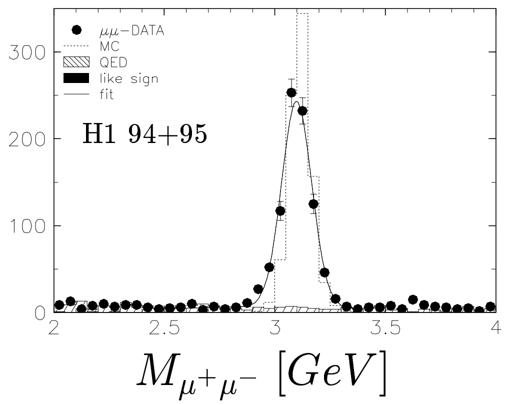
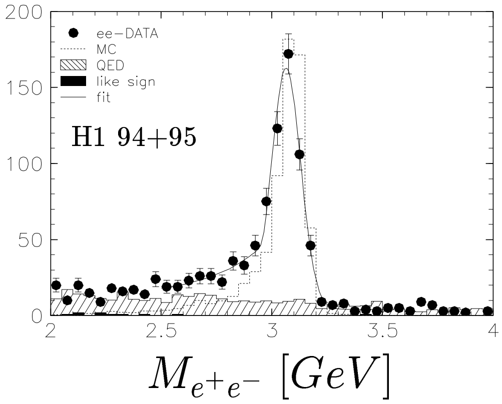
Elastic J/ψ - Signals

event selection





- J/Ψ tagged from its decay into $\mu^+\mu^-$ or e^+e^-
- $\vec{p}_{\mu,e}$ measured in central drift chamber or BEMC ($J/\Psi \to e^+e^-$)
- muons identified in LAr and/or muon detector
- electrons identified in LAr or BEMC (1994)
- $z > 0.9$ to select diffractive contibutions
- forward cuts against proton dissociation
  no signal (above noise) in forward detectors:
  proton tagger (+24 m), forward muon system
  and forward part of LAr
- proton dissociation cross section measured separately