

Working Status

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Play with GENIE

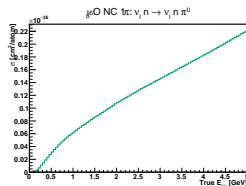
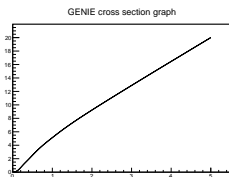
- calculate cross-sections for neutrinos scattering off an atom

```
$ gmkspl -p 14 -t 1000080160 -n 150 -e 5
```

- generate N neutrinos scattered off an atom

```
$ gevgen -n 10000 -e 6.0 -p 14 -t 1000080160 -cross-sections  
/data/xsec_splines.xml -seed 17127
```

GENIE vs NEUT



- run `gevgen` with a real flux, for example T2K
- run `gevgen_hadron`
- study ROOT
- compare GENIE results with data by using NUISANCE
- Research neutrino-nucleus interaction in GENIE