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Real time Multi Messenger Analysis and Machine Learning in ESCAPE framework

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Multi-messenger astronomy (MMA) opens new scenarios for the observation of the universe, new perspectives for investigations, but also new challenges for the way of extracting every information that these astrophysical events bring with them. The synergy between the information that only gravitational waves can provide and the concomitant observations through other detectors of the electromagnetic part or neutrinos can exponentially accelerate our knowledge of the universe.

It is clear that the multi-messenger astronomy opens up the needs of new paradigms for data analysis and new challenges for real-time analysis.

ESCAPE Test science case for MMA represents a transversal project crossing all the ESF/RI involved in the project as well as all the activities in the ESCAPE WPs

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Classification de Session: ESCAPE Test Science Projects