

MM-ESCAPE project and MoUs

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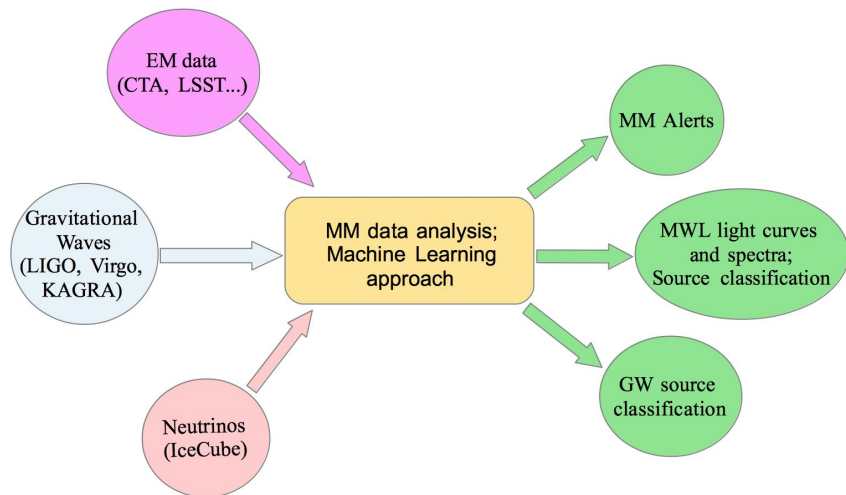
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Real time multi-messenger (MM) analysis



- For GWs: [Wavefier](#)
- MM analysis: extension of [Wavefier](#) to other messengers (photons, neutrinos)
- A large set of data (both simulated and real) is needed for testing purpose
- MM simulator ready:
 - GWs from LIGO, Virgo, KAGRA
 - EM data from Fermi-LAT
 - High level EM data from CTA
- What's missing:
 - Raw (low level) CTA data
 - Neutrino data (Km3Net)

**Memoranda of Understanding are needed to access
neutrino data and raw CTA data**

MoU to access raw (DL0) CTA data

Besides the Wavefier - MM project, there are other ESCAPE test cases that require access to raw CTA data:

- *GammaLearn*
- *Data Lake tests*

A document has been set-up by Thomas Vuillaume to collect the relevant informations from all the test cases: “**CTA data ACCESS for ESCAPE TEST CASES**”.

What's next:

- We should define if a single reference dataset is enough, or if different datasets are needed for the different test cases
- The document should be finalized
- The associated MoU should be prepared and shared with the relevant CTA people

MoU to access neutrino data (Km3Net)

- Are there other projects that could be interested in neutrino data? If yes, should we prepare a common document/MoU as for CTA?
- For the Wavefier-MM project, the details of the dataset have not been defined yet; Jutta Schnabel will help us for the technical aspects
- We need to verify which are the reference persons in Km3Net to be contacted for the MoU (Jutta)

General

Should we use a common, standard template for all the ESCAPE-MoUs?