

VIP List of AGNs for Continued Study

This Very Important Project (VIP) list is intended as part of the LAT legacy program. These are AGN of special interest. The concept is to have someone watch each one closely, encourage multi wavelength studies, and possibly even organize full multi wavelength campaigns. These are ones for which we will make a particular effort to cooperate with anyone doing studies.

Source Common Name	R. A.	Dec.	Class	Monitoring programs	Leaders	Notes/rationale
4C +01.02 (PKS B0106+013)	17.1 804	1.579	FSRQ	several	Richard Britto (richardb777 at hotmail.fr)	
GC 0109+224 (S2 0109+22)	18.0 24	22.744	BL Lac	Some	Stefano Ciprini (stefano.ciprini.asdc at gmail.com)	TeV detected
B0218+357 (S3 0218+35)	35.2 73	35.937	Blazar - lensed	OVRO, Metsahovi	Teddy Cheung (teddy.cheung at nrl.navy.mil), Sara Buson (sara.buson at gmail.com)	TeV detection, lensed
AO 0235+164	39.6 62	16.616	BL Lac	many	Silvia Raino (Silvia.Raino at ba.infn.it), Bindu Rani (bindu.rani at nasa.gov)	
NGC 1275 (Perseus A, 3C 84)	49.9 51	41.512	Radio Galaxy		Teddy Cheung (teddy.cheung at nrl.navy.mil), Jun Kataoka (kataoka.jun at waseda.jp)	TeV detected
PKS 0454-234	74.2 63	-23.414	fsrq	Some	Dario Gasparrini (dario.gasparrini at ssdc.asi.it)	detected almost every day
PKS 0521-36	80.7 41	-36.458	SSRQ /BLRG	many, TANAMI	Filippo D'Ammando (dammando at ira.inaf.it)	
S5 0716+71	110. 473	71.343	BL Lac	many	Bindu Rani (bindu.rani at nasa.gov)	TeV, LAT bright, variable, well-monitored
PKS 0805-07	122. 064	-7.852	FSRQ	Several	Stefano Ciprini (stefano.ciprini.asdc at gmail.com)	
S5 0836+71	130. 352	70.895	FSRQ	many	Dave Thompson (david.j.thompson at nasa.gov) Monica Orienti (orienti at ira.inaf.it)	$z > 2$, flaring
OJ 287	133. 704	20.109	BL Lac	many	Stefano Ciprini (stefano.ciprini.asdc at gmail.com), Elizabeth Ferrara (elizabeth.c.ferrara at nasa.gov), Bindu Rani (bindu.rani at nasa.gov)	TeV detected
Mrk 421	166. 114	38.209	BL Lac	many	David Paneque (dpaneque at mppmu.mpg.de)	long-term campaign, TeV
Ton 599 (OM 295, 4C +29.45)	179. 882	29.245	FSRQ	many	Stefano Ciprini (stefano.ciprini.asdc at gmail.com), Dave Thompson (david.j.thompson at nasa.gov)	TeV detected
3C 273	187. 278	2.052	FSRQ	many	Richard Britto (richardb777 at hotmail.fr)	
ON 246	187 . 55	25 . 301	FSRQ		Sara Buson (sara.buson at gmail.com)	
M 87	187. 706	12.391	Radio Galaxy		Teddy Cheung (teddy.cheung at nrl.navy.mil), Marcello Giroletti (giroletti at ira.inaf.it)	MWL activities summarized here: (non-LAT team) M87 ToO proposal
3C 279	194. 047	-5.789	FSRQ	many	Greg Madejski (madejski@slac.stanford.edu) Masaaki Hayashida (masaaki.hayashida@hepburn.s.chiba-u.ac.jp)	TeV, fast variability
Cen A	201. 365	-43.019	Radio galaxy	TANAMI, SMA	Jeff Magill (jmagill at umd.edu), Roopesh Ojha (roopesh.ojha at gmail.com)	TeV detected
PKS 1502+106	226. 104	10.494	FSRQ	many radio, Catalina, ROBOPOL, Kanata	Stefano Ciprini (stefano.ciprini.asdc at gmail.com)	
PKS 1510-089	228. 170	-8.830	FSRQ	many	Monica Orienti (orienti at ira.inaf.it), Filippo D'Ammando (dammando at ira.inaf.it), Dario Gasparrini (dario.gasparrini at ssdc.asi.it)	highly variable, TeV
PKS 1424-41	228. 768	-25.952	FSRQ	many, TANAMI	Sara Buson (sara.buson at gmail.com), Roopesh Ojha (roopesh.ojha at gmail.com)	bright flares, PeV neutrino coincidence

B2 1520+31	230.541	31.737	fsrq	many	Dario Gasparrini (dario.gasparrini at ssdc.asi.it)	detected almost every day
PG 1553+113 (timing)	238.929	11.190	BL Lac	many	Sara Cutini (sarac13 at gmail.com), Stefano Ciprini (stefano.ciprini.asdc at gmail.com)	possible periodicity
PG 1553+113 (GeV/TeV connection)	238.929	11.190	BL Lac	many	David Sanchez, Deirdre Horan	TeV detected
3C 345 (1641+399)	250.745	39.810	FSRQ	many, primarily VLBA	Frank Schinzel (fsch at unm.edu), Sara Buson (sara.buson at gmail.com)	following second active period during Fermi
Mrk 501	253.468	39.760	BL Lac	many	David Paneque (dpaneque at mppmu.mpg.de)	long-term campaign, TeV
PKS 1830-211	278.416	-21.061	FSRQ	SMA	Stefano Ciprini (stefano.ciprini.asdc at gmail.com), Sara Buson (sara.buson at gmail.com)	lensed
1ES 1959+650	299.999	65.148	BL Lac		Sara Buson (sara.buson at gmail.com)	TeV
CTA 102	338.152	11.731	FSRQ	many	Filippo D'Ammando (dammando at ira.inaf.it), Sara Buson (sara.buson at gmail.com)	large flares, optical-IR/gamma-ray correlation
3C 454.3	343.491	16.148	FSRQ	many	Benoit Lott (lott at cenbg.in2p3.fr)	biggest flares
MAGNs			MAGNs		Graziano Chiaro (grazchiaro at gmail.com)	MAGNs soft variability study by bayesian block statistics