Gamma rays from Fast Black-Hole Winds: Executive Summary



- Model: hadronic emission resulting from diffusive shock acceleration.
- On average, the forward shock has traveled 20-300 pc away from the SMBH.
- The max energy of protons accelerated at the shock is ~10^17 eV, making AGN winds a potential source of CRs beyond the knee of the CR spectrum (3e15 eV) and also likely contributors to the EGB and IceCube neutrino flux.