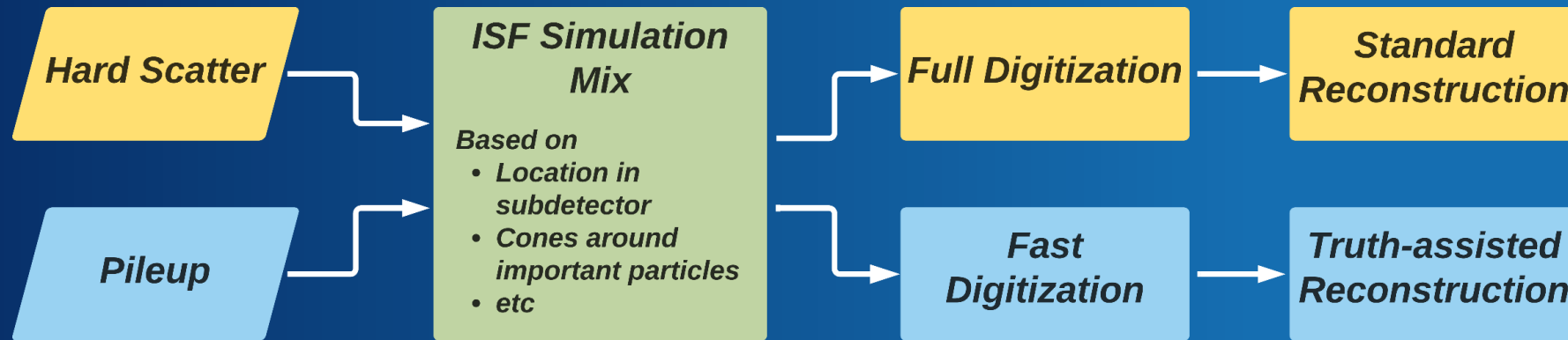


# THE FAST SIMULATION CHAIN FOR ATLAS



- **Huge** number of Monte Carlo simulated events needed by ATLAS over the next several years → very fast simulation is **critical**.
- **The Fast Chain:** modules for fast simulation, fast digitization, and fast track reconstruction.
- **Several orders of magnitude** faster than the standard simulation.
- Extremely **modular** and **flexible**, samples can be tailored to match the needs of an analysis.