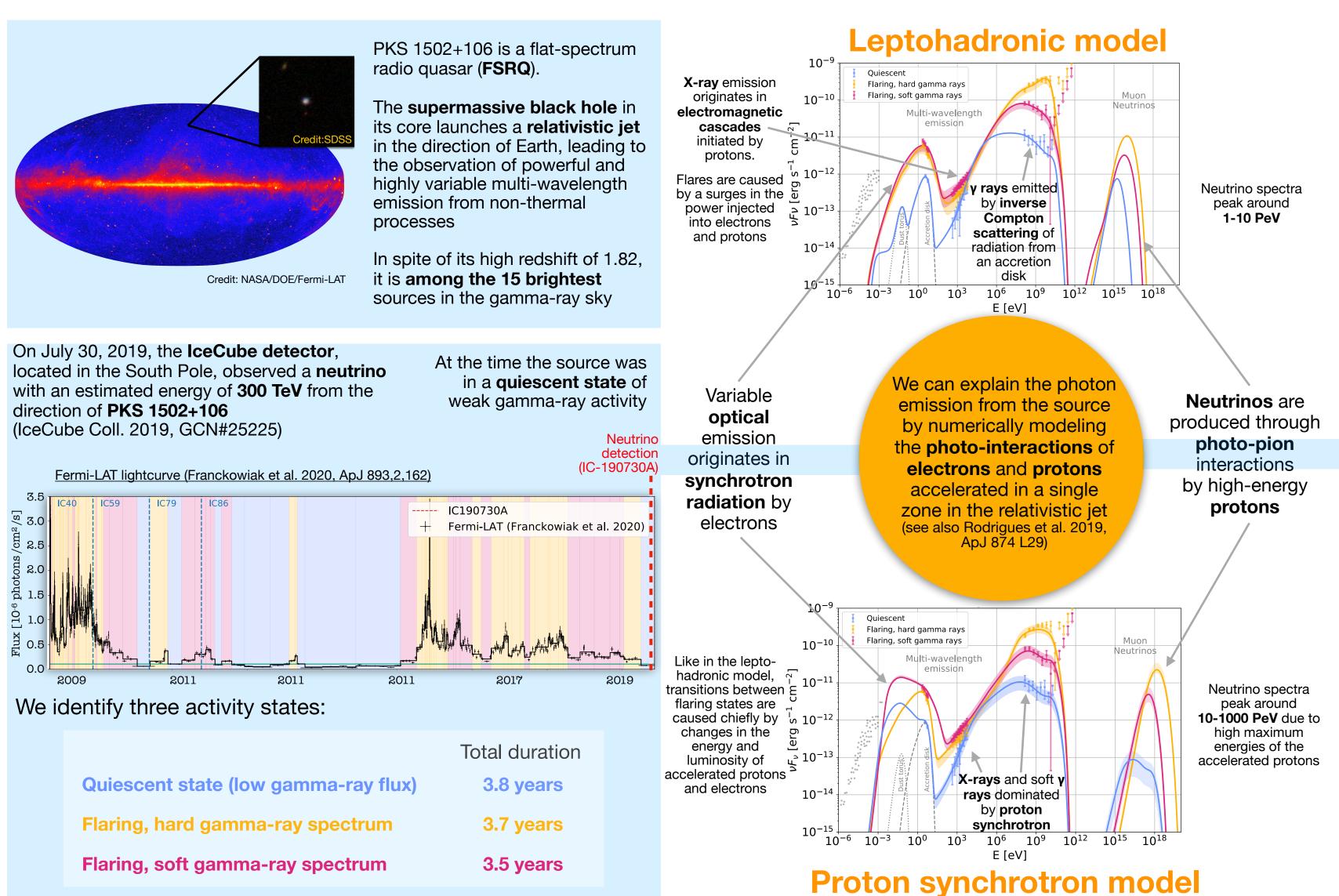
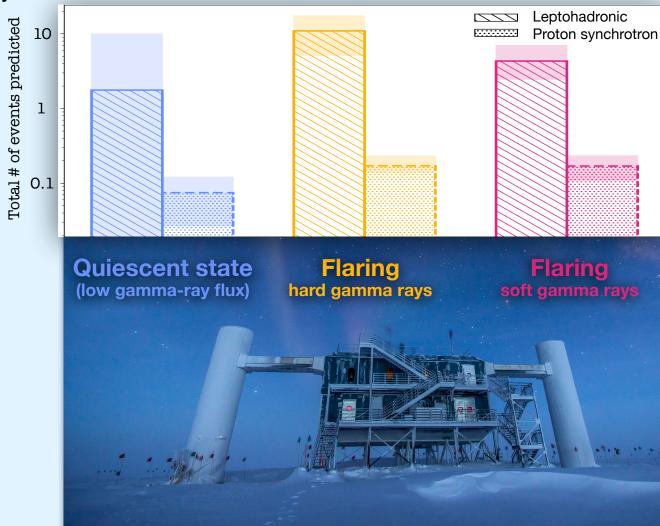
## PKS 1502+106 Multi-messenger modeling of a high-energy neutrino source candidate

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The models can be used to predict the expected number of neutrino events detected by IceCube from this source over the course of 11 years



In both models high-energy protons can help explain the multiwavelength emission from PKS 1502+106, leading to the coproduction of high-energy neutrinos.

While neither model favours the emission of neutrinos during the quiescent state, they both support the hadronic nature of the emission of PKS 1502+106 and its potential as a neutrino source.

The results suggest that with increasing statistics of observed neutrinos, more correlations should be expected with sources of this kind.

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