

*FERMI* OBSERVATIONS OF GRB 090510: A SHORT-DURATION GRB WITH AN  
ADDITIONAL, HARD POWER-LAW COMPONENT FROM

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Citation Report

#	ARTICLE	IF	CITATIONS
1	PROMPT X-RAY AND OPTICAL EXCESS EMISSION DUE TO HADRONIC CASCADES IN GAMMA-RAY BURSTS. <i>Astrophysical Journal Letters</i> , 2010, 725, L121-L125.	3.0	37
2	A LEPTONIC-HADRONIC MODEL FOR THE AFTERGLOW OF GAMMA-RAY BURST 090510. <i>Astrophysical Journal Letters</i> , 2010, 724, L109-L112.	3.0	43
3	TIME-RESOLVED SPECTROSCOPY OF THE THREE BRIGHTEST AND HARDEST SHORT GAMMA-RAY BURSTS OBSERVED WITH THE <i>FERMI</i> GAMMA-RAY BURST MONITOR. <i>Astrophysical Journal</i> , 2010, 725, 225-241.	1.6	75
4	ACCELERATION OF ULTRA-HIGH-ENERGY COSMIC RAYS IN THE COLLIDING SHELLS OF BLAZARS AND GAMMA-RAY BURSTS: CONSTRAINTS FROM THE <i>FERMI</i> GAMMA-RAY SPACE TELESCOPE. <i>Astrophysical Journal</i> , 2010, 724, 1366-1372.	1.6	52
5	<i>FERMI</i> GAMMA-RAY SPACE TELESCOPE OBSERVATIONS OF GAMMA-RAY OUTBURSTS FROM 3C 454.3 IN 2009 DECEMBER AND 2010 APRIL. <i>Astrophysical Journal</i> , 2010, 721, 1383-1396.	1.6	134
6	Extra Spectral Components due to Hadronic Cascade. , 2010, , .		1
7	PRECURSORS OF SHORT GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2010, 723, 1711-1717.	1.6	126
8	Lorentz invariance under scrutiny of recent high-energy gamma-ray observations. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2010, 203-204, 33-44.	0.5	1
9	Dark Matter, Neutron Stars, and Strange Quark Matter. <i>Physical Review Letters</i> , 2010, 105, 141101.	2.9	87
10	<i>FERMI</i> LARGE AREA TELESCOPE CONSTRAINTS ON THE GAMMA-RAY OPACITY OF THE UNIVERSE. <i>Astrophysical Journal</i> , 2010, 723, 1082-1096.	1.6	106
11	Gamma Ray Bursts: basic facts and ideas. <i>Proceedings of the International Astronomical Union</i> , 2010, 6, 335-343.	0.0	0
12	<i>Astrophysical Ionizing Radiation and Earth: A Brief Review and Census of Intermittent Intense Sources. Astrobiology</i> , 2011, 11, 343-361.	1.5	91
13	OBSERVATIONAL SEARCH FOR PeV-EeV TAU NEUTRINO FROM GRB081203A. <i>Astrophysical Journal Letters</i> , 2011, 736, L12.	3.0	12
14	Finding short GRB remnants in globular clusters: the VHE gamma-ray source in Terzan 5. <i>Astronomy and Astrophysics</i> , 2011, 533, L5.	2.1	17
15	The AGILE observations of the hard and bright GRB 100724B. <i>Astronomy and Astrophysics</i> , 2011, 535, A120.	2.1	18
16	DETECTION OF A THERMAL SPECTRAL COMPONENT IN THE PROMPT EMISSION OF GRB 100724B. <i>Astrophysical Journal Letters</i> , 2011, 727, L33.	3.0	205
17	Gravitational waves and gamma-ray bursts. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 142-149.	0.0	3
18	Temporal Evolution of GRB Spectra: Leptonic and Hadronic. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 319-320.	0.0	0

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20	<i>FERMI</i> AND <i>SWIFT</i> GAMMA-RAY BURST AFTERGLOW POPULATION STUDIES. <i>Astrophysical Journal</i> , 2011, 738, 138.	1.6	82
21	SEARCHING FOR NEEDLES IN HAYSTACKS—LOOKING FOR GAMMA-RAY BURST $\hat{\gamma}$ -RAYS WITH THE FERMI/LAT DETECTOR. <i>Astrophysical Journal</i> , 2011, 726, 22.	1.6	9
22	THREE-DIMENSIONAL SIMULATIONS OF MAGNETOHYDRODYNAMIC TURBULENCE BEHIND RELATIVISTIC SHOCK WAVES AND THEIR IMPLICATIONS FOR GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2011, 734, 77.	1.6	79
23	THE AFTERGLOWS OF <i>SWIFT</i>-ERA GAMMA-RAY BURSTS. II. TYPE I GRB VERSUS TYPE II GRB OPTICAL AFTERGLOWS. <i>Astrophysical Journal</i> , 2011, 734, 96.	1.6	187
24	GeV EMISSION FROM COLLISIONAL MAGNETIZED GAMMA-RAY BURSTS. <i>Astrophysical Journal Letters</i> , 2011, 733, L40.	3.0	57
25	DETECTION OF A SPECTRAL BREAK IN THE EXTRA HARD COMPONENT OF GRB 090926A. <i>Astrophysical Journal</i> , 2011, 729, 114.	1.6	179
26	SUB-PHOTOSPHERIC EMISSION FROM RELATIVISTIC RADIATION MEDIATED SHOCKS IN GRBs. <i>Astrophysical Journal</i> , 2011, 733, 85.	1.6	29
27	ON THE HIGH-ENERGY EMISSION OF THE SHORT GRB 090510. <i>Astrophysical Journal</i> , 2011, 733, 22.	1.6	61
28	THE MISSING LINK: MERGING NEUTRON STARS NATURALLY PRODUCE JET-LIKE STRUCTURES AND CAN POWER SHORT GAMMA-RAY BURSTS. <i>Astrophysical Journal Letters</i> , 2011, 732, L6.	3.0	383
29	SPECTRAL—TEMPORAL SIMULATIONS OF INTERNAL DISSIPATION MODELS OF GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2011, 739, 103.	1.6	38
30	Impulsive acceleration of strongly magnetized relativistic flows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 411, 1323-1353.	1.6	113
31	Spectral components in the bright, long GRB $\epsilon$ 061007: properties of the photosphere and the nature of the outflow. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 2642-2649.	1.6	13
32	Is GeV emission from Gamma-Ray Bursts of external shock origin?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 77-82.	1.6	44
33	Photosphere-internal shock model of gamma-ray bursts: case studies of Fermi/LAT bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 1663-1680.	1.6	92
34	Constraints on cold magnetized shocks in gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 416, 2193-2201.	1.6	36
35	Limits on the GeV emission from gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 416, 3089-3097.	1.6	26
36	Model of the extended emission of short gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 2161-2165.	1.6	67

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37	The multi-wavelength context in 2015 and beyond. <i>Comptes Rendus Physique</i> , 2011, 12, 226-233.	0.3	1
38	The Fermi view of gamma-ray bursts. <i>Comptes Rendus Physique</i> , 2011, 12, 267-275.	0.3	6
39	Open questions in GRB physics. <i>Comptes Rendus Physique</i> , 2011, 12, 206-225.	0.3	100
40	Afterglows after Swift. <i>Comptes Rendus Physique</i> , 2011, 12, 276-287.	0.3	4
41	Fermi Gamma-ray Space Telescope: Highlights of the GeV Sky. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2011, 217, 249-254.	0.5	0
42	Search for high energy gamma-ray bursts. <i>Astrophysics and Space Sciences Transactions</i> , 2011, 7, 97-100.	1.0	5
43	A COMPREHENSIVE ANALYSIS OF <i>FERMI</i> GAMMA-RAY BURST DATA. I. SPECTRAL COMPONENTS AND THE POSSIBLE PHYSICAL ORIGINS OF LAT/GBM GRBs. <i>Astrophysical Journal</i> , 2011, 730, 141.	1.6	202
44	The Swift short gamma-ray burst rate density: implications for binary neutron star merger rates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 425, 2668-2673.	1.6	108
45	Gamma-ray bursts and their links with supernovae and cosmology. <i>Research in Astronomy and Astrophysics</i> , 2012, 12, 1139-1161.	0.7	16
46	Multi-GeV neutrino emission from magnetized gamma-ray bursts. <i>Physical Review D</i> , 2012, 85, .	1.6	13
47	CONSTRAINING THE BULK LORENTZ FACTOR OF GAMMA-RAY BURST OUTFLOW IN THE MAGNETIC-DOMINATED JET MODEL. <i>Astrophysical Journal</i> , 2012, 759, 129.	1.6	9
48	HIGH-ENERGY EMISSION FROM GAMMA-RAY BURSTS. <i>International Journal of Modern Physics Conference Series</i> , 2012, 08, 196-208.	0.7	4
49	THE CHARACTERISTICS OF GRBs WITH PRESENCE OF HIGH ENERGY COMPONENT IN THEIR SPECTRA. <i>International Journal of Modern Physics Conference Series</i> , 2012, 12, 237-246.	0.7	2
50	GRB110721A: AN EXTREME PEAK ENERGY AND SIGNATURES OF THE PHOTOSPHERE. <i>Astrophysical Journal Letters</i> , 2012, 757, L31.	3.0	152
51	LORENTZ-FACTORâ€“ISOTROPIC-LUMINOSITY/ENERGY CORRELATIONS OF GAMMA-RAY BURSTS AND THEIR INTERPRETATION. <i>Astrophysical Journal</i> , 2012, 751, 49.	1.6	96
52	GAMMA-RAY BURST DYNAMICS AND AFTERGLOW RADIATION FROM ADAPTIVE MESH REFINEMENT, SPECIAL RELATIVISTIC HYDRODYNAMIC SIMULATIONS. <i>Astrophysical Journal</i> , 2012, 746, 122.	1.6	61
53	CORRELATION BETWEEN PEAK ENERGY AND PEAK LUMINOSITY IN SHORT GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2012, 755, 55.	1.6	22
54	Experimental Gamma-Ray Astronomy. <i>Journal of Physics: Conference Series</i> , 2012, 375, 052020.	0.3	3

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55	Simulation of Fano factor at HAWC-30 array. <i>Journal of Physics: Conference Series</i> , 2012, 378, 012003.	0.3	0
56	HAWC – The High Altitude Water Cherenkov Detector. <i>Journal of Physics: Conference Series</i> , 2012, 375, 052026.	0.3	4
57	ANALYSIS OF GRB 080319B AND GRB 050904 WITHIN THE FIRESHHELL MODEL: EVIDENCE FOR A BROADER SPECTRAL ENERGY DISTRIBUTION. <i>Astrophysical Journal</i> , 2012, 756, 16.	1.6	22
58	A COMPREHENSIVE ANALYSIS OF <i>FERMI</i> GAMMA-RAY BURST DATA. II. $E_p$ EVOLUTION PATTERNS AND IMPLICATIONS FOR THE OBSERVED SPECTRUM-LUMINOSITY RELATIONS. <i>Astrophysical Journal</i> , 2012, 756, 112.	1.6	116
59	TEMPORAL DECONVOLUTION STUDY OF LONG AND SHORT GAMMA-RAY BURST LIGHT CURVES. <i>Astrophysical Journal</i> , 2012, 744, 141.	1.6	35
60	THE ROLE OF STOCHASTIC ACCELERATION IN THE PROMPT EMISSION OF GAMMA-RAY BURSTS: APPLICATION TO HADRONIC INJECTION. <i>Astrophysical Journal</i> , 2012, 746, 164.	1.6	77
61	Maximum synchrotron frequency for shock-accelerated particles. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012, 427, L40-L44.	1.2	33
62	CONSTRAINING THE HIGH-ENERGY EMISSION FROM GAMMA-RAY BURSTS WITH <i>FERMI</i> . <i>Astrophysical Journal</i> , 2012, 754, 121.	1.6	14
63	The HAWC observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 692, 72-76.	0.7	42
64	DELAYED ONSET OF HIGH-ENERGY EMISSIONS IN LEPTONIC AND HADRONIC MODELS OF GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2012, 757, 115.	1.6	33
65	Gamma-Ray Bursts. <i>Science</i> , 2012, 337, 932-936.	6.0	84
66	JITTER SELF-COMPTON PROCESS: GeV EMISSION OF GRB 100728A. <i>Astrophysical Journal</i> , 2012, 748, 135.	1.6	6
67	GRB980923. A BURST WITH A SHORT DURATION HIGH-ENERGY COMPONENT. <i>Astrophysical Journal</i> , 2012, 755, 140.	1.6	7
68	COASTING EXTERNAL SHOCK IN WIND MEDIUM: AN ORIGIN FOR THE X-RAY PLATEAU DECAY COMPONENT IN <i>SWIFT</i> GAMMA-RAY BURST AFTERGLOWS. <i>Astrophysical Journal</i> , 2012, 744, 36.	1.6	18
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72	Gamma-ray bursts in the comoving frame. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 483-494.	1.6	131

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74	Magnetic jet model for GRBs and the delayed arrival of $\gt;100$ MeV photons. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 421, L39-L43.	1.2	22
75	Prospects for GRB detection with HAWC scalers. Advances in Space Research, 2012, 49, 103-107.	1.2	0
76	On the sensitivity of the HAWC observatory to gamma-ray bursts. Astroparticle Physics, 2012, 35, 641-650.	1.9	100
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78	Interaction of a highly magnetized impulsive relativistic flow with an external medium. Monthly Notices of the Royal Astronomical Society, 2012, 421, 2442-2466.	1.6	29
79	The effects of sub-shells in highly magnetized relativistic flows. Monthly Notices of the Royal Astronomical Society, 2012, 421, 2467-2477.	1.6	23
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82	IACT observations of gamma-ray bursts: prospects for the Cherenkov Telescope Array. Experimental Astronomy, 2013, 35, 413-457.	1.6	15
83	Gamma-ray bursts in the swift-Fermi era. Frontiers of Physics, 2013, 8, 661-678.	2.4	57
84	THE MAXIMUM ENERGY OF ACCELERATED PARTICLES IN RELATIVISTIC COLLISIONLESS SHOCKS. Astrophysical Journal, 2013, 771, 54.	1.6	286
85	Constraints on Lorentz invariance violation from <i>Fermi</i> -Large Area Telescope observations of gamma-ray bursts. Physical Review D, 2013, 87, .	1.6	143
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93	A theory of photospheric emission from relativistic, collimated outflows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 2430-2442.	1.6	124
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95	THE FIRST <i>FERMI</i> -LAT GAMMA-RAY BURST CATALOG. <i>Astrophysical Journal</i> , Supplement Series, 2013, 209, 11.	3.0	232
96	OPENING ANGLES OF COLLAPSAR JETS. <i>Astrophysical Journal</i> , 2013, 777, 162.	1.6	122
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98	A NEW METHOD OF PULSE-WISE SPECTRAL ANALYSIS OF GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2013, 768, 187.	1.6	11
99	EVIDENCE FOR A PHOTOSPHERIC COMPONENT IN THE PROMPT EMISSION OF THE SHORT GRB 120323A AND ITS EFFECTS ON THE GRB HARDNESS-LUMINOSITY RELATION. <i>Astrophysical Journal</i> , 2013, 770, 32.	1.6	122
100	SHORT GAMMA-RAY BURSTS AND DARK MATTER SEEDING IN NEUTRON STARS. <i>Astrophysical Journal</i> , 2013, 768, 145.	1.6	20
101	THE ULTRA-LONG GRB 111209A. II. PROMPT TO AFTERGLOW AND AFTERGLOW PROPERTIES. <i>Astrophysical Journal</i> , 2013, 779, 66.	1.6	67
102	<i>Fermi</i> and <i>Swift</i> Observations of Short GRBs. <i>EAS Publications Series</i> , 2013, 61, 39-43.	0.3	0
103	Synchrotron signature of a relativistic blast wave with decaying microturbulence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 845-866.	1.6	56
104	Wide-Band Spectra of Prompt Emission. <i>EAS Publications Series</i> , 2013, 61, 115-122.	0.3	0
105	Global Properties of High-Energy Emission from Gamma-Ray Bursts. <i>EAS Publications Series</i> , 2013, 61, 123-128.	0.3	0
106	Temporal Decomposition Studies of GRB Lightcurves. <i>EAS Publications Series</i> , 2013, 61, 45-52.	0.3	2
107	Multi-Wavelength Observations of Short-Duration Gamma-Ray Bursts: Recent Results. <i>EAS Publications Series</i> , 2013, 61, 309-317.	0.3	3
108	MULTIWAVELENGTH OBSERVATIONS OF GRB 110731A: GeV EMISSION FROM ONSET TO AFTERGLOW. <i>Astrophysical Journal</i> , 2013, 763, 71.	1.6	75

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110	High-energy emission from transients. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120279.	1.6	2
111	ON GRB PHYSICS REVEALED BY FERMI/LAT. <i>International Journal of Modern Physics Conference Series</i> , 2013, 23, 223-227.	0.7	1
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120	DISTRIBUTIONS OF GAMMA-RAY BURSTS AND BLAZARS IN THE <i>L</i> - <i>E</i> -PLANE AND POSSIBLE IMPLICATIONS FOR THEIR RADIATION PHYSICS. <i>Astrophysical Journal</i> , 2014, 793, 36.	1.6	19
121	Time-resolved spectral study of Fermi gamma-ray bursts having single pulses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 419-427.	1.6	12
122	“SELF-ABSORBED”-GeV LIGHT CURVES OF GAMMA-RAY BURST AFTERGLOWS. <i>Astrophysical Journal</i> , 2014, 788, 70.	1.6	8
123	SEARCH FOR GeV GAMMA-RAY BURSTS WITH THE ARGO-YBJ DETECTOR: SUMMARY OF EIGHT YEARS OF OBSERVATIONS. <i>Astrophysical Journal</i> , 2014, 794, 82.	1.6	11
124	POLARIZATION OF PHOTONS SCATTERED BY ELECTRONS IN ANY SPECTRAL DISTRIBUTION. <i>Astrophysical Journal</i> , 2014, 780, 68.	1.6	6
125	The genuine short GRB 090227B and the disguised by excess GRB 090510. <i>Gravitation and Cosmology</i> , 2014, 20, 197-202.	0.3	0
126	Short-Duration Gamma-Ray Bursts. <i>Annual Review of Astronomy and Astrophysics</i> , 2014, 52, 43-105.	8.1	847



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128	Spectral evolution in gamma-ray bursts: Predictions of the internal shock model and comparison to observations. <i>Astronomy and Astrophysics</i> , 2014, 568, A45.	2.1	32
129	Search for TeV Gamma-ray Emission from GRB 100621A, an extremely bright GRB in X-rays, with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2014, 565, A16.	2.1	174
130	Gamma-ray bursts: Recent results and connections to very high energy cosmic rays and neutrinos. <i>Journal of Physics: Conference Series</i> , 2014, 485, 012001.	0.3	3
131	Hunting Gravitational Waves with Multi-Messenger Counterparts: Australia's Role. <i>Publications of the Astronomical Society of Australia</i> , 2015, 32, .	1.3	9
132	The Properties of the Gamma-ray Bursts with High-energy Spectral Component. <i>Physics Procedia</i> , 2015, 74, 287-291.	1.2	2
133	Relativistic Shocks: Particle Acceleration and Magnetization. <i>Space Science Reviews</i> , 2015, 191, 519-544.	3.7	159
134	MEASURING AMBIENT DENSITIES AND LORENTZ FACTORS OF GAMMA-RAY BURSTS FROM GeV AND OPTICAL OBSERVATIONS. <i>Astrophysical Journal</i> , 2015, 813, 63.	1.6	15
135	Einstein's Triumph. , 0, , 1-9.		0
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138	Physics of Gamma-Ray Bursts Prompt Emission. <i>Advances in Astronomy</i> , 2015, 2015, 1-37.	0.5	73
139	Gamma-Ray Bursts as Sources of Strong Magnetic Fields. <i>Space Science Reviews</i> , 2015, 191, 471-518.	3.7	31
140	Quasi-periodic fractal patterns in geomagnetic reversals, geological activity, and astronomical events. <i>Chaos, Solitons and Fractals</i> , 2015, 81, 246-270.	2.5	12
141	<i>FERMI</i> -LARGE AREA TELESCOPE OBSERVATIONS OF THE EXCEPTIONAL GAMMA-RAY FLARE FROM 3C 279 IN 2015 JUNE. <i>Astrophysical Journal Letters</i> , 2015, 808, L48.	3.0	39
142	A Planck-scale limit on spacetime fuzziness and stochastic Lorentz invariance violation. <i>Nature Physics</i> , 2015, 11, 344-346.	6.5	60
143	Comparison between the time-integrated spectrum and the peak time spectrum of gamma-ray bursts and possible implications. <i>Science China: Physics, Mechanics and Astronomy</i> , 2015, 58, 1-8.	2.0	2
144	THE STATISTICS OF BAT-TO-XRT FLUX RATIO IN GRBs: EVIDENCE FOR A CHARACTERISTIC VALUE AND ITS IMPLICATIONS. <i>Astrophysical Journal</i> , 2015, 802, 83.	1.6	3

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145	TOWARD A BETTER UNDERSTANDING OF THE GRB PHENOMENON: A NEW MODEL FOR GRB PROMPT EMISSION AND ITS EFFECTS ON THE NEW $L_{\text{peak,i}}^{\text{NT}}-E_{\text{peak,i}}^{\text{rest,NT}}$ RELATION. <i>Astrophysical Journal</i> , 2015, 807, 148.	1.6	72
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