

Scientific Report from “Dutch multi-messenger astronomy in the 2030s”

The workshop “Dutch multi-messenger astronomy in the 2030s” was an informal community-building event involving about fifty researchers from the Dutch-Belgian gravitational-wave and astronomy communities. The focus was on the scientific landscape in the 2030’s, and what the NL community needs to do now to prepare for the opportunities and challenges. The discussions on the first day centered around fundamental physics, while the second day emphasized astrophysics. The program included overview talks about instruments and capabilities, short sparkler talks on specific scientific aspects, and discussion sessions. Further, the leaders of the multi-messenger working groups for LISA and the Einstein Telescope (Drs. Nissanke and Rossi) discussed specific community inputs needed now for completing the preparatory science work-packages.