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Astro-COLIBRI: The coincidence library for real-time inquiry for multi-messenger astrophysics

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Astro-COLIBRI is a novel tool that evaluates alerts of transient observations in real time, filters them by user-specified criteria, and puts them into their multiwavelength and multimessenger context. Astro-COLIBRI is a fast and easily readable software that contributes to an enhanced discovery potential of both serendipitous and follow-up observations of the transient sky.

In this talk, the key features of Astro-COLIBRI are presented. We'll outline the architecture and present the version 2.0 of the web front end. The platform being live, some use cases will also be presented showing the search for high-energy gamma-ray counterparts to high-energy neutrinos, gamma-ray bursts and gravitational waves. Astro COLIBRI is available on IOS and Android.

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