

# IMPRS Lecture Week No. 1

11.03 – 16.03.2018



	Monday	Tuesday	Wednesday	Thursday	Friday
<b>09.00 - 10.30</b>	1: GWs and their effect  K. Danzmann	3: Ifo and DC read out  B. Willke	1: Special Relativity Reminder I  J. Steinhoff	3: Tensor Analysis in Special Relativity II  J. Steinhoff	5: Curved Spacetimes II  J. Steinhoff
<b>11.00 - 12.30</b>	2: Modulation  B. Willke	2: Hypothesis testing  Dent/Ohme	2: Tensor Analysis in Special Relativity I  J. Steinhoff	4: Optical Resonators  H. Lück	5: Ifo noise sources  H. Lück
<b>14.00 - 15.30</b>	1: Probability theory as extended logic  Dent/Ohme	3: Parameter estimation  Dent/Ohme	4: Discrete signal processing and looking at data  Dent/Ohme	4: Curved Spacetimes I  J. Steinhoff	5: Introduction to binary merger signals, GW150914  Dent/Ohme
<b>16.00 - 17.30</b>	Question period & PhD Presentation	geo-Q3 Lecture	geo-Q4 Lecture	"Modified Theories of Gravity: Why and How" and "Teleparallel gravity and its modifications" by Kostas and Sebastian	