

HAWC/Novae

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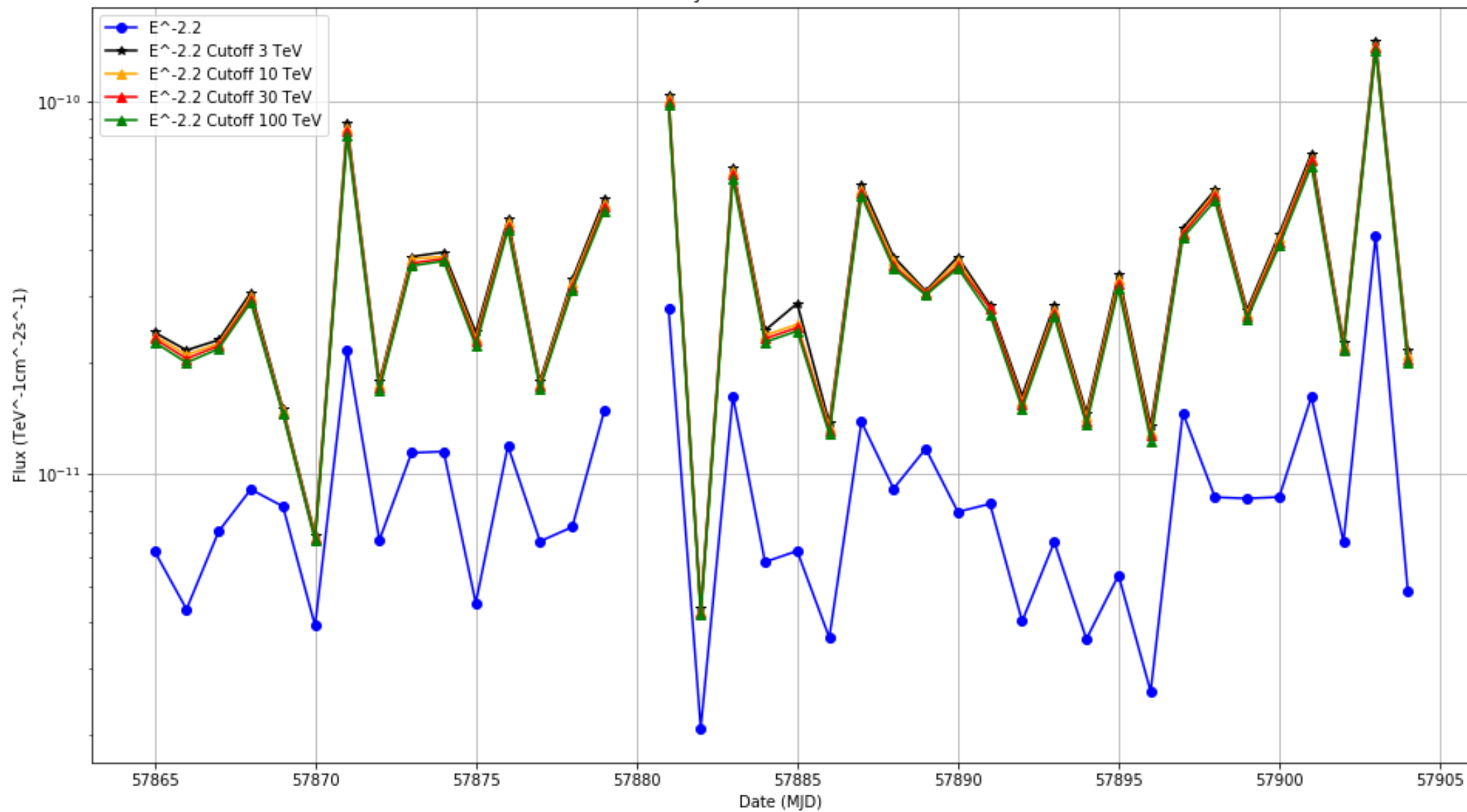
New Environment

- Last week Joe gave me a new environment to perform calculations
- New version of the environment I was using previously.
 - Old version had been updated and there were issues
 - This new version doesn't have the known issues
- This includes improvement to the Limit95CL script
 - Now will give repeated answers to the same calculation

Limits in the new environment

- I have discussed previously that I was concerned by the “random” behavior of the limits
- If the spectra were similar, they should have similar limits

Daily Flux of V392 vs Date



Limits in the new environment

- The limits are far more internally consistent
 - There is a pattern within all the limits returned
 - There are still minor variations but there is a much greater deal of consistency

Conclusion

- New Limits are much more consistent and repeatable within the new environment.
- General patterns are now being followed
- Much more trust in the returned values