S2E Tracking for e- and e+ source

- Preliminary beam optics was designed; but it is only single-particle dynamics.
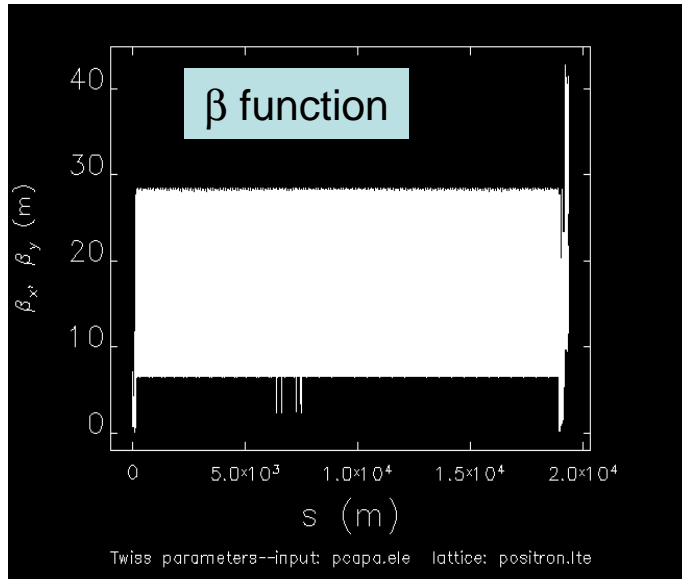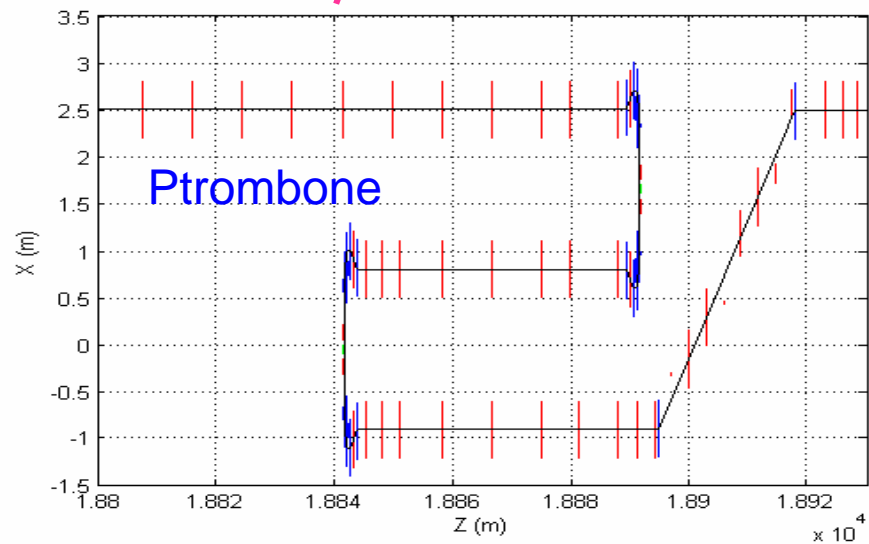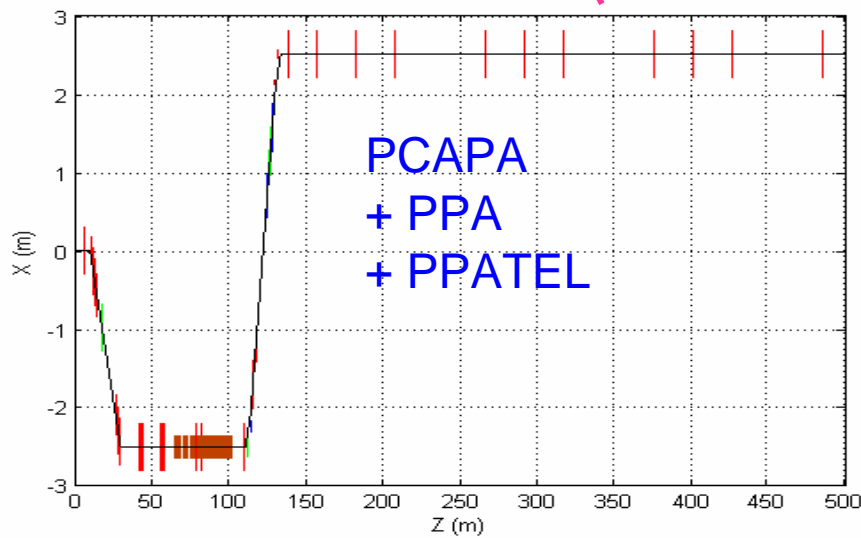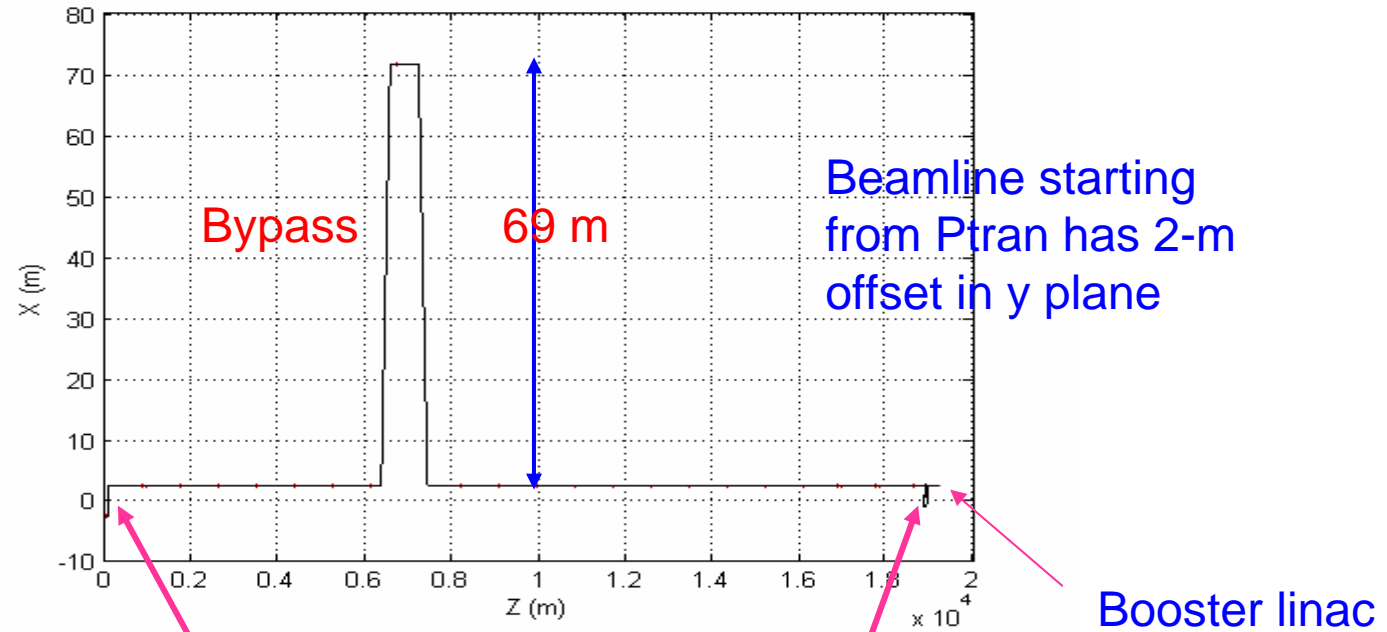
- Need a bunch of particles to track through e- and e+ sources; ANL Borland's Elegant code is used.

- After lots of pains to convert MAD input files into Elegant, 1st cut of tracking results for e+ source are presented (initial bunch distribution with large energy spread and emittance is assumed).

- Next step is to include *quads tolerance, structure tolerance, wakes*, etc.

- Same procedures for e- source

Initial tracking through e+ source
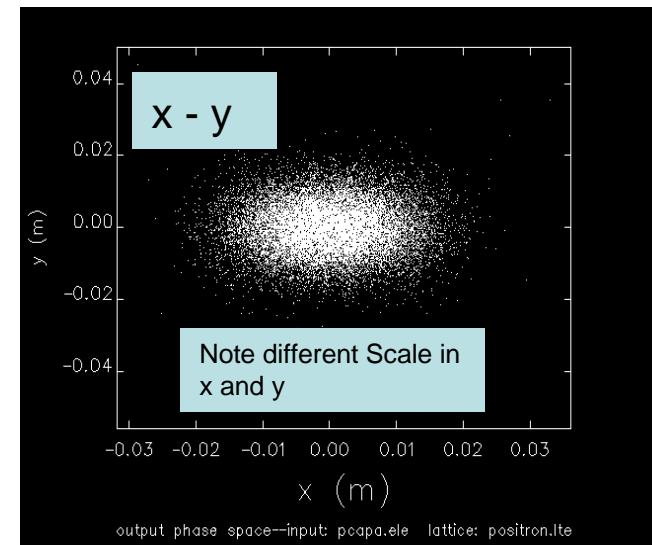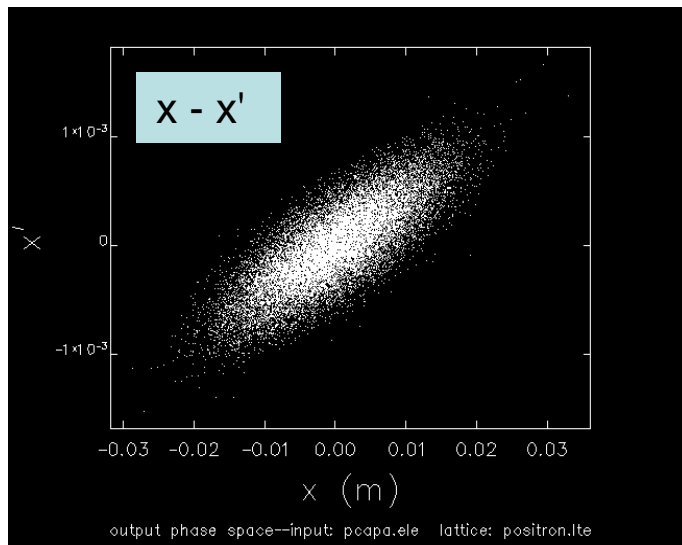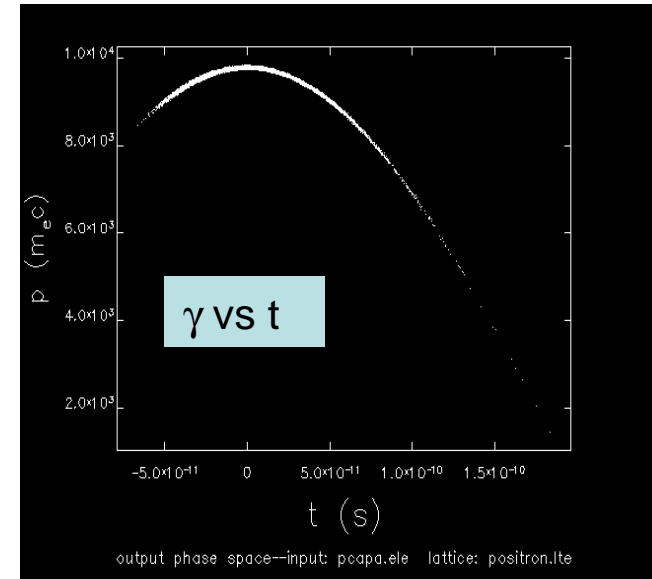
e+ source survey

e- source survey