

## Prof. AYSUN AKYÜZ

### Personal Information

**Office Phone:** [+90 322 338 6084](tel:+903223386084) Extension: 2479

**Fax Phone:** [+90 322 338 6070](tel:+903223386070)

**Email:** [aakyuz@cu.edu.tr](mailto:aakyuz@cu.edu.tr)

**Web:** <http://fen.cu.edu.tr/tr/detay.aspx?pageId=1419>

**Address:** Çukurova Üniversitesi Fen-Edebiyat Fakültesi, Fizik Böl. 01330 Balcalı-Adana

### Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü , Fizik, Turkey 1988 - 1993

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Physics, Astronomy and Astrophysics, Star Systems, Interstellar Medium, The Galaxy, Galactic and Extragalactic Objects and Systems, Cosmology, Natural Sciences

### Academic Titles / Tasks

Professor, Cukurova University, Fen\_Edebiyat, Fizik, 1986 - Continues

### Advising Theses

AKYÜZ A., Fast Timing Photo-Polorimetry with Optima, Doctorate, İ.Nasıroğlu(Student), 2012

AKYÜZ A., Yakın Galaksilerde X-ışın kaynaklarının XMM-Newton ve Chandra Gözlemleri, Post Graduate,

H.Avdan(Student), 2012

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Optical counterparts of an ultraluminous X-Ray Source X-1 in NGC 2500**  
AKSAKER N., AKYÜZ A., Avdan S., Avdan H.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.488, pp.5935-5940, 2019 (Journal Indexed in SCI)
- II. **Optical Counterparts of ULXs and Their Host Environments in NGC 4490/4485**  
AVDAN S., AKYÜZ A., VINOKUROV A., AKSAKER N., AVDAN H., FABRIKA S., VALEEV A., Akkaya-Oralhan I., Balman S.  
ASTROPHYSICAL JOURNAL, vol.875, 2019 (Journal Indexed in SCI)
- III. **X-RAY SPECTRAL AND OPTICAL PROPERTIES OF A ULX IN NGC 4258 (M106)**  
Avdan H., Avdan S., AKYÜZ A., Balman S., AKSAKER N., Oralhan I. A.

ASTROPHYSICAL JOURNAL, vol.828, 2016 (Journal Indexed in SCI)

- IV. **Optical counterparts of two ULXs in NGC 5474 and NGC 3627 (M 66)**  
AVDAN S., VINOKUROV A., FABRIKA S., ATAPIN K., AVDAN H., AKYÜZ A., SHOLUKHOVA O., AKSAKER N., VALEEV A.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.455, 2016 (Journal Indexed in SCI)
- V. **A search for periodicities from a ULX in the LINER galaxy NGC 4736**  
Avdan H., Avdan S. K. , AKYÜZ A., Balman S.  
ASTROPHYSICS AND SPACE SCIENCE, vol.352, pp.123-128, 2014 (Journal Indexed in SCI)
- VI. **Long-term multiwavelength studies of high-redshift blazar 0836+710**  
AKYÜZ A., Thompson D. J. , Donato D., Perkins J. S. , Fuhrmann L., Angelakis E., Zensus J. A. , Larsson S., Sokolovsky K., Kurtanidze O.  
ASTRONOMY & ASTROPHYSICS, vol.556, 2013 (Journal Indexed in SCI)
- VII. **XMM-NEWTON OBSERVATIONS OF LUMINOUS SOURCES IN NEARBY GALAXIES NGC 4395, NGC 4736, AND NGC 4258**  
AKYÜZ A., Kayaci S., Avdan H., Ozel M. E. , Sonbas E., Balman S.  
ASTRONOMICAL JOURNAL, vol.145, 2013 (Journal Indexed in SCI)
- VIII. **A search for supernova remnants in the nearby spiral galaxy M74 (NGC 628)**  
Sonbas E., AKYÜZ A., Balman S., OZEL M. E.  
ASTRONOMY & ASTROPHYSICS, vol.517, 2010 (Journal Indexed in SCI)
- IX. **An optical search for supernova remnants in the nearby spiral galaxy NGC 2903**  
Sonbas E., AKYÜZ A., Balman S.  
ASTRONOMY & ASTROPHYSICS, vol.493, pp.1061-1065, 2009 (Journal Indexed in SCI)
- X. **Flares from a candidate Galactic magnetar suggest a missing link to dim isolated neutron stars**  
Castro-Tirado A. J. , de Ugarte Postigo A., Gorosabel J., Jelinek M., Fatkhullin T. A. , Sokolov V. V. , Ferrero P., Kann D. A. , Klose S., Sluse D., et al.  
NATURE, vol.455, pp.506-509, 2008 (Journal Indexed in SCI)
- XI. **STELLAR-WIND ENVELOPE AROUND THE MASSIVE SUPERNOVA PROGENITOR XRF/GRB 060218/SN 2006aj**  
Sonbas E., Moskvitin A. S. , Fatkhullin A., Sokolov V. V. , Castro-Tirado A., De Ugarte Postigo A., Gorosabel G., Guzij S., Jelinec M., Sokolova T. N. , et al.  
ASTROPHYSICAL BULLETIN, vol.63, pp.228-243, 2008 (Journal Indexed in SCI)
- XII. **Likelihood analysis for the Tracking and Imaging Gamma Ray Experiment (TIGRE) telescope**  
Akyuz A., BHATTACHARYA D., O'NEILL T., SAMIMI J., ZYCH A.  
NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS, vol.132, pp.685-688, 2004 (Journal Indexed in SCI)
- XIII. **Enhanced performance of an electron tracking Compton gamma-ray telescope**  
Akyuz A., BHATTACHARYA D., O'NEILL T., SAMIMI J., ZYCH A.  
NEW ASTRONOMY, vol.9, pp.127-135, 2004 (Journal Indexed in SCI)
- XIV. **On the distribution of EGRET unidentified sources in the Galactic plane**  
BHATTACHARYA D., Akyuz A., MIYAGI T., SAMIMI J., ZYCH A.  
ASTRONOMY & ASTROPHYSICS, vol.404, pp.163-170, 2003 (Journal Indexed in SCI)
- XV. **Development of the TIGRE Compton telescope for intermediate-energy gamma-ray astronomy**  
O'NEILL T., BHATTACHARYA D., POLSEN M., ZYCH A., SAMIMI J., Akyuz A.  
IEEE TRANSACTIONS ON NUCLEAR SCIENCE, vol.50, pp.251-257, 2003 (Journal Indexed in SCI)
- XVI. **Tracking, imaging and polarimeter properties of the TIGRE instrument**  
ONEILL T., Akyuz A., BHATTACHARYA D., CASE G., DIXON D., SAMIMI J., TUMER O., WHITE R., ZYCH A.  
ASTRONOMY & ASTROPHYSICS SUPPLEMENT SERIES, vol.120, 1996 (Journal Indexed in SCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **A Search for Optical Counterparts of ULX-4 in M51 Galaxy**  
AKYÜZ A., AVDAN S., AKSAKER N., ALLAK S., Oralhan I. A.

10th Jubilee Conference of the Balkan-Physical-Union (BPU), Sofija, Bulgaria, 26 - 30 August 2018, vol.2075

**II. X-ray and Optical Properties of ULXs in NGC 4490/4485**

AVDAN S., AVDAN H., AKYÜZ A., AKSAKER N.

33rd International Physics Congress of the Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 10 September 2017, vol.1935

**III. Uzaymer'den İlk ışık**

EMRAHOĞLU N., AKYÜZ A., AKSAKER N., Avdan H., Temiz U., Dölek F., Güney Y.

Küçük Teleskoplarla Bilim Çalıştayı: Fırsat Gözlemciliği, İstanbul, Turkey, 9 - 10 May 2013, pp.1

**IV. Uzaymer'den İlk ışık**

EMRAHOĞLU N., AKYÜZ A., AKSAKER N., Avdan H., Temiz U., Dölek F., Güney Y.

Küçük Teleskoplarla Bilim Çalıştayı: Fırsat Gözlemciliği, İstanbul, Turkey, 9 - 10 May 2013, pp.1

**V. GRB 070610: Flares from a peculiar Galactic source**

de Ugarte Postigo A., Castro-Tirado A. J., Gorosabel J., Fatkhullin T. A., Sokolov V. V., Jelinek M., Sluse D., Ferrero P., Kann D. A., Klose S., et al.

Santa Fe Conference on Gamma-Ray Bursts, Santa Fe, Argentina, 5 - 09 November 2007, vol.1000, pp.337-338

**VI. An optical search for Supernova Remnants in NGC 3184 and NGC 2903**

SONBAS E., AKYÜZ A., BALMAN S., CEKMECELIOGLU E.

6th International Conference of the Balkan-Physical-Union, İstanbul, Turkey, 22 - 26 August 2006, vol.899, pp.135-136

**VII. Optical search for Supernova Remnants in two-spiral galaxies**

Akyuz A., BALMAN S., BHATTACHARYA D., SONBAS E., CEKMECELIOGLU E.

Symposium on the X-ray Universe 2005, El Escorial, Spain, 26 - 30 September 2005, vol.604, pp.441-442

## Other Publications

**I. classical Dynamics of Particles and Systems**

Özdemir M., Ufuktepe Y., Özdemir B., Eşkut E., Akyüz A., Esen M., Kurt M. Z., Polatöz A., Tüzemen A. T., Karadağ F. Other, pp.650-700, 2011

## Supported Projects

AKYÜZ A., TUBITAK Project, YAKIN GALAKSİLERDE ÇOKLU DALGABOYU GÖZLEMLERİ İLE YÜKSEK İŞİMA GÜCÜNE SAHİP KAYNAKLARIN BELİRLENMESİ, 2013 - 2016

## Memberships / Tasks in Scientific Organizations

Türk Astronomi Derneği, Chairman, 2012 - Continues

## Invited Congress and Symposium Activities

ULXs and their environments, Attendee, Strasbourg, France, 2016

## Citations

Total Citations (WOS):132

h-index (WOS):6