

# Novelties in **CRDB** + wish list for python plots



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# Novelties...

## DB structure and code [IN PROGRESS]

- Few changes (2 ‘redundant’ tables merged)
- All in git (made public in another release)
- Few keywords added (for new ‘quantities’)

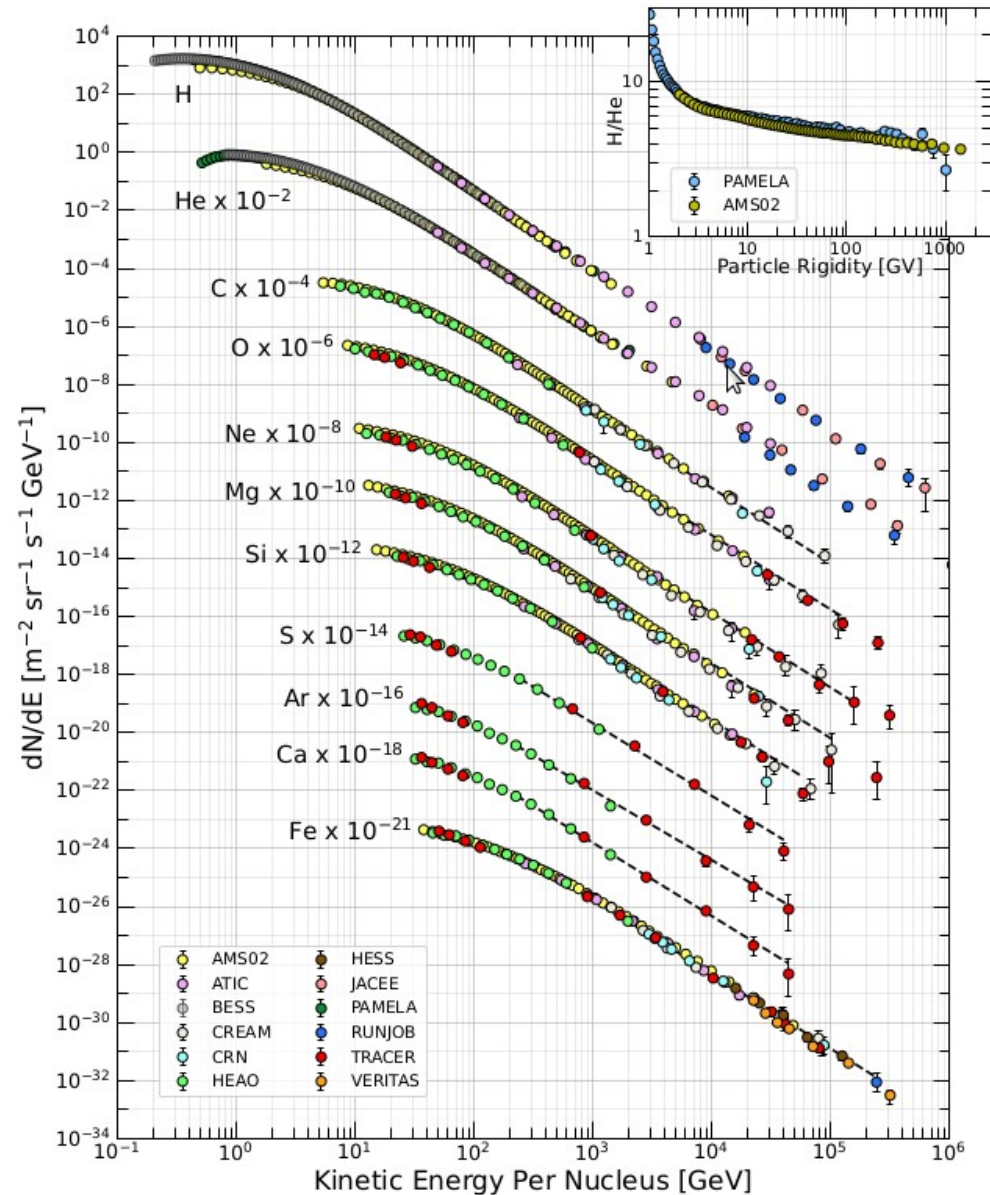
## DB displays/interface [IN PROGRESS]

- New plots for time series
- New export format (matching import format)
- Improved sorting for ‘Experiments’ tab

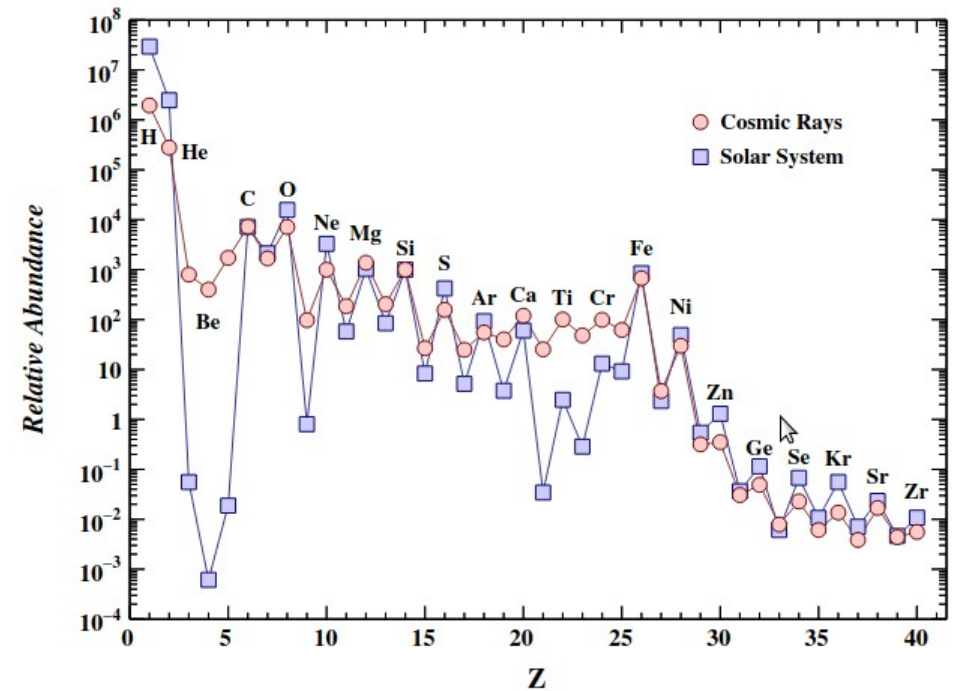
What?	Who?	Validation exchange format	Compilation (meta-)data	Upload in CRDB
- Data since 2020 - AMS-02 time series - Old balloon data - Historical pbar	D.M.	-	DONE DONE IN PROGRESS	DONE DONE IN PROGRESS
KCDC data (UHECR)	A. Haungs, D. Wochele, J. Wochele	DONE	IN PROGRESS (meta-data)	TO DO
Anisotropy data (dipole + phase) (+neutrino?)	M. Ahlers, P. Mertsch	IN PROGRESS	IN PROGRESS	TO DO
AESOP $e^-e^+$ data (unpublished)	P.-S. Mangeard et al.	IN PROGRESS	IN PROGRESS	TO DO

# Wish list for python displays: nuclei

Fluxes to extend **up to Ni**  
(CALET & DAMPE data)



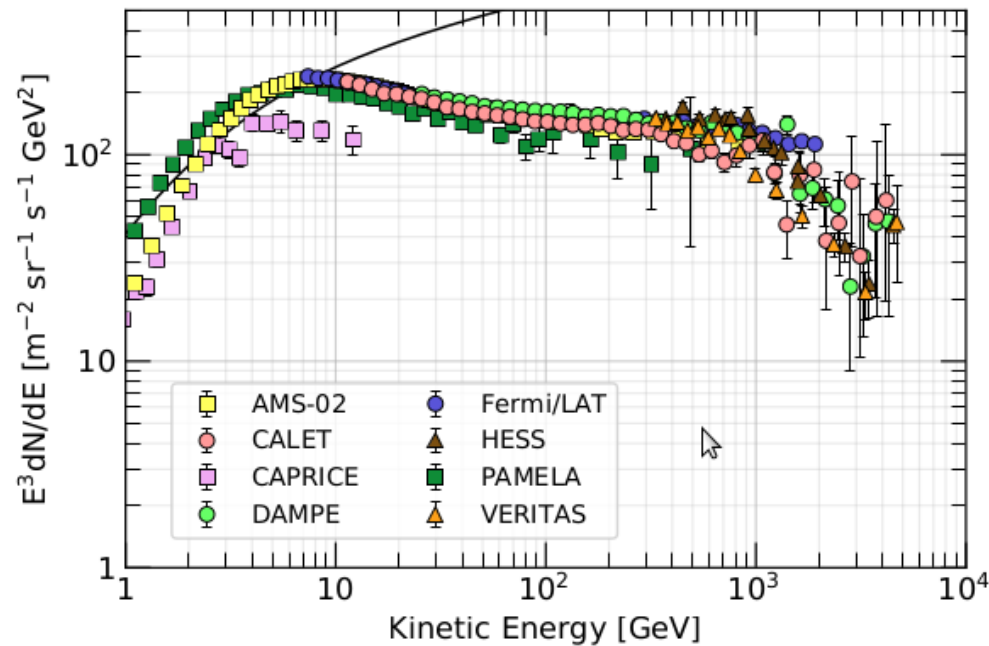
To extend up to Uranium



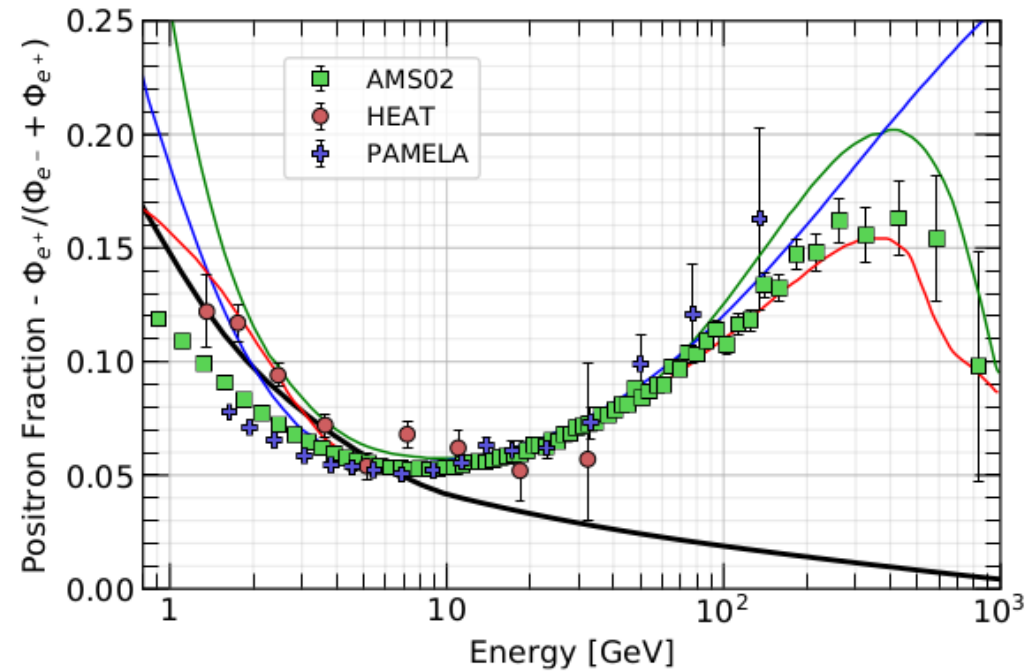
+ time series  
H and He

# Wish list for python displays: leptons

Electrons + positrons

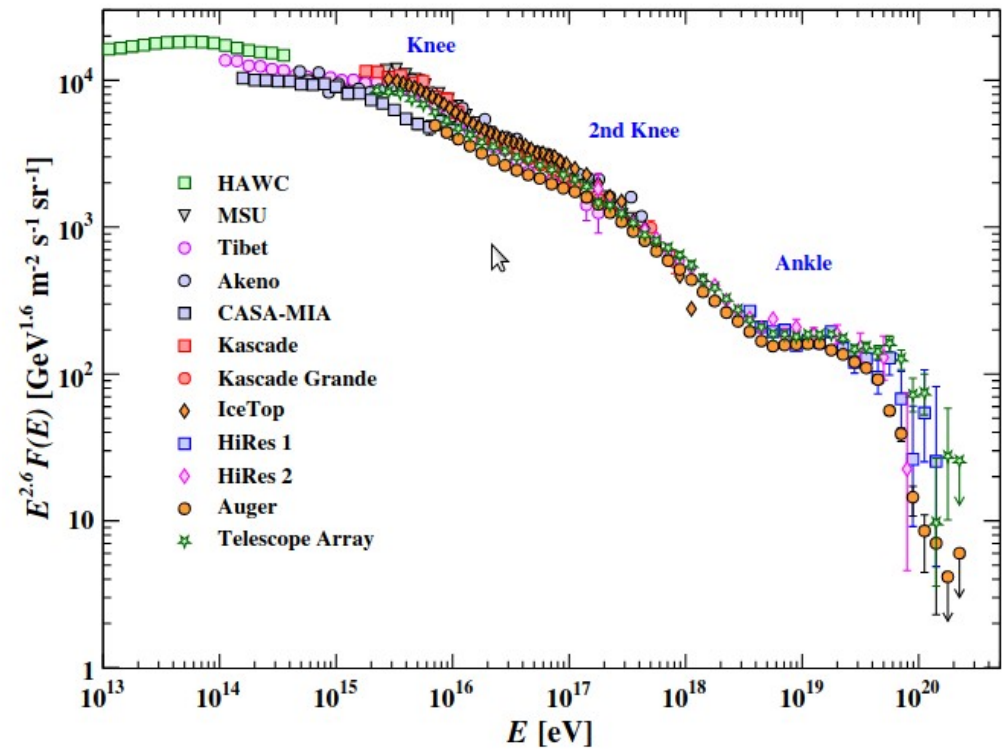
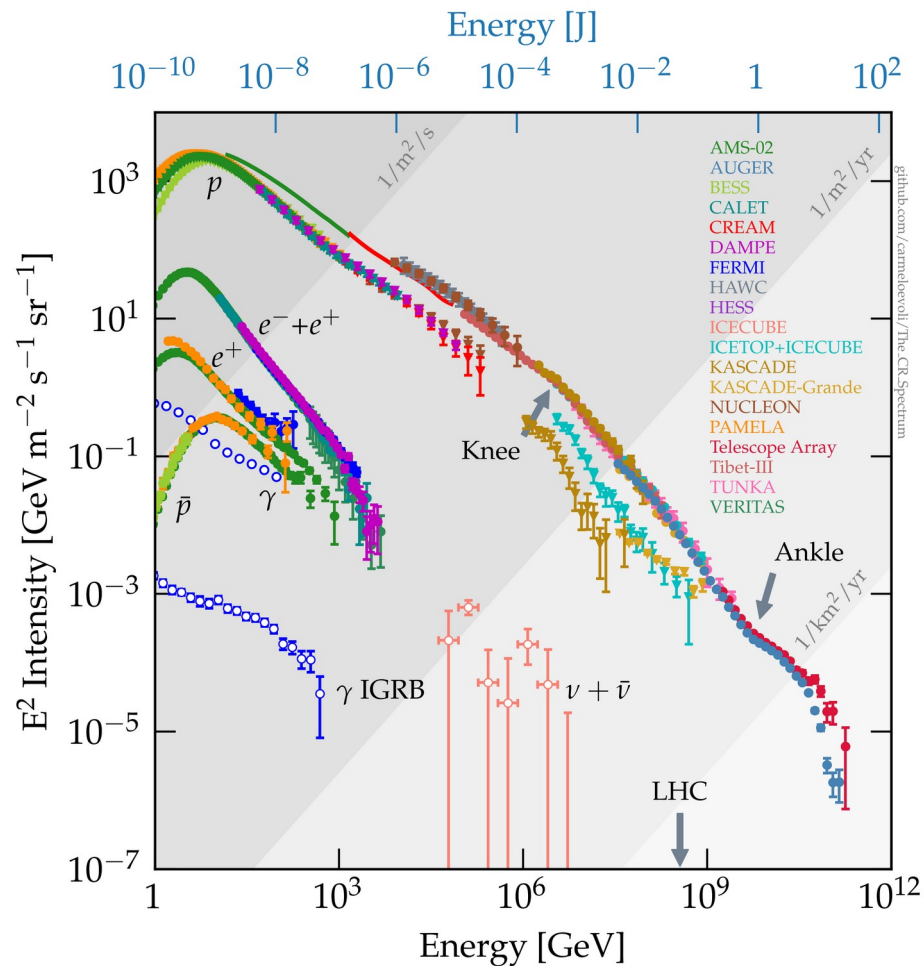


Positron fraction



+ electrons only  
+ positrons only  
+ **time series**

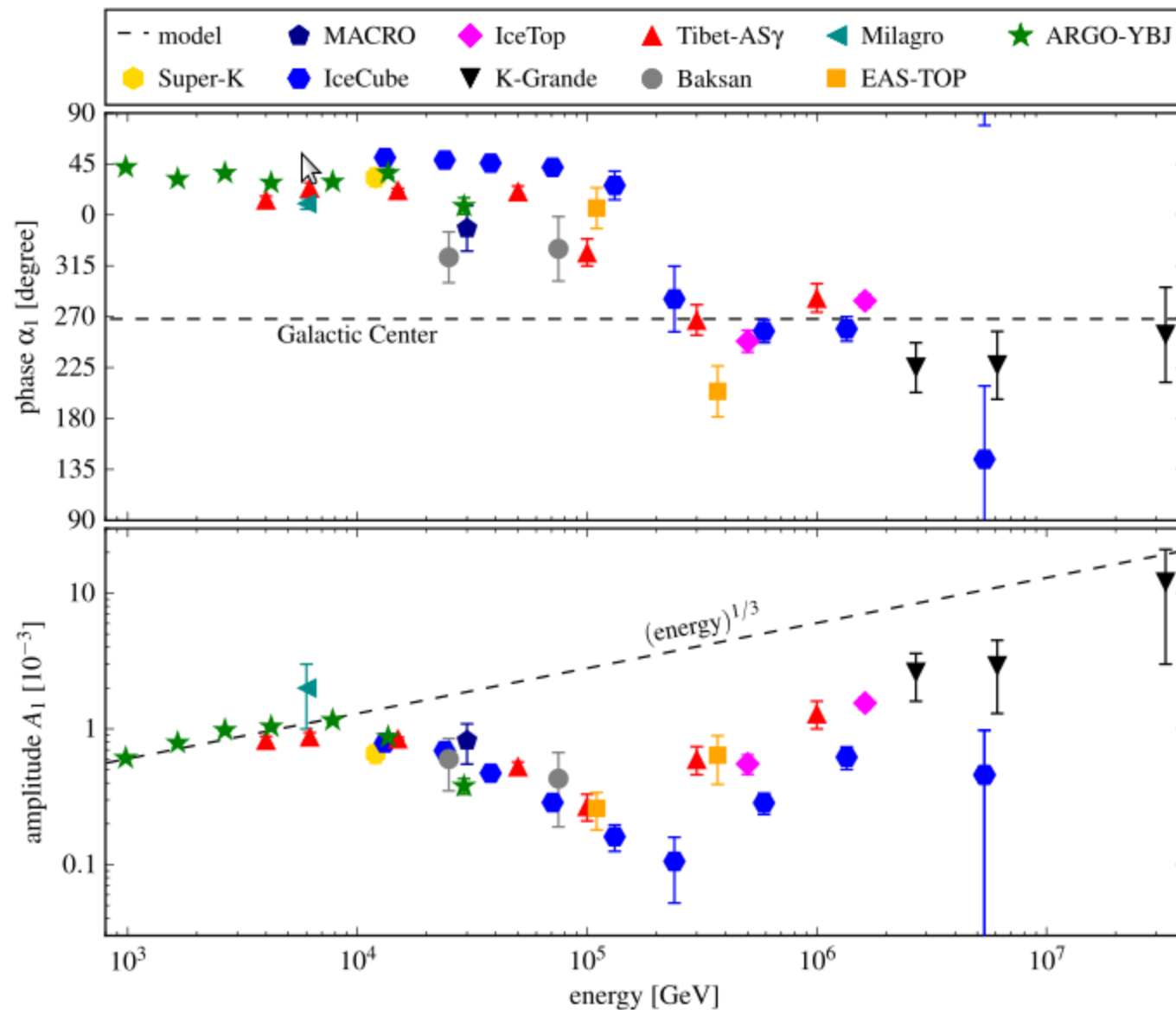
# Wish list for python displays: ‘all particles’



From [https://github.com/carmeloevoli/The\\_CR\\_Spectrum](https://github.com/carmeloevoli/The_CR_Spectrum)

+ Voyager data

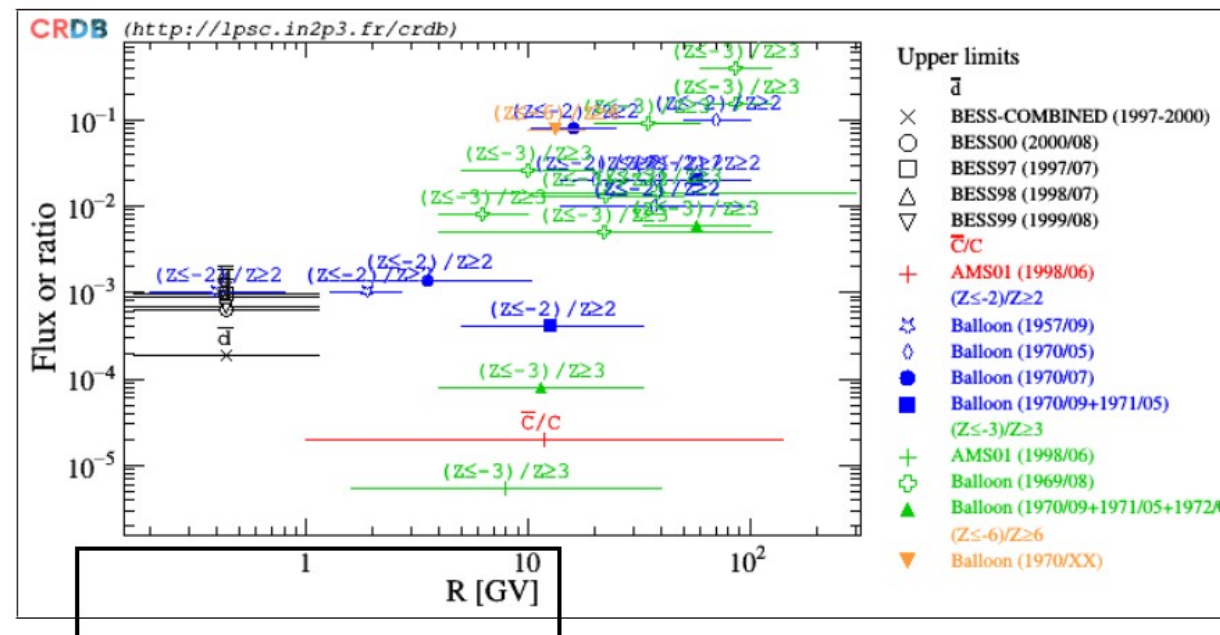
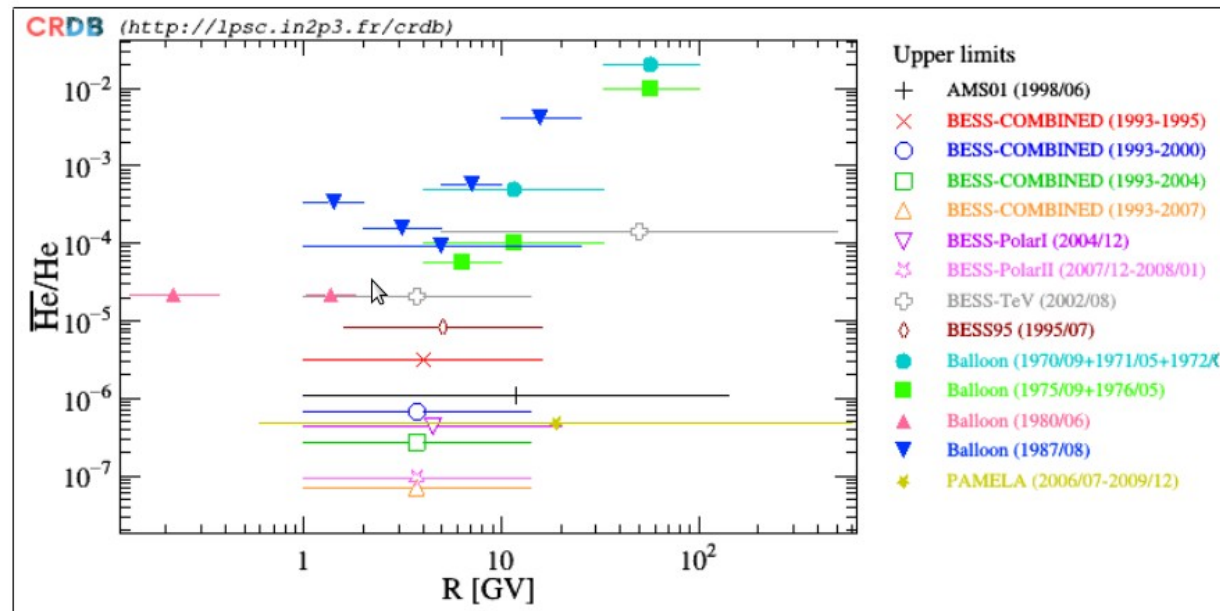
# Wish list for python displays: anisotropy



From <https://ui.adsabs.harvard.edu/abs/2017PrPNP..94..184A/abstract>



# Wish list for python displays: anti-nuclei upper limits



From CRDB second release

→ Single nice plot with  $\bar{\text{d}}$  He-bar/He, Cbar/C ?