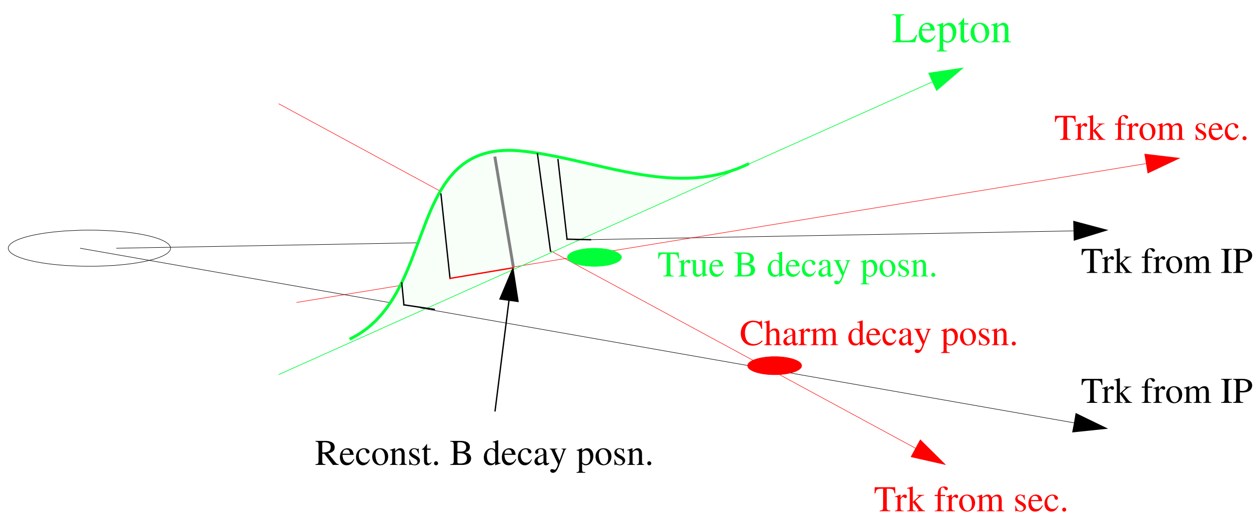
LEPTON + TRACKS

- Select lepton with $p_t > 0.8$ GeV/c (w.r.t. jet axis)
- Intersect tracks in the jet with lepton trajectory



- B Vertex = weighted mean of track intersections along lepton
- Weight enhances contribution from secondary tracks
  Depends upon:
  - Normalized 3D impact parameter
  - Track error
  - Opening angle between lepton and track
  - Opening anlge between IP to trk intersection and jet axis
- Vertexing efficiency = 98%
- Resolution - core: 170μm (58%), tail: 550μm (42%)
- Recon boost using 4-mom conservation, calorimetry and track info

LEPTON + TRACKS
Fit Results