

## CURRICILUM VITAE

---



### PERSONAL DATA

SURNAME: ATAMUROTOV      FIRST NAME: FARRUH      MIDDLE NAME(s): SHUHRATOVICH

**H-Index : 13(Google Scholar), 13 (Scopus)**

---

PLACE OF BIRTH (City and Country): **Khorezm, Uzbekistan**      PRESENT NATIONALITY: **Uzbekistan**      DATE OF BIRTH  
Year - Month - Day: **1990-02-06**

---

SEX: **Male**      MARITAL STATUS: **married**

---

### FULL ADDRESS OF PERMANENT INSTITUTION:

INHA University in Tashkent, 100170, Uzbekistan  
Telephone No: +998-71-2899999  
E-mail: [atamurotov@yahoo.com](mailto:atamurotov@yahoo.com); [f.atamurotov@inha.uz](mailto:f.atamurotov@inha.uz); [fatamurotov@gmail.com](mailto:fatamurotov@gmail.com),

---

### HOME ADDRESS:

4/83/102, Yunusobod district, 100000, Tashkent, Uzbekistan  
Telephone No: +99897-7769190

---

### EDUCATION (higher degrees)

University or equivalent name and place	Years attended		Degrees
	From (year/month)	to (year/month)	
Student of Physics Department National University of Uzbekistan, VUZgorodok, Tashkent, Uzbekistan	2007	2011	<b>B.Sc.</b>
Student of Physics Department National University of Uzbekistan, VUZgorodok, Tashkent, Uzbekistan	2011	2013	<b>M.Sc.</b>
Institute of Nuclear Physics, Ulughbek, Tashkent 100214, Uzbekistan	2016/01	2018/04	<b>PhD</b>

## SCIENTIFIC EMPLOYMENT AND ACADEMIC RESPONSIBILITY

Research Institution or University name and place	Period of duty		Academic responsibilities
	From (year/month)	to (year/month)	
Ulugh Beg Astronomical Institute, Astronomicheskaya 33, Tashkent 100052, Uzbekistan	2010/10	2011/01	Junior Researcher (half time)
Max-Planck-Institut für Gravitationsphysik, Albert-Einstein-Institut, 14476 Golm, Germany	2013/07	2013/09	Junior Researcher (half time)
Institute of Nuclear Physics, Ulughbek, Tashkent 100214, Uzbekistan	2013/09	2015/12	Junior Researcher
INHA University in Tashkent, Ziyolilar, Tashkent 100170, Uzbekistan	2015/03	2018/09	Teacher Assistance (half time)
Ulugh Beg Astronomical Institute, Astronomicheskaya 33, Tashkent 100052, Uzbekistan	2017/01	2020/12	Junior Researcher (half time)
Institute of Nuclear Physics, Ulughbek, Tashkent 100214, Uzbekistan	2018/05	2018/09	Senior Researcher
AKFA University, Kichik Halqa Yuli Street 17, Tashkent 100095, Uzbekistan	2020/12	Up to now	Senior Researcher (half time)
INHA University in Tashkent, Ziyolilar, Tashkent 100170, Uzbekistan	2018/10	Up to now	Professor

## My present employment and duties (scientific research):

My duty is to carry out the theoretical research in the field of electrodynamics, relativistic astrophysics and general relativity.

---

## LANGUAGE PROFICIENCY

Language	Level
English	Good
Russian	Good
Uzbek (native)	Excellent

---

## Computer skills and competences

Competent with the following softs:

- Microsoft Office
  - Mathematica
  - LaTeX, TeX
  - MacromediaFlash
  - Adobe....
- 

## PUBLICATIONS LIST OF FARRUH ATAMUROTOV

### A. PUBLICATIONS IN INTERNATIONAL AND NATIONAL REFEREED JOURNALS

1. **F. Atamurotov**, U. Papnoi, and K. Jusufi, *Shadow and deflection angle of charged rotating black hole surrounded by perfect fluid dark matter*, **Classical and Quantum Gravity** 39, 025014 (2022).
2. U. Papnoi and **F. Atamurotov**, *Rotating charged black hole in 4D Einstein-Gauss-Bonnet gravity: Photon motion and its shadow*, **Physics of the Dark Universe** 35, 100916 (2022).
3. **F. Atamurotov**, K. Jusufi, M. Jamil, A. Abdujabbarov, and M. Azreg-Ainou, *Axion-plasmon or magnetized plasma effect on an observable shadow and gravitational lensing of a Schwarzschild black hole*, **Physical Review D**. 104, 064053 (2021).
4. **F. Atamurotov**, A. Abdujabbarov, and W. B. Han, *Effect of plasma on gravitational lensing by a Schwarzschild black hole immersed in perfect fluid dark matter*, **Physical Review D**. 104, 084015 (2021).
5. **F. Atamurotov**, S. Shaymatov, P. Sheoran, and S. Siwach, *Charged black hole in 4D Einstein-Gauss-Bonnet gravity: particle motion, plasma effect on weak gravitational lensing and centre-of-mass energy*, **Journal of Cosmology and Astroparticle Physics (JCAP)**, 2021, 45 (2021).

6. G. Z. Babar, **F. Atamurotov**, S. Ul Islam, S. G. Ghosh *Particle acceleration around rotating Einstein-Born-Infeld black hole and plasma effect on gravitational lensing*, **Physical Review D**. 103, 084057 (2021).
7. **F. Atamurotov**, S. Shaymatov, and B. Ahmedov, *Particle Motion and Plasma Effects on Gravitational Weak Lensing in Lorentzian Wormhole Spacetime*, **Galaxies** 9, 54 (2021).
8. **F. Atamurotov**, A. Abdujabbarov, J. Rayimbaev, *Weak gravitational lensing Schwarzschild-MOG black hole in plasma*, **The European Physical Journal C** 81 (2021) 118.
9. G. Z. Babar, **F. Atamurotov**, A. Z. Babar, *Gravitational Lensing in 4-D Einstein-Gauss-Bonnet gravity in the presence of plasma*, **Physics of the Dark Universe**, 32, 100798 (2021).
10. S. Shaymatov and **F. Atamurotov**, *Geodesic Circular Orbits Sharing the Same Orbital Frequencies in the Black String Spacetime*, **Galaxies** 9, 40 (2021).
11. G. Z. Babar, A. Z. Babar, **F. Atamurotov**, *Optical properties of Kerr-Newman spacetime in the presence of plasma*, **The European Physical Journal C** 80 (2020) 761
12. A. Abdujabbarov, J. Rayimbaev, **F. Atamurotov**, B. Ahmedov, *Magnetized Particle Motion in  $\gamma$ -Spacetime in a Magnetic Field*, **Galaxies**, 8(4), 76 (2020).
13. A. Abdujabbarov, J. Rayimbaev, B. Turimov, **F. Atamurotov**, *Dynamics of magnetized particles around 4-D Einstein Gauss–Bonnet black hole*, **Physics of the Dark Universe**, 30, 100715 (2020).
14. A. Abdujabbarov, B. Ahmedov, N. Dadhich, **F. Atamurotov**, *Optical properties of a braneworld black hole: Gravitational lensing and retrolensing*, **Physical Review D**. 96, 084017(2017).
15. **F. Atamurotov**, S. G. Ghosh, B. Ahmedov, *Horizon structure of rotating Einstein-Born-Infeld black holes and shadow*, **The European Physical Journal C** (2016) 76:273.
16. A. Hakimov, **F. Atamurotov**, *Gravitational lensing by a non-Schwarzschild black hole in a plasma*, **Astrophysics and Space Science**, vol.361, pp.112-118, (2016).
17. **F. Atamurotov**, B. Ahmedov, A. Abdujabbarov, *Optical properties of black holes in the presence of a plasma: The shadow*, **Physical Review D**, 92, 084005 (2015).
18. A. Abdujabbarov, **F. Atamurotov**, N. Dadhich, B. Ahmedov, Z. Stuchlik, *Energetics and optical properties 6-dimensional rotating black hole in Gauss-Bonnet gravity*, **The European Physical Journal C** (2015) 75:399.
19. U. Papnoi, **F. Atamurotov**, S. G. Ghosh, B. Ahmedov, *Shadow of five-dimensional rotating Myers-Perry black hole*, **Physical Review D**, 90, 024073 (2014).

20. S. Shaymatov, **F. Atamurotov**, B. Ahmedov, *Isofrequency pairing of circular orbits in Schwarzschild spacetime in the presence of magnetic field*, **Astrophysics and Space Science**, vol.350, pp.413-419, (2014).
21. **F. Atamurotov**, A. Abdujabbarov, B. Ahmedov, *Shadow of rotating non-Kerr black hole*, **Physical Review D**, 88, 064004 (2013).
22. A. Abdujabbarov , **F. Atamurotov** , Y. Kucukakca, B. Ahmedov, U. Camci, *Shadow of the Ker-Taub-NUT black hole*, **Astrophysics and Space Science**, vol. 344, pp.429–435, (2013).
23. **F. Atamurotov**, A. Abdujabbarov, B. Ahmedov, *Shadow of rotating Horava-Lifshitz black hole*, **Astrophysics and Space Science**, vol.348, pp.179-188, (2013).
24. **F. Atamurotov**, B. Ahmedov, S. Shaymatov, *Formation of black holes through BSW effect and black hole - black hole collisions*, **Astrophysics and Space Science**, vol.347, pp.277-281, (2013).
25. **F. Atamurotov**, U. Papnoi, *Silhouette of rotating black hole in Myers-Perry gravity*, **NEWS of the national academy of sciences of the republic of Kazakhstan**, №2, 294, 2014, pp. 29-32.
26. **F. Atamurotov**, *Shadow of the rotating Horava-Lifshitz black hole*, **UzMU xabarlari**, N2/1, pp. 195-197, (2013).
27. A. Hakimov, S. Shaymatov, **F. Atamurotov** Particle acceleration in naked singularities on the background of Kerr-Taub-NUT spacetime, **Uzbek J. Physics**, 2014, V. 16, No.3, pp.178-186.
28. **F. Atamurotov**, A. Hakimov, S. Shaymatov, Silhouette of rotating Kerr-like black hole with deformation parameter, *Uzbek Journal of Physics*, 2015, V. 17, No.2, pp.17-21.
29. S. Shaymatov, **F. Atamurotov**, A. Hakimov, Solar system effects by potentials of galaxy, *Uzbek Journal of Physics*, 2015, V. 17, No.2, pp.71-78.

**B. PUBLICATIONS IN CONFERENCE PROCEEDINGS, SEMINARS, SUMMER SCHOOLS,  
CONFERENCES ATTENDED & SCIENTIFIC TRIPS:**

30. **F. Atamurotov**, 30th Texas Symposium on Relativistic Astrophysics, December 15-20, 2019 **Portsmouth, UK.**
31. **F. Atamurotov**, V-th International Conference on on Cosmology, Relativistic and Nuclear Astrophysics ( ICCRNA 2017), November 1 – 4, 2017, **Almata, Kazakstan.**
32. **F. Atamurotov**, IAU Symposium No. 324 (IAU S324), September 12 – 16, 2016, **Ljubljana, Slovenia.**
33. **F. Atamurotov**, School of Dense Matter 20 June – 01 July, 2015, **Dolgoprudny, Moscow Region, Russia.**
34. **F. Atamurotov**, School of Dense Matter 29 June – 05 July, 2015, **Dubna, Russia.**

35. **F. Atamurotov**, International conference of STRANGENESS IN QUARK MATTER July 06-11, 2015, **Dubna, Russia**.
  36. **F. Atamurotov**, 32nd Winter School in Theoretical Physics on ' 100 Years of General Relativity: From Theory to Experiment and Back ' 29 December - 8 January, 2015, **JERUSALEM, ISRAEL**.
  37. **F. Atamurotov**, *Shadow of rotating non-Kerr black hole*, IAU Symposium No. 312 (IAU S312): Star Clusters and Black Holes in Galaxies across Cosmic Time, August 25 – 29, 2014, **Beijing, China**.
  38. **F. Atamurotov**, *Shadow of rotating black hole in Gauss-Bonnet gravity*, 12<sup>th</sup> Asia – Pacific Regional IAU Meeting (APRIM 2014), August 18-22, 2014/DCC, **Daejeon, Korea**.
  39. **F. Atamurotov**, School of Modern Astrophysics (SOMA-2014) 'X-ray Astronomy and Particle Astrophysics' July 15-26, 2014, **Saint-Petersburg, Russia**.
  40. **F. Atamurotov**, Scientific trip in Max-Planck institute, from June 29 till August 29, 2013, **Golm, Potsdam, Germany**.
  41. **F. Atamurotov**, Workshop on Higgs and Beyond the Standard Model Physics at the LHC, June 24-28, 2013, **ICTP, Trieste, Italy**.
  42. **F. Atamurotov**, Summer School on Particle Physics, June 10-21, 2013, **ICTP, Trieste, Italy**.
  43. **F. Atamurotov**, D. Fayzullaev, *Spin down of rotating compact magnetized strange stars in general relativity*, Proceedings of the International Conference dedicated to the 75th anniversary of academician of NAS RK Abdildin Meyrhan Mubarakovich "Actual problems of modern physics", Almaty, March 15-16, 2013.
  44. A. Abdujabbarov, **F. Atamurotov**, *Particle collision around NUT-black hole in magnetic field*, International Conference Nuclear Science And Its Application, September 25-28, 2012, Samarkand, Book Of Abstracts, P. 180.
  45. **F. Atamurotov**, *Shadow of Kerr-Taub-NUT black hole*, International conference in Black Hole Universe, **Bamberg, Germany**, 18-22 June 2012.
-