

# ABINIT + Wannier tutorial

- `ssh -Y userXX@quantum2024.ccs.usherbrooke.ca`
- `source /project/doc/abinit_tutorial/setup_wannier`
- `cd ~/tests/tutoplugs/Input`
- `source load_abinit`
- Do Wannier90 tutorial of ABINIT (<https://docs.abinit.org/tutorial/wannier90/>)
  - Start at 1
  - In 2, skip the “configure part”
  - In “Visualize the Wannier functions”, skip xcrysden and type “VESTA”, it will start the VESTA program. Open the file ‘wannier90\_00003.xsf’ file.
  - In 5, before launching the calculation, uncomment the line 13 “!bands\_plot=.true.” in the .win file. Then you can plot using ‘gnuplot’. Add “pause -1” to the “tw90\_4o\_DS3\_band.gnu” file.