

## WEDNESDAY, SEPTEMBER 15

7:30 AM	Registration Opens	
8:15 AM	Introduction / Opening Remarks	
8:30 AM	N. Gehrels and C. Shrader STATUS OF THE COMPTON OBSERVATORY	O-01
8:45 AM	<b>Session 1</b> <b>GAMMA-RAY BURSTS</b>	
	Chairperson: C. Winkler	
	K. Hurley THE $4.5 \pm 0.5$ SOFT GAMMA REPEATERS IN REVIEW	B-01 (invited)
	C. Akerlof PROMPT OPTICAL PHOTONS FROM GAMMA-RAY BURSTS	B-02 (invited)
	R. Sari GAMMA-RAY BURSTS AND AFTERGLOW	B-03 (invited)
10:15 AM	<b>COFFEE / POSTERS (45 min)</b>	
11:00 AM	<b>Session 2</b> <b>X-RAY BINARIES, Part 1</b>	
	Chairperson: E. Grove	
	E. Liang et al. MONTE CARLO SIMULATIONS OF RADIATION FROM COMPACT OBJECTS	X-01
	D. Hannikainen et al. HARD X-RAY SPECTRUM OF GRS 1915+105 DURING A RADIO FLARE	X-02
	M. Tagger ACCRETION-EJECTION INSTABILITY IN MAGNETIZED DISKS, AND LOW-FREQUENCY QPOS IN GRS 1915+105	X-03
	D. Dal Fiume et al. CYCLOTRON LINES IN X-RAY PULSARS AS A PROBE OF RELATIVISTIC PLASMA IN SUPERSTRONG MAGNETIC FIELDS	X-04
	W.A. Heindl et al. MULTIPLE CYCLOTRON LINES IN THE SPECTRUM OF 4U 0115+63	X-05

## WEDNESDAY, SEPTEMBER 15 (cont)

- A. Santangelo et al. X-06  
MULTIPLE CYCLOTRON FEATURES IN THE SPECTRA OF X-RAY BINARY PULSARS:  
THE EXTRAORDINARY CASE OF X0115+63.
- J. Braga et al. X-07  
EVIDENCE FOR A 304-DAY ORBITAL PERIOD FOR GX1+4
- 12:30 PM **LUNCH (1 hr 30 min)**
- 2:00 PM **Session 3**  
**AGN, GALAXY CLUSTERS AND NORMAL GALAXIES, Part 1**
- Chairperson: A. Marscher
- C. Dermer et al. A-01  
BLAST-WAVE PHYSICS MODEL FOR BLAZARS
- B. Czerny et al. A-02  
OBSCURATION MODEL OF VARIABILITY IN AGN
- D. Kazanas et al. A-03  
RELATIVISTIC ELECTRONS IN BLAZARS: A HADRONIC ORIGIN?
- M. Böttcher A-04  
SPECTRAL VARIABILITY OF BLAZARS
- T. Takahashi et al. A-05  
MULTI-FREQUENCY OBSERVATIONS OF A TEV BLAZAR, MKN421, FROM A BIG  
CAMPAIGN IN 1998
- H. Krawczynski et al. A-06  
THE TEV AND X-RAY CHARACTERISTICS OF MKN 501 AS MEASURED IN 1998 WITH  
THE HEGRA CHERENKOV TELESCOPES AND RXTE
- W.T. Vestrand et al. A-07  
GeV GAMMA-RAY VARIABILITY FROM THE TEV BLAZAR PKS 2155-304
- 3:30 PM **SNACK / POSTER (30 min)**
- 4:00 PM **Session 4**  
**VHE/UHE GAMMA-RAY ASTRONOMY**
- Chairperson: T. Weekes
- M. Catanese V-01 (invited)  
GROUND BASED GAMMA-RAY ASTRONOMY

## WEDNESDAY, SEPTEMBER 15 (cont)

J.A. Zweerink et al. THE SOLAR TWO 20-300 GEV GAMMA-RAY OBSERVATORY	V-02
C.E. Covault et al. THE SOLAR TOWER ATMOSPHERIC CHERENKOV EFFECT EXPERIMENT (STACEE): NEW RESULTS AT 100 GEV	V-03
MILAGRO Collaboration (Presenter: J. Goodman) TEV OBSERVATIONS OF MRK 501 WITH THE MILAGRITO WATER CHERENKOV DETECTOR	V-04
MILAGRO Collaboration (Presenter: R. Miller) SEARCH FOR TEV EMISSION FROM GAMMA-RAY BURSTS	V-05
A. Djannati-Ataï et al. CAT TELESCOPE VHE MEASUREMENTS ON MRK421 AND MRK501 AND IMPLICATIONS ON BLAZAR PHENOMENA	V-06
G. Mohanty et al. OBSERVATION OF SUPERNOVA REMNANTS WITH THE CAT CHERENKOV IMAGING TELESCOPE	V-07
Chadwick et al. (Presenter: K.E. Turver) VHE GAMMA RAY OBSERVATIONS OF SOUTHERN HEMISPHERE AGNS	V-08

## THURSDAY, SEPTEMBER 16

7:30 AM Registration Opens

8:30 AM **Session 5**  
**SOLAR FLARES / DIFFUSE EMISSIONS, Part 1**

Chairperson: J. Kurfess

G. Emslie S-01 (invited)  
HIGH ENERGY SOLAR PHYSICS AT THE Y2K MAXIMUM

A.W. Strong D-01 (invited)  
DIFFUSE GALACTIC CONTINUUM GAMMA RAYS

P. Sreekumar D-02 (invited)  
THE EXTRAGALACTIC GAMMA-RAY BACKGROUND: RESULTS FROM CGRO

G. Weidenspointner et al. D-03  
THE COSMIC DIFFUSE GAMMA-RAY BACKGROUND MEASURED WITH COMPTEL

10:15 AM **COFFEE / POSTERS (45 min)**

11:00 AM **Session 6**  
**AGN, GALAXY CLUSTERS AND NORMAL GALAXIES, Part 2**

Chairperson: C. Dermer

W. Collmar et al. A-08  
MULTIFREQUENCY OBSERVATIONS OF THE VIRGO BLAZARS 3C 273 AND 3C 279 IN  
CGRO CYCLE 8

Z. Shu et al. A-09  
COMPTEL OBSERVATIONS OF THE FLARING QUASARS PKS1622-297 AND  
PKS0446+112

P. Edwards et al. A-10  
SPACE VLBI OBSERVATIONS OF GAMMA-RAY SOURCES

B.G. Piner et al. A-11  
SPACE VLBI OBSERVATIONS OF 3C279 AT 1.6 AND 5 GHz

P. Grandi et al. A-12  
BROAD BAND PROPERTIES OF RADIO LOUD EMISSION LINE AGN

I. Yi et al. A-13  
MEASURING BLACK HOLE MASSES IN X-RAY BRIGHT GALACTIC NUCLEI

## THURSDAY, SEPTEMBER 16 (cont)

M.J. Westmore et al. (Presenter: R. Gurriaran) A-14  
AN UNBIASED HARD X-RAY SURVEY OF THE NEAREST SEYFERT 2 NUCLEI

V.A. Dogiel A-15  
HARD X-RAY EMISSION FROM CLUSTERS OF GALAXIES

12:45 PM **LUNCH / START OF NEW POSTER SESSION (1 hr 45 min)**

2:30 PM **Session 7  
FUTURE MISSIONS AND INSTRUMENTATION DEVELOPMENT**

Chairperson: R. Kroeger

N. Gehrels et al. I-01 (invited)  
FUTURE PROSPECTS FOR NASA'S GAMMA RAY ASTRONOMY PROGRAM

C. Winkler et al. I-02 (invited)  
SCIENCE WITH THE INTERNATIONAL GAMMA-RAY ASTROPHYSICS  
LABORATORY INTEGRAL

M. Tavani et al. I-03  
AGILE: A GAMMA-RAY MISSION

P.F. Michelson et al. I-04  
THE GAMMA RAY LARGE AREA SPACE TELESCOPE: INSTRUMENT TECHNOLOGY  
DEVELOPMENT (OVERVIEW)

The FiberGLAST Collaboration (Presenter: G. Pendleton) I-05  
FIBERGLAST: A HIGH-ENERGY GAMMA-RAY TELESCOPE FOR THE GLAST  
MISSION BASED ON SCINTILLATING FIBER DETECTORS

J.D. Kurfess et al. I-06  
CONSIDERATIONS FOR THE NEXT COMPTON TELESCOPE MISSION

4:30 PM **SNACK / POSTER (30 min)**

5:30 PM **BUSES DEPART FOR BANQUET (FROM THE SHERATON)**

## FRIDAY, SEPTEMBER 17

7:30 AM Registration Opens

8:30 AM **Session 8**  
**DIFFUSE EMISSIONS, Part 2**

Chairperson: M. Leising

R. Diehl D-04 (invited)  
GAMMA-RAY LINE ASTROPHYSICS

P.A. Milne et al. D-05 (invited)  
OSSE MAPPING OF POSITRON ANNIHILATION RADIATION

S. Plüschke et al. D-06  
COMPTEL 1.8 MEV ALL SKY SURVEY: THE CYGNUS REGION

J. Knödseder et al. D-07  
GAMMA-RAY LINE EMISSION FROM OB ASSOCIATIONS AND YOUNG CLUSTERS

H. Bloemen et al. D-08  
IMPROVED COMPTEL MAPS OF THE MILKY WAY

10:15 AM **COFFEE / POSTERS (45 min)**

11:00 AM **Session 9**  
**X-RAY BINARIES, Part 2**

Chairperson: W.T. Vestrand

G. Cusumano et al. X-08  
DETECTION OF 33.8 MS X-RAY PULSATIONS IN SAXJ0635+0533

S. Del Sordo et al. X-09  
IRON LINE AND SOFT EXCESS PROPERTIES OF GX301-2 AT DIFFERENT ORBITAL PHASES

M. Cocchi et al. (Presenter: P. Ubertini) X-10  
CLOCKED BURSTS FROM GS 1826-238: A THREATEN FOR THERMONUCLEAR FLASH MODELS?

M. Strickman et al. X-11  
DETECTION OF MULTIPLE HARD X-RAY FLARES FROM SCO X-1 WITH OSSE

P. Kaaret et al. X-12  
DISCOVERY OF A HARD X-RAY SOURCE, SAX J0635+0533, IN THE ERROR BOX OF THE GAMMA-RAY SOURCE 2EG 0635+0521

## FRIDAY, SEPTEMBER 17 (cont)

- G. Iannone et al. X-13  
SSS: MORE PHOTOMETRIC OBSERVATIONS OF RXJ0019.8+2156
- Chadwick et al. (Presenter: K.E. Turver) X-14  
VERY HIGH ENERGY GAMMA RAYS FROM X-RAY BINARIES
- 12:30 PM **LUNCH (1 hr 30 min)**
- 2:00 PM **Session 10**  
**NOVAE AND SUPERNOVAE**
- Chairperson: R. Murphy
- D.C. Ellison N-01  
MODELING SNRS WITH A SIMPLE MODEL OF NON-LINEAR SHOCK ACCELERATION
- M.D. Leising et al. N-02  
OSSE OBSERVATIONS OF SUPERNOVA 1998BU
- R. Georgii et al. N-03  
COMPTEL UPPER LIMITS FOR THE 847 KEV AND 1238 KEV  $\gamma$ -RAYS OF  $^{56}\text{Co}$   
FROM SN1998BU
- A. Iyudin et al. N-04  
 $^{44}\text{Ti}$  GAMMA-RAY LINE EMISSION FROM CAS A AND RXJ0852-4622/GROJ0852-4642
- M. Hernanz et al. N-05  
NEW THEORETICAL RESULTS CONCERNING GAMMA-RAY EMISSION FROM CLASSICAL  
NOVAE
- A.D. Kudryashov N-06  
SYNTHESIS OF RADIOACTIVE NUCLEI AND GAMMA-LINE RADIATION FROM NOVAE
- M.D. Leising et al. N-07  
OSSE OBSERVATIONS OF NOVA VELORUM 1999
- 3:30 PM **SNACK / POSTER (30 min)**

## FRIDAY, SEPTEMBER 17 (cont)

4:00 PM

### Session 11 PULSARS / UNIDENTIFIED SOURCES

Chairperson: P. Sreekumar

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| V.M. Kaspi et al.<br>HIGH-ENERGY GAMMA-RAY OBSERVATIONS OF TWO YOUNG, ENERGETIC RADIO PULSARS      | P-01 |
| M. McLaughlin et al.<br>GAMMA RAY PULSAR LUMINOSITIES  | P-02 |
| I. Smith et al.<br>NUMERICAL SIMULATIONS OF PULSAR MAGNETOSPHERES                                  | P-03 |
| B. Zhang et al.<br>X-RAY LUMINOSITIES FROM THE SPIN-POWERED PULSARS                                | P-04 |
| P. Kaaret<br>PULSAR RADIATION AND QUANTUM GRAVITY  | P-05 |
| I.A. Grenier<br>TEMPORAL AND SPATIAL DISTRIBUTIONS OF THE UNIDENTIFIED EGRET SOURCES IN THE GALAXY | U-01 |
| P.M. Wallace et al.<br>A SYSTEMATIC SEARCH FOR SHORT-TERM VARIABILITY OF EGRET SOURCES             | U-02 |
| A. Carramiñana et al.<br>OPTICAL STUDIES OF POTENTIAL COUNTERPARTS FOR UNIDENTIFIED EGRET SOURCES  | U-03 |

**POSTER SESSION P1**  
**Wednesday, 8:30 AM – Thursday, 1:00 PM**

**GAMMA-RAY BURSTS**  
**(Section B)**

- R.M. Kippen et al. B-04  
GRB 990123: AN EXTRAORDINARY EXAMPLE OF AN ORDINARY GAMMA-RAY BURST?
- M. Böttcher B-05  
MODELING THE IRON LINE IN GRB AFTERGLOWS
- G. Pizzichini B-06  
HARDNESS RATIO AND GALACTIC LATITUDE IN GAMMA-RAY BURSTS
- V. Gupta et al. B-07  
ASYMMETRIC SUBPEAKS OF SHORT DURATION BURSTS

**FUTURE MISSIONS AND INSTRUMENTATION DEVELOPMENT**  
**(Section I)**

- P. Ubertini et al. I-07  
THE IBIS GAMMA-RAY TELESCOPE ON INTEGRAL
- J. Ángel Berná et al. (Presenter: J.M. Torrejón) I-08  
IMAGER ON BOARD INTEGRAL SATELLITE: IMAGING WITH THE PHYSICAL MASK
- G. DiCocco et al. I-09  
THE PICsIT HIGH-ENERGY DETECTOR OF IBIS: CALIBRATION OF THE ENGINEERING MODEL
- G. La Rosa et al. I-10  
THE SCIENCE SOFTWARE OF THE EGSE/QUICK-LOOK FOR THE IBIS INSTRUMENT ON-BOARD INTEGRAL SATELLITE
- A. Bazzano et al. et al. I-11  
IBIS DETECTABILITY OF THE BEPOSAX HARD TAILED SAMPLE OF BURSTERS
- A. Goldwurm et al. I-12  
OBSERVATION OF X-RAY NOVAE WITH INTEGRAL
- G. Vedrenne et al. I-13  
THE SPECTROMETER SPI OF THE INTEGRAL MISSION
- R.T. Skelton et al. I-14  
PULSE SHAPE DISCRIMINATION FOR INTEGRAL'S SPECTROMETER INSTRUMENT
- C. Shrader et al. I-15  
THE SPECTROMETER ON INTEGRAL (SPI): INSTRUMENT RESPONSE CHARACTERISTICS AND DATA ANALYSIS METHODS

## POSTER SESSION P1 (cont)

B.J. Teegarden et al. GENERATION OF INTEGRAL/SPI RESPONSE MATRICES	I-16
G.G. Lichti et al. THE $\gamma$ -RAY BURST-DETECTION SYSTEM OF THE INTEGRAL-SPECTROMETER SPI	I-17
N. Lund et al. (Presenter: S. Brandt) THE SCIENTIFIC ROLE OF JEM-X: THE X-RAY MONITOR ON INTEGRAL	I-18
A. Giménez et al. REAL-TIME OPTICAL MONITORING OF GAMMA-RAY SOURCES WITH THE OMC ONBOARD INTEGRAL	I-19
P. Dubath et al. THE INTEGRAL SCIENCE DATA CENTER	I-20
N.R. Trams et al. THE INTEGRAL SCIENCE OPERATIONS CENTRE (ISOC): FROM PROPOSAL TO OBSERVATION.	I-21
C. Perfect et al. MODELLING THE EFFECTS OF SOLAR FLARES ON INTEGRAL	I-22
G. Barbiellini et al. AGILE: INSTRUMENT OVERVIEW	I-23
R.P. Johnson et al. THE GLAST SILICON-STRIP TRACKING SYSTEM	I-24
B.F. Phlips et al. CSI HODOSCOPIC CALORIMETER FOR THE GLAST MISSION	I-25
Moiseev et al. (Presenter: D.J. Thompson) ANTICOINCIDENCE DETECTOR (ACD) FOR GLAST	I-26
W.R. Binns et al. FIBERGLAST: TEST RESULTS OF THE FIBER TRACKER SYSTEM	I-27
A. Chen et al. DETECTING THE ATTENUATION OF BLAZAR GAMMA-RAY EMISSION BY EXTRAGALACTIC BACKGROUND LIGHT WITH GLAST	I-28
D. Smith et al. (Presenter: K. Hurley) EXTRA-SOLAR ASTROPHYSICS WITH THE HIGH ENERGY SOLAR SPECTROSCOPIC IMAGER (HESSI)	I-29
Y. Terada et al. CAPABILITY OF THE ASTRO-E HARD X-RAY DETECTOR FOR HIGH-ENERGY TRANSIENTS AND $\gamma$ -RAY BURSTS	I-30
S. Brandt et al. BALLERINA - A SMALL GAMMA RAY BURST MISSION	I-31

## POSTER SESSION P1 (cont)

J. Matteson et al. CODED MASK IMAGING WITH CZT DETECTORS	I-32
K. Slavis et al. HIGH ALTITUDE BALLOON FLIGHTS OF POSITION SENSITIVE CdZnTe DETECTOR FOR HIGH ENERGY X-RAY ASTRONOMY	I-33
E. Kalemci et al. MODELLING OF CZT STRIP SETECTORS	I-34
Hamilton et al. (Presenter: V. Souchkov) PRELIMINARY RESULTS OF PIXEL DETECTOR DEVELOPMENT FOR X-RAY AND LOW ENERGY GAMMA-RAY ALL-SKY MONITOR (AXGAM)	I-35
S.C. Kappadath et al. MINUTE-OF-ARC RESOLUTION GAMMA RAY IMAGING EXPERIMENT — MARGIE	I-36
J. M. Ryan et al. THE DEVELOPMENT OF A POSITION-SENSITIVE CZT DETECTOR WITH ORTHOGONAL CO-PLANAR ANODE STRIPS	I-37
E. Aprile et al. (Presenter: U. Oberlack) PRELIMINARY RESULTS FROM THE BALLOON FLIGHT OF THE LIQUID XENON GAMMA-RAY IMAGING TELESCOPE LXEGRIT	I-38
T.J. O'Neill et al. A TRACKING AND IMAGING GAMMA-RAY TELESCOPE (TIGRE) FOR ENERGIES OF 0.3 TO 100 MEV	I-39
R. Kroeger et al. LARGE VOLUME GERMANIUM DETECTORS FOR THE ADVANCED COMPTON TELESCOPE	I-40
Schopper et al. (Presenter: G. Kanbach) MEGA - A NEW MEDIUM ENERGY (0.5 - 50 MEV) GAMMA-RAY TELESCOPE	I-41
Caroli et al. (Presenter: J.B. Stephen) THE CIPHER TELESCOPE FOR HARD X- AND SOFT $\gamma$ -RAY POLARIMETRY	I-42
S.J. Sturmer et al. MGEANT - A GEANT-BASED MULTI-PURPOSE SIMULATION PACKAGE FOR GAMMA-RAY ASTRONOMY MISSIONS	I-43
R. Gurriaran APPLICATION OF THE GEANT4 RADIATION TRANSPORT TOOLKIT TO SPACE RADIATION EFFECTS STUDIES	I-44

## POSTER SESSION P1 (cont)

### VHE/UHE GAMMA-RAY ASTRONOMY (Section V)

- T.C. Weekes et al. V-09  
THE VERY ENERGETIC RADIATION IMAGING TELESCOPE ARRAY SYSTEM (VERITAS)
- MILAGRO Collaboration (Presenter: B. Dingus) V-10  
RESULTS FROM THE MILAGRITO TEV OBSERVATORY
- Chadwick et al. (Presenter: K.E. Turver) V-11  
THE UNIVERSITY OF DURHAM MARK 6 GAMMA RAY TELESCOPE
- Chadwick et al. (Presenter: K.E. Turver) V-12  
A SEARCH FOR VHE GAMMA RAYS FROM YOUNG PULSARS AND SUPERNOVA REMNANTS IN THE SOUTHERN HEMISPHERE

### X-RAY BINARIES (Section X)

- W.T. Vestrand et al. X-15  
LIMITS ON PARTICLE ACCELERATION BY BLACK HOLES IN X-RAY BINARIES
- C. Shrader et al. X-16  
PHYSICAL PARAMETER ESTIMATION IN BLACK HOLE X-RAY BINARIES
- K. Pottschmidt et al. X-17  
MONITORING THE SHORT-TERM VARIABILITY OF CYG X-1 WITH RXTE
- T.J. Maccarone et al. X-18  
THE AUTOCORRELATION FUNCTION OF CYG X-1
- M.L. McConnell et al. X-19  
THE VARIABILITY OF CYGNUS X-1 AT MEV ENERGIES
- J. Wilms et al. X-20  
LONG TERM RXTE MONITORING OF LMC X-3: EVIDENCE FOR A WARPED ACCRETION DISK?
- D. Lin et al. X-21  
SIMULTANEOUS OBSERVATIONS OF GRS 1758-258 IN 1997 BY VLA, RXTE AND OSSE:  
SPECTROSCOPY AND TIMING
- J.E. Grove et al. X-22  
BROADBAND STUDIES OF BHCs IN THE HIGH, SOFT STATE
- Borozdin et al. X-23  
OBSERVATIONS OF SOME X-RAY TRANSIENTS WITH RXTE

## POSTER SESSION P1 (cont)

S. Nayakshin et al. TIME DEPENDENT ACCRETION DISK MODELS OF GRS 1915+105	X-24
K. Yamaoka et al. ASCA OBSERVATIONS OF THE SUPERLUMINAL JET SOURCE GRO J1655-40	X-25
L. Titarchuk et al. SPECTROSCOPY OF QUASI-PERIODIC OSCILLATIONS IN THE LOW-MASS X-RAY NEUTRON STAR BINARIES	X-26
W.A. Heindl et al. RXTE STUDIES OF CYCLOTRON LINES IN ACCRETING PULSARS	X-27
Staubert et al. (Presenter: J. Wilms) HER X-1: CORRELATED VARIABILITY OF THE 1.24 SEC AND THE 35 DAY PERIODS	X-28
W. Coburn et al. HERCULES X-1 EXTENDED LOW STATE	X-29
P. Kretschmar et al. WIND ACCRETION IN VELA X-1	X-30
C.A. Wilson et al. GRO J2058+42 OBSERVATIONS WITH BATSE AND RXTE	X-31
N.R. Robba et al. BEPOSAX OBSERVATION OF THE X-RAY PULSAR 4U1538-52	X-32
Cocchi et al. (Presenter: P. Ubertini) BRIGHT X-RAY BURSTS FROM 1E1724-3045 IN TERZAN 2	X-33
D. Dal Fiume et al. BEPOSAX OBSERVATION OF THE PECULIAR X-RAY SOURCE 4U1700+24	X-34
C.-S. Choi et al. ON THE RAPID SPIN-DOWN AND LOW LUMINOSITY ACCRETION IN AE AQR	X-35
B. McNamara et al. THE CORRELATED OPTICAL AND X-RAY BEHAVIOR OF SCO X-1	X-36

**POSTER SESSION P2**  
**Thursday, 2:00 PM – Friday, 5:30 PM**

**AGN, GALAXY CLUSTERS AND NORMAL GALAXIES**  
**(Section A)**

S. Nayakshin et al. A SELF-CONSISTENT STUDY OF THE IONIZED X-RAY REFLECTION IN AGN AND GBHCS	A-16
S. Nayakshin AN EXPLANATION FOR THE “X-RAY BALDWIN” EFFECT	A-17
F. Takahara PHYSICS OF RELATIVISTIC JETS IN BLAZARS	A-18
T. Yamasaki et al. A NOVEL MECHANISM OF THE FORMATION OF ELECTRON-POSITRON OUTFLOW FROM HOT ACCRETION DISKS	A-19
C. Dermer et al. MODEL FOR THE REDSHIFT AND LUMINOSITY DISTRIBUTIONS OF GAMMA-RAY BLAZARS	A-20
M. Kusunose et al. TIME VARIABILITY OF EMISSION AND ELECTRON ACCELERATION IN BLAZARS	A-21
H. Krawczynski et al. AN X-RAY/VHE MULTIWAVELENGTH STUDY OF MKN 501 DURING ITS EXTRAORDINARY OUTBURST OF 1997	A-22
P. Sreekumar et al. GEV OUTBURST IN MRK501	A-23
P. Coppi et al. TIME DEPENDENT MODELING OF THE X-RAY AND VHE EMISSION OF THE BL LAC OBJECT MKN 501 IN THE FRAMEWORK OF SYNCHROTRON SELF COMPTON MODELS	A-24
G. Fossati et al. TEMPORAL AND SPECTRAL EVOLUTION OF THE X--RAY EMISSION OF THE TeV BLAZAR MKN 421	A-25
S.D. Bloom et al. (Presenter: D.J. Thompson) ANALYSIS OF THE GROUND BASED DATA FOR 3C279: 1990-1999	A-26
R. Hartman et al.(Presenter: D.J. Thompson) GAMMA-RAY SPECTRAL VARIATION DURING THE FEBRUARY 1996 3C 279 FLARE	A-27
J.R. Mattox et al. MULTIWAVELENGTH STUDIES OF PKS 1622-297 — THE BRIGHTEST EGRET BLAZAR	A-28
G.E. Romero et al. MICROVARIABILITY IN THE SOUTHERN $\gamma$ -RAY BLAZAR PKS 0537-441	A-29

## POSTER SESSION P2 (cont)

O. Williams et al. (Presenter: H. Steinle) EVIDENCE FOR EMISSION IN THE MEV BAND FROM GRO J1837+59 AND QSO 1739+522	A-30
A.J. Dean et al. BATSE MONITORING OF BLAZARS	A-31
J.G. Stacy et al. LIMITS ON MEV EMISSION FROM ACTIVE GALAXIES MEASURED WITH COMPTEL	A-32
H. Teräsranata SPECTRAL PROPERTIES OF GAMMA-RAY DETECTED BLAZARS FROM 5 TO 37 GHz	A-33
S. Marchenko et al. COMPARISON OF EPOCHS OF EJECTION OF SUPERLUMINAL COMPONENTS WITH THE $\gamma$ -RAY LIGHT CURVES OF EGRET BLAZARS	A-34
A. Marscher et al. THE COMPACT RADIO JETS OF 41 $\gamma$ -RAY BLAZARS: STATISTICS	A-35
Y.C. Lin et al. SOME ASPECTS OF THE RADIO EMISSION OF EGRET-DETECTED BLAZARS	A-36
A. Lähteenmäki et al. THE RADIO/GAMMA-RAY CONNECTION IN AGNS	A-37
M. Tornokoski et al. MILLIMETER-WAVE BEHAVIOUR OF EGRET-DETECTED AND NON-EGRET-DETECTED AGNS	A-38
W.A. Mahoney et al. NEAR-INFRARED OBSERVATIONS OF GAMMA-RAY BLAZARS	A-39
O.M. Kurtanidze et al. MULTIBAND CCD MONITORING OF BLAZARS AT ABASTUMANI	A-40
O.M. Kurtanidze et al. LONG-TERM AND INTRANIGHT VARIABILITY OF BL LAC DURING 1997 GREAT OUTBURST AND POST OUTBURST ERA	A-41
Malizia et al. (Presenter: G. DiCocco) BEPPOSAX/PDS STUDY OF THE PICCINOTTI SAMPLE OF AGN	A-42
H. Steinle THE DEDICATED CENTAURUS A WEB PAGES	A-43
Bassani et al. (Presenter: J.B. Stephen) BEPPOSAX HARD X-RAY OBSERVATIONS OF CLUSTER OF GALAXIES	A-44
A. Carramiñana et al. GAMMA-RAYS FROM NEARBY GALAXIES: FROM STAR FORMATION TO NUCLEAR ACTIVITY	A-45

## POSTER SESSION P2 (cont)

### SOURCE CATALOGS AND DATA ANALYSIS METHODS

#### (Section C)

- D.C. Messina et al. C-01  
A CATALOG OF OSSE OBSERVATIONS OF DISCRETE SOURCES
- V. Schönfelder et al. C-02  
THE FIRST COMPTEL SOURCE CATALOGUE.
- W. Collmar et al. C-03  
COMPTEL TIME-AVERAGED ALL-SKY POINT SOURCE ANALYSIS
- G. Weidenspointner et al. C-04  
THE COMPTEL INSTRUMENTAL-LINE BACKGROUND
- H. Bloemen et al. C-05  
BACKGROUND MODELLING IN COMPTEL  $^{26}\text{Al}$  1.8 MeV STUDIES
- H. Steinle C-06  
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- O. Reimer et al. U-04  
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<b>Lead Author</b>	<b>Paper Id</b>	<b>Type</b>	<b>Session</b>	<b>Presenter</b>
Akerlof	B-02	INVITED	1	Carl Akerlof
Ángel Berná	I-08	POSTER	P1	J.Miguel Torrejón
Aprile	I-38	POSTER	P1	Uwe Oberlack
Arndt	S-04	POSTER	P2	Martina B. Arndt
Barbiellini	I-23	POSTER	P1	Guido Barbiellini
Bassani	A-44	POSTER	P2	J.B. Stephen
Bazzano	I-11	POSTER	P1	A. Bazzano
Bertsch	U-06	POSTER	P2	D. L. Bertsch
Binns	I-27	POSTER	P1	W.R. Binns
Bloemen	C-05	POSTER	P2	Hans Bloemen
Bloemen	D-08	ORAL	8	Hans Bloemen
Bloom	A-26	POSTER	P2	David J. Thompson
Borozdin	X-23	POSTER	P1	Borozdin
Böttcher	A-04	ORAL	3	Markus Böttcher
Böttcher	B-05	POSTER	P1	Markus Böttcher
Braga	X-07	ORAL	2	João Braga
Brandt	I-31	POSTER	P1	Soren Brandt
Caroli	I-42	POSTER	P1	J.B. Stephen
Carramiñana	A-45	POSTER	P2	A. Carramiñana
Carramiñana	U-03	ORAL	11	A. Carramiñana
Catanese	V-01	INVITED	4	Michael Catanese
Chadwick	V-08	ORAL	4	K. E. Turver
Chadwick	V-11	POSTER	P1	K. E. Turver
Chadwick	V-12	POSTER	P1	K. E. Turver
Chadwick	X-14	ORAL	9	K. E. Turver
Chen	I-28	POSTER	P1	Andrew Chen
Choi	X-35	POSTER	P1	Chul-Sung Choi
Coburn	X-29	POSTER	P1	W. Coburn
Cocchi	X-10	ORAL	9	P. Ubertini
Cocchi	X-33	POSTER	P1	P.Ubertini
Collmar	A-08	ORAL	6	Werner Collmar
Collmar	C-03	POSTER	P2	Werner Collmar
Combi	N-10	POSTER	P2	Jorge A. Combi
Connell	D-10	POSTER	P2	James J. Connell
Coppi	A-24	POSTER	P2	Paolo Coppi
Covault	V-03	ORAL	4	Corbin E. Covault
Cusumano	X-08	ORAL	9	G.Cusumano
Czerny	A-02	ORAL	3	B. Czerny
Dal Fiume	X-04	ORAL	2	Daniele Dal Fiume
Dal Fiume	X-34	POSTER	P1	Daniele Dal Fiume
Dean	A-31	POSTER	P2	A.J. Dean
Del Sordo	X-09	ORAL	9	S. Del Sordo
Dermer	A-01	ORAL	3	Charles Dermer
Dermer	A-20	POSTER	P2	Charles Dermer

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DiCocco	I-09	POSTER	P1	G. Di Cocco
Diehl	D-04	INVITED	8	Roland Diehl
Diehl	D-15	POSTER	P2	Roland Diehl
Digel	C-08	POSTER	P2	Seth Digel
Dixon	C-11	POSTER	P2	Dave Dixon
Dixon	D-17	POSTER	P2	Dave Dixon
Djannati-Ataï	V-06	ORAL	4	A. Djannati-Ataï
Dogiel	A-15	ORAL	6	V.A.Dogiel
Dubath	I-20	POSTER	P1	Pierre Dubath
Edwards	A-10	ORAL	6	Philip Edwards
Ellison	N-01	ORAL	10	Donald C. Ellison
Emslie	S-01	INVITED	5	Gordon Emslie
Falcone	S-05	POSTER	P2	Abe Falcone
FiberGLAST	I-05	ORAL	7	G. Pendleton
Fossati	A-25	POSTER	P2	Giovanni Fossati
Gehrels	I-01	INVITED	7	Neil Gehrels
Gehrels	O-01	ORAL	1	Neil Gehrels
Georgii	N-03	ORAL	10	R. Georgii
Giménez	I-19	POSTER	P1	A. Giménez
Goldwurm	I-12	POSTER	P1	Andrea Goldwurm
Grandi	A-12	ORAL	6	Paola Grandi
Grenier	U-01	ORAL	11	I.A. Grenier
Grove	X-22	POSTER	P1	J. Eric Grove
Gupta	B-07	POSTER	P1	Varsha Gupta
Gurriaran	C-10	POSTER	P2	R. Gurriaran
Gurriaran	I-44	POSTER	P1	R. Gurriaran
Hamilton	I-35	POSTER	P1	Vitali Souckov
Hannikainen	X-02	ORAL	2	Diana Hannikainen
Harris	D-13	POSTER	P2	Michael J. Harris
Harris	N-13	POSTER	P2	Michael J. Harris
Hartman	A-27	POSTER	P2	D.J. Thompson
Heindl	X-05	ORAL	2	William A. Heindl
Heindl	X-27	POSTER	P1	William A. Heindl
Hernanz	N-05	ORAL	10	Margarita Hernanz
Hernanz	N-12	POSTER	P2	Margarita Hernanz
Hurley	B-01	INVITED	1	Kevin Hurley
Iannone	X-13	ORAL	9	G. Iannone
Iyudin	N-04	ORAL	10	A. Iyudin
Iyudin	N-14	POSTER	P2	A. Iyudin
Johnson	I-24	POSTER	P1	Robert P. Johnson
Kaaret	P-05	ORAL	11	Philip Kaaret
Kaaret	X-12	ORAL	9	Philip Kaaret
Kalemci	I-34	POSTER	P1	Emrah Kalemci
Kappadath	I-36	POSTER	P1	S. Cheenu Kappadath

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Kaspi	P-01	ORAL	11	V. M. Kaspi
Kazanas	A-03	ORAL	3	Demosthenes Kazanas
Kippen	B-04	POSTER	P1	R.M. Kippen
Knödlseeder	D-07	ORAL	8	Jürgen Knödlseeder
Krawczynski	A-06	ORAL	3	Henric Krawczynski
Krawczynski	A-22	POSTER	P2	Henric Krawczynski
Kretschmar	X-30	POSTER	P1	Peter Kretschmar
Kroeger	I-40	POSTER	P1	Richard Kroeger
Kudryashov	N-06	ORAL	10	A.D. Kudryashov
Kurfess	I-06	ORAL	7	J. D. Kurfess
Kurtanidze	A-40	POSTER	P2	Omar M. Kurtanidze
Kurtanidze	A-41	POSTER	P2	Omar M. Kurtanidze
Kusunose	A-21	POSTER	P2	Masaaki Kusunose
La Rosa	I-10	POSTER	P1	G. La Rosa
Lähteenmäki	A-37	POSTER	P2	A. Lähteenmäki
Leising	N-02	ORAL	10	Mark D. Leising
Leising	N-07	ORAL	10	Mark D. Leising
Liang	X-01	ORAL	2	Edison Liang
Lichti	I-17	POSTER	P1	G.G. Lichti
Lin	A-36	POSTER	P2	Y.C. Lin
Lin	X-21	POSTER	P1	D. Lin
Lund	I-18	POSTER	P1	Søren Brandt
Maccarone	X-18	POSTER	P1	Thomas J. Maccarone
Mahoney	A-39	POSTER	P2	William A. Mahoney
Malizia	A-42	POSTER	P2	G. Di Cocco
Marchenko	A-34	POSTER	P2	Svetlana Marchenko
Marscher	A-35	POSTER	P2	Alan Marscher
Matteson	I-32	POSTER	P1	James L. Matteson
Mattox	A-28	POSTER	P2	John R. Mattox
McConnell	X-19	POSTER	P1	Mark McConnell
McLaughlin	P-02	ORAL	11	Maura McLaughlin
McNamara	X-36	POSTER	P1	Bernie McNamara
Messina	C-01	POSTER	P2	Daniel C. Messina
Michelson	I-04	ORAL	7	Peter F. Michelson
MILAGRO	V-04	ORAL	4	J.A. Goodman
MILAGRO	V-05	ORAL	4	Richard S. Miller
MILAGRO	V-10	POSTER	P1	Brenda L. Dingus
Milne	D-05	INVITED	8	Peter A. Milne
Milne	D-12	POSTER	P2	Peter A. Milne
Mohanty	V-07	ORAL	4	G. Mohanty
Moiseev	I-26	POSTER	P1	D.J. Thompson
Mukherjee	U-10	POSTER	P2	Reshmi Mukherjee
Murphy	S-02	POSTER	P2	R. J. Murphy
Nayakshin	A-16	POSTER	P2	Sergei Nayakshin

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Nayakshin	A-17	POSTER	P2	Sergei Nayakshin
Nayakshin	X-24	POSTER	P1	Sergei Nayakshin
O'Neill	I-39	POSTER	P1	T. J. O'Neill
Perfect	I-22	POSTER	P1	Charlotte Perfect
Phlips	I-25	POSTER	P1	B. F. Phlips
Piner	A-11	ORAL	6	B.G. Piner
Pizzichini	B-06	POSTER	P1	Graziella Pizzichini
Plüschke	D-06	ORAL	8	S.Plüschke
Plüschke	D-14	POSTER	P2	S.Plüschke
Pottschmidt	X-17	POSTER	P1	Katja Pottschmidt
Preite-Martinez	N-11	POSTER	P2	A.Preite-Martinez
Reimer	U-04	POSTER	P2	O. Reimer
Reimer	U-11	POSTER	P2	O. Reimer
Robba	X-32	POSTER	P1	Natale R. Robba
Romero	A-29	POSTER	P2	Gustavo E. Romero
Romero	U-05	POSTER	P2	Gustavo E. Romero
Ryan	I-37	POSTER	P1	Jim Ryan
Santangelo	X-06	ORAL	2	A. Santangelo
Sari	B-03	INVITED	1	Re'em Sari
Schönfelder	C-02	POSTER	P2	V. Schönfelder
Schopper	I-41	POSTER	P1	G. Kanbach
Shrader	I-15	POSTER	P1	Chris Shrader
Shrader	X-16	POSTER	P1	Chris Shrader
Shu	A-09	ORAL	6	Zhang Shu
Skelton	I-14	POSTER	P1	Robert T. Skelton
Slavis	I-33	POSTER	P1	Kim Slavis
Smith	I-29	POSTER	P1	Kevin Hurley
Smith	P-03	ORAL	11	Ian Smith
Sreekumar	A-23	POSTER	P2	P. Sreekumar
Sreekumar	D-02	INVITED	5	P. Sreekumar
Stacy	A-32	POSTER	P2	J. Gregory Stacy
Staubert	X-28	POSTER	P1	Jörn Wilms
Steinle	A-43	POSTER	P2	Helmut Steinle
Steinle	C-06	POSTER	P2	Helmut Steinle
Strickman	X-11	ORAL	9	Mark Strickman
Strong	D-01	INVITED	5	A.W. Strong
Strong	D-09	POSTER	P2	A.W. Strong
Strong	N-15	POSTER	P2	A.W. Strong
Sturner	D-16	POSTER	P2	Steven J. Sturner
Sturner	I-43	POSTER	P1	Steven J. Sturner
Tagger	X-03	ORAL	2	Michel Tagger
Takahara	A-18	POSTER	P2	Fumio Takahara
Takahashi	A-05	ORAL	3	Tadayuki Takahashi
Tavani	I-03	ORAL	7	Marco Tavani

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Tavani	U-07	POSTER	P2	Marco Tavani
Tavani	U-08	POSTER	P2	Marco Tavani
Teegarden	I-16	POSTER	P1	B. J. Teegarden
Terada	I-30	POSTER	P1	Yukikatsu Terada
Teräsranata	A-33	POSTER	P2	Teräsranata H.
The	N-08	POSTER	P2	Lih-Sin The
The	N-09	POSTER	P2	Lih-Sin The
Thompson	C-07	POSTER	P2	D.J. Thompson
Thompson	U-09	POSTER	P2	D.J. Thompson
Titarchuk	X-26	POSTER	P1	Lev Titarchuk
Tornikoski	A-38	POSTER	P2	Merja Tornikoski
Trams	I-21	POSTER	P1	N.R.Trams
Ubertini	I-07	POSTER	P1	P.Ubertini
Vedrenne	I-13	POSTER	P1	G. Vedrenne
Vestrand	A-07	ORAL	3	Tom Vestrand
Vestrand	C-09	POSTER	P2	Tom Vestrand
Vestrand	X-15	POSTER	P1	Tom Vestrand
Wallace	U-02	ORAL	11	P. M. Wallace
Watanabe	D-11	POSTER	P2	Ken Watanabe
Weekes	V-09	POSTER	P1	Trevor C. Weekes
Weidenspointner	C-04	POSTER	P2	Georg Weidenspointner
Weidenspointner	D-03	ORAL	5	Georg Weidenspointner
Westmore	A-14	ORAL	6	R. Gurriaran
Williams	A-30	POSTER	P2	H. Steinle
Wilms	X-20	POSTER	P1	Jörn Wilms
Wilson	X-31	POSTER	P1	Colleen A. Wilson
Winkler	I-02	INVITED	7	Christoph Winkler
Yamaoka	X-25	POSTER	P1	Kazutaka Yamaoka
Yamasaki	A-19	POSTER	P2	T.Yamasaki
Yi	A-13	ORAL	6	Insu Yi
Young	S-03	POSTER	P2	C.A.Young
Zhang	P-04	ORAL	11	Bing Zhang
Zweerink	V-02	ORAL	4	Jeffrey A. Zweerink