-	opt.
PKS 0118-272	01 20 31.66	-27 01 25	15.6	0.559	1 Jy, IT88
1ES 0120+340	01 23 08.5	+34 20 48	15.2	0.272	ASM, RXS, opt.
1RXS J012338.2-23110	01 23 38.2	-23 11 00	18.7	0.404	RXS
MS 0122.1+0903	01 24 44.2	+09 19 02	20.0	0.339	EMSS
B3 0133+388	01 36 32.77	+39 06 00	15.4	-	RXS
1RXS J014040.9-07585	01 40 41.0	-07 58 50	18.3	-	RXS
PKS 0138-097	01 41 25.83	-09 28 44	18.2-16.6	0.44	1 Jy, IT88
1ES 0145+138	01 48 29.8	+14 02 19	-	0.125	ASM
MS 0158+00.3	02 01 06.1	+00 34 00	18.0	0.299	EMSS
4C 15.05	02 04 50.41	+15 14 11	21.9	0.405	EGRET
MS 0205+35.1	02 08 40.8	+35 23 22	19.2	0.318	EMSS
PKS 0208-512	02 10 46.20	-51 01 02	16.9	1.003	EGRET
RBS 298	02 16 32.3	+23 14 48	19.2-17.9	-	RXS
PKS 0219-164	02 22 00.8	-16 15 16	15.0	0.698	ASM
3C 66A	02 22 39.6	+43 02 08	14.9-13.1	0.444	EGRET, OSSE, opt.
1RXS J022716.6+02015	02 27 16.5	+02 01 54	18.2	-	RXS, ASM
1ES 0229+200	02 32 48.67	+20 17 17	18.0	0.14	ASM, opt.
AO 0235+164	02 38 38.8	+16 36 59	18.5-14.0	0.94	EGRET, opt., 1 Jy
MS 0257.9+3429	03 01 01.6	+34 41 25	18.5	0.247	EMSS
PKS 0301-243	03 03 26.55	-24 07 11	15.5	0.26	IT88
RBS 384	03 03 30.1	+05 54 25	17.4	0.196	RXS
4C 47.08	03 03 35.2	+47 16 16	16.7-15.3	0.475	opt.
RBS 400	03 14 22.8	+06 20 01	17.9	-	RXS
MS 0317+18.5	03 19 51.89	+18 45 35	18.1	0.19	EMSS, RXS
1RXS J032540.8-16460	03 25 40.8	-16 46 07	16.0	0.291	RXS
1H 0323+022	03 26 14.0	+02 25 15	17.4-13.8	0.147	RXS, ASM, opt.
PKS 0332-403	03 34 13.65	-40 08 25	18.5	1.445	IT88
CTA 026	03 39 30.94	-01 46 36	18.4	0.852	EGRET
1ES 0347-121	03 49 23.26	-11 59 27	18.2	0.185	RXS, ASM
PKS 0414-189	04 16 36.54	-18 51 08	18.0-16.4	1.536	EGRET
1H 0414+009	04 16 53.8	+01 04 57	16.6-15.8	0.287	RXS, ASM, opt., IT88
1E 0419.3+1943	04 22 18.1	+19 50 47	20.3	0.512	RXS, EMSS
PKS 0420-014	04 23 15.8	-01 20 33	17.5-15.0	0.915	EGRET, opt.
PKS 0422+002	04 24 46.8	+00 36 06	15.0-13.5	0.31	opt.
PKS 0426-380	04 28 40.42	-37 56 19	19.0	1.03	1 Jy
3EG J0433+2908	04 32 00.0	+29 10 00	-	-	EGRET
PKS 0438-436	04 40 17.18	-43 33 09	18.5	2.852	IT88
NRAO 190	04 42 38.66	-00 17 43	19.2	0.844	EGRET
PKS 0446+112	04 49 07.67	+11 21 28	20.0	1.207	EGRET
PKS 0454-463	04 55 50.77	-46 15 59	17.4	0.858	EGRET
PKS 0454-234	04 57 03.18	-23 24 52	19.8-16.6	1.009	EGRET, IT88
PKS 0458-020	05 01 12.81	-01 59 14	18.4	2.286	EGRET, IT88
PKS 0459+060	05 02 15.45	+06 09 07	19.5	1.106	EGRET
S5 0454+844	05 08 42.36	+84 32 04	16.5	0.112	1 Jy
1ES 0507-04.0	05 09 38.1	-04 00 46	19.0	0.304	RXS

Source Name	RA (2000)	Dec (2000)	V[a]	z	Reference[b]
ARK 120	05 16 11.4	-00 08 59	14.6	0.0327	opt.
PKS 0521-365	05 22 57.98	-36 27 31	14.6	0.055	EGRET, PDS
PKS 0528+134	05 30 56.42	+13 31 55	19.0-18.0	2.06	EGRET, OSSE, PDS, opt.
PKS 0537-441	05 38 50.36	-44 05 09	16.4-15.5	0.894	EGRET, PDS, 1 Jy, IT88
PKS 0548-322	05 50 40.80	-32 16 18	15.5	0.069	ASM, OSSE
PKS 0605-085	06 07 59.70	-08 34 50	18.5-16.7	0.87	IT88
MS 0607.9+7108	06 13 43.7	+71 07 41	19.6	0.267	EMSS
3EG J0622-1139	06 19 03.7	-11 40 51	-	-	EGRET
PKS 0637-752	06 35 46.51	-75 16 17	15.75	0.651	
1H 0647+250	06 50 46.5	+25 03 00	-	-	ASM, opt.
EXO 0706.1+5913	07 10 30.12	+59 08 20	18.4	0.125	ASM
S5 0716+71	07 21 53.4	+71 20 36	14.0-13.0	>0.3	EGRET, OSSE, PDS, opt., 1 Jy
PKS 0735+178	07 38 07.4	+17 42 19	16.0-14.5	0.424	EGRET, opt., 1 Jy
PKS 0736+017	07 39 18.03	+01 37 05	16.47	0.191	OSSE
3EG J0743+5447	07 42 40.0	+54 44 25	-	0.723	EGRET
1ES 0737+74.6	07 43 59.6	+74 33 50	16.9	0.315	RXS, EMSS
PKS 0754+100	07 57 06.64	+09 56 35	14.5	0.66	opt.
1ES 0806+524	08 09 49.1	+52 18 59	15.8-15.0	0.138	ASM, opt.
S4 0814+425	08 18 16.0	+42 22 45	17.7	0.245	1 Jy
PKS 0820+225	08 23 24.86	+22 23 03	19.5	0.951	1 Jy
PKS 0823+033	08 25 50.34	+03 09 24	17.6-16.6	0.506	1 Jy, IT88
PKS 0823-223	08 26 01.57	-22 30 27	17.0-15.5	0.91	IT88
OJ 248	08 30 52.08	+24 11 00	17.0-15.0	0.939	EGRET, opt.
PKS 0829+046	08 31 48.9	+04 29 39	15.6-13.1	0.18	ASM, EGRET, opt.
S4 0828+493	08 32 23.22	+49 13 21	18.8	0.548	1 Jy
PKS 0834-201	08 36 39.22	-20 16 59	19.4	2.752	OSSE
4C 71.07	08 41 24.36	+70 53 42	16.5-15.0	2.172	EGRET, opt.
1RXS J084713.3+11334	08 47 12.96	+11 33 50	16.9	0.198	RXS
PMN J0850-1213	08 50 09.6	-12 13 33	-	0.566	EGRET
OJ 287	08 54 48.9	+20 06 31	16.3-13.7	0.306	EGRET, opt., 1 Jy
MS 0922.9+7459	09 28 03.0	+74 47 19	19.7	0.638	EMSS
1ES 0927+500	09 30 37.1	+49 50 28	17.2	0.188	ASM, RXS, opt.
MS 0950+49.5	09 54 09.8	+49 15 00	19.3	0.207	EMSS
S4 0954+556	09 57 38.24	+55 22 58	17.7	0.909	EGRET, opt.
S4 0954+658	09 58 47.2	+65 33 55	16.5-14.5	0.368	ASM, EGRET, opt., 1 Jy
MS 0958.9+2102	10 01 42.2	+20 48 18	19.8	0.334	EMSS
1RXS J100811.5+47052	10 08 11.3	+47 05 20	18.4	0.343	RXS
1ES 1011+496	10 15 04.23	+49 26 01	16.2	0.2	ASM, EGRET, opt.
1RXS J102244.2-01125	10 22 44.2	-01 12 57	15.5	-	RXS
B2 1028+313	10 30 59.09	+31 02 56	16.7	0.177	OSSE
1ES 1028+511	10 31 18.5	+50 53 40	16.6	0.361	ASM, RXS, opt.
PKS 1034-293	10 37 16.08	-29 34 03	16.7-15.6	0.312	IT88
RBS 921	10 56 07.0	+02 52 15	17.7	0.236	RXS
PKS 1055+018	10 58 29.6	+01 33 59	18.0-16.7	0.888	IT88
1ES 1101-232	11 03 37.7	-23 29 31	16.1	0.186	ASM, RXS, IT88
Mkn 421	11 04 27.3	+38 12 32	13.5-12.0	0.031	ASM, PDS, OSSE, EGRET, RXS, opt.
1RXS J111706.3+20141	11 17 06.3	+20 14 10	15.7	0.139	RXS
1ES 1118+424	11 20 48.13	+42 12 12	17.3	0.124	ASM, RXS, opt.
Mkn 180	11 36 26.4	+70 09 27	14.5	0.046	ASM, opt.
BWE 1133+6753	11 36 30.14	+67 37 04	16.7	0.135	ASM, RXS

Source Name	RA (2000)	Dec (2000)	V[a]	z	Reference[b]
PKS 1144-379	11 47 01.37	-38 12 11	18.6-16.2	1.048	1 Jy, IT88
2E 1146.9+2456	11 49 30.3	+24 39 26	18.0	-	ASM, RXS, opt., 1 Jy
OM 280	11 50 19.2	+24 17 54	16.5-13.3	>0.2	ASM, opt.
4C 29.45	11 59 31.83	+29 14 44	18.0-14.0	0.729	EGRET, opt.
MS 1207.9+3945	12 10 26.74	+39 29 09	20.3	0.615	EMSS
1ES 1212+078	12 15 10.9	+07 32 04	16.0	0.130	ASM
TON 605	12 17 52.1	+30 07 01	14.6-14.0	0.13	opt.
PG 1218+304	12 21 21.9	+30 10 37	16.5	0.182	ASM, RXS, opt.
ON 231 (W Com)	12 21 31.7	+28 13 59	15.0-12.2	0.102	EGRET, PDS, opt.
MS 1221.8+2452	12 24 24.29	+24 36 24	17.6	0.218	EMSS
PKS 1222+216	12 24 54.51	+21 22 47	17.5	0.435	EGRET
3C 273	12 29 06.7	+02 03 09	13.0-12.0	0.158	ASM, EGRET, OSSE, PDS, opt.
PKS 1229-021	12 32 00	-02 24 06	16.7	1.045	EGRET
MS 1229.2+6430	12 31 31.40	+64 14 18	16.9	0.164	EMSS
MS 1235.4+6315	12 37 38.78	+62 58 43	18.59	0.297	EMSS
1RXS J123705.6+30200	12 37 05.6	+30 20 04	19.3	0.7	RXS
1RXS J124149.8-14555	12 41 49.9	-14 55 59	17.3	-	RXS
PKS 1243-072	12 46 04.23	-07 30 46	18.0	1.286	EGRET
PKS 1244-255	12 46 46.80	-25 47 49	17.4-16.0	0.638	IT88
1ES1248-296	12 51 34.89	-29 58 43	-	0.37/0.487	RXS, opt.
3C 279	12 56 11.1	-05 47 22	16.0-13.6	0.538	ASM, PDS, OSSE, EGRET, opt.
1ES 1255+244	12 57 31.98	+24 12 39	15.4	0.141	ASM, RXS, opt.
OP 313	13 10 28.6	+32 20 44	19.0	0.996	opt., 1 Jy
PKS 1309-216	13 12 31.53	-21 56 24	18.5	1.491	IT88
1320+084	13 22 54.79	+08 10 10	-	-	ASM
OP 151	13 33 35.88	+16 49 02	16.7	2.084	EGRET
PKS 1334-127	13 37 39.78	-12 57 25	18.5	0.539	EGRET, IT88
PKS 1349-439	13 52 56.53	-44 12 40	18.1-16.3	-	IT88
MS 1402+04.2	14 04 51.01	+04 02 02	16.6	0.2	EMSS
PKS 1406-076	14 08 56.48	-07 52 27	18.4	1.494	EGRET
MS 1407.9+5954	14 09 23.5	+59 39 41	19.7	0.495	EMSS
1ES 1415+25.9	14 17 56.7	+25 43 25	17.4-16.0	0.237	RXS, IT88
OQ 530	14 19 46.6	+54 23 15	15.9-14.0	0.151	opt., 1 Jy
1ES 1421+58.2	14 22 39.1	+58 01 55	18.4	0.638	RXS
PKS 1424+240	14 27 00.4	+23 48 00	18.4-13.8	0.16	IT88, opt.
PKS 1424-418	14 27 56.3	-42 06 19	17.7-17.0	1.522	EGRET, IT88
1ES 1426+428	14 28 32.4	+42 40 28	16.4	0.129	ASM, RXS, opt.
FBS 1437+398	14 39 12.2	+39 35 18	16.6	-	RXS
MS 1443.5+6348	14 44 36.6	+63 36 26	19.7	0.299	EMSS
MS 1458.8+2249	15 01 01.9	+22 38 06	16.2-14.9	0.235	EMSS, opt.
1RXS J150343.0-15410	15 03 42.9	-15 41 07	17.5	-	RXS, EGRET?
PKS 1502+106	15 04 24.98	+10 29 39	17.9-15.5	1.839	IT88
PKS 1504-167	15 07 04.79	-16 52 30	18.5-17.7	0.876	IT88
PKS 1510-089	15 12 50.53	-09 05 59	16.5-15.0	0.361	EGRET, opt.
RBS 1478	15 16 18.8	-15 23 47	18.7	-	RXS
Ap Lib	15 17 41.81	-24 22 19	15.0	0.049	EGRET, 1 Jy
1ES 1517+65.6	15 17 47.66	+65 25 23	15.9	0.702	ASM, OSSE, RXS
PKS 1519-273	15 22 37.68	-27 30 11	18.5-17.3	0.071	IT88, 1 Jy
1RXS J153311.7+18542	15 33 11.34	+18 54 29	17.7	-	RXS
PKS 1532+016	15 34 52.45	+01 31 04	18.5-16.5	1.42	IT88

Source Name	RA (2000)	Dec (2000)	V[a]	z	Reference[b]
1ES 1533+53.5	15 35 01.1	+53 20 42	17.6	0.89	RXS
MS 1534.2+0148	15 36 46.84	+01 37 59	18.7	0.312	EMSS
PKS 1538+149	15 40 49.49	+14 47 46	15.5	0.605	1 Jy
PKS 1548+056	15 50 35.27	+05 27 10	18.5	1.422	IT88
MS 1552.1+2020	15 54 24.13	+20 11 25	17.70	0.222	EMSS
PG 1553+113	15 55 43.14	+11 11 24	14.8	-	opt.
4C 15.54	16 07 06.64	+15 51 34	18.7	0.357	EGRET, opt.
4C 10.45	16 08 46.2	+10 29 08	18.0	1.226	EGRET
DA 406	16 13 41.0	+34 12 48	17.3-16.0	1.401	EGRET, opt.
PKS 1610-771	16 17 49.28	-77 17 18	19.0-17.8	1.71	IT88
PKS 1622-253	16 25 46.89	-25 27 38	20.6	0.786	EGRET
PKS 1622-297	16 26 06.02	-29 51 27	20.5	0.815	EGRET
4C 38.41	16 35 15.49	+38 08 04	17.0-15.0	1.814	EGRET, opt.
3C 345	16 42 58.8	+39 48 37	17.0-15.0	0.593	opt.
Mkn 501	16 53 52.2	+39 45 37	13.4-12.9	0.034	ASM, OSSE, EGRET, PDS, 1 Jy, opt.
MS 1704.9+6046	17 05 34.88	+60 42 16	19.1	0.28	EMSS
H 1722+119	17 25 04.4	+11 52 16	14.8-12.6	0.018	ASM, opt.
1 Zw 187	17 28 18.6	+50 13 10	15.9-15.3	0.055	ASM, opt.
PKS 1725+044	17 28 24.95	+04 27 05	18.2	0.293	EGRET
NRAO 530	17 33 02.70	-13 04 49	18.5	0.902	EGRET
S4 1739+522	17 40 36.98	+52 11 43	18.5	1.375	EGRET
1ES 1741+196	17 43 57.8	+19 35 09	-	0.084	ASM, opt.
PKS 1741-038	17 43 58.86	-03 50 05	18.5	1.054	EGRET
S5 1749+701	17 48 32.84	+70 05 51	16.5	0.77	1 Jy
PKS 1749+096	17 51 32.8	+09 39 01	17.0	0.322	1 Jy, opt.
1RXS J175615.5+55221	17 56 15.98	+55 22 18	17.6	-	RXS
MS 1757.7+7034	17 57 10.0	+70 33 52	18.3	0.407	EMSS
S5 1803+784	18 00 46	+78 28 04	17.4-13.4	0.68	1 Jy, opt.
3EG J1800-3955	18 02 42.8	-39 40 01	-	-	EGRET
3C 371	18 06 50.7	+69 49 28	14.5-14.1	0.051	ASM, 1 Jy, opt.
4C 56.27	18 24 07.07	+56 51 01	18.9	0.664	1 Jy
3EG J1832-2110	18 33 00	-21 36 00	-	-	EGRET
3C 390.3	18 42 08.99	+79 46 17	14.4	0.0561	ASM
PKS 1908-201	19 11 09.6	-20 06 55	22.0	-	EGRET
H1914-194	19 17 44.85	-19 21 31	-	-	opt.
PKS 1933-400	19 37 16.22	-39 58 01	19.0	0.966	EGRET
PKS 1936-155	19 39 26.66	-15 25 43	19.4	1.657	EGRET
PKS 1954-388	19 57 59.82	-38 45 06	17.5-16.7	0.626	IT88
1ES 1959+650	19 59 59.8	+65 08 55	15.2-14.4	0.047	ASM, opt.
S5 2007+77	20 05 31.00	+77 52 43	16.5	0.342	1 Jy
PKS 2005-489	20 09 25.39	-48 49 54	13.4	0.07	ASM, PDS, 1 Jy
PKS 2022-077	20 25 40.4	-07 35 41	18.5	1.388	EGRET
PKS 2032+107	20 35 22.3	+10 56 07	15.3-14.8	0.601	EGRET, opt.
PKS 2052-474	20 56 16.36	-47 14 48	19.1	1.489	EGRET
1RXS J213135.5-09152	21 31 35.6	-09 15 25	16.6	-	RXS
PKS 2131-021	21 34 10.31	-01 53 17	18.6	1.285	1 Jy
1RXS J213852.9-20535	21 38 53.0	-20 53 53	17.9	0.229	RXS
MS 2143.4+0704	21 45 52.39	+07 19 27	18.0	0.237	EMSS
PKS 2155-304	21 58 52.0	-30 13 32	14.0-12.5	0.117	ASM, EGRET, OSSE, RXS, PDS
BL Lac	22 02 43.3	+42 16 40	15.2-12.4	0.0686	ASM, EGRET, PDS, opt., 1 Jy

Source Name	RA (2000)	Dec (2000)	V[a]	z	Reference[b]
4C 04.77	22 04 17.8	+04 40 02	15.2	0.0277	OSSE
EQ 2206-260	22 08 59.1	-25 48 26	17.7	-	IT88
PG 2209+184	22 11 53.75	+18 41 52	15.9	0.07	opt.
PKS 2209+236	22 12 05.97	+23 55 40	19.0	-	EGRET
3C 445	22 23 49.66	-02 06 12	17.5	0.0562	ASM, opt.
PKS 2223-052	22 25 47.26	-04 57 01	18.39	1.404	opt.
CTA 102	22 32 36.4	+11 43 51	16.5-15.3	1.037	OSSE, EGRET, opt.
PKS 2240-260	22 43 26.51	-25 44 30	18.0	0.774	IT88, 1 Jy
RBS 1888	22 43 42.0	-12 31 06	18.1	0.226	RXS
PKS 2243-123	22 46 18.23	-12 06 51	16.4-15.8	0.630	IT88
1RXS J224911.1-13000	22 49 11.2	-13 00 05	18.9	-	RXS
3C 454.3	22 53 57.7	+16 08 54	16.6-15.2	0.859	OSSE, EGRET, opt.
PKS 2254-204	22 56 41.24	-20 11 40	17.9-16.6	-	IT88
PKS 2254+074	22 57 17.3	+07 43 12	16.6-15.4	0.19	opt., 1 Jy
PKS 2255-282	22 58 05.96	-27 58 21	16.8	0.926	ASM
1RXS J230437.1+37050	23 04 37.2	+37 05 06	17.8	-	RXS
PKS 2320-035	23 23 31.95	-03 17 05	18.6	1.411	EGRET
1ES 2321+419	23 23 52.5	+42 10 55	-	0.059	ASM, opt.
1ES 2344+514	23 47 04.8	+51 42 18	15.2-14.6	0.044	ASM, PDS, opt.
4C 45.51	23 54 21.68	+45 53 04	20.6	1.992	EGRET
1RXS J235730.1-17180	23 57 30.2	-17 18 01	17.3	-	RXS
PKS 2355-534	23 57 53.27	-53 11 14	17.6	1.006	IT88
PKS 2356+196	23 58 46.16	+19 55 20	18.0	1.066	EGRET
H 2356-309	23 59 07.8	-30 37 38	17.0	0.165	RXS, ASM

[a] Apparent magnitude in V band. The typical range of observed variability is reported when available.
[b] Criteria for inclusion of the source: **EGRET, OSSE, PDS** = the source has been detected by one of these instruments; **ASM** = the source is in the RXTE ASM list; **1 Jy, EMSS, IT88, RXS** = the source belongs to the 1 Jy catalog of radio sources, or to the Extended Medium Sensitivity Survey, or to the sample of polarized blazars, or to the Sedentary Survey with an X-ray flux larger than 10^{-11} erg s^{-1} cm^{-2}, respectively; **opt.** = the source is frequently monitored in the optical at the Observatories of Perugia, Turin, or by TAROT or REM.