

Lecture Week No. 2

12.06. – 17.06.2016



	Monday	Tuesday	Wednesday	Thursday	Friday
Relativity/ Astrophysics 9 - 10.30 h	6: PSD and friends K. Danzmann	6: Einstein equations, initial-value formulation A. Harte	7: Linearized Gravitational Waves M. Otto	9: Generation of GWs in linearized theory J. Steinhoff	10: Spherical stars J. Steinhoff
Experimental 11 - 12.30 h	7: SN, PR, SR, PSE B. Willke	8: Non-classical light St. Ast	8: Linearized theory, action on detect M. Otto	9: Generation of squeezed light J. Lough	10: Squeezed light application and SQL J. Lough
Data Analysis/ Statistics 14 - 15.30 h	6: Basic statistic Bayes, Neyman-Pearson St. Babak	7: Likelihood, matched filtering for GW detection St. Babak	8: Signal vetoes, chi-square, significance of signal St. Babak	9: Gaussian and non-Gaussian noise and statistics St. Babak	10: Multiple detector burst searches St. Babak