

# MaGeToADL

## manual

1. Pre-requisite:
  - MGDO / GELATIO / ROOT / SWMOD
  - Git clone ADL4 @ mppmu GitHub (<https://github.com/mppmu/ADL4.git>) and compile it
2. Git clone MaGeToADL @ Kermaidy GitHub account  
<https://github.com/Kermaidy/MaGeToADL.git>
3. Add to your `${HOME}/.bashrc`
  - `export ADLDIR="/path/to/adl-4.2/examples/GERDA"`
  - `export MAGETOADLDIR="/path/to/MaGeToADL"`
  - `export LD_LIBRARY_PATH="${MAGETOADLDIR}/lib:$LD_LIBRARY_PATH"`
4. - Set `SWMOD_PATH` in *LaunchExecModuleIni.sh*, *LaunchJobConvolution.sh* and *LaunchJobSimulation.sh*
  - Set `SCRIPT_PATH` in *JobScript.sh*
  - Set *GERDA*, *GELATIO* and *MGDO* paths in the *Makefile*
5. Create following repositories in `/Path/To/MaGeToADL`:
  - *RawData/* -> output ROOT files from MaGe
  - *RawPulses/* -> output of ADL raw pulses processing files
  - *Tier1/* -> output of pulses convolution – Noise – Signal decay – E.R.
  - *Tier2/* -> output of GELATIO
6. Compile MaGeToADL: “make”
7. Check for individual pieces of code (should return informative message):
  - `./SimulatePulses`
  - `./ConvolutePulses`
  - `execModuleIni`