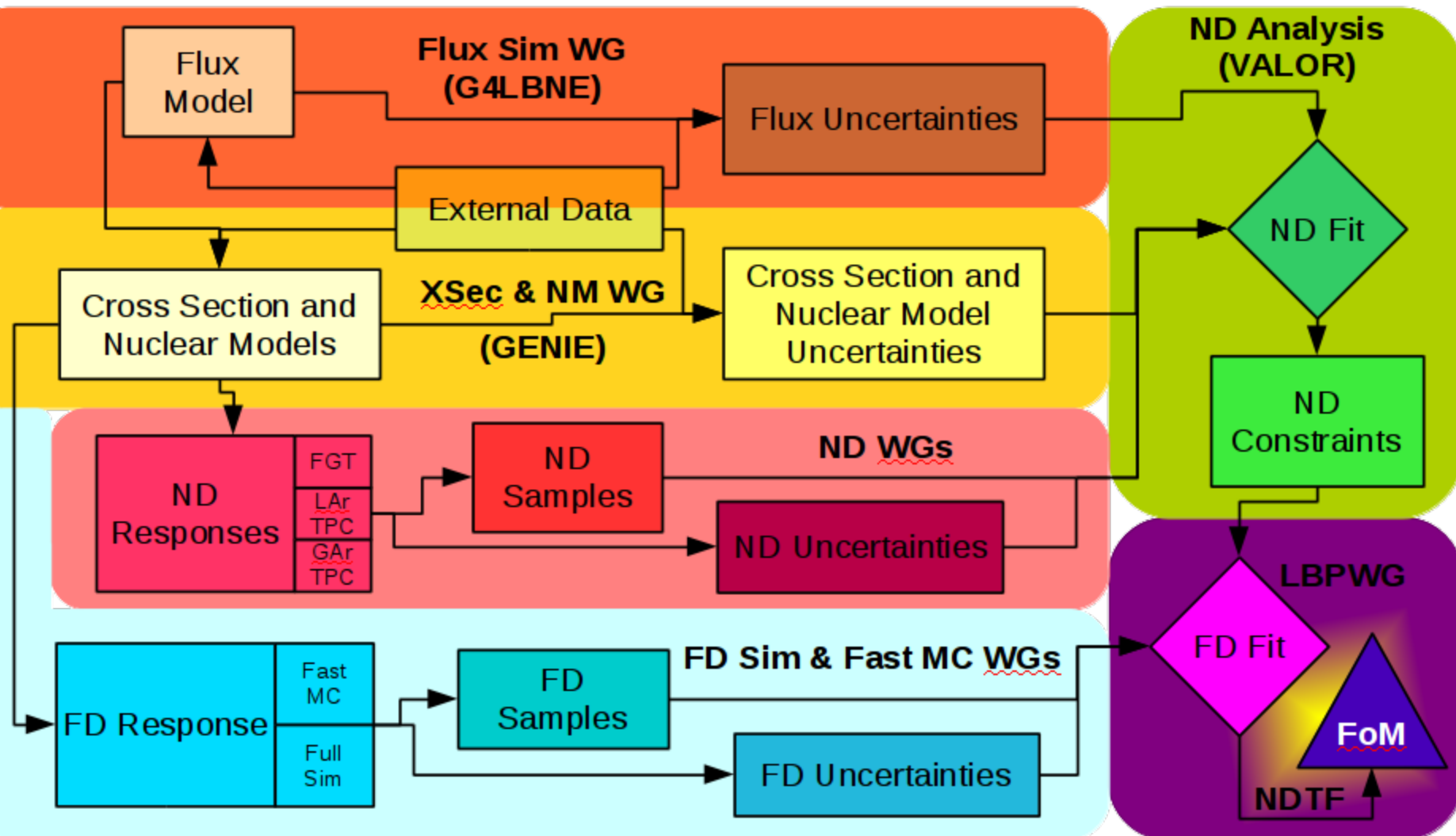


# Near Detector Optimization Task Force: Getting the Machinery in Place

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# Simulation and Analysis Path



## Short Term Goal

- **Short Term Goal: Conduct a complete run through of the entire machinery as soon as possible**
  - Stripped down and corners cut
  - Discover processing issues as soon as possible
  - Give the wider collaboration a better sense early on for how this will all work
- Therefore, over the next few weeks we'll review each link in the chain of processing
- This week:
  - **Laura** - Beam simulation
  - **Brian** - A wrapper to ensure common input to the detector simulations
  - **Robert** - Mechanics of running GENIE

# Focus

- Focus on machinery and interfaces
- Three Questions
  - What is in place now?
  - What need to be in place for a first run through of the machinery?
  - What could/should be put in place in the next 12 months?

## The Rest of the Links in the Chain

- Over the next couple of weeks we'll run through the rest of the links in the chain with the same focus on machinery, interfaces, and readiness for a complete run through of the chain as soon as possible.
- Next week: VALOR
- Week after: The 3 ND Simulations
- Soon after that: The FD simulation and FD fit