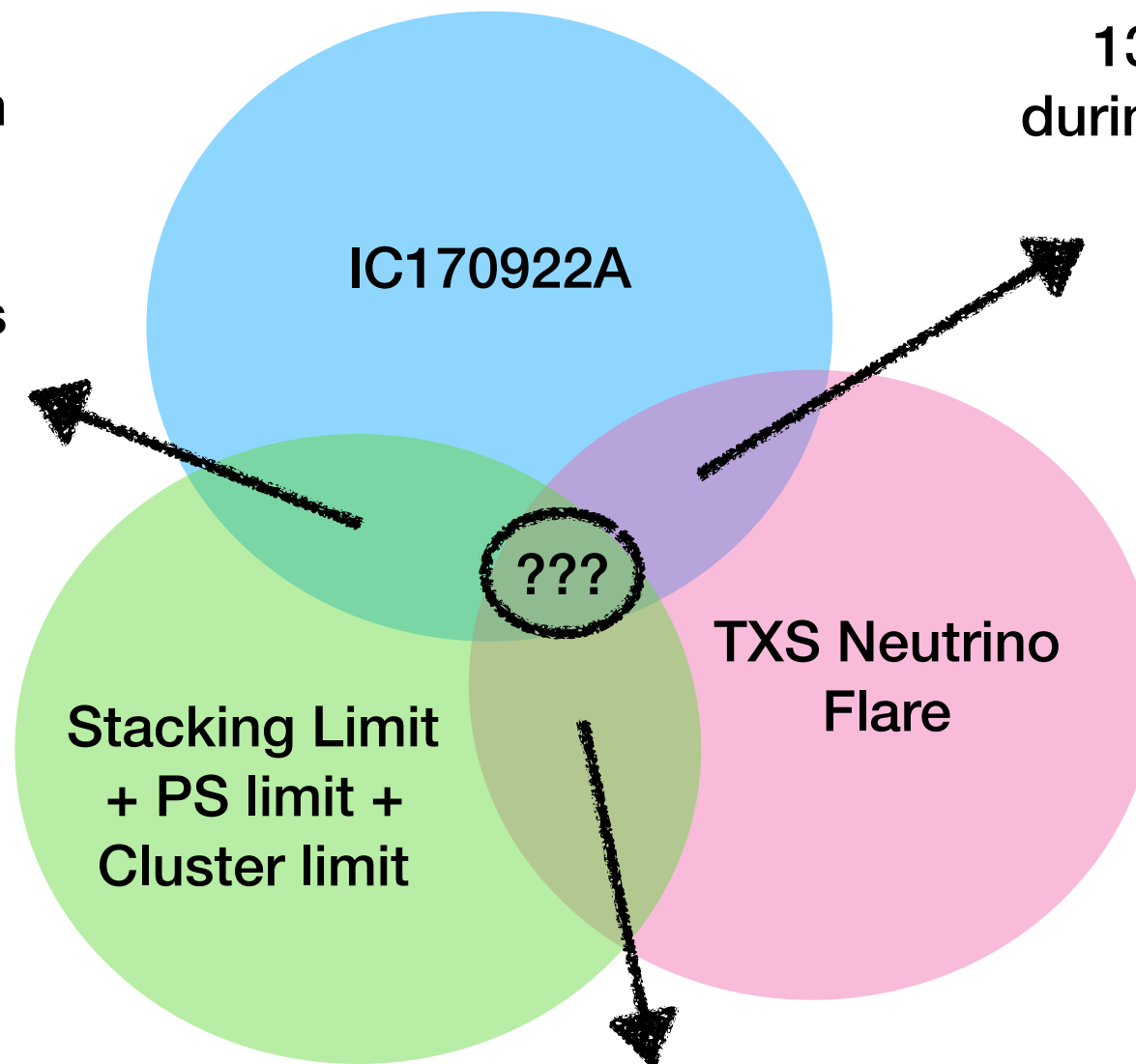


Emission with neutrino luminosity correlated to gamma-ray luminosity, but not for all blazars. TXS must not be unique, in order to reach expectation of one high-energy neutrino across population. TXS must thus belong to a subset of blazars.

Models can explain this.



TXS is a special source, capable of producing one high-energy neutrino during flaring flares and 13 lower-energy neutrinos during low state. It is thus likely to be unique.

No model for this yet.

Emission with neutrino luminosity not correlated to gamma-ray luminosity, but not for all blazars. TXS must be somewhat rare or unique, otherwise blazars would saturate neutrino flux. Any subset must be diffuse enough to not violate generic PS/cluster limits.

Fine-tuned model required.