

## 12th Iberian Gravitational Waves Meeting



Contribution ID: 32

Type: **Contributed Talk (20 minutes)**

# GWTC-3: Parameter Estimation Formalism & Results

*Monday 6 June 2022 12:00 (20 minutes)*

As a member of the LVK Collaboration, I will review the third Gravitational Wave Transient Catalog (GWTC-3) describing the signals detected with Advanced LIGO and Advanced Virgo up to the end of their third observing run. I will focus on the parameter estimation part of the catalog, giving details on the main inference methods and checks we do to assess whether a given result is reasonable. I will then show this formalism in action with two events GW200322\_091133 and GW191219\_163120 both in the wider context of the Catalog and individually based on their inference results.

## Which topic best fits your talk?

GW Experimental Results

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