Systematical Errors

(preliminary)

- III Enhancement factor
  - defined as data(m>0.2)/cocktail(m>0.2)
    $\rightarrow$ additional relative error of
    cocktail (m>0.2)/cocktail(m<0.2)

    branching ratios η,ω
    form factors η,ω overall $\sim$20%
    p_T-distrib.
    y-distrib.

    N_η/N_{ch},N_ω/N_{ch}(statistical model) $\sim$20% (?)

    $\rightarrow$ additional 30 %

- However
  - comparing <u>relative</u> enhancement between 40 and 160 AGeV
    $\rightarrow$ most of additional error disappears

- <u>Conclusion</u>
  - for the statement
    "enhancement 40 > enhancement 160 AGeV":

    statistical error at 40 AGeV ($\sim$30%) dominant