



# Integration

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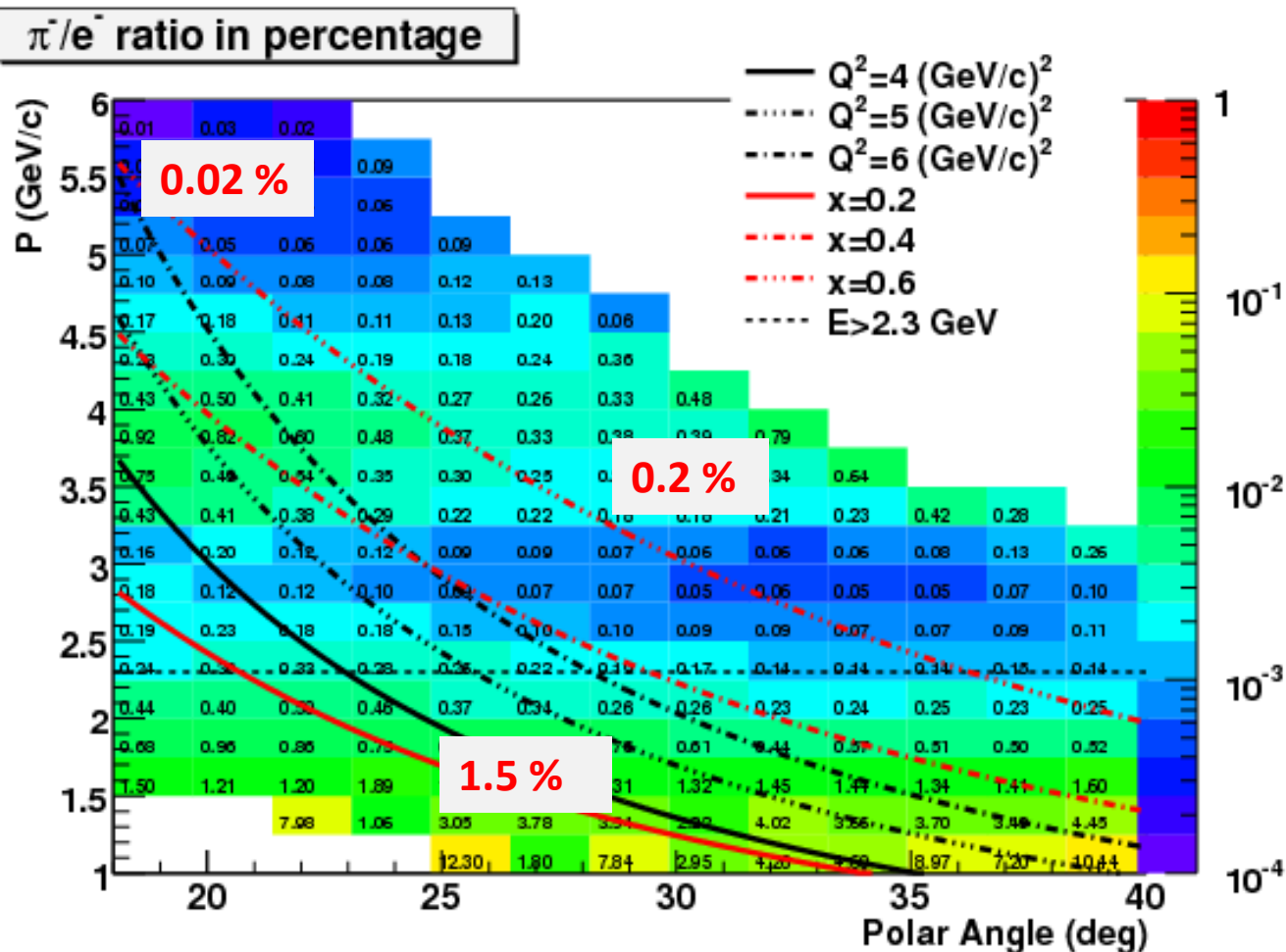
*Attempted Definition :*

- Combine (integrate) detectors to verify the apparatus meets all physics needs (e.g. PID)
- System-wide issues ( e.g. subsystem integration, switchover between experiments )
- Calibrations & Commissioning Plans

# Example: Combined pi/e ratio from Cerenkov & Calorimeter for PVDIS as function of polar angle and momentum

Section 19.1 Solid Tech (Mar 20, 2013)

Goal: error in pion contamination  $< 10^{-3}$



Work done by

- Xin Qian
- Mike Paolone
- Jin Huang

# Some Issues

- Need a model for the trigger / DAQ
- Several ways to measure deadtime
- Rate dependence of pion rejection & pileup effects
- Radiation & power from beam
- Calibrations -- see Rich's talk (next) and Xin's talk from Dec 14  
Sect. 19, SoLID Tech
- That's it for now