JLAB PWA ACCEPTANCES STUDIES – 7/23/2010 – Dennis and Carlos
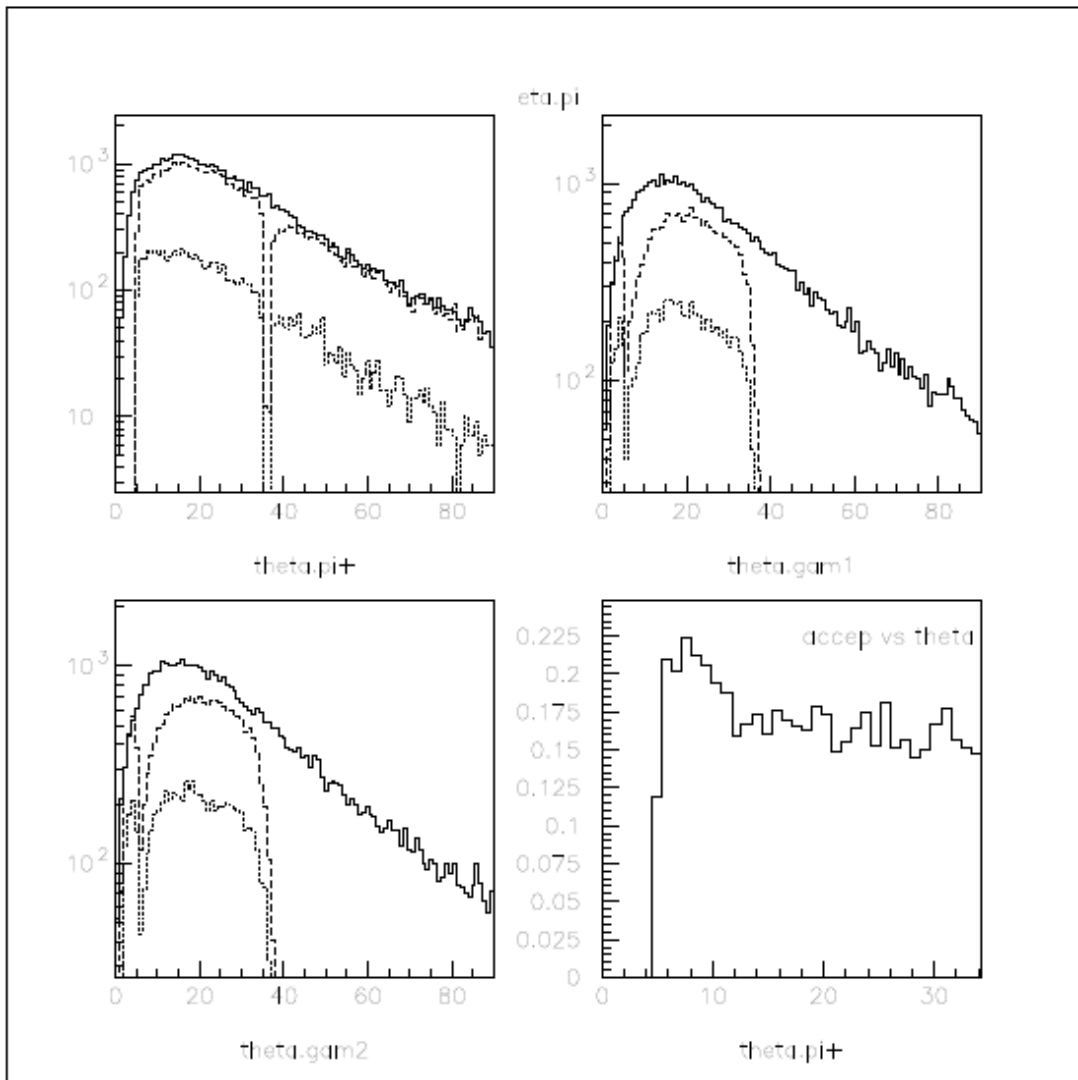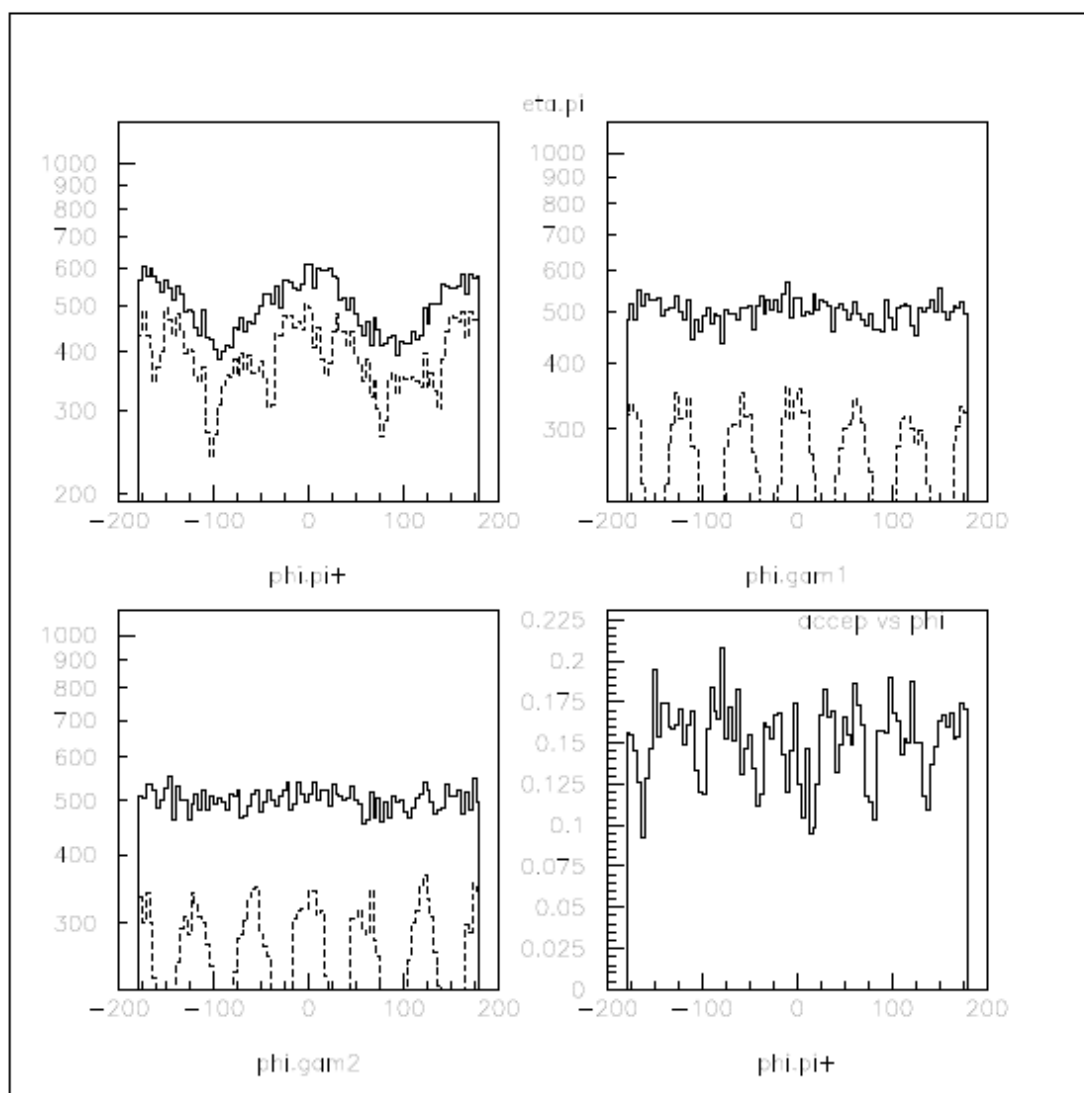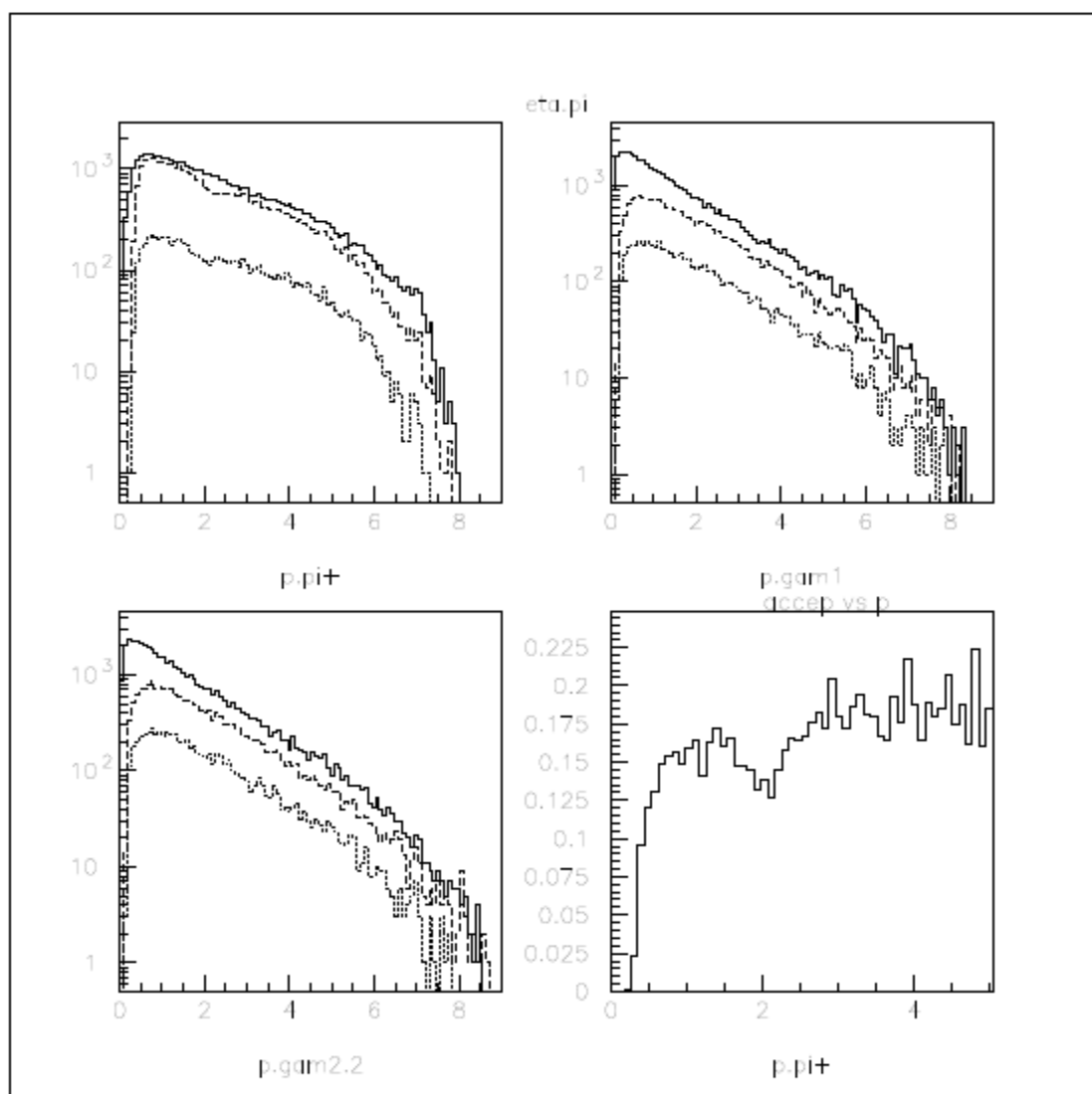
The following plots are g.p->X(1400)n->eta.pi.n generated with Pol=75% and passed through the fastMC with conf=5,full field, accep=1 (eta-➔ g.g detected and pi+)
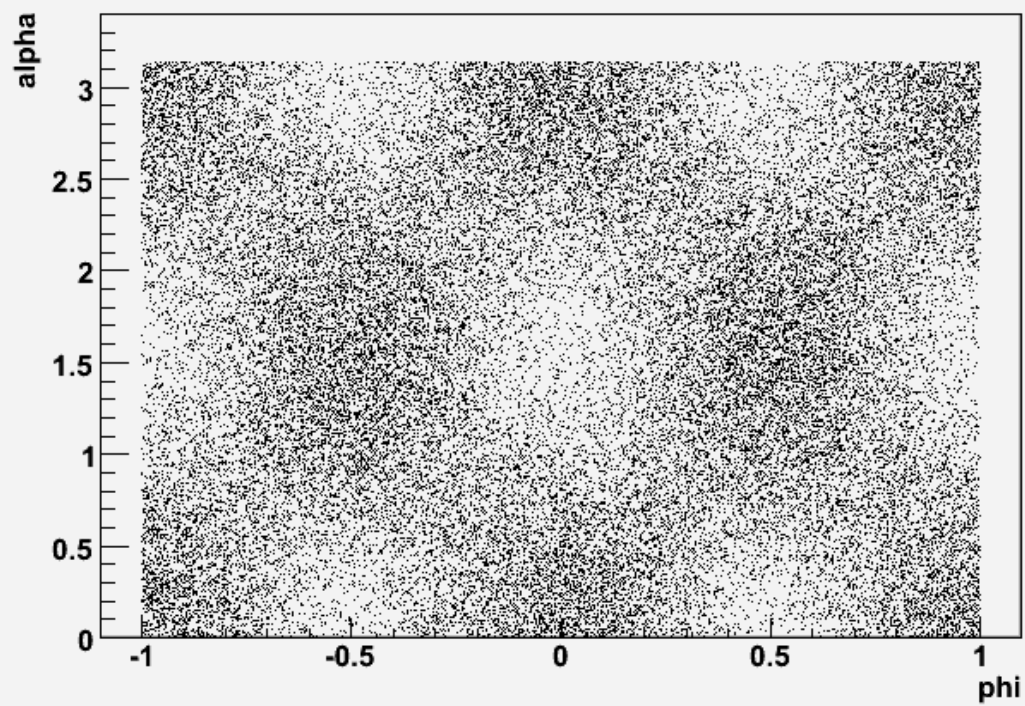
1st set: theta in lab (gen, part accep, event accep) for the pi+,g1,g2 last is accep vs theta
2nd set phi in lab (gen, part accep, event accep) for the pi+, g1,g2 last is accep vs phi
3rd set momenta in lab (gen, part accep, event accep) for the pi+, g1,g2 last is accep vs p
4th alpha vs phi_GJ; upper is generated; bottom is accepted>>> *the structure due to polarization is retained by the detector*

eta.pi

phi.pi+

phi.gam1

phi.gam2

accep vs phi

phi.pi+

eta.pi

p.pi+

p.gam1
accep vs p

p.gam2.2

p.pi+

alpha:phi

alpha:phi {acc== 1}