Contribution ID: **55** Type: **not specified**

High-performance end-user analysis code; an example

Thursday 3 April 2025 16:00 (20 minutes)

With an increasing focus on green computing, and with the high luminosity LHC fast approaching, we need every bit of extra throughput that we can get. In this talk, I'll be exploring my old ATLAS analysis code, as an example of how improvements to end-user code can significantly better performance. Not only does this result in a more efficient utilisation of the available resources, it also decreases processing time, leading to a better end-user experience.
I will be showing the modular set-up of the program, the freely extendable messaging system between the modules, the run-time configuration through a text-file, and its zero-copy variable implementation.

Desired slot length

20

Speaker release

Yes

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Session Classification: Miscellaneous

Track Classification: Miscellaneous