

IceCube realtime alerts: science and infrastructure

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In recent years, the IceCube realtime program has been publishing alerts following the detection of neutrinos with moderate-to-high probability of being astrophysical. Such alerts are distributed through the NASA General Coordinates Network in two steps: a prompt notice with preliminary details, followed by a circular containing detailed reconstruction information. In this contribution, I will give an overview of the IceCube realtime activities, focused on the IceCube realtime alert selection criteria and on the ongoing efforts to improve the neutrino directional reconstruction. Finally, I will discuss existing and prospective synergies between the IceCube realtime program and the Astro-COLIBRI platform.

Orateur: LINCETTO, Massimiliano (RUB)

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