Simulating Leptogenis

* **ULYSSES: Universal LeptogeneSiS Equation Solver**

<https://arxiv.org/abs/2007.09150>

get the code from:

<https://github.com/earlyuniverse/ulysses>

(or use the one in my home dir at Nikhef):

**ssh -Y** [**you@stbc-i1.nikhef.nl**](mailto:you@stbc-i1.nikhef.nl)

**source /cvmfs/sft.cern.ch/lcg/views/LCG\_97python3/x86\_64-centos7-gcc8-opt/setup.sh**

**export ULYSSES=/user/t61/ulysses**

**export PYTHONPATH=${PYTHONPATH}:${ULYSSES}**

**export PATH=${PATH}:${ULYSSES}/bin**

**uls-calc -m 1BE3F $ULYSSES/examples/1N3F.dat -o plot.png**

**display plot.png**

things to try :

* + Try to find a model that produces the Baryon Asymmetry with only the low-mass dirac phase
  + What happens when you change the mass the right-handed neutrinos? (remember what  
    is on the x-axis ☺ )