Bad Honnef Summer School "Physics of Imaging" 2026 – Preliminary Timetable

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 I – Fundamentals *Yoav Shechtman*	Lecture 5: Phase Contrast Imaging and Phase Retrieval I – Holography *Max Langer*	Lecture 8: X-ray Imaging at the Limits *Manuel Guizar-Sicairos*	Lecture 10: Tomography I – the ideal and the non-ideal *Joost Batenburg*	Lecture 14: "AI" for imaging *Julian Tachella*
10:30 – 11:00		Coffee Break				
11:00 – 12:30		Lecture 2: tbd *Kaye Morgan*	Lecture 6: Phase Retrieval II – Ptychography & beyond *Pierre Thibault*	Lecture 9: Histology with X-ray Phase Imaging *Anne Bonnin*	Lecture 11: Tomography II *Viktor Nikitin*	Lecture 15: Super-Resolution Imaging *Rainer Heintzmann*
12:30 – 14:00		Lunch Break				Lunch
14:00 – 15:30		Lecture 3: Imaging & Randomness *Jonathan Dong*	Hands-on Tutorial 1: Toolboxes for Phase Retrieval *Jens Lucht*	Contributed Talks / Excursion	Lecture 12: MRI *Mariam Andersson*	Departure
15:30 – 16:00		Coffee Break			Coffee Break	
16:00 – 17:30	Arrival	Lecture 4: Inverse Problems in Imaging *Anne Wald*	Lecture 7: Fourier Ptychography *Philipp Pelz*		Lecture 13: Looking Deeper with Light and Sound *Michael Jaeger*	
18:00 – 19:00	Dinner					
19:00 – 21:00	Welcome and Introduction, Get Together	Poster Session I		Contributed Talks	Poster Session II	