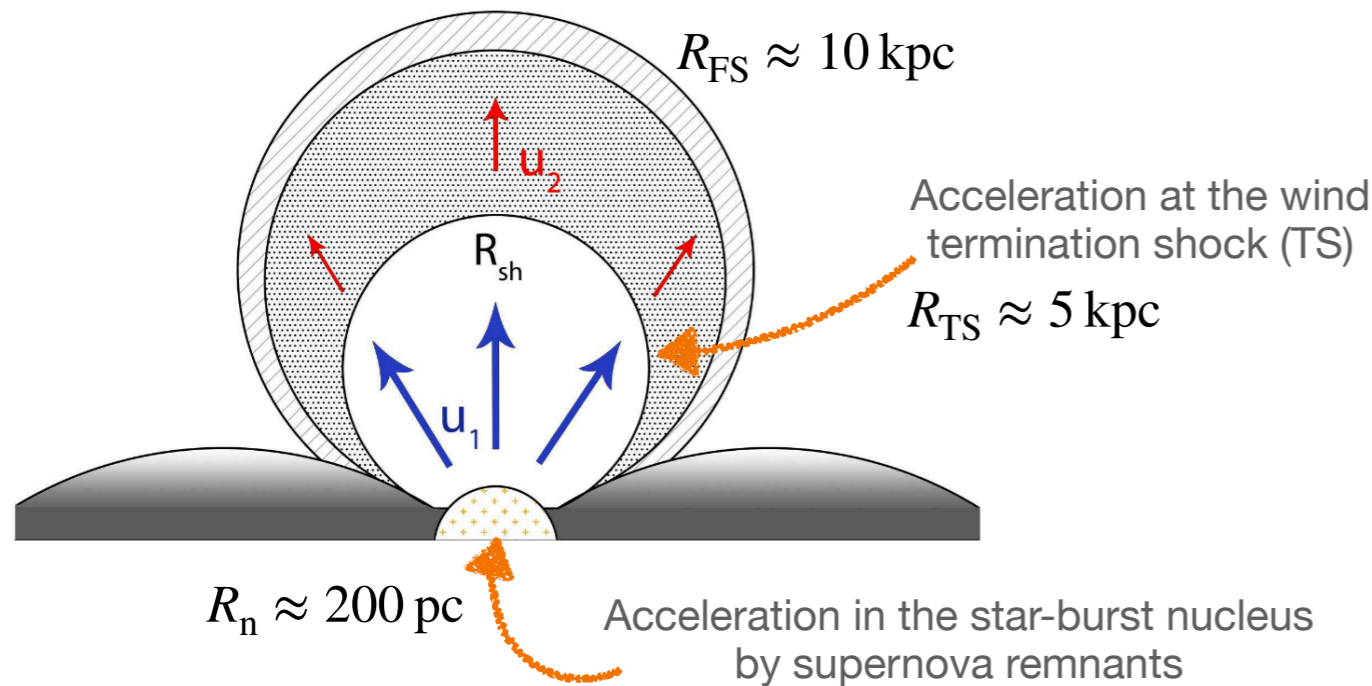


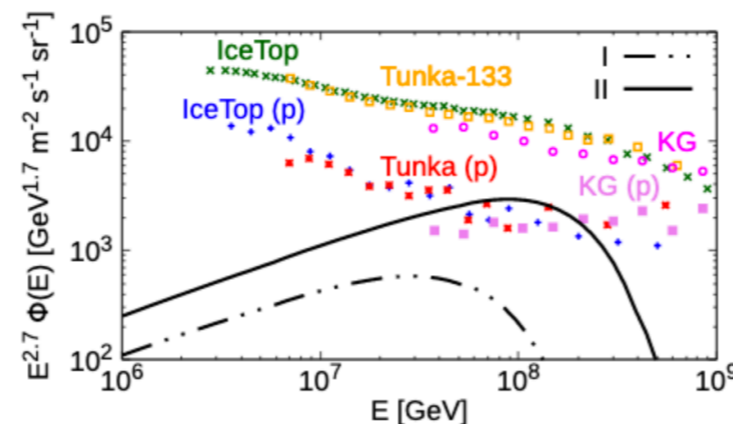
Multi-messenger emission from star-burst driven winds

M. Giovanni - Based on E. Peretti et al. (2021) arXiv:2104.10978



- Maximum energy at SNRs in the SBN ~ 1 PeV $\Rightarrow E_\nu \lesssim 50$ TeV
- Maximum energy at the TS $\in [20-200]$ PeV $\Rightarrow E_\nu \lesssim 10$ PeV
- Gamma-ray flux is dominated by the nucleus
- Gamma-ray flux from all SBGs accounts for $\lesssim 40\%$ of the diffuse emission detected by Fermi-LAT

- CR protons accelerate at the TS and propagating to the Earth are not in conflict with measured UHECR flux



- gammas from nucleus
- gammas from wind
- gammas total
- neutrinos from nucleus
- ▼ neutrinos from wind
- neutrinos total

