Python and **Gravitational Waves**



Gravitational Wave Open Science Center



Data -

Software **▼**

https://www.gw-openscience.org/software/

Online Status ▼

About GWOSC ▼

Software for Gravitational Wave Data

Many of these packages can be installed through LSCSoft Conda. See installation suggestions on the software setup page.

GWpy

GWpy is a python package for gravitational-wave astrophysics.

GWpy Home Page

PyCBC

PyCBC is a software package used to explore astrophysical sources of gravitational waves. It is a python package that provides functionality to analyze gravitational-wave data, detect the signatures of compact binary mergers, and estimate the parameters of a potential source.

- Home Page
- Online Notebooks
- Docker container

Data and Python code can be freely downloaded

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https://www.gw-openscience.org/GW150914data/GW150914 tutorial.html
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