How to use the IMRPhenomPv2_NRTidal waveform with Python 2.7

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1 Ask for access to the LIGO cluster

2 Connect to the cluster

— Type **gsissh -l yourLIGOusername ldas-pcdev2.ligo.caltech.edu** or **gsissh -l yourLIGOusername ldas-pcdev6.ligo.ca** in your command line.
— If the error message **-bash: gsissh: command not found** appears, type the command **source .bash_login** then try again.
— If it asks for your password then doesn't accept it, type the command **ligo-proxy-init yourLIGOusername**, give your LIGO account password when asked, then try again.

3 Use IMRPhenomPv2_NRTidal

— This waveform is at the moment only available in LALinferenceO2, which means it's not in the regular LALsuite package. To use it, connect to the cluster and type **source ∼cbc/pe/lalinference_o2.sh** in the command line.
— in the script: **approx=lalsim.IMRPhenomPv2_NRTidal**
— order for the arguments to call the function:
hpf1, hcf1 = lalsim.SimInspiralChooseFDWaveform(phiRef,deltaF,m1_SI,m2_SI,s1x,s1y,s1z, s2x,s2y,s2z,fmin, fmax,fref,distance,inclination,lambda1,lambda2,None,None,0,0,approx)
source code: https://git.ligo.org/lscsoft/lalsuite/blob/lalinference_o2/lalsimulation/src/LALSimInspiral.c#L891