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What slow down cosmic ray analysis and what can we do about them?

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Cosmic ray analysis relies on multiple steps including calibration, simulation, event reconstruction and interpretation, etc. Because of their broad energy coverage and sophisticated analysis and simulation techniques, large cosmic ray projects often suffer from their science analysis falling behind data collection. This challenge may be more severe in next generation multi-messenger astroparticle physics projects in which more hybrid detection techniques will be used. This presentation will list a few key "nodes" that often slows down the analysis and excite a roundtable discussion to see how we can mitigate the challenge by harnessing Big Data revolution.

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