Major Catalog in School of Physics

Major	Research Field	Mode	Teaching Language
理论物理(Theoretical Physics) (070201)	01. 粒子物理理论(Particle Physics)	Full-time	English
	02. 中高能核物理(Intermediate and High Energy Nuclear Physics)	Full-time	English
	03. 弦论和宇宙学(String Theory and Cosmology)	Full-time	English
	04. 凝聚态理论(Condensed Matter Physics)	Full-time	English
	05. 计算物理(Computational Physics)	Full-time	English
	06. 物理学基础及量子物理(Fundamentals of Physics and Quantum physics)	Full-time	English
粒子物理与原子核物理(Particle and Nuclear Physics) (070202)	01. 理论核物理(Theoretical Nuclear Physics)	Full-time	English
	02. 实验核物理(Experimental Nuclear Physics)	Full-time	English
	03. 实验高能物理(Experimental High Energy Physics)	Full-time	English
	04. 应用核物理(Applied Nuclear Physics)	Full-time	English
原子与分子物理(Atomic and Molecular Physics) (070203)	01. 阿秒物理与超冷原子物理(Attosecond Physics and Ultracold Atomic Physics)	Full-time	English
	02. 分子光电子学与器件物理(Molecular Optoelectronics and Device Physics)	Full-time	English
等离子体物理(Plasma Physics) (070204)	01. 聚变等离子体物理(Fusion Plasma Physics)	Full-time	English
	02. 计算等离子体物理(Computational Plasma Physics)	Full-time	English
	03. 实验等离子体物理(Basic Plasma Experiments)	Full-time	English
	04. 空间与天体等离子体物理(Space and Astronomical Plasma Physics)	Full-time	English
凝聚态物理(Condensed Matter Physics) (070205)	01. 凝聚态理论物理(Theoretical Condensed Matter Physics)	Full-time	English
	02. 凝聚态计算物理(Computational Condensed Matter Physics)	Full-time	English
	03. 宽禁带半导体物理和器件(Wide Bandgap Semiconductor Physics and Devices)	Full-time	English
	04. 纳米半导体与半导体光子学(Nanosemidonductors and Semiconductor Photonics)	Full-time	English
	05. 微纳光子学及近场微区光谱(Nanophotonics and Near-field Optics)	Full-time	English
	06. 纳米结构和低维物理(Nanostructures and Low-Dimensional Physics)	Full-time	English
	07. 高温超导材料、物理与器件(High-temperature Superconducting Physics , Materials and Devices)	Full-time	English
	08. 磁学与磁性材料(Magnetism)	Full-time	English
	09. 低温物理和量子输运(Low Temperature Physics and Quantum Transport)	Full-time	English
	10. 超导与强关联电子体系(Superconductivity and Strongly Correlated Electron Systems)	Full-time	English
	11. 表面物理与化学(Surface Physics and Chemistry)	Full-time	English
	12. 磁学与自旋电子学(Magnetism and Spintronics)	Full-time	English
	13. 冷原子与精密测量(Cold Atoms and Precision Measurements)	Full-time	English
光学(Optics) (070207)	01. 超快科学与非线性光学(Ultrafast Science and Nonlinear Optics)	Full-time	English

光学(Optics) (070207)	02. 光电材料和器件物理(Optoelectronic Materials and Device Physics)	Full-time	English
	03. 量子光学与光量子芯片(Quantum Optics and Integrated Quantum Photonics)	Full-time	English
	04. 介观光学与微纳光子学(Mesoscopic Optics and Micro/Nano Photonics)	Full-time	English
物理学（高能量密度物理）(High Energy Density Physics) (070220)	01. 激光等离子体物理(Laser-plasma Physics)	Full-time	English
	02. 高能量密度物质特性及材料动力学(Material Properties and Dynamics under High Energy Density Conditions)	Full-time	English
	03. 高能量密度流体物理(Hydrodynamics under High Energy Density Conditions)	Full-time	English
物理学（复杂与生命系统物理）(Physics of Complex System and Living Matter) (070223)	01. 生物物理、物理生物学(Biophysics/Physical Biology)	Full-time	English
	02. 软物质科学(Soft Matter Physics)	Full-time	English
	03. 复杂系统与复杂网络(Complex System and Network)	Full-time	English
天体物理(Astrophysics) (070401)	01. 宇宙学与星系物理(Cosmology and Galaxy Astrophysics)	Full-time	English
	02. 星际介质、恒星和行星(Interstellar Medium, Star and Planet)	Full-time	English
	03. 引力和高能天体物理(Gravitation and High-energy Astrophysics)	Full-time	English
	04. 粒子与核天体物理(Particle and Nuclear Astrophysics)	Full-time	English
	05. 天体物理技术和应用(Astronomy Technology and Application)	Full-time	English
气象学(Meteorology) (070601)	01. 大气动力学(Atmospheric Dynamics)	Full-time	English
	02. 中小尺度气象学(Meso- and Micro-scale Meteorology)	Full-time	English
大气物理学与大气环境(Atmospheric Physics and Atmospheric Environment) (070602)	01. 大气辐射与大气遥感(Atmospheric Radiation and Remote Sensing)	Full-time	English
	02. 云物理和大气化学(Cloud Physics and Atmospheric Chemistry)	Full-time	English
	03. 大气化学与气候(Atmospheric Chemistry and Climate)	Full-time	English
	04. 大气边界层和大气湍流(Atmospheric Boundary Layer and Turbulence)	Full-time	English
大气科学（物理海洋学）(Physical Oceanography) (070621)	01. 气候动力学(Climate Dynamics)	Full-time	English
	02. 物理海洋学(Physical Oceanography)	Full-time	English
核技术及应用(Nuclear Technology and Applications) (082703)	01. 射频超导与先进电子束应用(Radio-frequency Superconductivity and Advanced Electron Beam Applications)	Full-time	English
	02. 强场物理与先进加速技术(High-Field Physics and Advanced Acceleration Technology)	Full-time	English
	03. 基于加速器的核技术及应用(Accelerator-based Nuclear Technology and Applications)	Full-time	English
核科学与技术（医学物理和工程）(Medical Physics and Engineering) (082720)	01. 医学物理与医学影像学(Medical Physics and Medical Imaging)	Full-time	English
	02. 医学物理与癌症诊断和治疗(Medical Physics-Cancer Theranostics)	Full-time	English