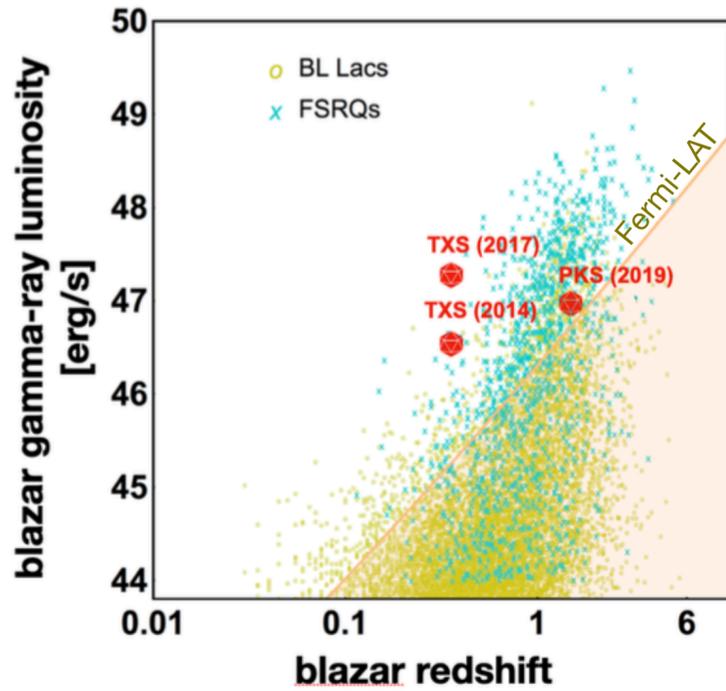
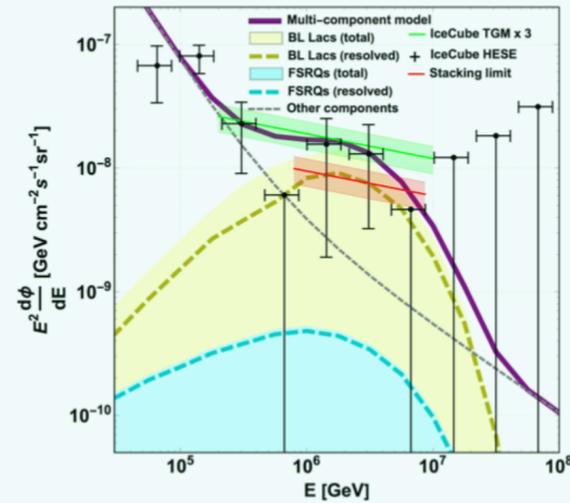


AGN as neutrino sources in the PeV and EeV regimes

Xavier Rodrigues

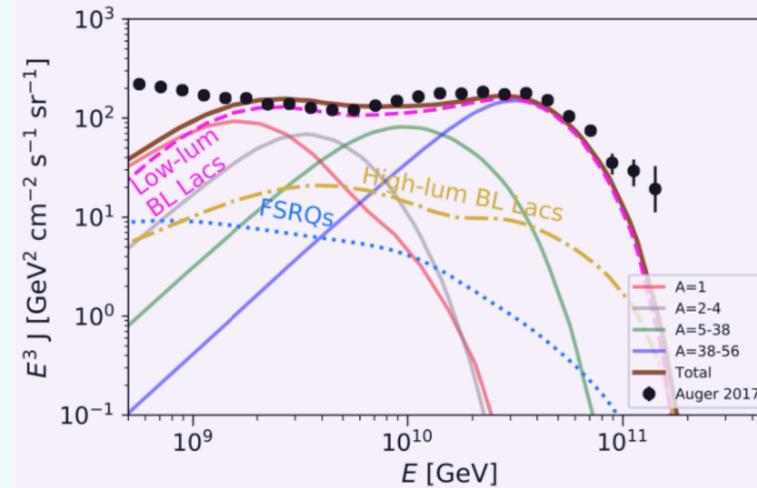


Scenario 1: AGN accelerate CRs up to max 10 PeV

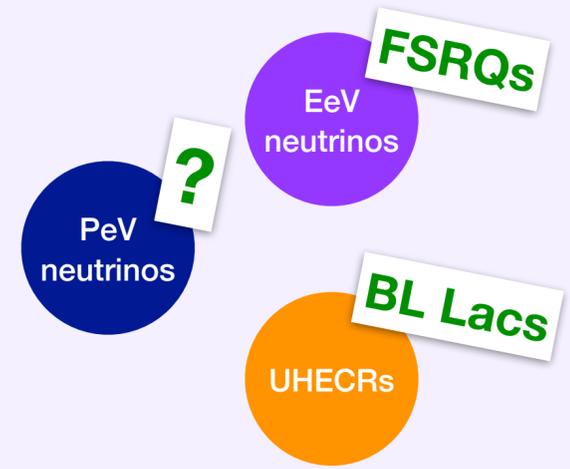
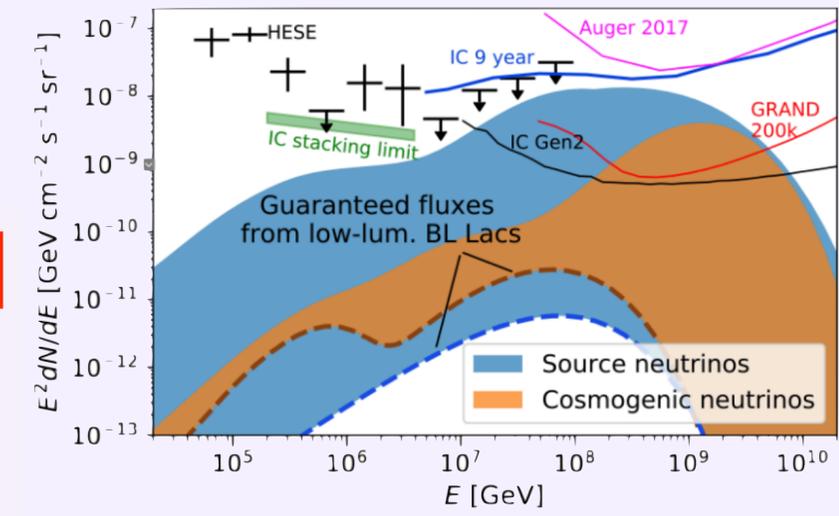


Palladino, XR, Gao & Winter, ApJ 871 (2019)

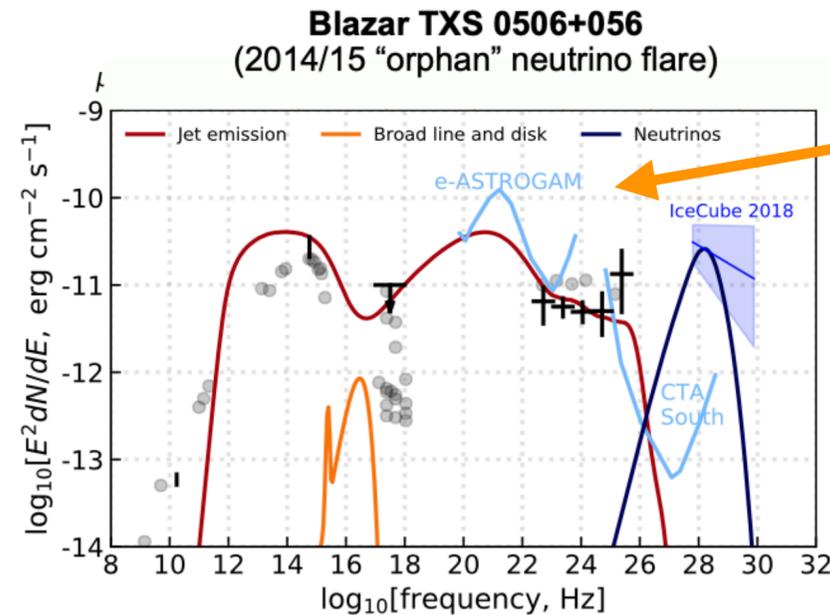
Scenario 2: AGN accelerate CRs up to ~EeV



XR, Heinze, Palladino, van Vliet, Winter, PRL 126 (2021)



Dedicated modelling shows us that each source is a source

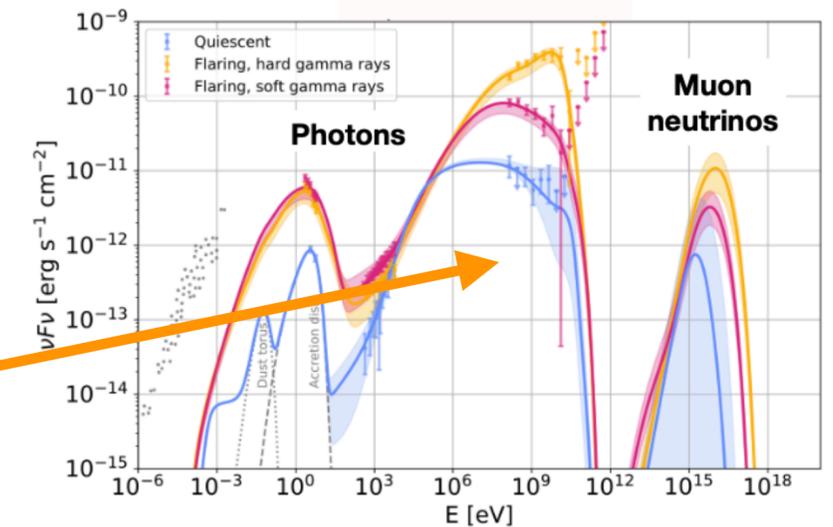


XR, Gao, Fedynitch, Palladino, Winter, ApJ L874 (2019)

Low gamma-ray fluxes; MeV bump

Gammas ~ neutrinos

Blazar PKS 1502+106
(coincident with event IC-170922)



XR, Garrappa, Gao, Paliya, Franckowiak & Winter, ApJ 912 (2021)