

Photon ID



- A lot of work...not as much progress as we hoped.
- Efforts:

Identify clean sample of photons

π^0 ...Drew

$\chi_c \rightarrow \mu\mu\gamma$...Yurii

Additional tools

Hit counting...Oleksiy/Yurii

Cal-CPS match... Yurii

CPS cut variables...Drew/Sean/etc

Certification



- Assume it means set of cuts and efficiency for the object.
- Wanted to do using data (photons rather than electrons)
 - Tried to identify pure samples of photons...no luck.
- Use System8. Need 2 samples (where know 1 is more pure than the other), 2 uncorrelated cuts.
 - Use $W\gamma$ sample and Jet+EM sample
 - Being reprocessed with p14.05.02 (almost done 11/20/03)
 - Cuts are easy. EMF, Iso, or HM8 as one cut and !Trackmatch, or !Trackmatch2.
 - Correlations are 3% or less. Crosscheck with different cuts to see if things are stable with this level of correlation
 - Currently testing System8 code on MC...some oddities.
- Hope to have results next week.