

Running GUILD

as an easy way to get GDS triggers and other data

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What is GUILD

- **GUILD** (Graphical User Interface to the LDAS data metabase) is a package written by P.Shawhan
- It is extremely **flexible** and **user friendly**, a tool that can be efficiently used by students for basic trigger analysis, the only “limitation” being the need for an LDAS account

How do we get GUILD

- The absolute reference is this web-page:

<http://www.ldas-sw.ligo.caltech.edu/ligotools/>

- Easy to install, there are version for practically all platforms : very practical on Windows systems

What can we do with GUILD

- Retrieve **frame data** (Gaby's talk yesterday)
- Retrieve **GDS triggers**
 - produced in a selected period
 - produced by a particular (set of) monitor(s) or channel(s)
- Save triggers in **different formats** (ASCII, XML)
 - > we can analyze them with EventTool (Laura's talk yesterday)
 - > we can feed them to Matlab or any other code

Example – retrieve GDS triggers

- **Choose LDAS server** : stay local
- **Database name** : here you choose the science run/period
- **LDAS metadata database**: choose GDS triggers
- **Build the query** for the GDS triggers table (see real time example)
- **Submit the query**
- **Save result in desired format** and you're done!
- Note: the help pages are really helpful !!!
- Also, try the practical tool for GPS time conversion (no need for LDAS password)