

## 2024/2025 Academic year, SEMESTER 1 (Autumn)

Title	Lecturer(s) / Convener(s)	form	contact hours	ECTS	Core lectures	Start	Place	Weekday/Time
Introduction to Contemporary Physics I	prof. Jan Mostowski (IF PAN)	lecture	15 x 2h	3	physics catch-up	15.10.2024	Hall A, IF PAN	Tuesday, 9:00-11:00
Solid State Physics I	prof. Marek Godlewski (IF PAN) dr hab. Bartłomiej Witkowski (IF PAN)	lecture	15 x 2h	3	solid state physics	07.10.2024	Hall A, IF PAN	Monday 11:30-13:00 Wednesday 9:00-10:30
Introduction to Atomic Physics	dr hab. Krzysztof Pałowski (CFT PAN) dr hab. Emilia Witkowska (IF PAN)	course	12 x 3h	1.5	atomic and molecular physics	18.10.2024	Hall D, IF PAN	Friday 10:00-11:30
Crystal Growth: Physics, Technology, and Modeling I	prof. Stanisław Krukowski (IWC) prof. Michał Leszczyński (IWC) prof. Zbigniew Żytkiewicz (IF PAN)	lecture	15 x 2h	3	IWC	14.10.2024	Hall D, IF PAN	Monday 15:00-17:00
Science with X-ray Free Electron Lasers	dr hab. Ryszard Sobierajski, prof. IF PAN (Institute of Physics PAS), prof. Wojciech Gawelda (Universidad Autónoma de Madrid, Adam Mickiewicz University), dr hab. Marcin Sikora, prof. AGH (AGH University of Science and Technology), dr hab. Jerzy Antonowicz, prof. PW (Warsaw University of Technology), dr Wojciech Blachucki (Institute of Nuclear Physics PAS)	lecture	20h + 10h project	3	-	14.10.2024	Zoom	Monday, 9:15-11:00
Computational Physics of Cold Atoms	M. B. Kruk, H. Dunikowski, Witkowska (IF PAN) E.	lecture	15 x 1h	1	-	17.10.2024	Hall D, IF PAN	Thursday 13:30-15:00
Foundations of Quantum Theory	dr Piotr Szańkowski (IF PAN)	lecture	15 x 2h	3	-	18.10.2024	Hall D, IF PAN	Friday 13:00-15:00
Selected Topics in Theoretical Physics: Accretion Processes in Astrophysics	prof. Bożena Czerny (CFT PAN)	lecture	15 x 2h	3	-	10.10.2024	Astronomical Observatory of the University of Warsaw, Al. Ujazdowskie 4	Thursday 16:15-18:00
Journal Club	dr hab. Piotr Deuar (IF PAN)	journal club	15 x 1h	1	in obligatory set	21.10.2024	Zoom	Monday, 12:00-13:00
Fundamentals of Physics Seminar	dr hab. Aleksander Wittlin (IF PAN) prof. Łukasz Turski (CFT PAN) prof. Marek Kuś (CFT PAN)	student seminars	15 x 1h	1	in obligatory set	TBD	Zoom	Wednesday, 11:00-12:00