



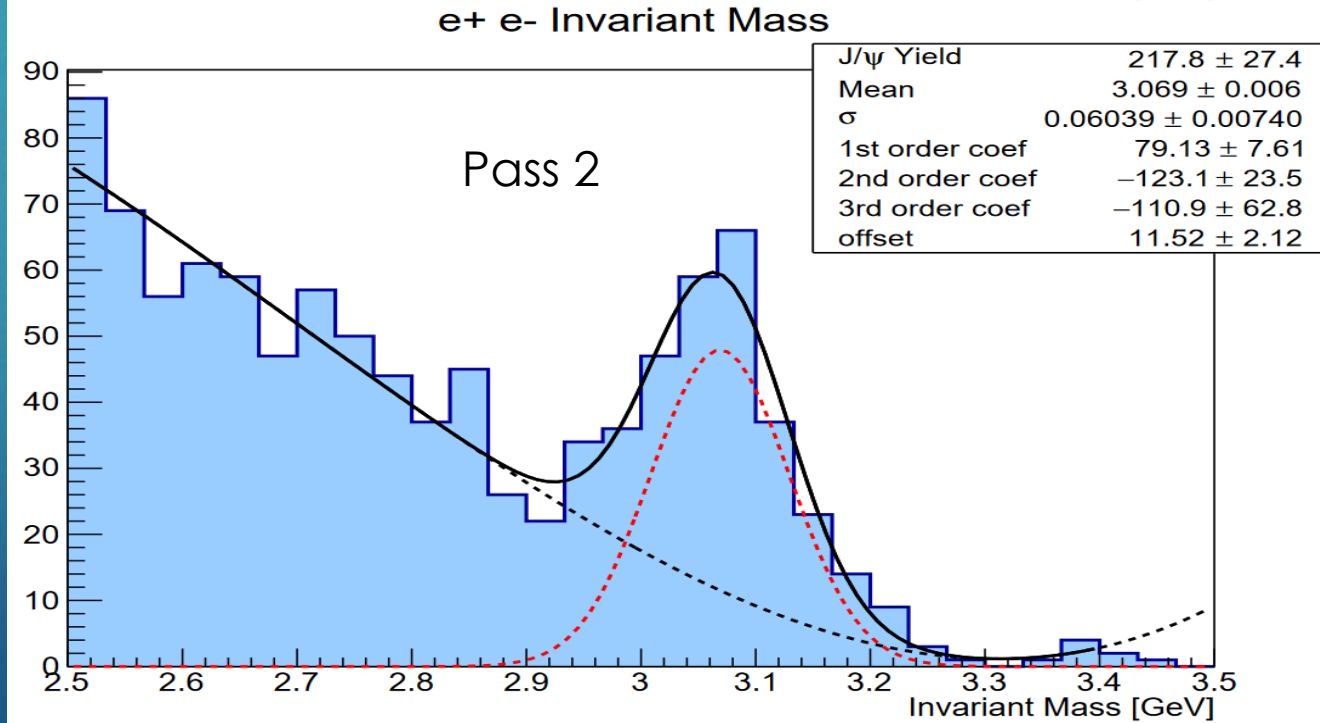
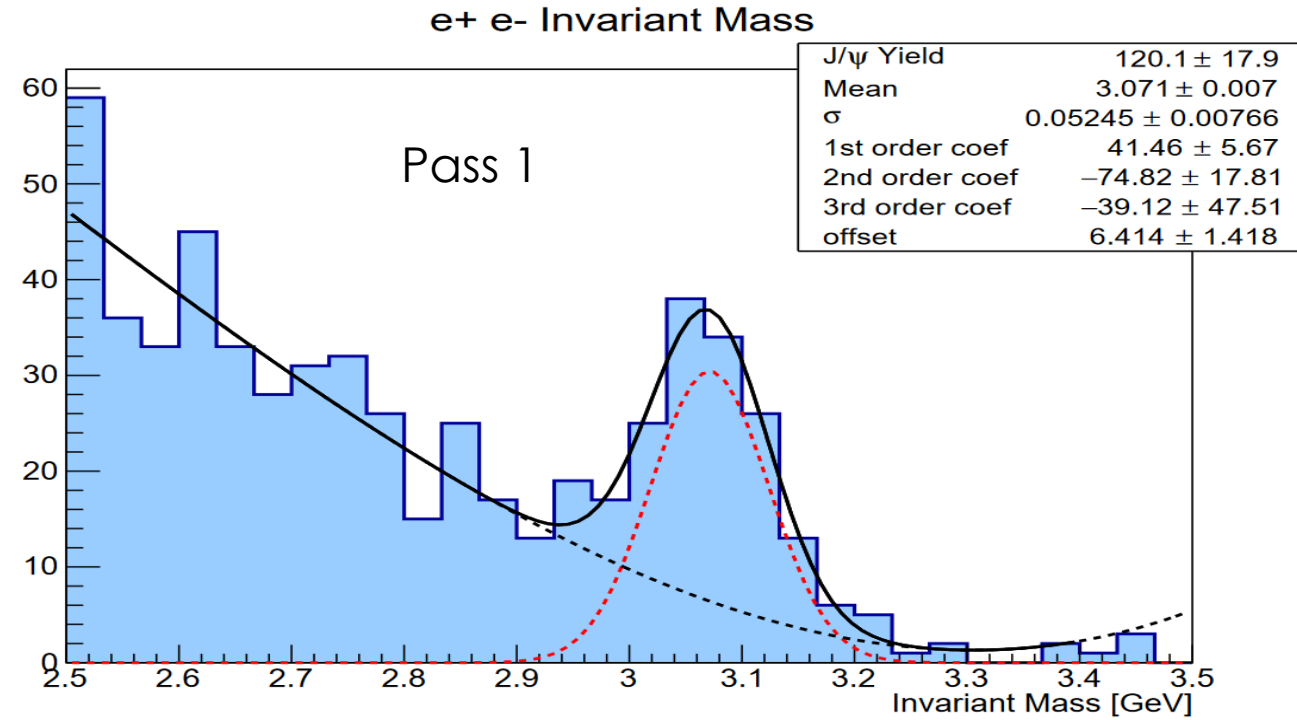
Pass2 Improvements (RGB spring2019)

RICHARD TYSON

Pass1/Pass2

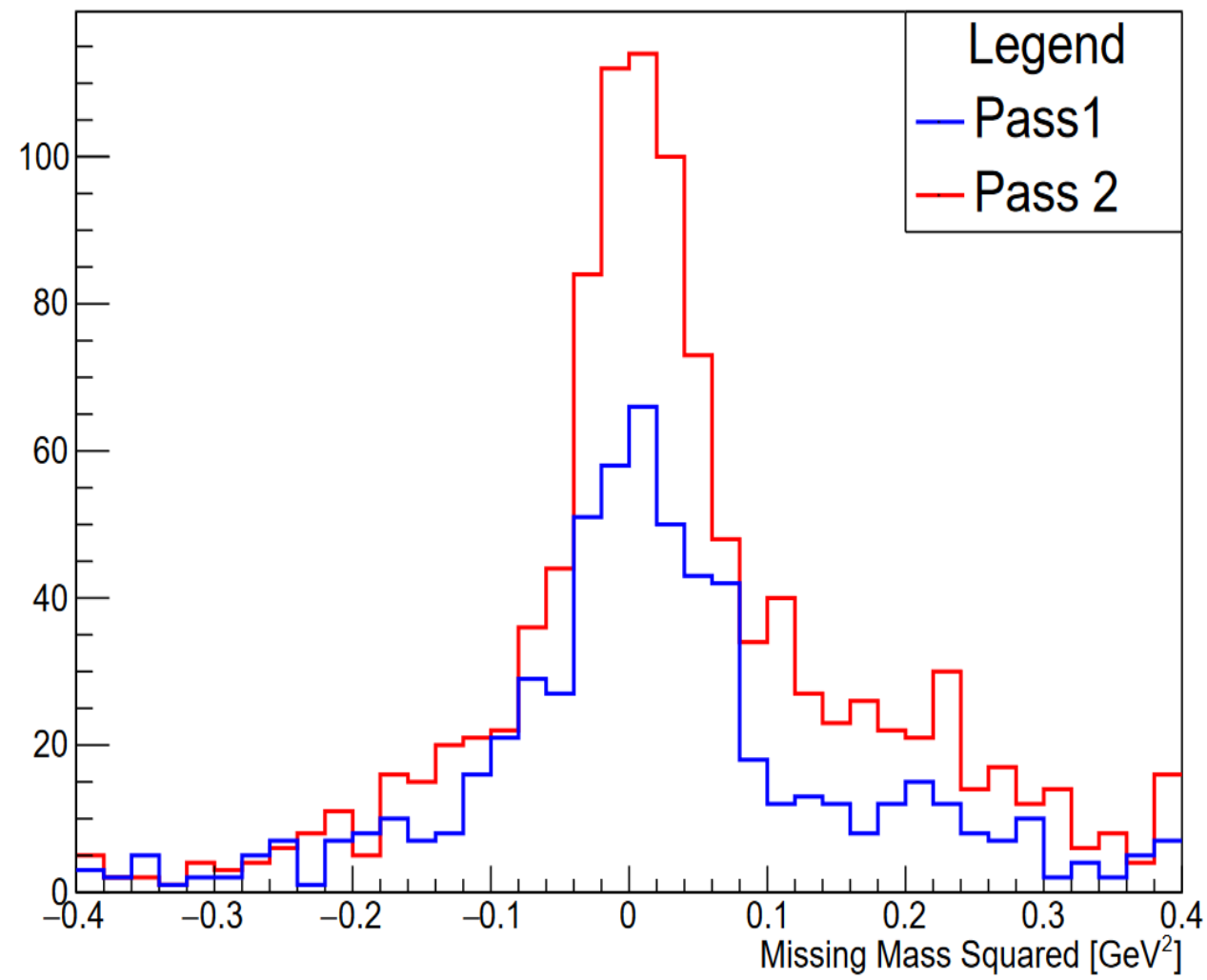
$(ep_{bound} \rightarrow (e')e^+e^-p)$

- ▶ Used about ~60% of RG-B spring2019 (runs 6156-6429 out of 6603).
- ▶ e^- : FD, EB PID, e^+ : FD, EB PID & ML ID, p : FD, EB PID.
- ▶ $Q^2 < 0.2 \text{ GeV}^2$, $|MM^2| < 0.3 \text{ GeV}^2$

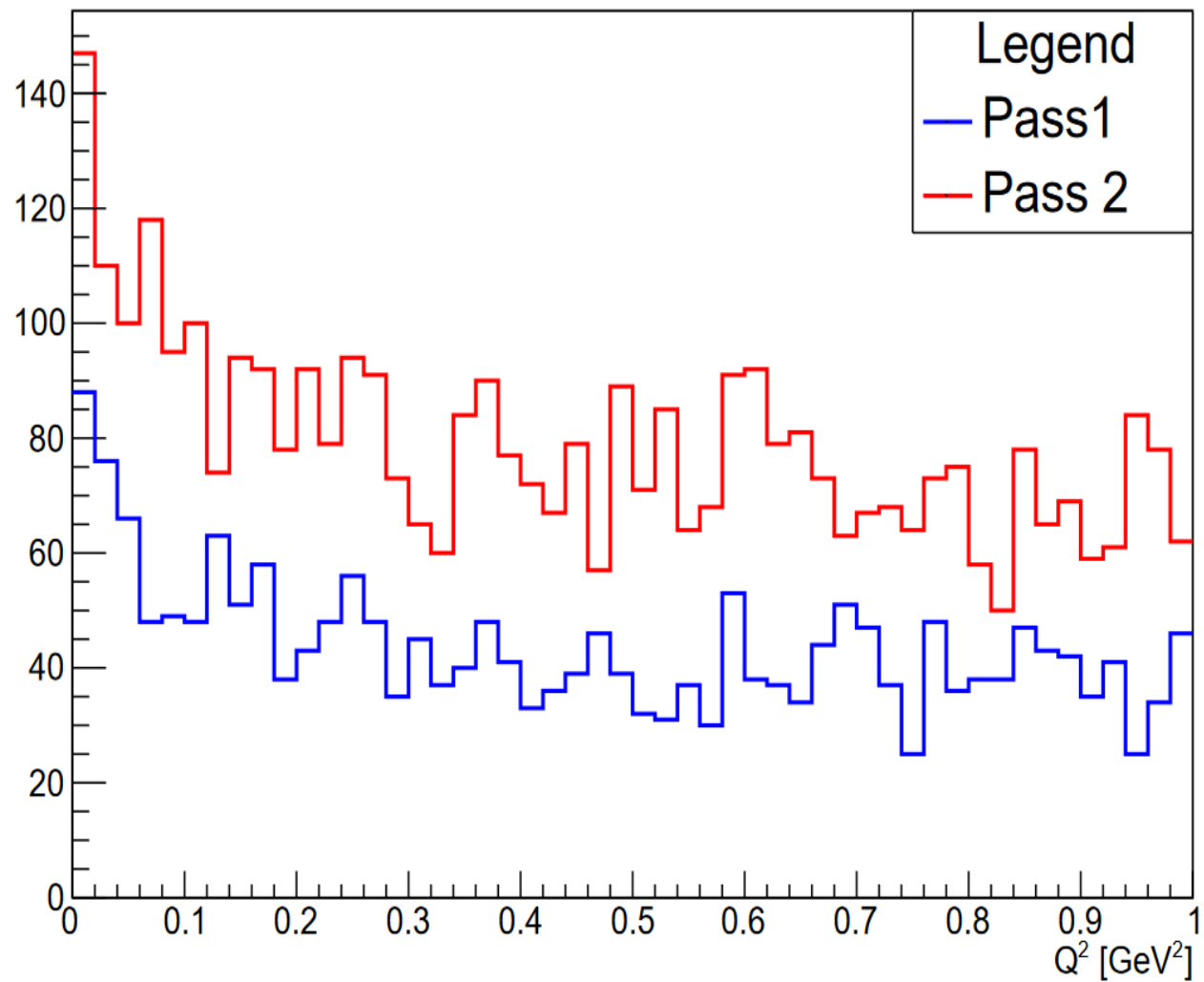


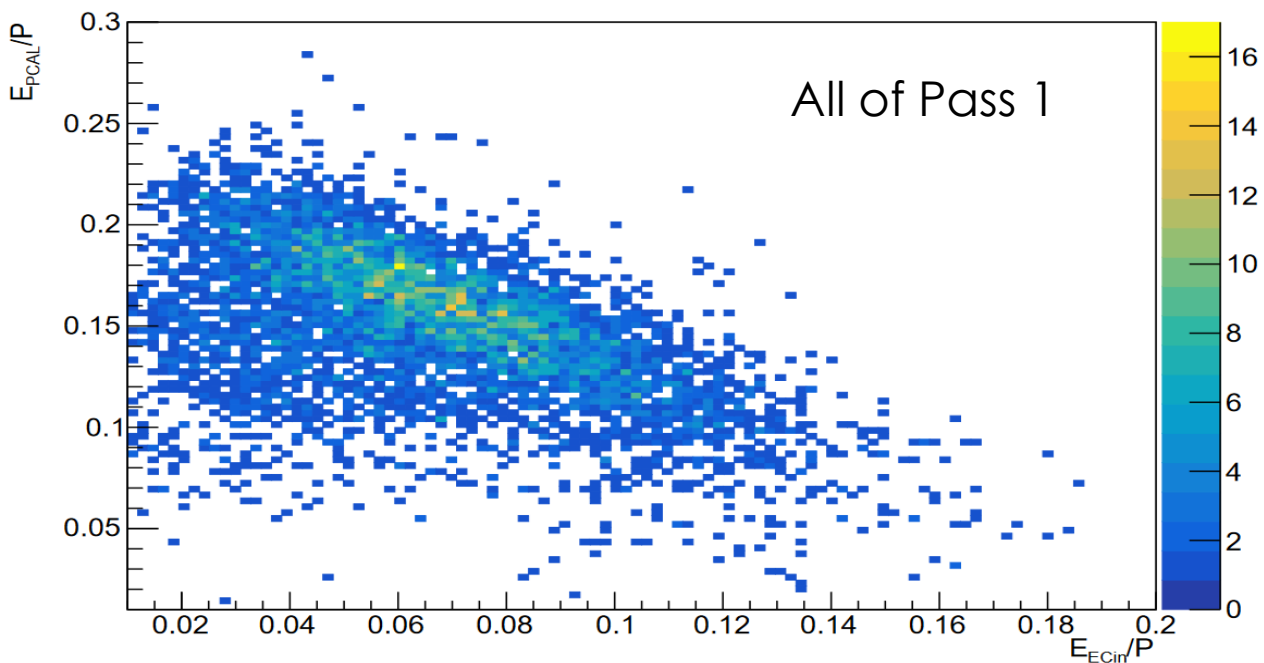
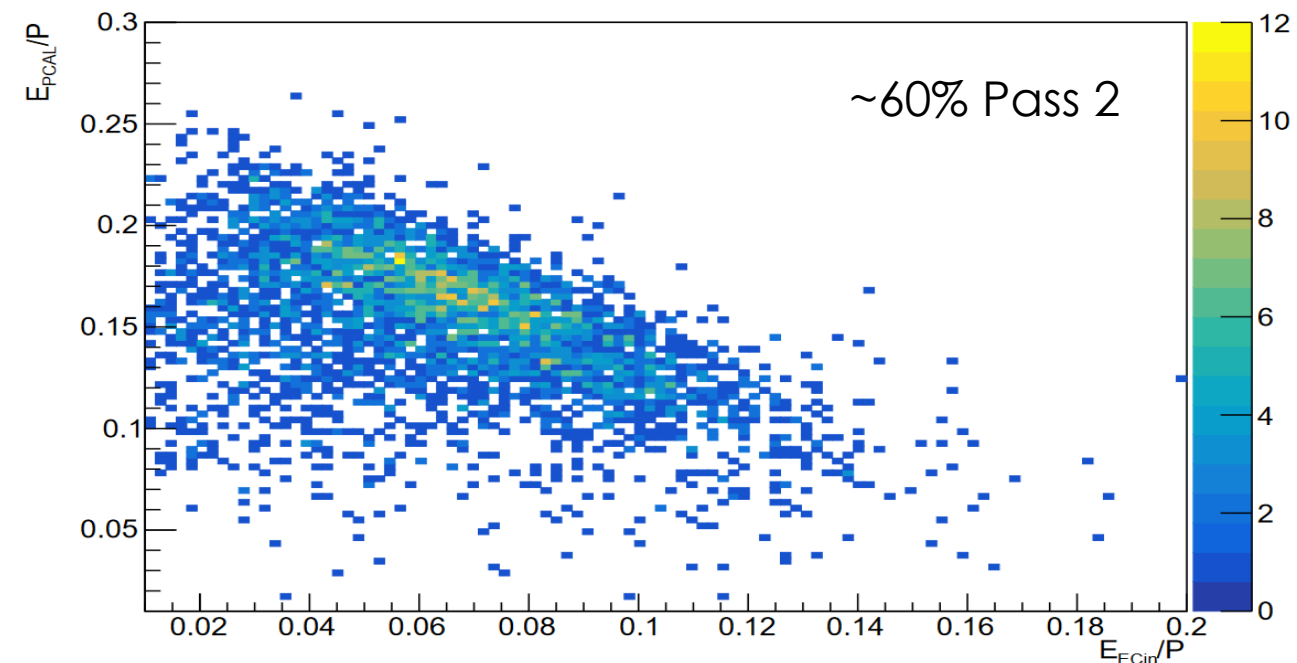
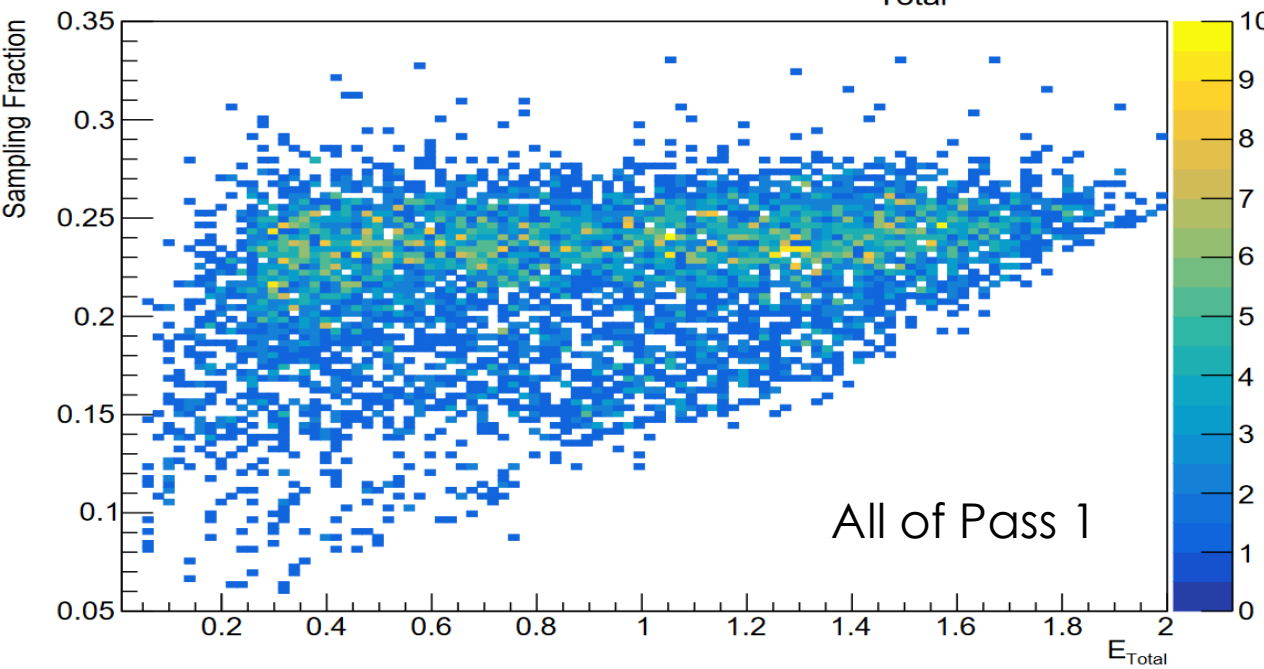
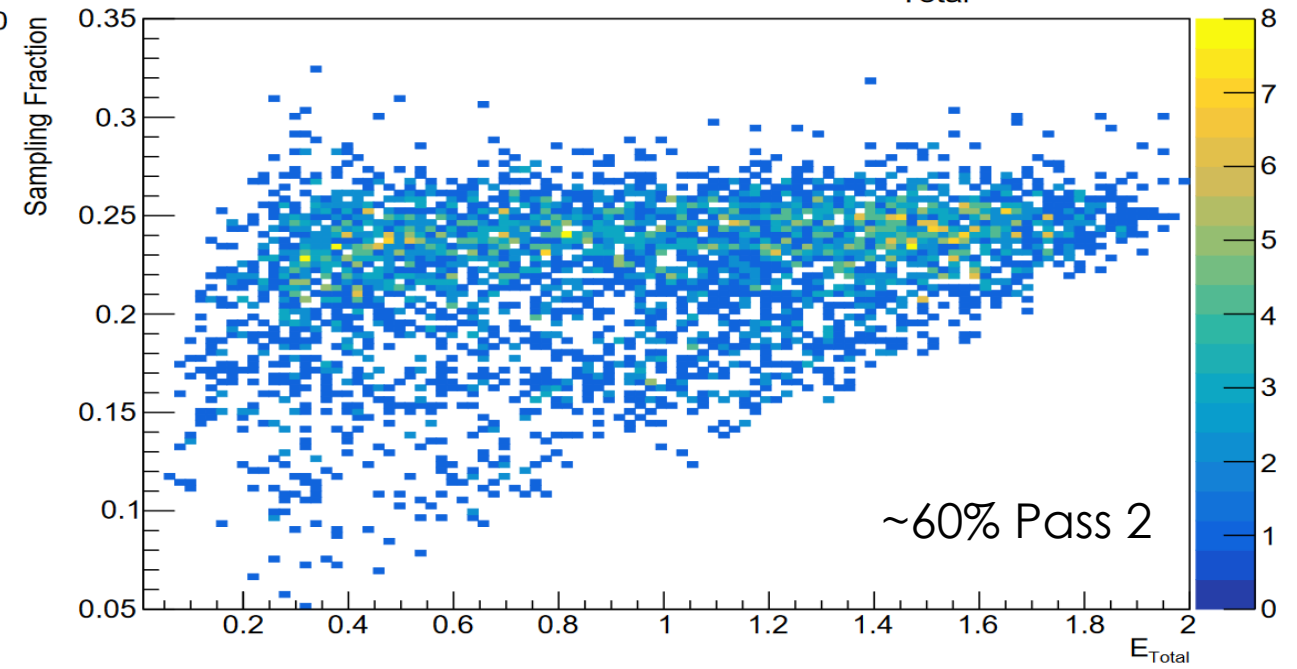
MM^2 & Q^2

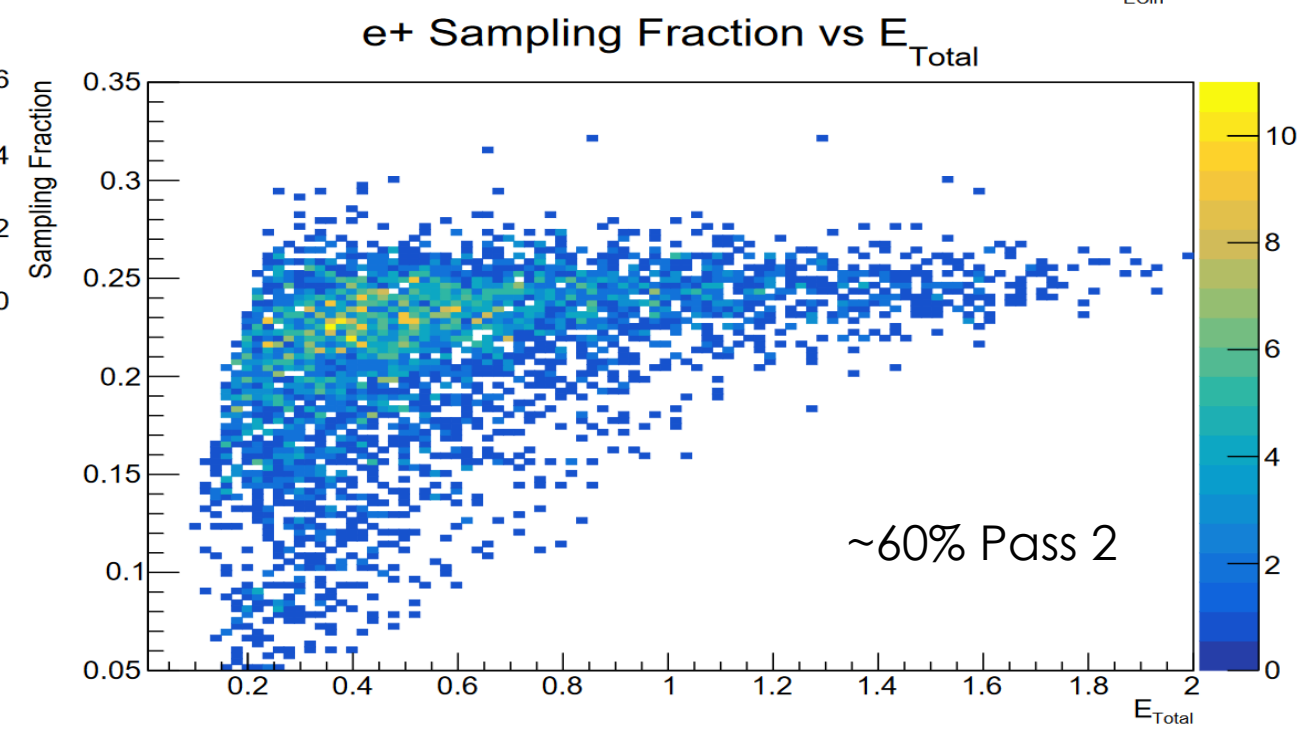
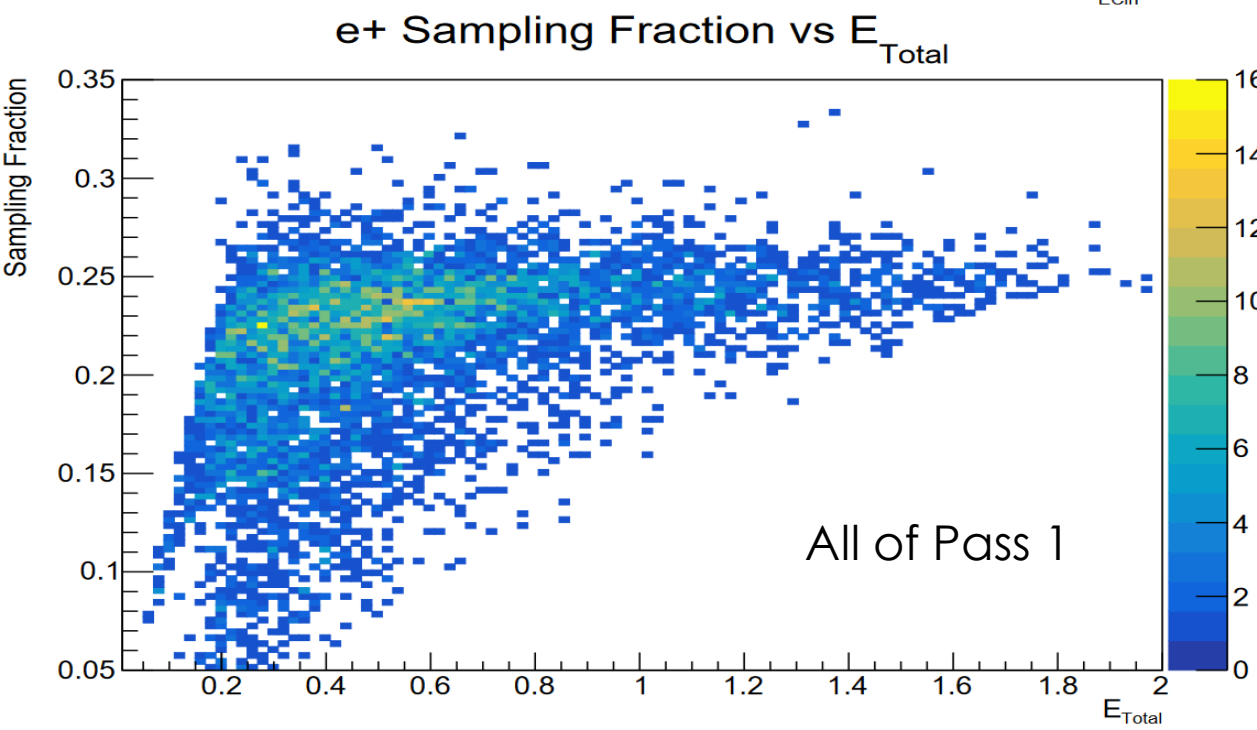
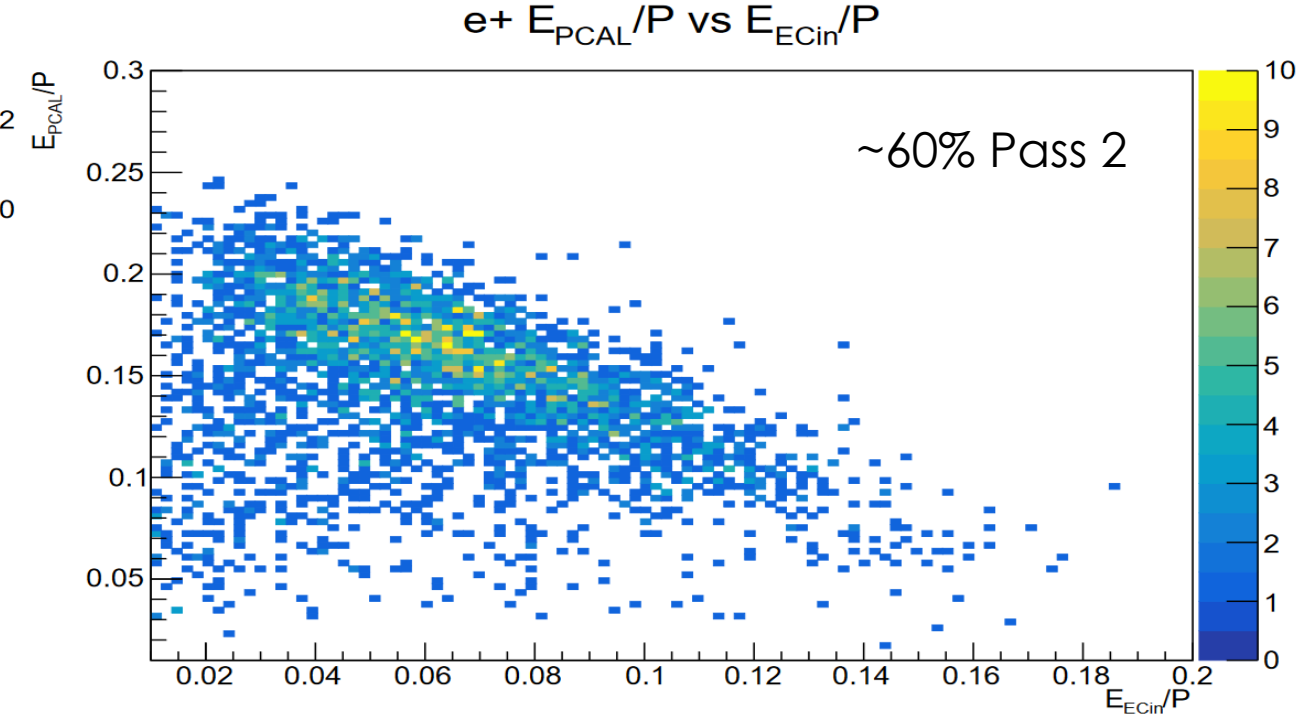
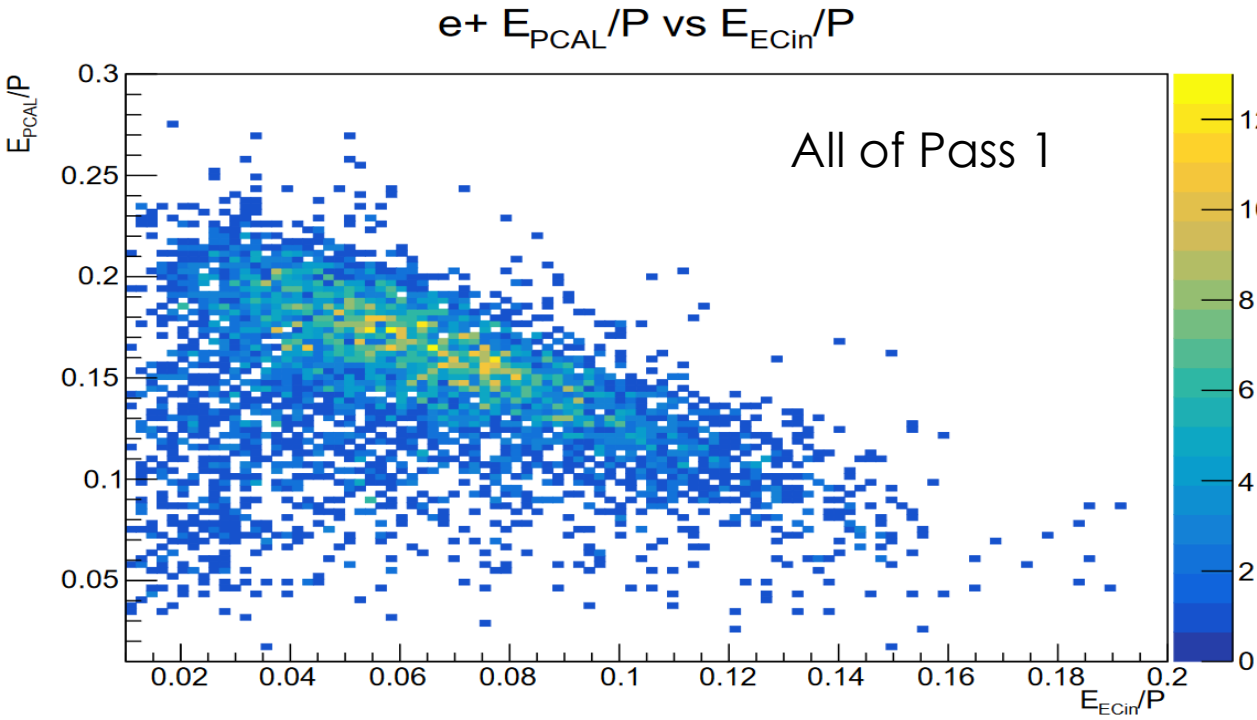
Missing Mass Squared



Q^2



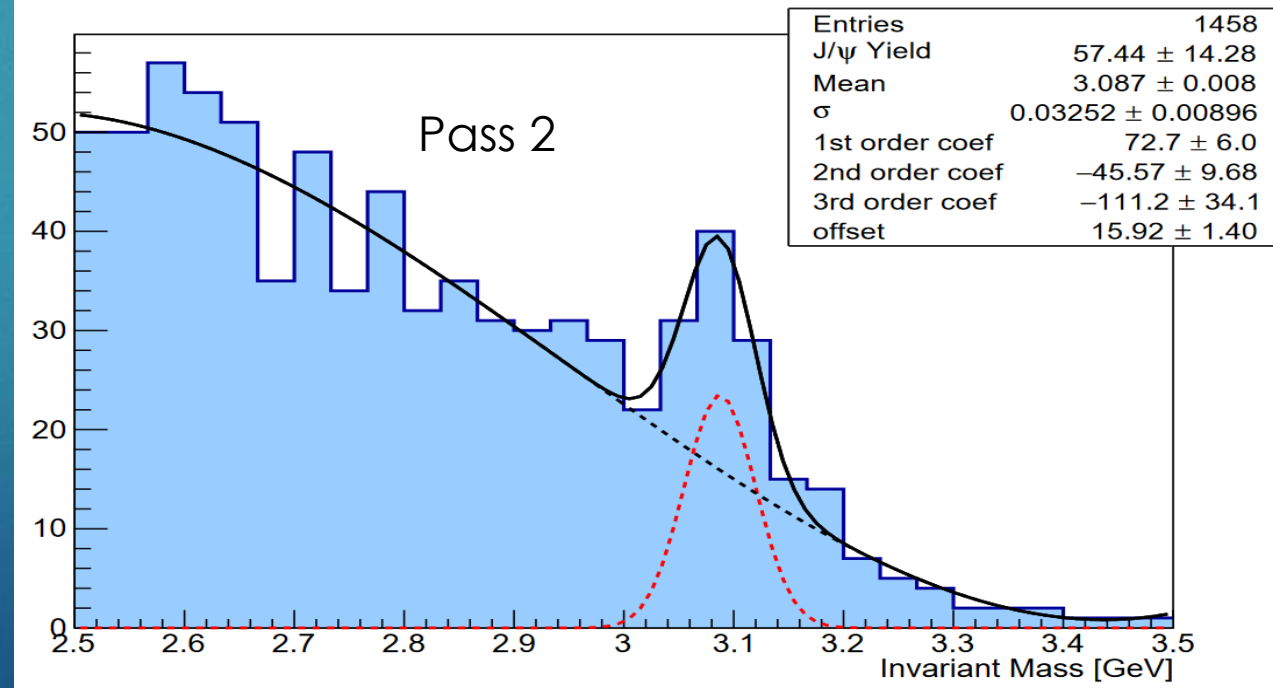
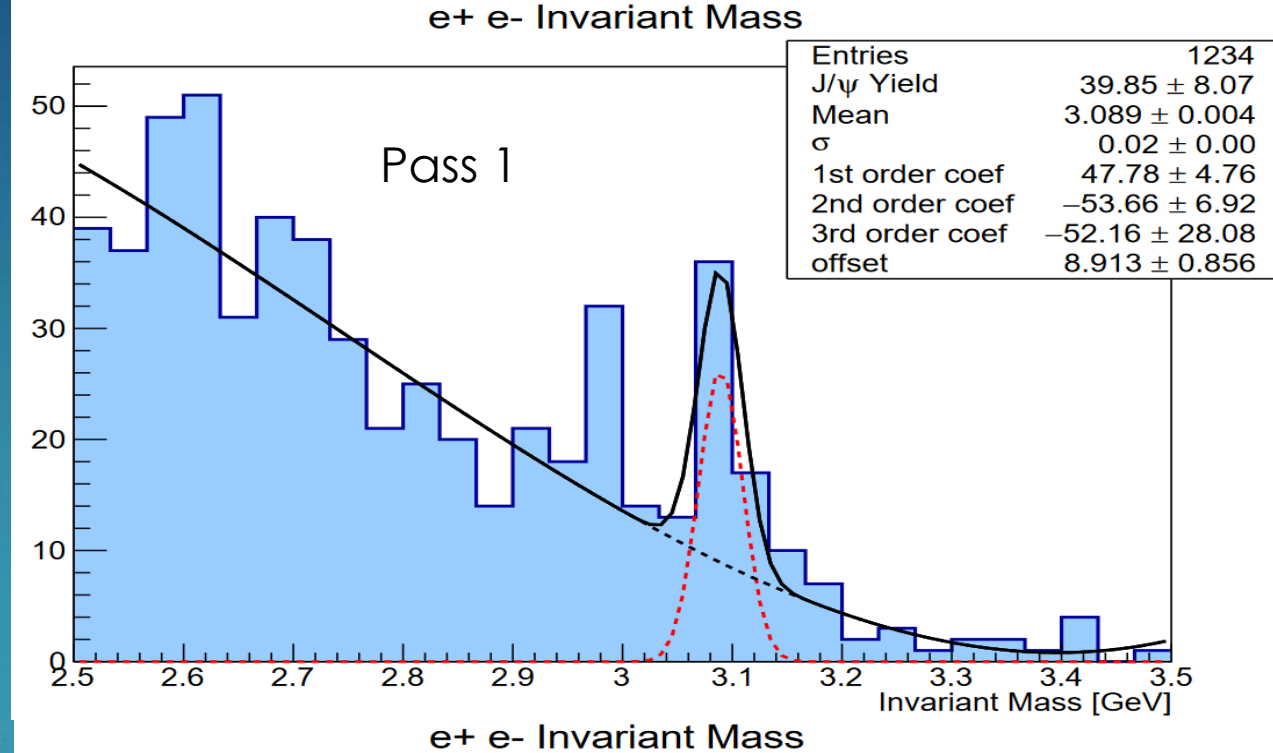
e- E_{PCAL}/P vs E_{ECin}/P e- E_{PCAL}/P vs E_{ECin}/P e- Sampling Fraction vs E_{Total} e- Sampling Fraction vs E_{Total} 



Pass1/Pass2

$(en_{bound} \rightarrow (e')e^+e^-n)$

- Used about ~60% of RG-B spring2019 (runs 6156-6429 out of 6603).
- e^- : FD, EB PID, e^+ : FD, EB PID & ML ID, n: FD, all neutral charged particles.
- $Q^2 < 0.3 \text{ GeV}^2$, $|MM^2| < 0.3 \text{ GeV}^2$
- Not quite apples to apples comparison: pass 1 required corrections to neutron momentum. Neutron reconstruction has been changed in pass 2 and new corrections have not yet been investigated.



MM^2 & Q^2

Missing Mass Squared

Q^2

