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Publication List

I. Publications in refereed Journals

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In: Proceedings of the Heidelberg 'Workshop on GAMMA-RAY EMITTING AGN'; eds. J.G. Kirk, M. Camenzind, C. v. Montigny, S. Wagner, Heidelberg, Germany (1996), p. 9-14

2) W. Collmar:
Gamma-Emission von stellaren Schwarzen Löchern (Zeichnen sich die Kandidaten für stellare Schwarze Löcher durch eine besondere Gamma-Emission aus?)
Pressemitteilung der MPG anläßlich 5 Jahre Compton Gammastrahlen-Observatorium (1996)

3) R.C. Hartman, W. Collmar, C. v. Montigny, C.D. Dermer:
Gamma-Ray Blazars
Review Article in AIP Conference Proceedings 410, 307 (1997)

4) W. Collmar & V. Schönfelder:
Evidence for massive Black Holes in the Nuclei of Active Galaxies from Gamma-Ray Observations
Lecture in Proc. of 179. Heräus Seminar on **"Black Holes: Theory and Observation"**; Lecture Notes in Physics 514, eds. F.W. Hehl, C. Kiefer, J.K. Metzler, 1998, p. 37-59

5) W. Collmar:
On the Characteristics and Nature of Gamma-ray Blazars / Die Eigenschaften und die Natur der Gamma-Blasare
Highlight Article in the MPE Annual Report 1997, p. 80

6) W. Collmar:
Die Eigenschaften und die Natur der Gamma-Blasare
Jahrbuch der Max-Planck-Gesellschaft 1998, p. 630

7) W. Collmar:
News from CGRO COMPTEL
Review Article in Proc. of the Frascati Workshop 1999 'Multifrequency Behaviour of Cosmic Sources", Vulcano (Italy), 2000, in press

8) W. Collmar:
AGN: The High-Energy Status before INTEGRAL
Proc. of the 4th INTEGRAL Workshop "Exploring the Gamma-Ray Universe", ESA SP 459 (2001), eds.: A. Gimenez, V. Reglero, and C. Winkler, 241

III. Contributions to Books

1) W. Collmar:
Gamma-Ray Emission of Active Galaxies
Chapter in the book 'The Universe in Gamma Rays', eds. V. Schönfelder, 2001, A&A Library Series

2) W. Collmar:
X-Ray Binaries as Gamma-Ray Sources
Chapter in the book 'The Universe in Gamma Rays', eds. V. Schönfelder, 2001, A&A Library Series

IV. Selected non-refereed Publications

1) E. Kendziorra, W. Collmar, H. Brunner, R. Staubert, W. Pietsch:
Spectral and Time Variability of GX 5-1
Space Science Reviews 40, 361 (1985)

2) W. Collmar, E. Kendziorra, R. Staubert:
Spectral and QPO Analysis of GX 5-1 at very high intensity
Advances in Space Research 8, 411 (1988)

3) W. Collmar & D. Gruber:
Correlations between pulse shape and X-ray Luminosity in compact X-ray pulsars
Bulletin of the American Astronomical Society 20, 1044 (1988)

4) W. Collmar & D. Gruber:
Correlations between X-ray Luminosity and Pulse Shape as well as Spectral Shape in Binary X-ray Pulsars
Proceedings of 23rd ESLAB Symposium, 353 (1989)

5) V. Schönfelder, W. Collmar, R. Diehl, G.G. Lichti, H. Steinle,, A. Strong, M. Varendorff, H. Bloemen, H. de Boer, R. v. Dijk, J.W. den Herder, W. Hermsen, L. Kuiper, B. Swanenburg, C. de Vries, A. Connors, D. Forrest, M. McConnell, D. Morris, J. Ryan, G. Stacy, K. Bennett, B.G. Taylor, C. Winkler:
Initial Results from COMPTEL - an Overview
In: Proceedings of the Compton Symposium in St. Louis (USA), AIP Conf. Proc. 280, p. 21-29 (1993)

6) R. Diehl, W. Collmar, G. Lichti, V. Schönfelder, A. Strong, H. Bloemen, C. Dupraz, C. de Vries, W. Hermsen, B.N. Swanenburg, D. Morris, M. Varendorff, C. Winkler:
COMPTEL Measurements of 1.809 MeV Gamma-Ray Line Emission from the Galactic Plane
In: Proceedings of the Compton Symposium in St. Louis (USA), AIP Conf. Proc. 280, p. 40-46 (1993)

7) G.G. Lichti, W. Collmar, R. Diehl, V. Schönfelder, A. Strong , D. Morris, J. Ryan, Bloemen, H. de Boer, R. van Dijk, W. Hermsen, K. Bennett, M. Busetta, C. Winkler:
Search for Gamma-Ray Line Emission from Supernova SN 1991T with COMPTEL
In: Proceedings of the Compton Symposium St. Louis (USA), AIP Conf. Proc. 280, p. 147-148 (1993)

8) W. Collmar, R. Diehl, G.G. Lichti, V. Schönfelder, H. Steinle, A.W. Strong, H. Bloemen, J.W. den Herder, W. Hermsen, B.N. Swanenburg, C. de Vries, M. McConnell, J. Ryan, G. Stacy, K. Bennett, O.R. Williams, C. Winkler:
Search for Gamma-Ray Emission from AGN with COMPTEL
In: Proceedings of the Compton Symposium in St. Louis (USA), AIP Conf. Proc. 280, p. 483-487 (1993)

9) W. Collmar, H. Bloemen, K. Bennett, R. Diehl, W. Hermsen, M. McConnell, G. Lichti, J. Ryan, V. Schönfelder, G. Stacy, H. Steinle, A. Strong, O.R. Williams:
Preliminary COMPTEL Results on the Quasar PKS 0528+134
In: Proc. of 23rd ICRC, Vol. 1, p. 168, Calgary, Canada (1993)

10) W. Collmar, K. Bennett, H. Bloemen, R. Diehl, W. Hermsen, M. McConnell, G.G. Lichti, J. Ryan, V. Schönfelder, J.G. Stacy, H. Steinle, A. Strong, O.R. Williams, C. Winkler:
COMPTEL Observations of the Quasar PKS 0528+134
In: AIP Conf. Proc. 304, 659 (1994); eds.: Fichtel, C.E., Gehrels, N. and Norris, J.P.

11) W. Collmar, K. Bennett, H. Bloemen, W. Hermsen, M M. McConnell, R. Much, J. Ryan, V. Schönfelder, J.G. Stacy, H. Steinle, A.W. Strong, O.R. Williams:
Preliminary COMPTEL Results from the CGRO Deep Virgo Survey
In: Seventeenth Texas Symp. on Relativistic Astrophys. and Cosmology, Eds. W. Voges et al., MPE Report 261, 33 (1995)

12) W. Collmar, M. McConnell, K. Bennett, R. van Dijk, W. Hermsen, V. Schönfelder, H. Steinle:
Search for MeV Emission from the X-ray Binary Cyg X-3
In: Proc. of 24th ICRC, Vol. 2, p. 170, Rome, Italy (1995)

13) M. Kippen, A. Connors, M. McConnell, J. Ryan, W. Collmar, J. Greiner, V. Schönfelder, M. Varendorff, W. Hermsen, L. Kuiper:
Strong gamma-ray bursts observed by COMPTEL during its second year of operation
In: Advances in Space Research 15, No. 5, 139 (1995)

14) H. Steinle, K. Bennett, H. Bloemen, W. Collmar, R. Diehl, W. Hermsen, G. Lichti, M. McConnell, D. Morris, R. Much:
CGRO-COMPTEL observations of the Centaurus A region
Advances in Space Research 15 No. 5, 37 (1995)

15) W. Collmar, K. Bennett, H. Bloemen, J.J. Blom, W. Hermsen, M. McConnell, V. Schönfelder, J.G. Stacy, O.R. Williams:
Evidence for γ-ray -Flares in 3C 279 and PKS 1622-297 at $\sim$10 MeV
AIP Conference Proceedings 410, 1341 (1997)

16) W. Collmar, U. Wessolowski, K. Bennett, C. Kappadath, M. McConnell, V. Schönfelder, G. Weidenspointner:
Improved COMPTEL 10-30 MeV Event Selections for Point Sources from Inflight Data
AIP Conference Proceedings 410, 1587 (1997)

17) I. Moskalenko, W. Collmar, V. Schönfelder:
A new Model for the high-energy emission of Cyg X-1
AIP Conference Proceedings 410, 863 (1997)

18) M. McConnell, K. Bennett, W. Collmar, R. van Dijk, D. Forrest, W. Hermsen, R. Much, J. Ryan, V. Schönfelder, H. Steinle, A. Strong:
Latest COMPTEL Results on galactic black hole candidates
In: Advances in Space Research 19, 25 (1997)

19) W. Collmar, J.J. Blom, K. Bennett, H. Bloemen, W. Hermsen, J. Ryan, V. Schönfelder, J.G. Stacy, O.R. Williams:
COMPTEL Observations of 3C 279 during the first 4 Years of the CGRO Mission
In: Proc. of the 25th ICRC, Durban, South Africa, Vol. 3, 101 (1997)

20) W. Collmar, K. Bennett, H. Bloemen, W. Hermsen, J. Ryan, V. Schönfelder, H. Steinle, O.R. Williams:

COMPTEL MeV Observations of the TeV Sources Markarian 421 and Markarian 501
In: Proc. of the 26th ICRC, Salt Lake City, USA; eds. D. Kieda, M. Salamon, B. Dingus, Vol. 3, p. 374 (1999)

21) W. Collmar, Benlloch S., Grove J.E., Hartman R.C., Heindl W.A., Kraus A., Tersranta H., Villata M., Bennett K., Bloemen H., Johnson W.N., Krichbaum T., Raiteri C.M., Ryan J., Sobrito G., Schnfelder V., Williams O.R., Wilms J.:
Multifrequency Observations of the Virgo Blazars 3C 273 and 3C 279 in the CGRO Cycle 8
Proceedings of the 5th Compton Symposium: AIP Conference Proceedings 510, 303 (2000)

22) W. Collmar, Schönfelder V., Strong A.W., Bloemen H., Hermsen W., McConnell M., Ryan J., Bennett K.:
COMPTEL Time-Averaged All-Sky Point Source Analysis
Proceedings of the 5th Compton Symposium: AIP Conference Proceedings 510, 591 (2000)

23) A.W. Strong, W. Collmar, K. Bennett, H. Bloemen, R. Diehl, W. Hermsen, A. Iyudin, H. Mayer-Hasselwander, J. Ryan, V. Schönfelder:
COMPTEL Observations of a Source in the Direction of the Galactic Centre
Proceedings of the "Gamma 2001 Symposium, AIP Conference Proceedings 587, 21, 2001, eds. S. Ritz, N. Gehrels, C.R. Shrader

24) M.L. McConnell, K. Bennett, H. Bloemen, W. Collmar, W. Hermsen, L. Kuiper, W. Paciesas, B. Phlips, J. Poutanen, J.M. Ryan, V. Schönfelder, H. Steinle, A.W. Strong, A.A. Zdziarski:
Gamma-Ray Spectral variability of Cygnus X-1
Proceedings of the "Gamma 2001 Symposium, AIP Conference Proceedings 587, 96, 2001, eds. S. Ritz, N. Gehrels, C.R. Shrader

25) W. Collmar, V. Schönfelder, S. Zhang, H. Bloemen, W. Hermsen, M. McConnell, K. Bennett, O.R. Williams:
COMPTEL Observations of the Virgo Blazars 3C 273 and 3C 279
Proceedings of the "Gamma 2001 Symposium, AIP Conference Proceedings 587, 271, 2001, eds. S. Ritz, N. Gehrels, C.R. Shrader

26) S. Zhang, W. Collmar, V. Schönfelder, H. Bloemen, W. Hermsen, M. McConnell, K. Bennett, O.R. Williams:
COMPTEL Observations of the Blazars 3C 454.3 and CTA 102
Proceedings of the "Gamma 2001 Symposium, AIP Conference Proceedings 587, 343, 2001, eds. S. Ritz, N. Gehrels, C.R. Shrader

27) W. Collmar:
AGN at MeV Gamma-Ray Energies
Proceedings of "Lighthouses of the Universe: The most luminous celestial objects and their use for Cosmology", 280, 2002, eds. M. Gilfanov, R. Sunyaev, E. Churazov,

28) S. Zhang, W. Collmar, V. Schönfelder:
High Energy properties of the Gamma-Ray Blazars PKS 1622-297, 3C 454.3 and CTA 102
Proceedings of "Lighthouses of the Universe: The most luminous celestial objects and their use for Cosmology", 301, 2002, eds. M. Gilfanov, R. Sunyaev, E. Churazov,

29) S. Zhang, W. Collmar, V. Schönfelder:

Recent Progress on AGN and Unidentified Gamma-Ray Sources at MeV Energies
Chinese Journal of Astronomy and Astrophysics (2003), in press

30) W. Collmar:
The MeV View on Blazars
ASP Conference Series (2003), in press

31) W. Collmar:
AGN: The Gamma-Ray Status after CGRO
Proceedings of Chinese-German Workshop on AGN (2003), in press

V. Talks

Colloquium Talks, Lectures

1) **COMPTEL Beobachtungen von AGNs im niederenergetischen Gamma-Bereich**
Talk at the astrophysical colloquium of the 'Astronomische Institut der Universitt Tübingen', Tübingen (Germany) on 7.6.1993

2) **COMPTEL Measurements of AGN**
Talk at the astrophysical colloquium of the 'University of California, Riverside', Riverside (USA) on 9.11.1994

3) **COMPTEL Beobachtungen von Aktiven Galaktischen Kernen bei MeV Energien**
Talk at the astrophysical colloquium of the Landessternwarte Heidelberg, Heidelberg (Germany) on 19.7.1995

4) **Evidence for massive Black Holes in the Nuclei of Active Galaxies from Gamma-ray Observations**
Lecture at the 179th WE-Heraeus Seminar 'Black Holes: Theory and Observation', Bad Honnef (Germany) on 22.8.1997

5) **The Definite Proofs of the Existence of Black Holes**
Panel Discussion at the 179th WE-Heraeus Seminar 'Black Holes: Theory and Observation', Bad Honnef (Germany) on 20.8.1997

6) **Hinweise auf massive schwarze Löcher in den Kernen aktiver Galaxien**
Talk at the Physics Colloquium of the University of Köln, Köln (Germany) on 2.12.1997

7) **Hinweise auf massive schwarze Löcher in den Kernen aktiver Galaxien**
Talk at the Physics Colloquium of the University of Tübingen, Tübingen (Germany) on 7.1.1998

8) **COMPTEL Beobachtungen von AGN und Röntgendoppelsternsystemen**
Talk at the Colloquium of the 'Institute for Astronomy and Astrophysics of the University of Tübingen', Tübingen (Germany), November 1999

9) **Schwarze Löcher im All?**
Talk at the Physics Colloquium of the University of Greifswald, Greifswald (Germany), May 2001

10) **Gamma-Astronomie Aktiver Galaxien**
Talk at the astrophysical colloquium of the 'Universitäts-Sternwarte Göttingen', Göttingen (Germany), November 2002

Conference Talks, Talks at Institutes

1) **COMPTEL Energy Resolution as Function of Energy and Zenith Angle**
Talk at the 'COMPTEL Calibration Review' held by NASA, Garching (Germany) on 13.07.1990

2) **Search for Gamma-Ray Emission from AGN with COMPTEL**
Contributed talk at the 'Compton Observatory (GRO) Symposium', St. Louis (USA) on 16.10.1992

3) **First COMPTEL Results on the Quasar PKS 0528+134**
Contributed talk at the '23rd International Cosmic Ray Conference', Calgary (Canada) on 22.7.1993

4) **COMPTEL Detektionen von AGN**
Talk at the Workshop 'Gamma-Emission von Quasaren und BL Lac-Objekten', Heidelberg (Germany) on 25.11.1993

5) **Overview on the scientific Capabilities of COMPTEL and the COMPTEL Data Analysis System**
Invited talk at the '1994 AAS HEAD Meeting', Napa Valley (USA) on 3.11.1994

6) **Overview on COMPTEL Blazar Observations**
Contributed talk at the '1994 AAS HEAD Meeting', Napa Valley (USA) on 4.11.1994

7) **Gamma-Ray Blazars**
Talk at the '1995 MPE Fachbeirat', Garching (Germany) on 12.4.1995

8) **COMPTEL Observations of the Virgo Region**
Contributed talk at the '3rd Compton Symposium on Gamma-Ray Astronomy and Astrophysics', München (Germany) on 14.6.1995

9) **Search for MeV Emission from the X-ray Binary Cyg X-3**
Contrinuted talk at the '24th International Cosmic Ray Conference', Rom (Italy) on 2.9.1995

10) **Multifrequency Observations of the Gamma-ray Blazar PKS 0528+134**
Contributed talk at the '1996 Meeting of the AAS High Energy Astrophysics Division', San Diego (USA) on 2.5.1996

11) **COMPTEL Observations of Active Galactic Nuclei (AGN)**
Talk at the 'Center for Astrophysics and Space Sciences' of the 'University of California, San Diego', San Diego (USA) on 7.5.1996

12) **Recent Results from the COMPTEL Experiment aboard CGRO**
Invited talk at the Vulcano Workshop 1996 on 'Frontier Objects in Astrophysics and Particle Physics' at Vulcano (Italy) on 5.6.1996

13) **Gamma-ray Blazars in the COMPTEL Regime**
Invited talk at the 1996 Heidelberg Workshop on 'Gamma-ray Emitting AGN', Heidelberg (Germany) on 16.10.1996

14) **Multifrequenzbeobachtungen von Gamma-Blasaren**
Talk at the 'Extraterrestrische Konzil 1996', Pertisau (Austria) on 23.10.1996

15) **COMPTEL Observations of the Gamma-Ray Blazar PKS 0528+134**
Contributed talk at the Frühjahrstagung of the Deutsche Physikalische Gesellschaft, München (Germany) on 20.3.1997

16) **Evidence for MeV-Flares in 3C 279 and PKS 1622-297**
Contributed talk at the '4th Compton Symposium', Williamsburg (USA) on 28.4.1997

17) **COMPTEL Observations of AGN at MeV Energies**
Talk at the Goddard Space Flight Center, Washington DC (USA) on 31.4.1997

18) **COMPTEL Observations of 3C 279 during the first 5 Years of the CGRO Mission**
Contributed talk at 25th ICRC, Durban (South Africa) on 28.8.1997

19) **On the Characteristics and the Nature of Gamma-Ray Blazars**
Talk at the '1997 MPE Fachbeirat', Garching (Germany) on 21.10.1997

20) **Review of the experimental Results on Blazars**
Invited talk at the Meeting 'Matter, Anti-Matter, Dark Matter, Trento (Italy) on 20.3.1998

21) **COMPTEL Observations of AGN at MeV-Energies**
Contributed talk at 3rd INTEGRAL Symposium, Taormina (Italy) on 17.9.1998

22) **News from CGRO COMPTEL**
Invited talk at the Frascati Workshop 1999 "Multifrequency Behaviour of Cosmic Sources", Vulcano, Italy, May 1999

23) **Variability of MeV Sources**
Invited Talk at the MPIfR workshop 'Variability in Extra-Galactic Radio Sources', Bonn, Germany, July 1999

24) **COMPTEL MeV Observations of the TeV Sources Markarian 421 and Markarian 501**
Contributed talk at the 26th ICRC, Salt Lake City, USA, August 1999

25) **Multifrequency Observations of the Virgo Blazars 3C 273 and 3C 279 in CGRO Cycle 8**
Contributed talk at the '5th Compton Symposium', Portsmouth (USA), September 1999

26) **Flare Verhalten von Gamma-Blasaren**
Talk at the MPE Konzil in Kloster Seeon (Germany), Juni 2000

27) **Blazars at MeV Energies**
Talk at the 'Heidelberg International Symposium of High Energy Gamma-Ray Astronomy', Heidelberg (Germany), Juni 2000

28) **Extragalactic Sources**
Invited talk at the 'Workshop on the next Steps in Low-Energy Gamma-ray Astronomy – Filling the Sensitivity Gap – ', Schloss Ringberg (Germany), July 2000

29) **AGN: The High-Energy Status before INTEGRAL**
Invited Talk at the 4th INTEGRAL Workshop 'Exploring the Gamma-ray Universe', Alicante (Spain), September 2000

30) **Multiwavelength Observations of AGN**
Invited Talk at the 'MAGIC Physics and Analysis Workshop', Hinterriss (Austria), March 2001

31) **COMPTEL MeV Observations of the Virgo Region**
Talk at the Symposium 'Gamma-Ray Astrophysics 2001', Baltimore (USA), April 2001

32) **AGN: Der Gamma-Status nach CGRO**
Talk at the MPE Konzil, Seeon (Germany), June 2001

33) **AGN and X-Ray Binaries at MeV Gamma-Ray Energies**
Invited Talk at the Workshop 'High-Energy Astrophysics', Schloss Ringberg (Germany), July 2001

34) **The MeV View on Blazars**
Talk at the Workshop on 'High Energy Blazar Astronomy', Turku (Finland), June 2002

35) **AGN: The Gamma-Ray Status after the Compton Gamma-Ray Observatory (CGRO)**

Talk at the chinese-german Workshop on 'The Multiwavelength View on Active Galactic Nuclei', Lijiang (China), August 2002

36) **COMPTEL Observations of AGN, X-Ray Binaries, and Unidentified Gamma-Ray Sources**
Invited Talk at the 'National Astronomical Observatories Chinese Academy of Science', Beijing (China), August 2002

37) **Projects and Science of the MPE Gamma-Ray Group**
Invited Talk at the 'Institute of High Energy Physics, Beijing (China), August 2002

38) **COMPTEL MeV Observations of Unidentified Gamma-Ray Sources**
Invited Talk at the AGILE Science Workshop 'X-Ray and Gamma-Ray Astrophysics of Galactic Sources', June 2003