40 MHz bunch crossing rate

L0 Hardware Trigger: 1 MHz readout, high \( E_T/P_T \) signatures

- 450 kHz \( h^\pm \)
- 400 kHz \( \mu/\mu \)
- 150 kHz \( e/\gamma \)

Defer 20% to disk

Software High Level Trigger
- 29000 Logical CPU cores
- Offline reconstruction tuned to trigger time constraints
- Mixture of exclusive and inclusive selection algorithms

5 kHz Rate to storage