Lecture Week No. 3

	Monday, 21.09.	Tuesday, 22.09.	Wednesday, 23.09.	Thursday, 24.09.	Friday, 25.09.
Experimental (9 – 10.30)	Lecture 1: Gaussian optics **K. Danzmann**	Lecture 2: Advanced interferometer configurations **St. Danilishin**	Lecture 3: Non-classical light **M. Heurs**	Lecture 4: Generation of squeezed light **H. Vahlbruch/ M. Mehmet**	Lecture 5: Squeezed light application and Standard Quantum Limit **B. Hage**
Astrophysics (11 – 12.30)	Lecture 1: Massive black hole dynamics **P. Amaro-Seoane**	Lecture 2: Massive black holes in the Universe: formation, evolution and gravitational waves **B. Schutz**	Lecture 3: Astrophysics & Cosmology with ET **B. Sathyaprakash**	**Guest lecture by:** **Dr. Marta Marcos IMEDEA (Institut Mediterrani d´Estudis Avancats)** **"Sea Level and Climate"**	Lecture 4: ***(part II)*** Evolution of binary systems and steller remnants **E. Goetz**
(14 – 15.30)	Lecture 5: Evolution of single stars **St. Babak**	Lecture 4: ***(part I)*** Evolution of binary systems and steller remnants **St. Babak** **Project work**	**Project work**	**Project work**	**Project work**
Project work	**K. Danzmann, B. Schutz, P. Amaro-Seoane, St. Babak, St. Danilishin, E. Goetz, B. Hage, M. Heurs, M. Mehmet, H. Vahlbruch, B. Sathyaprakash, J. Steinlechner,**				