

Lecture Week No. 3



Experimental Lectures	Thermal Noise	Thermal Noise	Quantized Fields	Squeezing of light	Optomechanics and QND
Astrophysical Lectures	Massive black holes in the Universe: formation, evolution and gravitational waves	Star formation and evolution, including end point: WD, SNe -> NS, BH	Pulsars (isolated and in binaries). Binary evolution: Roche lobe, accreting systems. NS, BH binary populations	Massive black hole dynamics	Presentations
Project Work	Project work in groups	Project work in groups	Project work in groups	Project work in groups	Presentations