

waluigi - Beyond luigi

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Workflows for research in HEP experiments are not only quite complex but also require sufficient flexibility to adapt to changes in structuring, conditions, methodologies, and research interests. This holds especially true in the physics analyses extracting the results and measurements.

Here, the use of workflows systems, specifically Luigi, have shown to be of great use to manage and organize the intricate dependencies of large task graphs that describe such analyses.

Still, with intensive use comes the insight of where limitations lie. Now, as adoption and use of such software is rising, is good point to start thinking about how to improve upon it.

I present a list of grievances and an idea to to address them, both of them to be discussed and iterated upon. While the "issues" are specific to the principles within Luigi, the current idea implies the need for a new software package: waluigi - Why Another LUIGI

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