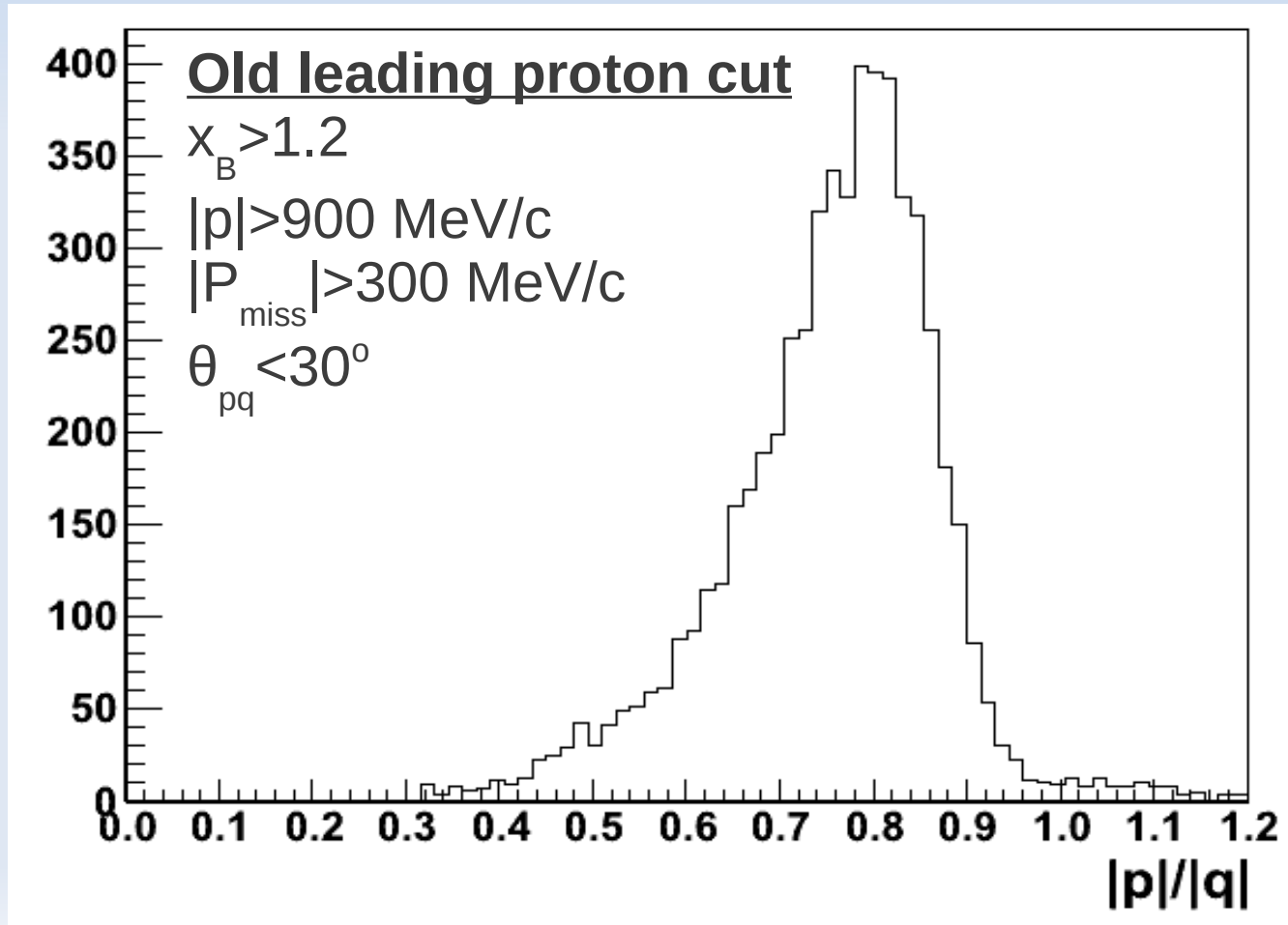


HALL-B pp-SRC analysis

- Issues raised last week
 - Leading proton identification in (e,e'p) events
 - Leading proton identification in (e,e'pp) events
 - Use E2m for (e,e'pp) events
 - XB cut 1.1 vs. 1.2?

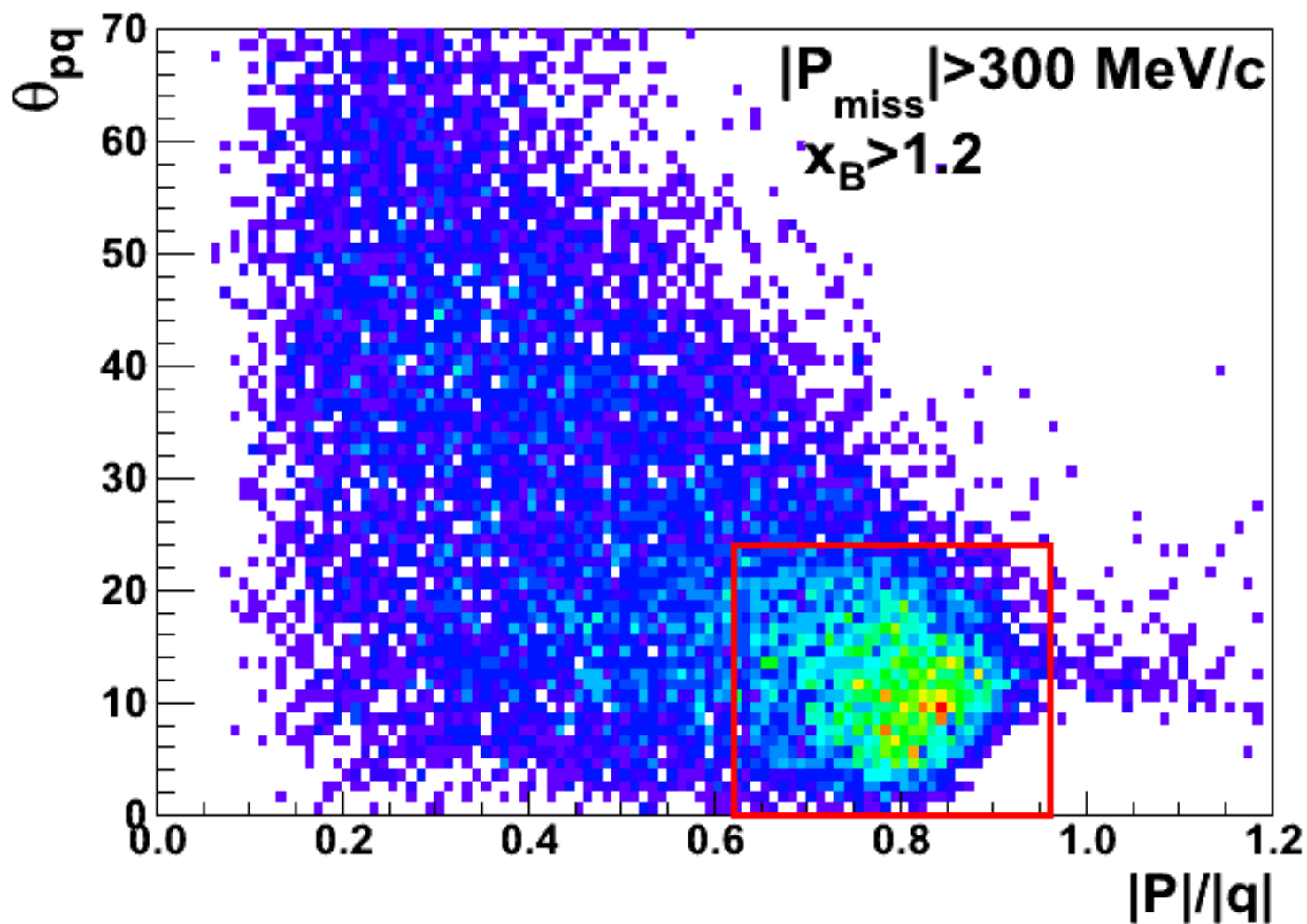
Leading proton identification in (e,e'p) events

- Old Method: Cut on absolute momentum size, $|P|$
- Shalev suggested: Cut on $|P|/|q|$

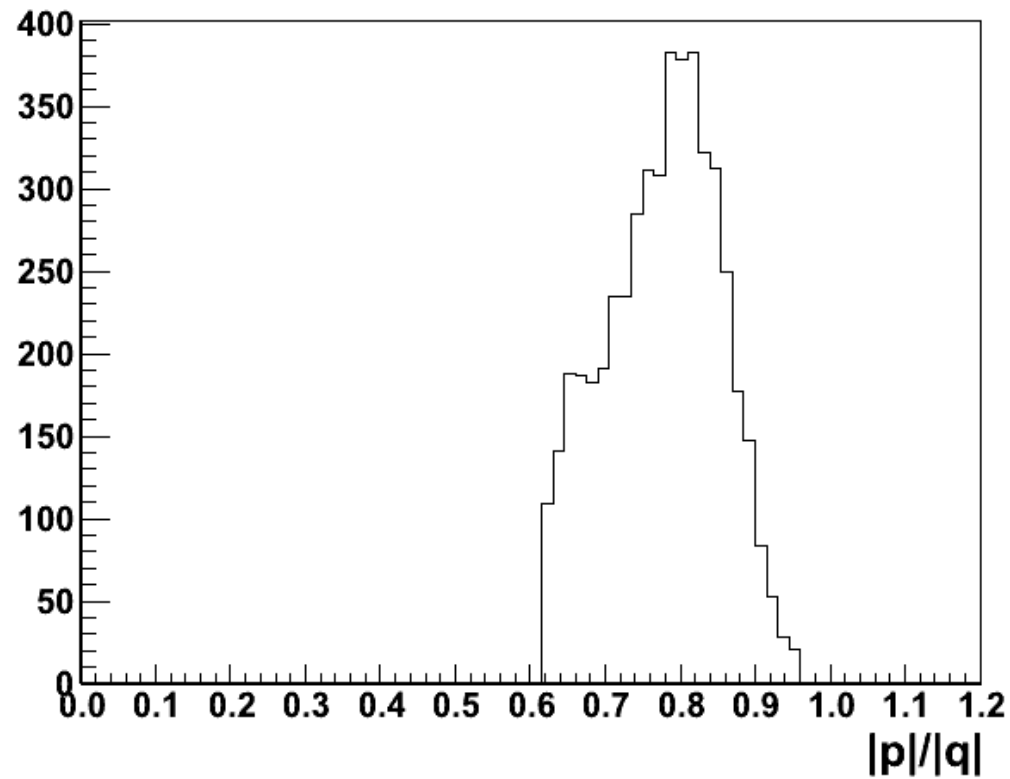


Leading proton identification in (e,e'p) events

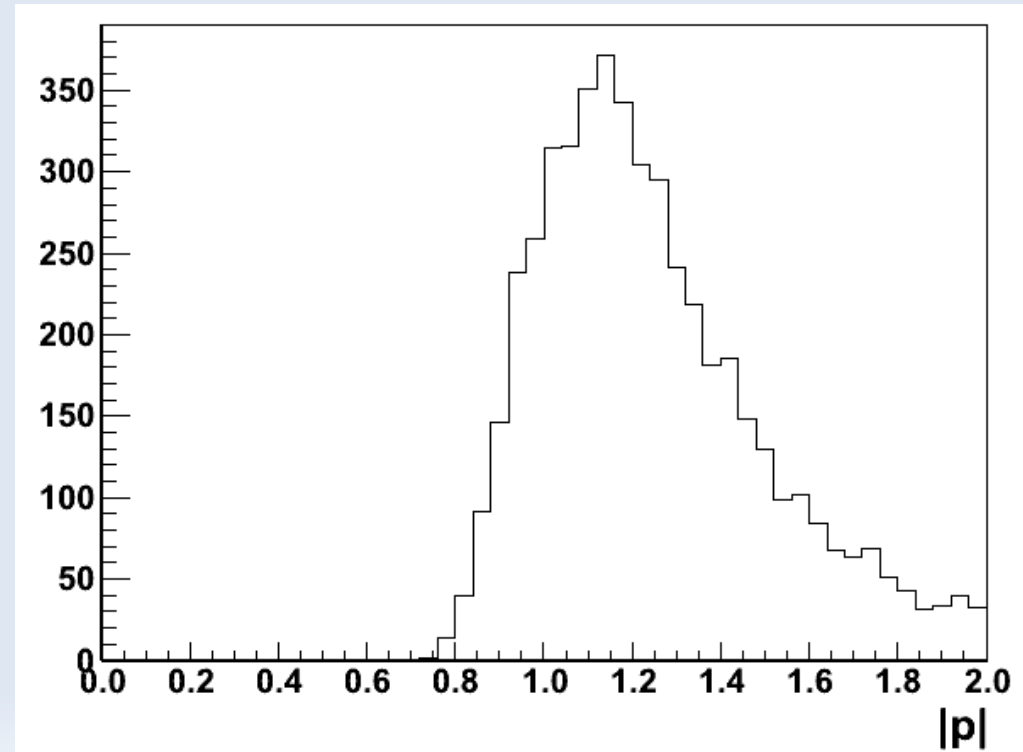
New leading proton cut



Leading proton identification in (e,e'p) events

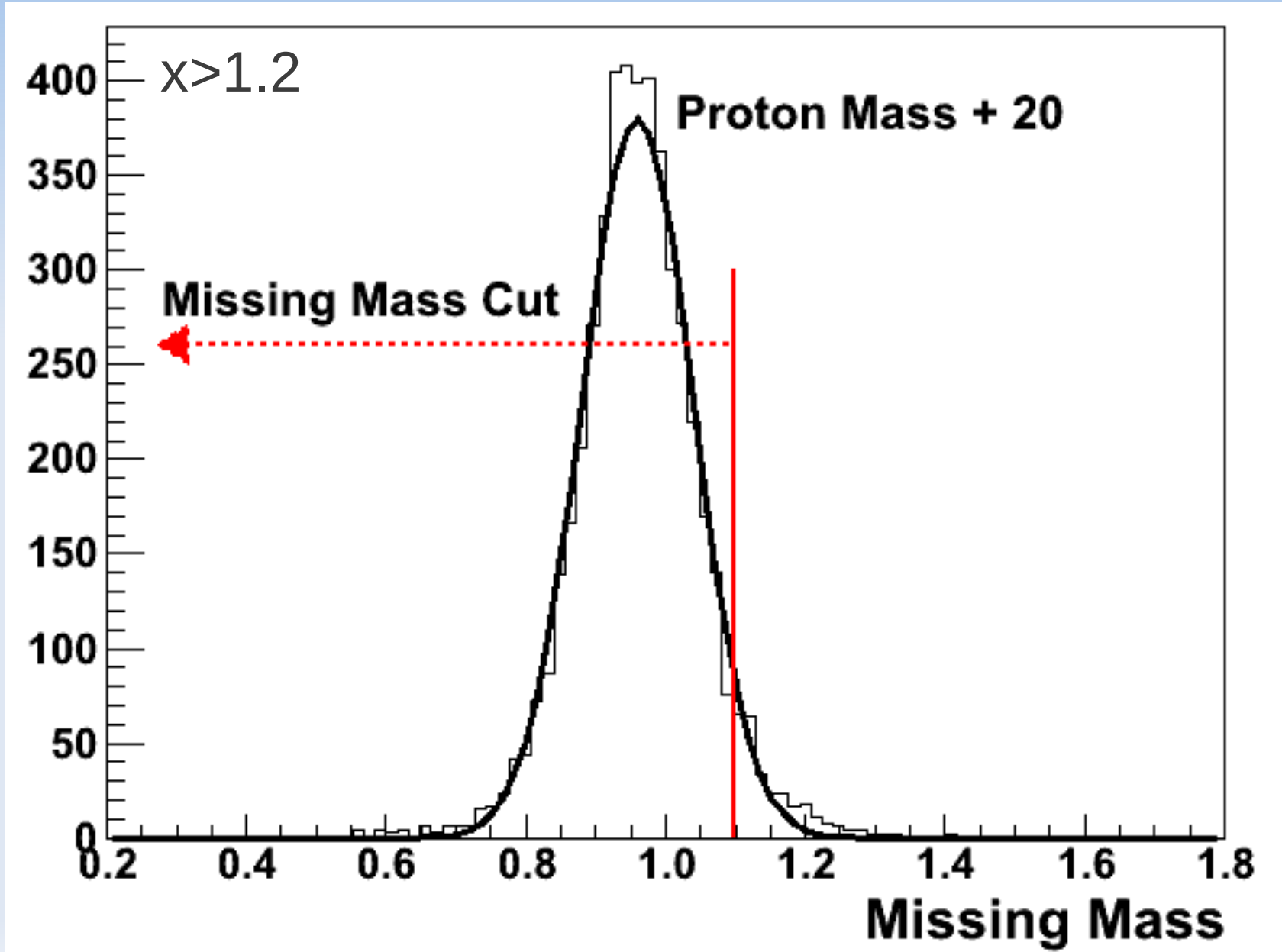


- New leading proton cut still chooses high momentum proton



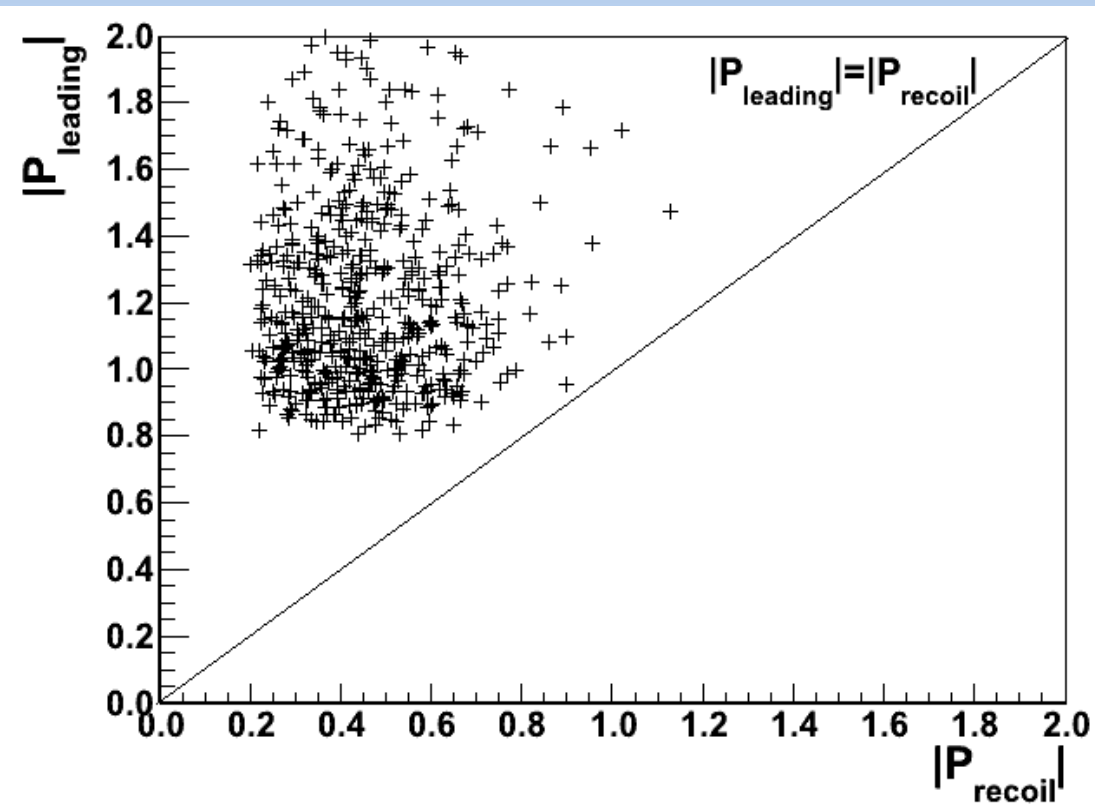
- Main improvement – much lower BG in the q direction.
(See coming slides)

Missing Mass Cut for (e,e'p) events

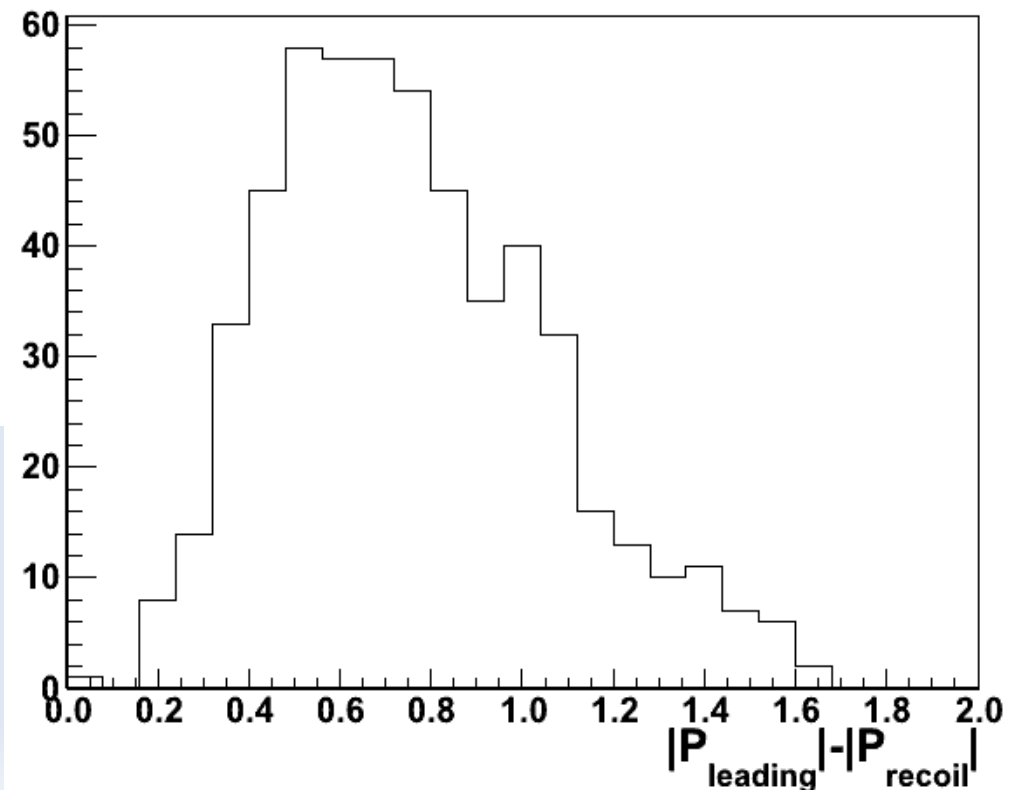


Leading proton identification in $(e,e'pp)$ events

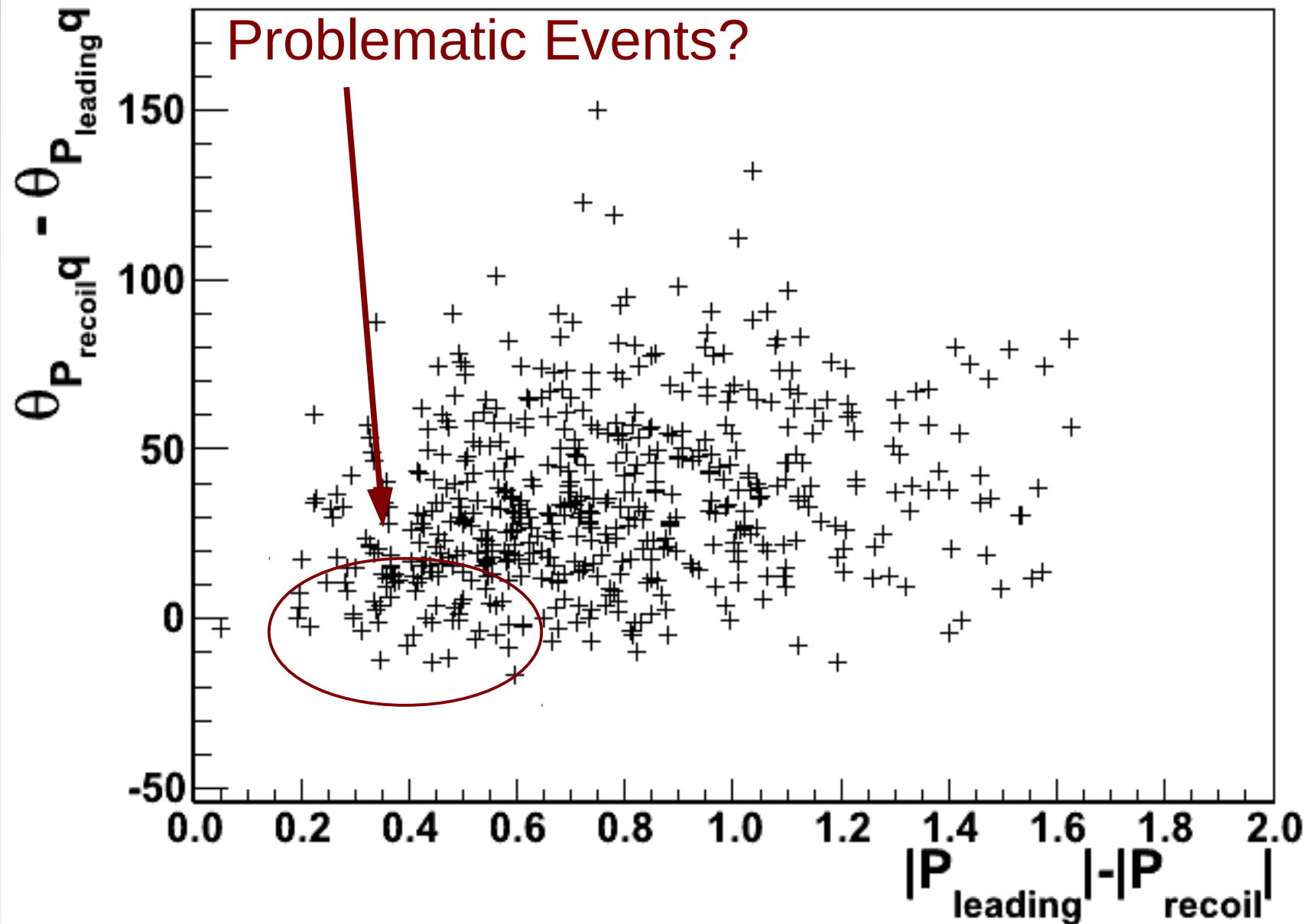
Cutting on leading proton, Looking at recoil proton



No $(e,e'pp)$ events in which both protons pass the leading proton cut

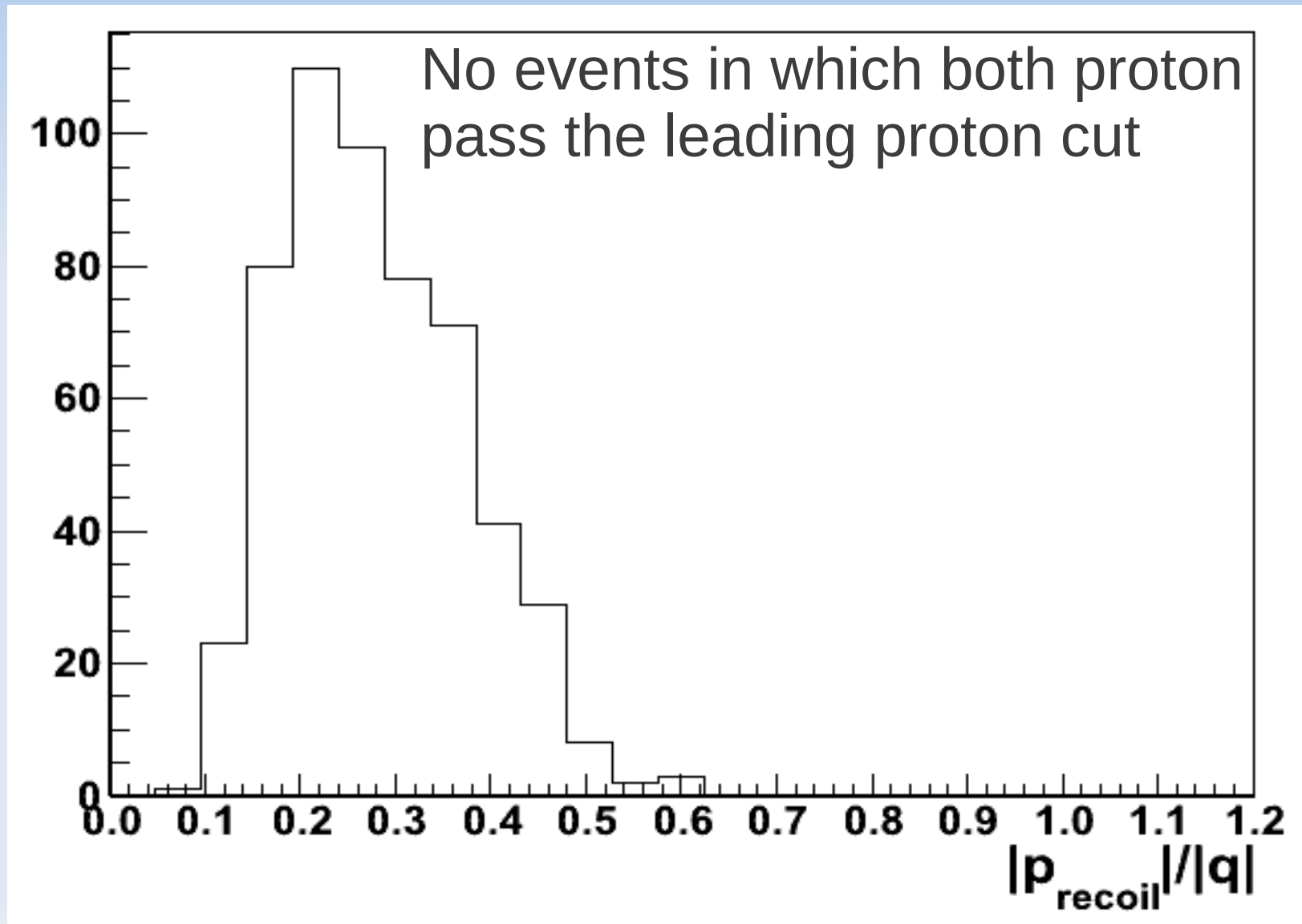


Leading proton identification in $(e, e'pp)$ events

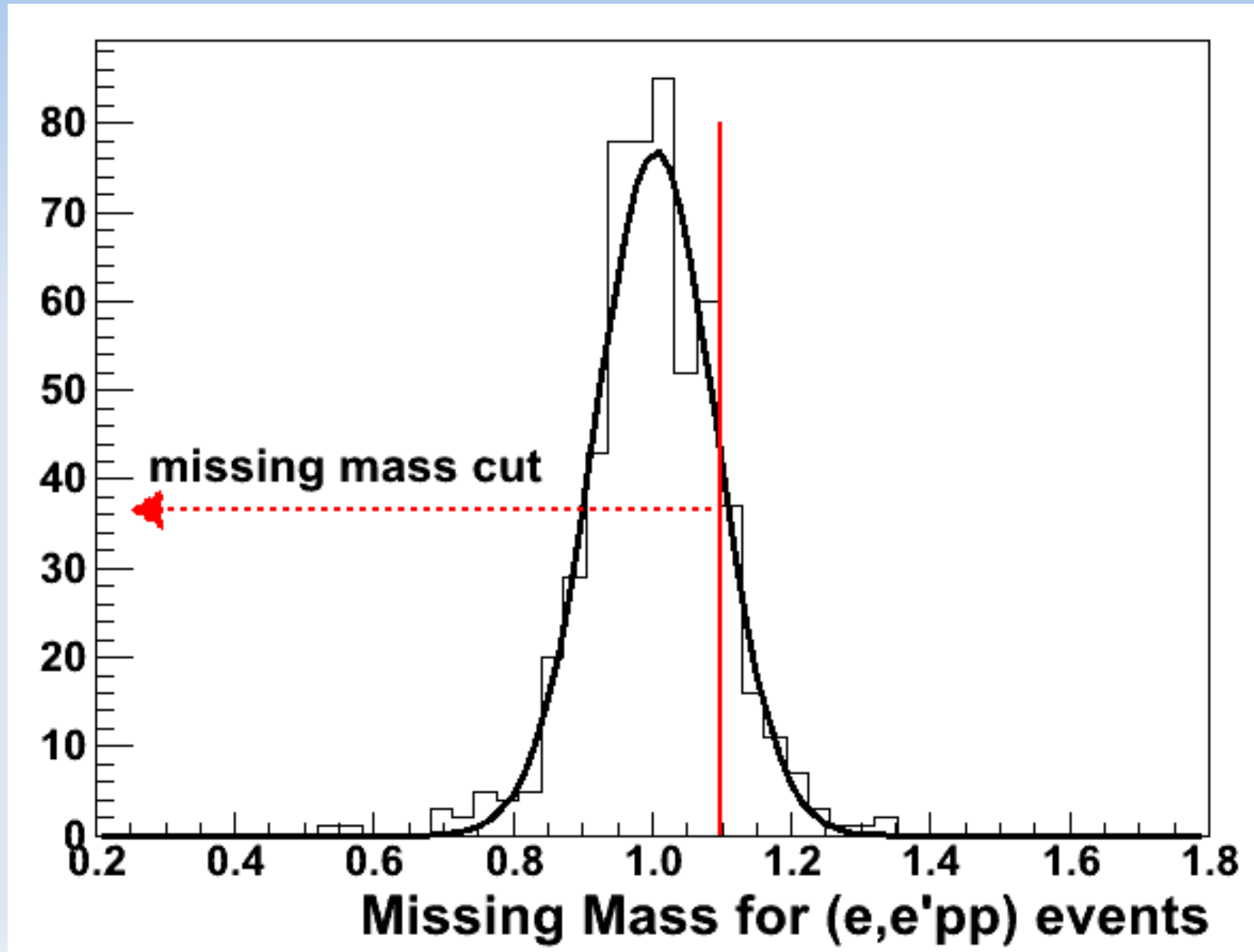


Leading proton identification in $(e, e'pp)$ events

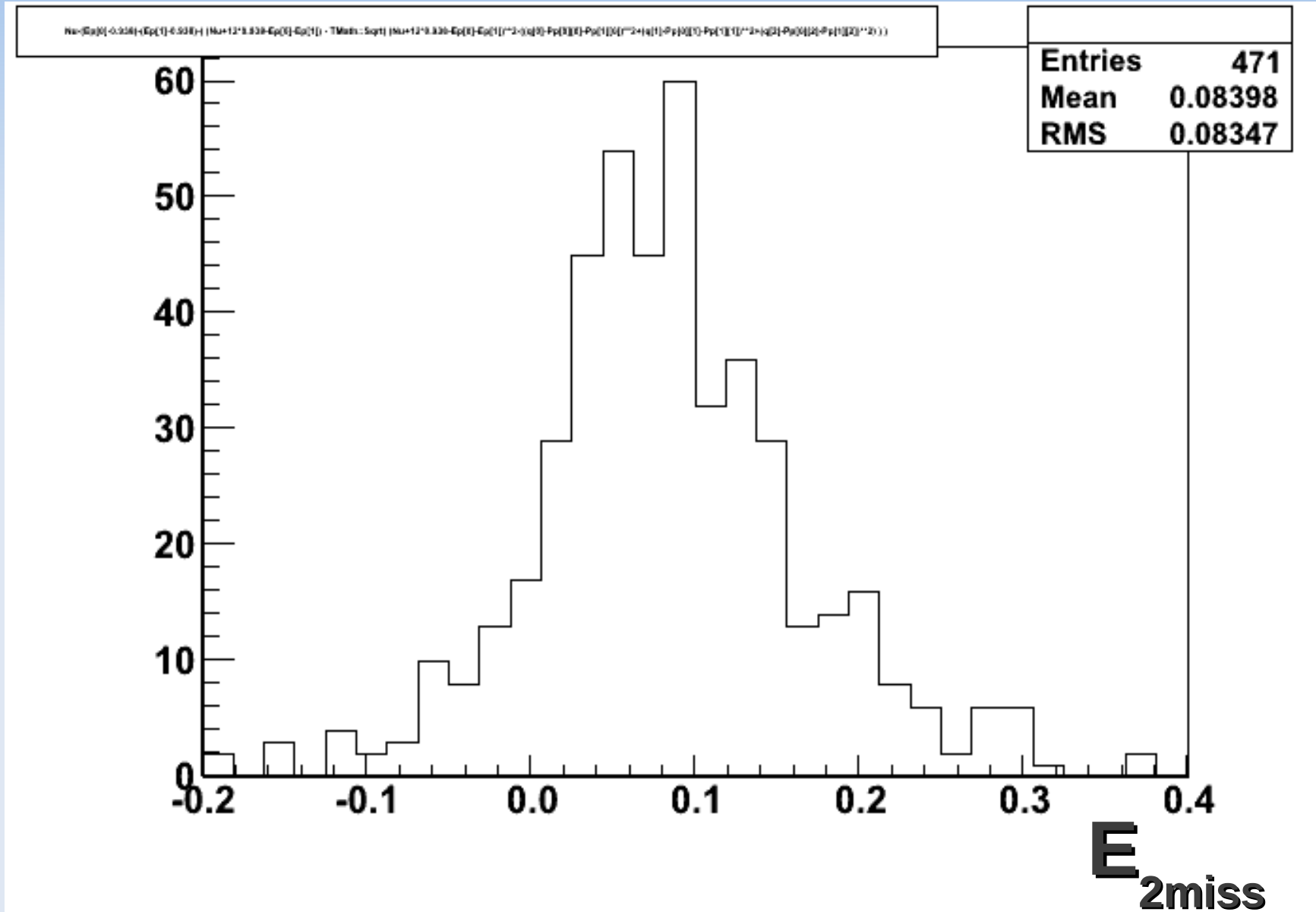
Cutting on leading proton, Looking at recoil proton



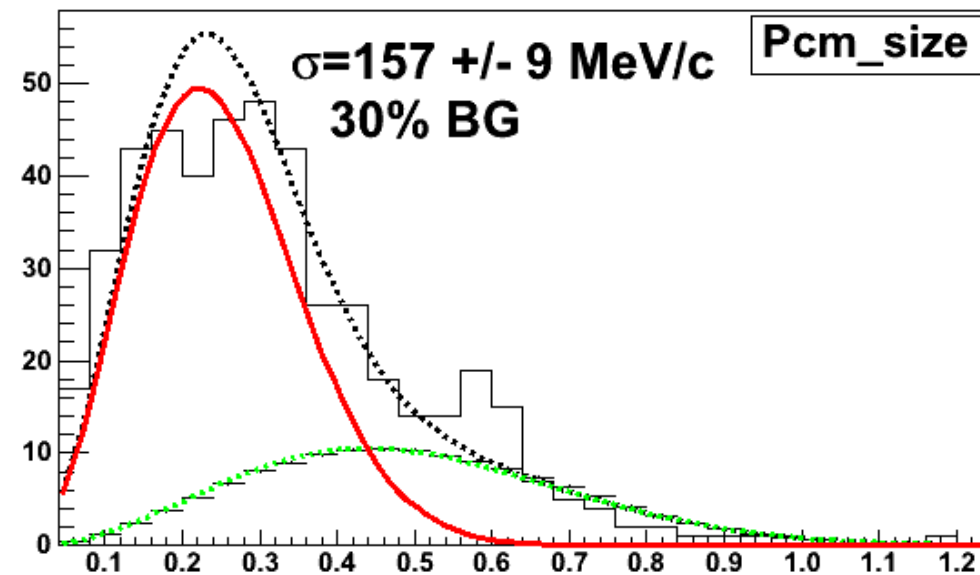
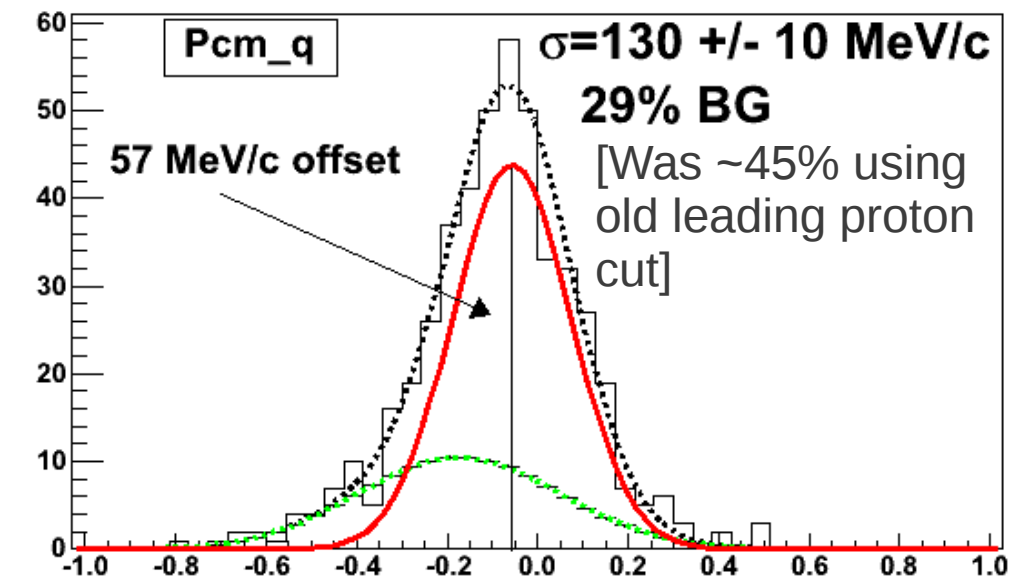
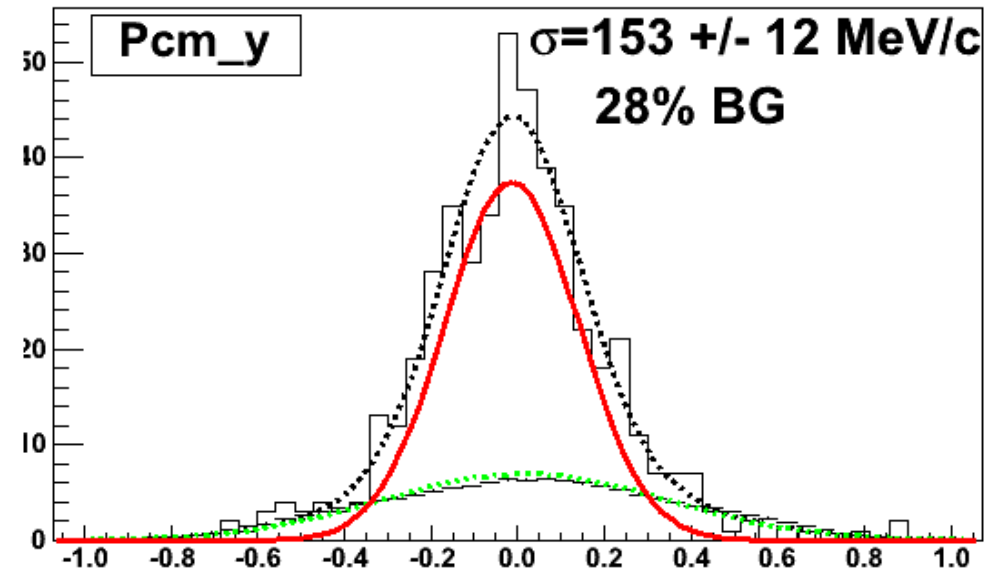
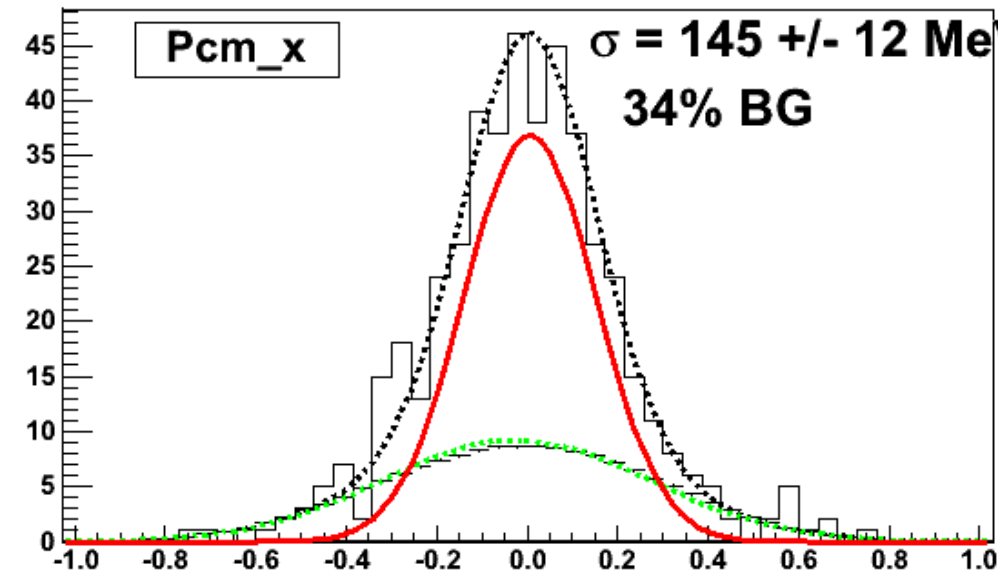
Missing Mass Cut for (e,e'pp) events



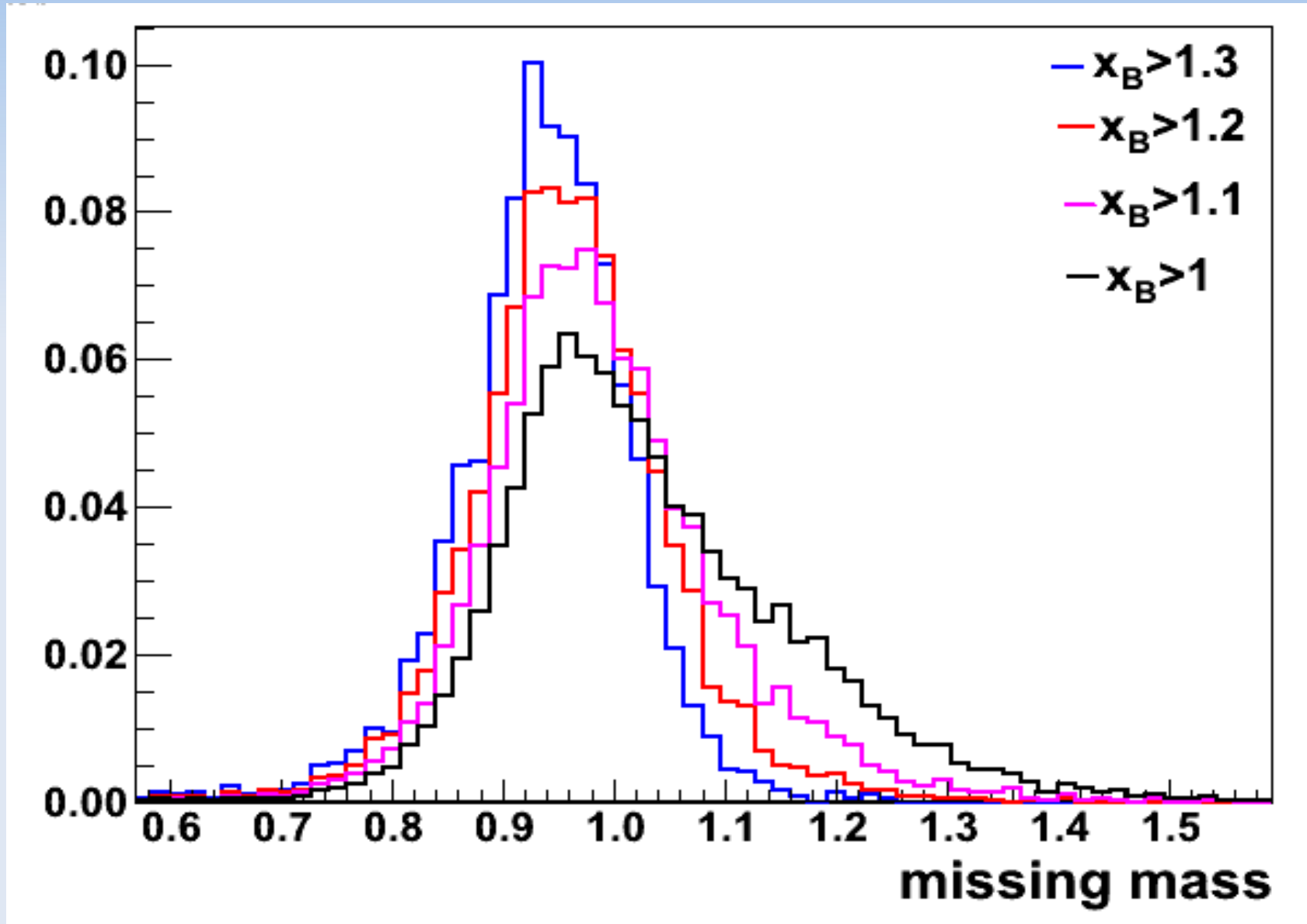
Missing Energy for (e,e'pp) events



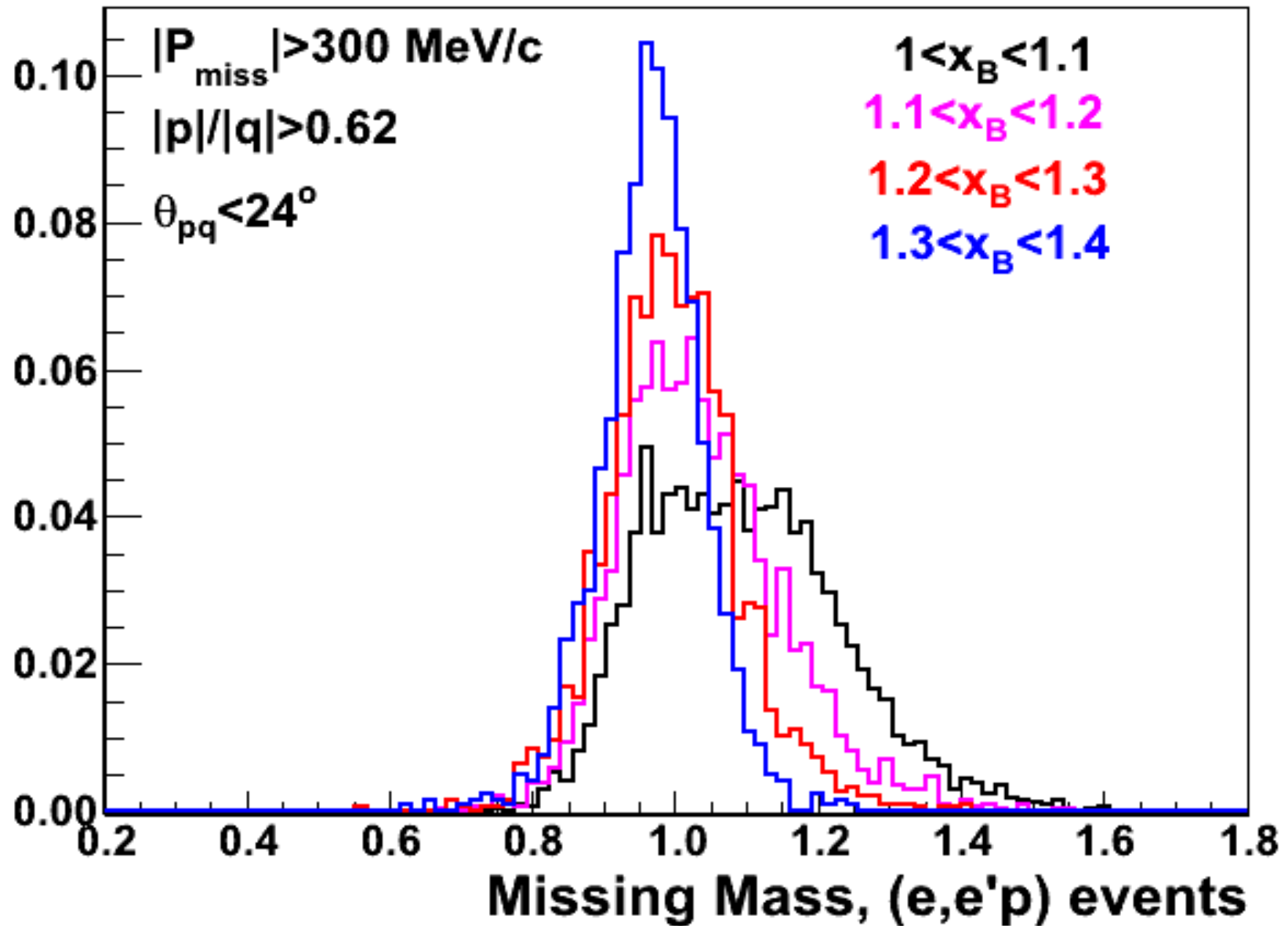
CM distribution



Missing mass, “delta”, and x_B



Missing mass, “delta”, and x_B



Missing mass, “delta”, and x_B

