



Contribution ID: 227

Type: **Talk**

## LVK detectors status and future plans

*Tuesday 3 September 2024 12:00 (20 minutes)*

The LVK network of gravitational waves detectors is currently operating its fourth observing run O4. The second generation interferometers underwent several important upgrades alternating with observation runs during the last decade, in order to approach the design sensitivity. My talk will review the various detector's changes and the corresponding sensitivity evolution since the first observing run O1 to date. I will then give an overview of the planned upgrades to further increase the science reach of the LVK network until the operation of 3rd generation GW detectors.

### Internet talk

Maybe

### Is this an abstract from experimental collaboration?

Yes

### Name of experiment and experimental site

### Is the speaker for that presentation defined?

Yes

### Details

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**Session Classification:** Workshop on Instruments and Methods

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