Bad Honnef Summer School “Physics of Imaging” 2026

Time	Sunday, July 5 Arrival	Monday, July 6 Fundamental Concepts	Tuesday, July 7 Photons and Beyond	Wednesday, July 8 X-rays and Beyond	Thursday, July 9 Challenges of 3D Imaging	Friday, July 10 Deep & Quantum Imaging
08:00 – 09:00		Breakfast				
09:00 – 10:30		Lecture 1: Computational Imaging *Yoav Shechtman*	Lecture 5: X-ray Holography and Phase Retrieval *Max Langer*	Lecture 8: Nanoscale X-ray Imaging *Manuel Guizar-Sicairos*	Lecture 10: Tomography I *Viktor Nikitin*	Lecture 14: AI for imaging *Julian Tachella*
10:30 – 11:00		Coffee Break				
11:00 – 12:30		Lecture 2: X-ray darkfield imaging *Kaye Morgan*	Lecture 6: X-ray Ptychography *Pierre Thibault*	Lecture 9: Histology with Phase Contrast Imaging *Anne Bonnin*	Lecture 11: Tomography II *Joost Batenburg*	Lecture 15: Super-Resolution Imaging *Rainer Heintzmann*
12:30 – 14:00		Lunch Break				Lunch
14:00 – 15:30		Lecture 3: Randomness & Imaging *Jonathan Dong*	Hands-on Tutorial: Toolboxes for Phase Retrieval *Jens Lucht*	Contributed Talks / Excursion	Lecture 12: Magnetic Resonance Imaging *Mariam Andersson*	Departure
15:30 – 16:00	Arrival	Coffee Break			Coffee Break	
16:00 – 17:30		Lecture 4: Inverse Problems in Imaging *Anne Wald*	Lecture 7: Electron Ptychography *Philipp Pelz*		Lecture 13: Optoacoustic & Speed-of-sound Imaging *Michael Jaeger*	
18:00 – 19:00	Dinner					
19:00 – 21:00	Welcome and Introduction, Get Together	Poster Session I		Contributed Talks	Poster Session II	