

« Advanced Optical Systems for Gravitational Wave Detectors »
Andreas Freise ; University of Birmingham, UK

The hunt for gravitational waves has been driving new developments in ultra-high precision interferometry. To go beyond the standard limits of interferometry, the modern gravitational wave detectors must combine the most stable laser sources with complex optical topologies. Novel optical systems have been developed in order to achieve a continuous operation of interferometers with extremely high sensitivity and stability.