

We should be able to choose a suite of applications in each tier and from those construct an end-to-end analysis example using modern technologies.

It is clear from this representation that differentiable analysis at scale is not yet possible but also not that far away with focused effort on the right aspects.

Here the importance and relative lacking of a consistent, scalable treatment of systematic errors is underlined (though there are some good indications of direction).

big arrows -> User interfaces present software libraries which are scaled out with software infrastructure that is run on hardware infrastructure.

arrows on the side -> directions of increasing abstraction

dotted lines - diagnostics

More or less this is the "dual" to the diagram with the use cases.

Circle leaves of each tree until you have a functioning analysis system and facility to run the system. If you cannot construct something end-to-end, then you know where you need to work.

summaries / physics observables

data flow

full event-wise data

