



Contribution ID: 32

Type: Open talk - 30min

# Using Symbolic Regression in Julia to find analytic functions to model low statistics

*Wednesday 8 November 2023 10:00 (15 minutes)*

In High Energy Physics (HEP) analyses, low statistics often pose a challenge because a significant portion of events are discarded to define a region of interest. This can compromise the reliability of asymptotic limits in the CLs method. To address this, we employed Symbolic Regression in Julia to derive an analytical fit functions to accurately model our signal and background samples.

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