Lecture Week No. 3

Experimental Lectures	Thermal Noise **Danzmann**	Quantized Fields **Schnabel**	Thermal Noise **Danzmann**	Squeezing of light **Schnabel**	Optomechanics and QND **Schnabel**
Astrophysical Lectures	Universe evolution, observational evidences, GW detectors and their sensitivity **Schutz**	Galactic WD binaries. Formation of Massive BHs: hierarchical formation tree: galaxy mergers. Dynamical friction, "last parsec" problem **Sesana**	Pulsars (isolated and in binaries). Binary evolution: Roche lobe, accreting systems. NS, BH binary populations **Babak**	Star formation and evolution, including end point: WD, SNe -> NS, BH **Babak**	Massive BH in Milky Way. Extreme mass ratio inspirals. pulsar timing as GW detector. Exotic GW sources: cosmic strings + ... **Amaro Seoane**
Project Work	Project work in groups **Experts**	Project work in groups **Experts**	Project work in groups **Experts**	Project work in groups **Experts**	Presentations **Experts**