

# Investigating the universe with gravitational waves: recent results and future prospects

*Friday, 26 March 2021 09:50 (30 minutes)*

In the past few years, gravitational waves have proved an incredible tool to investigate the Universe. The third LIGO-Virgo observation run was concluded last Spring and results from its first half, O3a, are now available. I will give an overview of these new events and their implications, focusing on the so-called “special events”, whose unexpected features require us to question our current understanding of the astrophysics of compact objects. I will then outline the future prospects in gravitational waves, in particular for what concerns the Dutch efforts in this field.

## Summary

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**Session Classification:** Update talks