

Birth and perspectives of gravitational-wave and multi-messenger astronomy

📅 06.04.2018 ⌚ 12:30 - 13:00 📍 Hall 1A 🗨️ Plenary

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The observations of the Advanced LIGO and Virgo gravitational-wave detectors produced ground-breaking discoveries, opening the new frontier of observational astronomy. The talk will give an overview of the major astrophysical impacts binary black-hole coalescences and the binary neutron star GW170817. The GW170817 discovery was accompanied by the largest ever electromagnetic follow-up campaign, which has led to outstanding broad-band electromagnetic observations. Challenges and perspectives of gravitational-wave and the electromagnetic follow-up over the next decade will be discussed.