



Monday 4 July, 10:10 – 10:35

Session 1: Welcome and introduction

Observation of gravitational waves: Discovery, near-future plans and multimessenger prospects

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The recent observation of gravitational waves unveiled numerous opportunities in astrophysics, as well as in the study the cosmos and the laws of physics. With annually improving detectors, gravitational wave observations are set to rapidly expand in the next years. I will introduce the first gravitational-wave detection and its background. I will then discuss plans and prospects for future observational periods, starting with the next run of LIGO and Virgo set to begin later this year. I will finally outline the status and plans for multimessenger observations, in particular neutrinos, which will broaden our horizon with gravitational waves.