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【382】Time-dependent studies with IceCube

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After having observed the first diffuse astrophysical neutrino flux, IceCube has entered a new fascinating phase as it recently saw the first evidence of a point source responsible for a neutrino emission.
It is now crucial to set in place analyses that are able to search for time correlation between flaring objects emitting gamma-rays such as AGNs and neutrino emission and that could be run almost online. Those searches can be either triggered by real observations of an increase in gamma-ray intensity reported by other experiments or can consist in looking for a clustering of neutrinos in time scanning the whole sky. We will present those analyses as well as a framework for monthly monitoring of interesting gamma-ray sources.

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