

PPG 016
The □: figures

Richard Seto

UCR

Light/Heavy PWG Dec 5, 2002

Paper possibilities

- The following possibilities are given "without prejudice" (as the Supreme Court says)
- If results are strong and we see interesting effects
 - two prl's
 - Centrality Dependence of Width
 - Centrality Dependence of Yields
 - Or make a longer letter and submit to Physics Letters
 - One letter + PRC
- Otherwise a longer PRC

PRL on Width

- Mass plot with a fit (INSERT - unsubtracted spectrum with BG)
- Mass vs centrality + MC measurement + λ + λ MC (can we put these on one plot?)
- Width vs centrality + MC measurement + λ + λ MC
- figure showing the significance
 - perhaps fit to a flat line?
 - or charlie's plot of prob that the width can be consistent with nominal mass and width.

PRL Yields

- Mass plot with a fit (INSERT - unsubtracted spectrum with BG)
- Mt plots for several centralities
- Centrality dependence of the yield (dn/dy vs centrality)
 - normalize to n_{part}
- Mt vs centrality?

PRC

- Basic plots
 - PID plot from EMCAL (TOF refer to NIM)
 - Mass plot with a fit (INSERT - unsubtracted spectrum with BG)
 - demonstration of background subtraction technique. I am not sure what plot to show - same sign stuff, background types
 - Mass and width vs centrality with error bars reflecting the significance of the measurement - sensitivity plots to resolution

PRC: continued

- Mt plots for several centralities
- Mt vs centrality
- Centrality dependence of the yield (dn/dy vs centrality)
- same as above normalized to n_{part}
- same as above normalized to Kaons, pions?, protons?

PRC: continued

- Possible stuff
 - T dependence as a function of mass
 - pp pt distribution
 - To check out quenching - two bins
central and peripheral - pt distribution
AuAu/pp