

## Prof. ALTAN BAYKAL

### Personal Information

Office Phone: [+90 210 507 7](tel:+902105077)

Fax Phone: [+90 210 509 9](tel:+902105099)

Email: [altan@metu.edu.tr](mailto:altan@metu.edu.tr)

Web: <https://avesis.metu.edu.tr/altan>

Address: 06800

### International Researcher IDs

ScholarID: 14LE\_RwAAAAJ

ORCID: 0000-0003-4747-5129

Publons / Web Of Science ResearcherID: AAZ-9427-2020

ScopusID: 57209723426

Yoksis Researcher ID: 11925

### Education Information

Doctorate, Middle East Technical University, Faculty of Arts and Sciences, Turkey 1985 - 1991

### Dissertations

Doctorate, Torque noise models for x-ray binaries, Middle East Technical University, Faculty of Arts and Sciences, 1991

### Research Areas

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

### Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Arts and Sciences, 2001 - Continues

Associate Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1998 - 2003

Assistant Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1996 - 1998

Lecturer, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1991 - 1998

### Advising Theses

BAYKAL A., Investigating the effects of outbursts on pulsars, the case of 2S 1417-624, Postgraduate, Ö.CAN(Student), 2022

BAYKAL A., Spectral analysis of an ultraluminous x-ray source swift J0243.6+6124, Postgraduate, G.ISLAMOV(Student), 2021

BAYKAL A., The pulse frequency noise of magnetars and persistent accretion powered pulsars, Doctorate, D.SERİM(Student), 2021

BAYKAL A., Pulse timing studies of X-ray binaries: GX 1+4, Swift J0513.4-6547, X Persei and SXP 1062, Doctorate, M.MİRAC(Student), 2019

BAYKAL A., THE SPECTRAL AND TEMPORAL PROPERTIES OF MAXI J1409-619, Postgraduate, Ç.KEREM(Student), 2019

BAYKAL A., X-ray timing properties of four anomalous X-ray pulsars: 4U 0142+61, 1E 2259+586, 1RXS J170849.0400910, and 1E 1841045, Postgraduate, D.ÇERRI(Student), 2015

BAYKAL A., X-ray timing properties of four anomalous x-ray pulsars: 4u 0142+61, 1e 2259+586, 1rxs j170849.0\_400910, and 1e 1841\_045, Postgraduate, D.Çerri(Student), 2015

BAYKAL A., X-ray analysis of high mass x-ray binary pulsars, Doctorate, Ş.ŞAHİNER(Student), 2015

BAYKAL A., Pulse phase resolved x-ray spectroscopy of four accretion powered millisecond pulsars, Postgraduate, S.MERVE(Student), 2014

BAYKAL A., Investigation of quasi-periodic noise features in X-Persei, Postgraduate, Z.ACUNER(Student), 2014

BAYKAL A., Timing properties of recently discovered soft gamma repeaters, Postgraduate, M.MİRAC(Student), 2012

BAYKAL A., Viscous time scale in accreting powered pulsars and anomalous X-ray pulsars, Postgraduate, B.İÇDEM(Student), 2011

BAYKAL A., X-ray and optical observations of high mass x-ray binaries, Doctorate, E.BEKLEN(Student), 2010

BAYKAL A., X-ray spectral and timing studies of the high mass X-ray binary pulsar 4U 1907+09, Postgraduate, Ş.ŞAHİNER(Student), 2009

BAYKAL A., X-ray and timing properties of anomalous X-ray pulsar 1e 2259+586, Postgraduate, S.ŞAŞMAZ(Student), 2007

BAYKAL A., RXTE and chandra observations of galactic microquasars GRS 1915+105 and GRO J1655-40, Postgraduate, G.ESRA(Student), 2006

BAYKAL A., RXTE and Chandra observations of galactic microquasars GRO J1655-40 and GRS 1915+105, Postgraduate, G.Esra(Student), 2006

BAYKAL A., The red noise power density estimation techniques and application to the source SAX J2103.5 + 4545, Postgraduate, A.EMRE(Student), 2004

BAYKAL A., X-ray observations of accretion powered pulsars, Doctorate, S.ÇAĞDAŞ(Student), 2004

BAYKAL A., Timing observations from Rossi X-Ray Timing Explorer (RXTE), Postgraduate, E.BEKLEN(Student), 2004

BAYKAL A., BATSE observations on accretion powered pulsars, Postgraduate, S.ÇAĞDAŞ(Student), 1999

BAYKAL A., Batse observation on accretion powered pulsars, Postgraduate, S.Çağdaş(Student), 1998

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Timing analysis of Swift J0243.6+6124 with NICER and Fermi/GBM during the decay phase of the 2017-2018 outburst**  
Serim M. M., Dönmez Ç. K., Serim D., Ducci L., Baykal A., Santangelo A.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.522, no.4, pp.6115-6122, 2023 (SCI-Expanded)
- II. **Pulse frequency fluctuations of persistent accretion powered pulsars**  
Serim D., Serim M. M., Baykal A.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.518, no.1, pp.1-12, 2022 (SCI-Expanded)
- III. **Timing and spectral analysis of 2S 1417-624 during its 2018 outburst**  
Serim M. M., Ozudogru O. C., Donmez Ç. K., Sahiner S., Serim D., Baykal A., Inam S. C.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.510, no.1, pp.1438-1449, 2022 (SCI-Expanded)
- IV. **Comprehensive analysis of the transient X-ray pulsar MAXI J1409 619**  
Donmez Ç. K., Serim M. M., Inam S. C., Sahiner S., Serim D., Baykal A.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.496, no.2, pp.1768-1783, 2020 (SCI-Expanded)
- V. **Pulse frequency fluctuations of magnetars**  
Cerri-Serim D., Serim M. M., Sahiner S., Inam S. C., Baykal A.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.485, no.1, pp.2-12, 2019 (SCI-Expanded)
- VI. **Dense matter with eXTP**  
Watts A. L., Yu W., Poutanen J., Zhang S., Bhattacharyya S., Bogdanov S., Ji L., Patruno A., Riley T. E., Bakala P., et al.

SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, vol.62, no.2, 2019 (SCI-Expanded)

VII. **Observatory science with eXTP**

in't Zand J. J. M., Bozzo E., Qu J., Li X., Amati L., Chen Y., Donnarumma I., Doroshenko V., Drake S. A., Hernanz M., et al.

SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, vol.62, no.2, 2019 (SCI-Expanded)

VIII. **Accretion in strong field gravity with eXTP**

De Rosa A., Uttley P., Gou L., Liu Y., Bambi C., Barret D., Belloni T., Berti E., Bianchi S., Caiazzo I., et al.

SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, vol.62, no.2, 2019 (SCI-Expanded)

IX. **Discovery of a glitch in the accretion- powered pulsar SXP 1062**

Serim M. M., Sahiner S., Cerri-Serim D., İNAM S. Ç., BAYKAL A.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.471, no.4, pp.4982-4989, 2017 (SCI-Expanded)

X. **Comprehensive timing and X-ray spectral analysis of GX 1+4**

Serim M. M., Sahiner S., Cerri-Serim D., İNAM S. Ç., BAYKAL A.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.469, no.2, pp.2509-2516, 2017 (SCI-Expanded)

XI. **RXTE and Swift Observations of SWIFT J0513.4-6547**

Sahiner S., Serim M. M., BAYKAL A., İNAM S. Ç.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.456, no.1, pp.845-852, 2016 (SCI-Expanded)

XII. **Timing studies of X Persei and the discovery of its transient quasi-periodic oscillation feature**

Acuner Z., İNAM S. Ç., Sahiner S., Serim M. M., BAYKAL A., Swank J.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.444, no.1, pp.457-465, 2014 (SCI-Expanded)

XIII. **RXTE and Swift observations of SWIFT J1729.9-3437**

Sahiner S., İNAM S. Ç., Serim M. M., BAYKAL A.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.434, no.4, pp.2772-2778, 2013 (SCI-Expanded)

XIV. **A comprehensive study of RXTE and INTEGRAL observations of the X-ray pulsar 4U 1907+09**

Sahiner S., İNAM S. Ç., BAYKAL A.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.421, no.3, pp.2079-2087, 2012 (SCI-Expanded)

XV. **RXTE timing analysis of the anomalous X-ray pulsar 1E 2259+586**

Icdem B., BAYKAL A., İNAM S. Ç.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.419, no.4, pp.3109-3114, 2012 (SCI-Expanded)

XVI. **Timing and X-ray spectral features of Swift J1626.6-5156**

Icdem B., İNAM S. Ç., BAYKAL A.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.415, no.2, pp.1523-1526, 2011 (SCI-Expanded)

XVII. **Viscous timescale in high mass X-ray binaries (Research Note)**

Icdem B., BAYKAL A.

ASTRONOMY & ASTROPHYSICS, vol.529, 2011 (SCI-Expanded)

XVIII. **Analysis of RXTE-PCA Observations of SMC X-1**

İNAM S. Ç., BAYKAL A., Beklen E.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.403, no.1, pp.378-386, 2010 (SCI-Expanded)

XIX. **THE ORBITAL PERIOD OF SWIFT J1626.6-5156**

BAYKAL A., GÖĞÜŞ E., İNAM S. Ç., Belloni T.

ASTROPHYSICAL JOURNAL, vol.711, no.2, pp.1306-1309, 2010 (SCI-Expanded)

XX. **Optical and X-ray outbursts of Be/X-ray binary system SAX J2103.5+4545**

Kiziloglu U., Ozbilgen S., Kiziloglu N., BAYKAL A.

ASTRONOMY & ASTROPHYSICS, vol.508, no.2, pp.895-900, 2009 (SCI-Expanded)

XXI. **RXTE-PCA observations of XMMU J054134.7-682550**

İNAM S. Ç., Townsend L. J., McBride V. A., BAYKAL A., Coe M. J., Corbet R. H. D.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.395, no.3, pp.1662-1668, 2009 (SCI-Expanded)

XXII. **Recent torque reversal of 4U 1907+09**

İNAM S. Ç., Sahiner S., BAYKAL A.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.395, no.2, pp.1015-1020, 2009 (SCI-Expanded)

XXIII. **Recent RXTE/ASM and ROTSEIIIId observations of EXO 2030+375 (V2246 Cygni)**

- BAYKAL A., Kiziloglu U., Kiziloglu N., Beklen E., Oezbey M.  
ASTRONOMY & ASTROPHYSICS, vol.479, no.2, pp.301-306, 2008 (SCI-Expanded)
- XXIV. **Optical variabilities in the Be/X-ray binary system - GRO J2058+42 (CXOU J205847.5+414637)**  
Kiziloglu U., Kiziloglu N., Baykal A., Yerli S. K., Ozbey M.  
ASTRONOMY & ASTROPHYSICS, vol.470, no.3, pp.1023-1029, 2007 (SCI-Expanded)
- XXV. **Timing studies on RXTE observations of SAX J2103.5+4545**  
Baykal A., Inam S. C., Stark M. J., Heffner C. M., Erkoca A. E., Swank J. H.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.374, no.3, pp.1108-1114, 2007 (SCI-Expanded)
- XXVI. **Optical observations of the Be/X-ray transient system KS 1947+300**  
Kiziloglu U., Baykal A., Kiziloglu N.  
ASTRONOMISCHE NACHRICHTEN, vol.328, no.2, pp.142-145, 2007 (SCI-Expanded)
- XXVII. **Pulsar braking indices, glitches and energy dissipation in neutron stars**  
Alpar M. A., Baykal A.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.372, no.1, pp.489-496, 2006 (SCI-Expanded)
- XXVIII. **Evidence of a change in the long-term spin-down rate of the X-ray pulsar 4U 1907+09**  
Baykal A., Inam S. C., Beklen E.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.369, no.4, pp.1760-1764, 2006 (SCI-Expanded)
- XXIX. **Recent timing studies on RXTE observations of 4U 1538-52**  
Baykal A., Inam S. C., Beklen E.  
ASTRONOMY & ASTROPHYSICS, vol.453, no.3, pp.1037-1040, 2006 (SCI-Expanded)
- XXX. **ROTSE observations of the young cluster IC 348**  
Kiziloglu U., Kiziloglu N., Baykal A.  
ASTRONOMICAL JOURNAL, vol.130, no.6, pp.2766-2777, 2005 (SCI-Expanded)
- XXXI. **X-ray spectral evolution of Her X-1 in a low state and the following short high state**  
Inam S., Baykal A.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.361, no.4, pp.1393-1398, 2005 (SCI-Expanded)
- XXXII. **Discovery of a soft spectral component and transient 22.7 second quasi-periodic oscillations of SAX J2103.5+4545**  
Inam S., Baykal A., Swank J., Stark M.  
ASTROPHYSICAL JOURNAL, vol.616, no.1, pp.463-468, 2004 (SCI-Expanded)
- XXXIII. **X-ray flux related timing and spectral features of 2S 1417-62**  
Inam S., Baykal A., Scott D., Finger M., Swank J.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.349, no.1, pp.173-180, 2004 (SCI-Expanded)
- XXXIV. **The first hours of the optical afterglow from the cosmic gamma-ray burst 030329**  
Burenin R., Sunyaev R., Pavlinsky M., Denisenko D., Terekhov O., Tkachenko A., Aslan Z., Khamitov I., Uluch K., Alpar M., et al.  
ASTRONOMY LETTERS-A JOURNAL OF ASTRONOMY AND SPACE ASTROPHYSICS, vol.29, no.9, pp.573-578, 2003 (SCI-Expanded)
- XXXV. **The steady spin-down rate of 4U 1907+09**  
Baykal A., Inam C., Alpar M., Zand J., Strohmayer T.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.327, no.4, pp.1269-1272, 2001 (SCI-Expanded)
- XXXVI. **Hydrothermal and microwave synthesis of boron phosphate, BPO(4)**  
Baykal A., Kizilyalli M., Toprak M., Kniep R.  
TURKISH JOURNAL OF CHEMISTRY, vol.25, no.4, pp.425-432, 2001 (SCI-Expanded)
- XXXVII. **Discovery of the orbit of the transient X-ray pulsar SAX J2103.5+4545**  
Baykal A., Stark M., Swank J.  
ASTROPHYSICAL JOURNAL, vol.544, no.2, 2000 (SCI-Expanded)
- XXXVIII. **Differences between the two anomalous X-ray pulsars: variations in the spin-down rate of 1E 1048.1-5937 and an extended interval of quiet spin-down in 1E 2259+586**  
Baykal A., Strohmayer T., Swank J., Alpar M., Stark M.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.319, no.1, pp.205-208, 2000 (SCI-Expanded)

- XXXIX. **X-ray powder diffraction and IR study of NaMg(H<sub>2</sub>O)(<sub>2</sub>)[BP208]center dot H<sub>2</sub>O and NH<sub>4</sub>Mg(H<sub>2</sub>O)(<sub>2</sub>)[BP208]center dot H<sub>2</sub>O**  
 Baykal A., Kizilyalli M., Kniep R.  
 JOURNAL OF MATERIALS SCIENCE, vol.35, no.18, pp.4621-4626, 2000 (SCI-Expanded)
- XL. **Short-term pulse frequency fluctuations of OAO 1657-415 from RXTE observations**  
 Baykal A.  
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.313, no.3, pp.637-640, 2000 (SCI-Expanded)
- XLI. **Post-glitch RXTE-PCA observations of the Vela pulsar**  
 Gurkan M., Baykal A., Alpar M., Ogelman H., Strohmayer T.  
 ASTRONOMY & ASTROPHYSICS, vol.356, no.3, pp.1136-1140, 2000 (SCI-Expanded)
- XLII. **X-ray flux and pulse frequency changes of three high mass X-ray binary pulsars: Vela X-1, GX 301-2 and OAO 1657-415**  
 Inam S., Baykal A.  
 ASTRONOMY & ASTROPHYSICS, vol.353, no.2, pp.617-623, 2000 (SCI-Expanded)
- XLIII. **The timing noise of PSR 0823+26, 1706-16, 1749-28, 2021+51 and the anomalous braking indices**  
 Baykal A., Alpar M., Boynton P., Deeter J.  
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.306, no.1, pp.207-212, 1999 (SCI-Expanded)
- XLIV. **Spin down and oscillations in 4U 1907+09: a retrograde disk?**  
 Zand J., Strohmayer T., Baykal A.  
 NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS, vol.69, pp.224-227, 1999 (SCI-Expanded)
- XLV. **Spin-down rate of 1E 2259+586 from RXTE observation**  
 Baykal A., Swank J., Strohmayer T., Stark M.  
 ASTRONOMY & ASTROPHYSICS, vol.336, no.1, pp.173-176, 1998 (SCI-Expanded)
- XLVI. **Recent X-ray measurements of the accretion-powered pulsar 4U 1907+09**  
 in't Zand J., Baykal A., Strohmayer T.  
 ASTROPHYSICAL JOURNAL, vol.496, no.1, pp.386-394, 1998 (SCI-Expanded)
- XLVII. **The spectrum and dips of RE 0751+14: A joint evaluation of ROSAT and ASCA archival data**  
 Kiziloglu U., Baykal A., Alev M., Gogus E.  
 ASTROPHYSICS AND SPACE SCIENCE, vol.259, no.2, pp.191-203, 1998 (SCI-Expanded)
- XLVIII. **The torque and X-ray flux changes of OAO 1657-415**  
 Baykal A.  
 ASTRONOMY & ASTROPHYSICS, vol.319, no.2, pp.515-524, 1997 (SCI-Expanded)
- XLIX. **Low frequency flickering of TT Arietis: Hard and soft X-ray emission region**  
 Baykal A., Kiziloglu U.  
 ASTROPHYSICS AND SPACE SCIENCE, vol.246, no.1, pp.29-38, 1997 (SCI-Expanded)
- L. **Pulse frequency changes of 1E 2259+586 and the binary interpretation**  
 Baykal A., Swank J.  
 ASTROPHYSICAL JOURNAL, vol.460, no.1, pp.470-477, 1996 (SCI-Expanded)
- LI. **EXPECTANCY OF LARGE PULSAR GLITCHES - A COMPARISON OF MODELS WITH THE OBSERVED GLITCH SAMPLE**  
 ALPAR M., BAYKAL A.  
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.269, no.4, pp.849-856, 1994 (SCI-Expanded)
- LII. **A STATISTICAL STUDY OF THE 164 DAY CLOCK NOISE OF THE RELATIVISTIC BEAMS IN SS-433**  
 BAYKAL A., ANDERSON S., MARGON B.  
 ASTRONOMICAL JOURNAL, vol.106, no.6, pp.2359-2364, 1993 (SCI-Expanded)
- LIII. **THE NOISE IN THE 35-D CYCLE OF HER X-1**  
 BAYKAL A., BOYNTON P., DEETER J., SCOTT D.  
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.265, no.2, pp.347-350, 1993 (SCI-Expanded)
- LIV. **AN EMPIRICAL TORQUE NOISE AND SPIN-UP MODEL FOR ACCRETION-POWERED X-RAY PULSARS**  
 BAYKAL A., OGELMAN H.  
 ASTRONOMY & ASTROPHYSICS, vol.267, no.1, pp.119-125, 1993 (SCI-Expanded)

- LV. A SHOT NOISE MODEL FOR A 2-COMPONENT NEUTRON-STAR**  
BAYKAL A., ALPAR A., KIZILOGLU U.  
ASTRONOMY & ASTROPHYSICS, vol.252, no.2, pp.664-668, 1991 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Probing stellar winds and accretion physics in high mass X ray binaries and ultra luminous X ray sources with LOFT**  
Maoura O., Maoura O., Dorosheknko V., BAYKAL A., Vi D., Orlandini M., Orlandini M., Orlandini M., Maoura O., Orlandini M., et al.  
Loft white papers, 2015 (Peer-Reviewed Journal)
- II. **Long term optical observations of Be X Ray binary system V0332 53**  
Umit K., Kiziloglu N., Mehtap O., BAYKAL A.  
IBVS, 2008 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **X Ray Timing Properties of GX 1 4**  
SERİM M. M., Sahiner S., Serim Cerri D., Inam S. C., BAYKAL A.  
11 th Integral Conference, 10 - 14 October 2016
- II. **Timing Noise of Magnetars**  
Serim Cerri D., SERİM M. M., Yuce D., Sahiner S., Inam S. C., BAYKAL A.  
11 th Integral Conference, 10 - 14 October 2016
- III. **RXTE an Swift Observations of SWIFT J0513 4 6547**  
Muhammed Mirac S., Seyda S., BAYKAL A., Cagdas I.  
The New High Energy Sky after a Decade of Discoveries, Roma, 5 - 09 October 2015
- IV. **The Large Observatory For x ray Timing**  
Marco F., Jd d. H., Enrico B., BAYKAL A., den Herder J., den Herder J., den Herder J., den Herder J., den Herder J., et al.  
Conference on Space Telescopes and Instrumentation - Ultraviolet to Gamma Ray, 22 - 26 June 2014
- V. **Noise Strength Estimates of Three SGRs: Swift J1822.3-1606, SGR J1833-0832 and Swift J1834.9-0846**  
Serim M. M., İNAM S. Ç., BAYKAL A.  
International Conference on Electromagnetic Radiation from Pulsars and Magnetars (ERPM), Zielona Gora, Poland, 24 - 27 April 2012, vol.466, pp.255-256
- VI. **Pulse Profiles of Swift J1626.6+5156**  
BAYKAL A., İNAM S. Ç., Icdem B.  
Conference on Astrophysics of Neutron Stars in Honor of M Ali Alpar (ASTRONS), Cesme, Turkey, 2 - 06 August 2010, vol.1379
- VII. **Recent Spin Rate Measurements of 4U 1907+09**  
Sahiner S., İNAM S. Ç., BAYKAL A.  
Conference on Astrophysics of Neutron Stars in Honor of M Ali Alpar (ASTRONS), Cesme, Turkey, 2 - 06 August 2010, vol.1379
- VIII. **Accretion powered X-ray pulsars**  
Baykal A.  
6th NATO-Advanced-Study-Institute on Electromagnetic Spectrum of Neutron Stars, Marmaris, Turkey, 7 - 18 June 2004, vol.210, pp.263-277
- IX. **Expectancy of large pulsar glitches**  
Baykal A., Alpar A.

## Supported Projects

BAYKAL A., BALMAN Ş., Project Supported by Higher Education Institutions, Bayes İstatistik Tekniđiyle Pulsarların ve Beyaz Cücelerin Güç Spektrumlarının Oluřturulması, 2016 - 2016

## Metrics

Publication: 69

Citation (WoS): 874

Citation (Scopus): 628

H-Index (WoS): 18

H-Index (Scopus): 15

## Awards

Baykal A., Mustafa Parlar Bilim Ödülü, Mustafa Parlar Vakfi, December 2019

Baykal A., TÜBİTAK Teřvik Ödülü, Tübitak, July 2000

## Non Academic Experience

METU

METU

METU