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Education:

2009-2012	University of Chinese Academy of Sciences	Ph.D.
2004-2007	Xinjiang University	M.S.
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Research Interests:

Magnetic field evolution, thermal evolution, rotation evolution and radiation mechanism of neutron stars. General relativity, Field theory and particle physics

Selected Publications:

- The scattering of Dirac spinors in rotating spheroids, Gao Zhi Fu, Chen Ci Xing, Wang Na Eur. Phys. J. C , 2020,80,582
- On the Formation of PSR J1640+2224: A Neutron Star Born Massive? Deng Zhu-Ling, Gao, Zhi-Fu*, Li, Xiang-dong and Saho Yong, ApJ, 2020, 892, 4
- Estimation of Electrical Conductivity and Magnetization Parameter of Neutron Star Crusts and Applied to the High-braking-index Pulsar PSR J1640-4631, Wang Hui, Gao, Zhi-Fu *, Wang Na and Jia Huna-Yu, Universe, 2020, 6,63
- The Ohmic decay of dipolar toroidal magnetic fields of magnetars, Gao, Zhi-Fu, Omar, N., Shi, Xiao-Chun Shi, Wang, Na, Astron. Nachr. 2019, 340, 1030
- The Dipole Magnetic Field and Spin-down Evolutions of The High-braking Index Pulsar PSR J1640-4631, Gao, Zhi-Fu, Li, Xiang-Dong, et al. ApJ, 2017, 849,19
- Constraining the Braking Indices of Magnetars, Gao Zhi-Fu, Li Xiang-Dong, Wang Na, et al. MNRAS, 2016, 456,55
- 5. Numerically fitting the electron Fermi energy and the electron fraction in A neutron star, Li Xin-Hu, Gao Zhi-Fu*, Li Xiang-Dong et al. Int. J. Mod. Phys. D,

2016, 25, 1650070

- Modified Fermi energy of electrons in a superhigh magnetic field, Zhi, Cui, Gao, Zhi-Fu*, Wang Na, et al., Modern Physics Letters A, 2016, 31, 11
- Pressure of Degenerate and Relativistic Electrons in a Superhigh Magnetic Field, Gao, Zhi-Fu, LiXiang-Dong, Wang, Na and et al. Modern Physics Letters A, 2013, 28, 1350138
- A possible mechanism for magnetar soft X-ray/ γ -ray emission, Gao, Zhi-Fu, Peng Qiu-He, Wang Na, Zou Zhi-Gang, Chin. Phys. B, 2012, 21, 057109
- The effects of intense magnetic fields on Landau levels in a neutron star, Gao, Zhi-Fu, Wang Na, Song Dong-Ling and Yuan Jian-Ping, Ap&SS, 2011, 334, 281
- Numerical simulation of the electron capture process in a magnetar interior, Gao, Zhi Fu, Wang, Na, Yuan, Jian Ping, et al. 2011, Ap&SS, 332, 129