

# Analysis framework for Multi-messenger Astronomy with IceCube

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Executive summary: A new analysis software called i3mla(IceCube Maximum Likelihood Analysis) had been developed. The software is aimed to tackle the difficulties encountered when performing joint-fit with IceCube and other instruments. The software is compatible with the Multi-Mission Maximum Likelihood framework (3ML). Here we show preliminary result for Joint-fit with HAWC and IceCube data.