

How to use the jupyter-notebook for common visualization of the energy spectra

1. Go to <https://github.com/fewagner/excess>
2. Press launch-binder

fewagner Merge pull request #12 from fewagner/develop 975c769 34 minutes ago 80 commits

File	Commit Message	Time
data	add binned data	3 hours ago
.gitignore	efficiencies and mock data	5 days ago
EnergySpectra.ipynb	citations added	40 minutes ago
Experiments info form.pdf	Add the info form	yesterday
README.md	Update README.md	yesterday

README.md

launch binder

Excess Workshop Data Repository

3. Wait until the repository is loaded
4. Open EnergySpectrum.ipynb notebook

jupyter

Files Running Clusters

Select items to perform actions on them.

0 /

- data
- EnergySpectra.ipynb**
- Experiments info form.pdf
- README.md

5. Run the whole notebook by pressing  sign

jupyter EnergySpectra (autosaved)

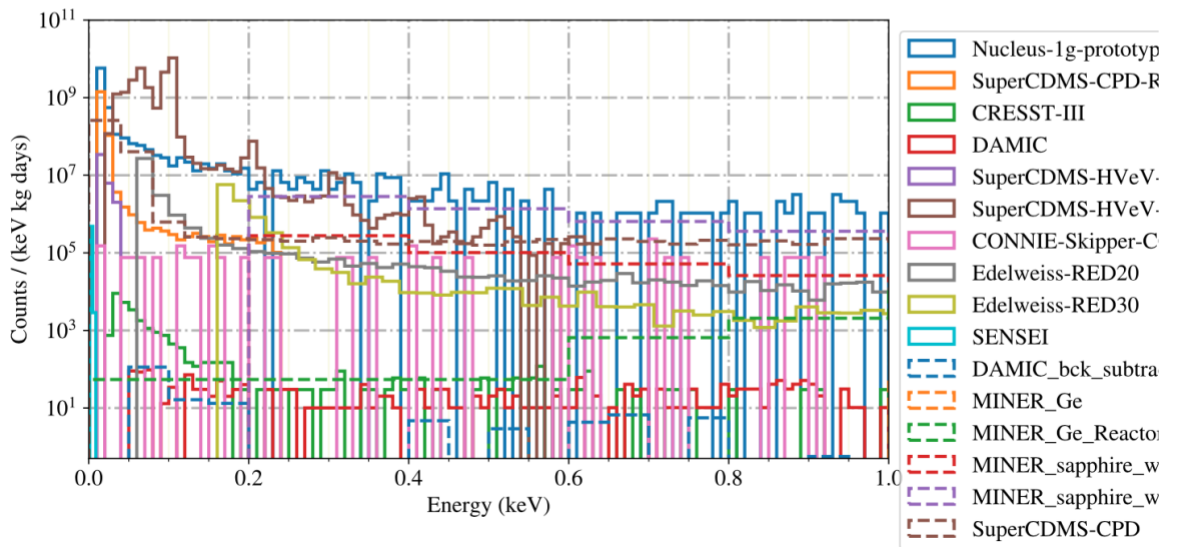
File Edit View Insert Cell Kernel Widgets Help

Run

6. Scroll down to see the common plot and the settings to be adjusted

- Plot SuperCDMS-HVeV-Run1
- Plot SuperCDMS-HVeV-Run2
- Plot CONNIE-Skipper-CCD
- Plot Edelweiss-RED20
- Plot Edelweiss-RED30
- Plot SENSEI
- Plot DAMIC_bck_subtracted
- Plot MINER_Ge
- Plot MINER_Ge_Reactoroff
- Plot MINER_sapphire_with_ss
- Plot MINER_sapphire_without_cut
- Plot SuperCDMS-CPD

Bin width: 10.0 eV



7. Select the experiments you want to plot by setting corresponding check boxes and adjust further settings. The plot will get updated automatically.