

Revealing G150.3+4.5 as a dynamically young SNR with gamma-ray data

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(on behalf of the Fermi-LAT collaboration)

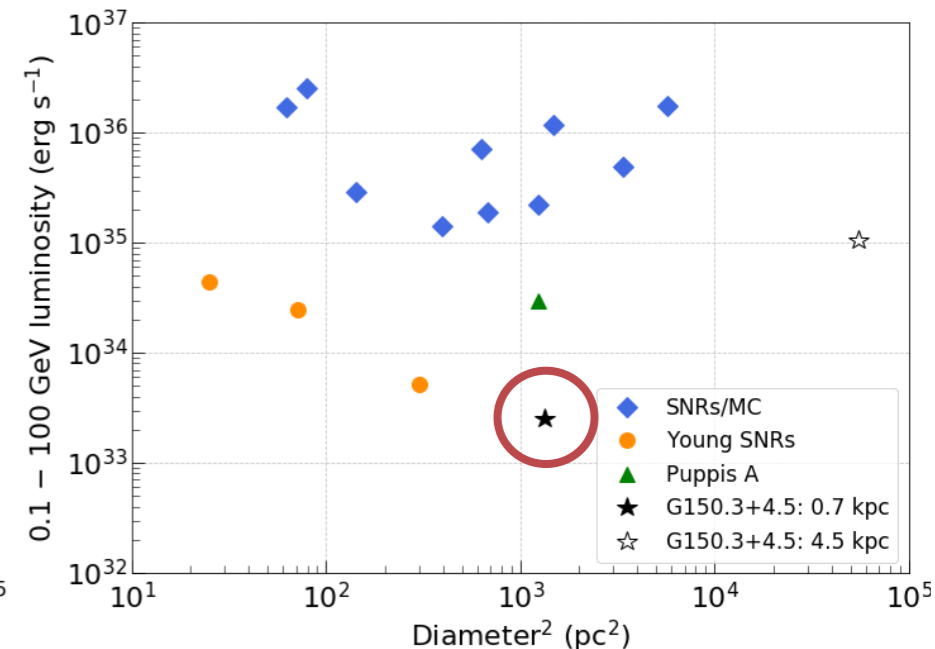
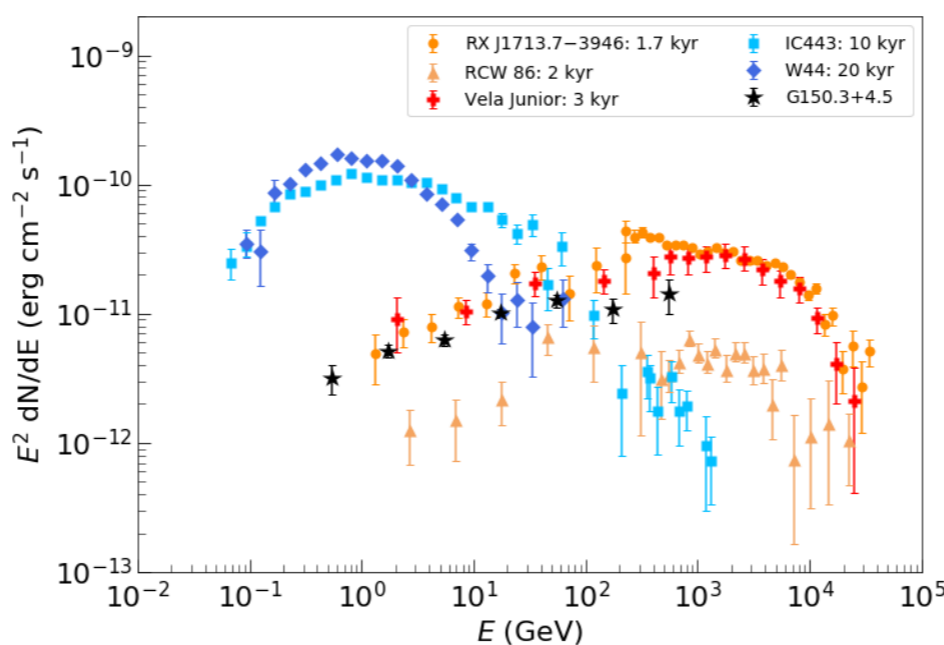
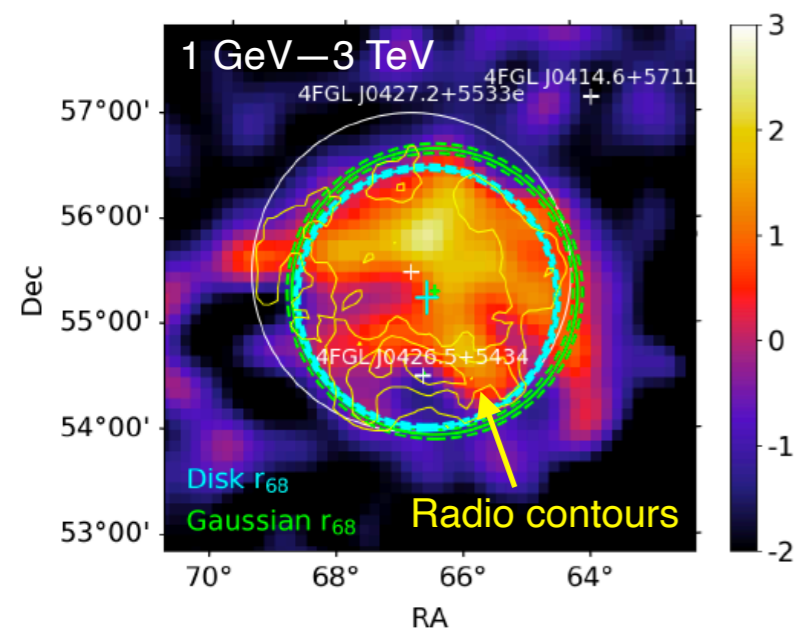
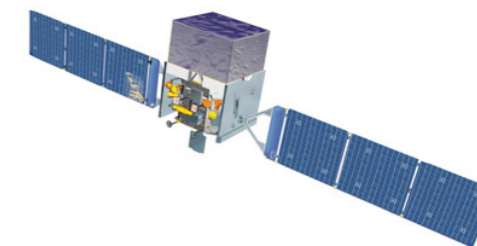
- **What is the contribution about?**

Spectro-morphological analysis of G150.3+4.5 with Fermi-LAT data

- **What is relevant/interesting?**

Studying gamma-ray emission from SNRs allow us to understand the nature of the accelerated particles and the maximum energy they can reach. G150.3+4.5 has an angular size of 3° : **old or a nearby SNR?**

- **What are the results?**



[Devin et al. 2020, A&A, 643, A28]

➔ G150.3+4.5 is spectrally similar to the dynamically young and shell-type SNRs and the near distance ($d < 4.5$ kpc) is favored

➔ Broadband nonthermal emission modeled with a leptonic scenario with $E_{\text{max}} > 5$ TeV

✓ Is G150.3+4.5 a new TeV SNR? VHE observations needed!