

P.O.T. comparison

# data

- Minimum bias data
  - ScaledTrigBlt&0x104==0x104
  - Proper data for comparison
- Normalization data
  - Different online veto
- Physics data
  - Different online veto, COE

# Run63 vs Run69

- Run69(21runs)
  - Total #KLs :  $2.014e10$
  - Pre-scaling : 70
    - #KLs in data =  $2.877e8$
- Run63(33runs)
  - Total #KLs :  $6.178e10$
  - Pre-scaling : 300
    - #KLs in data =  $2.059e8$
- $\text{Run69/Run63} = 1.691$

# Remaining #events

- #Triggers

- Run69(Run63) : 1637525(1224759)
- Run69/Run63 = 1.337

- #events after all Kinematical cut.

- Run69(Run63) : 31391(15363)
- Run69/Run63 : 2.043

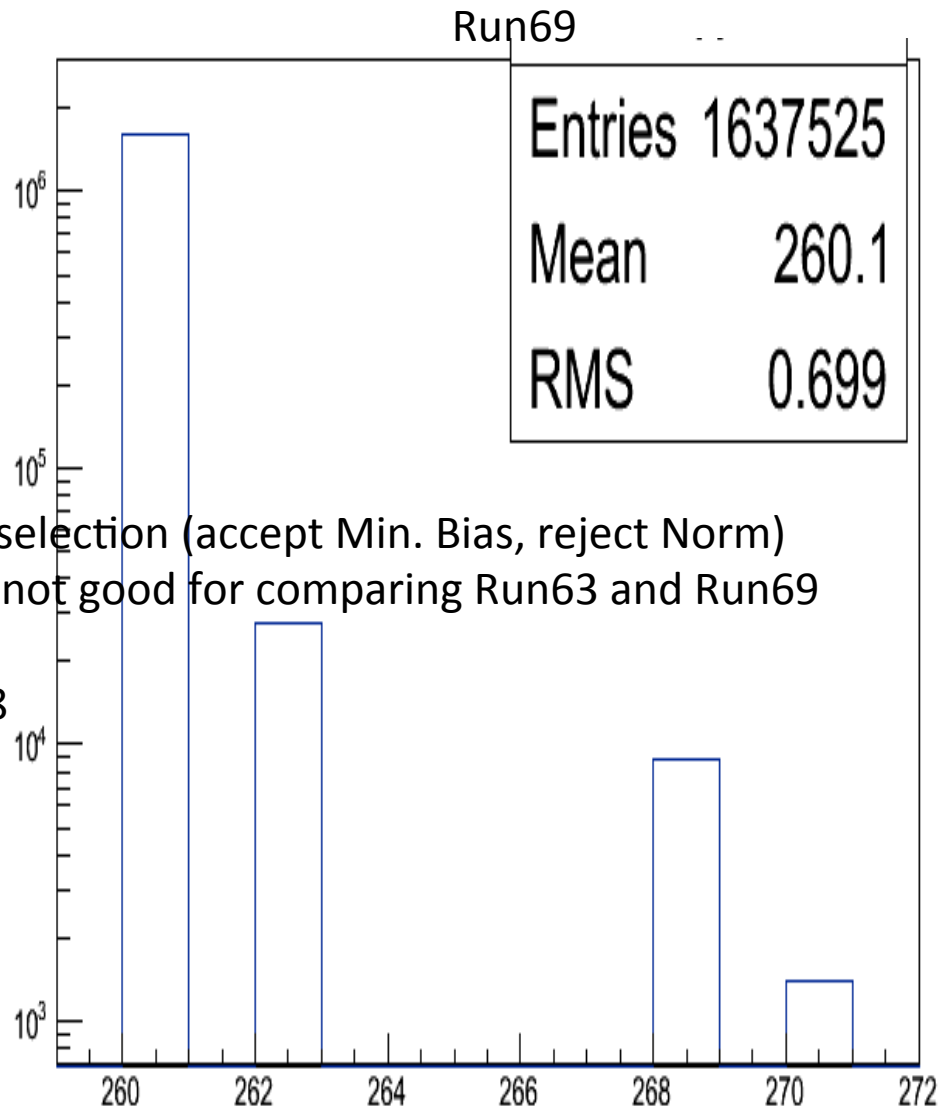
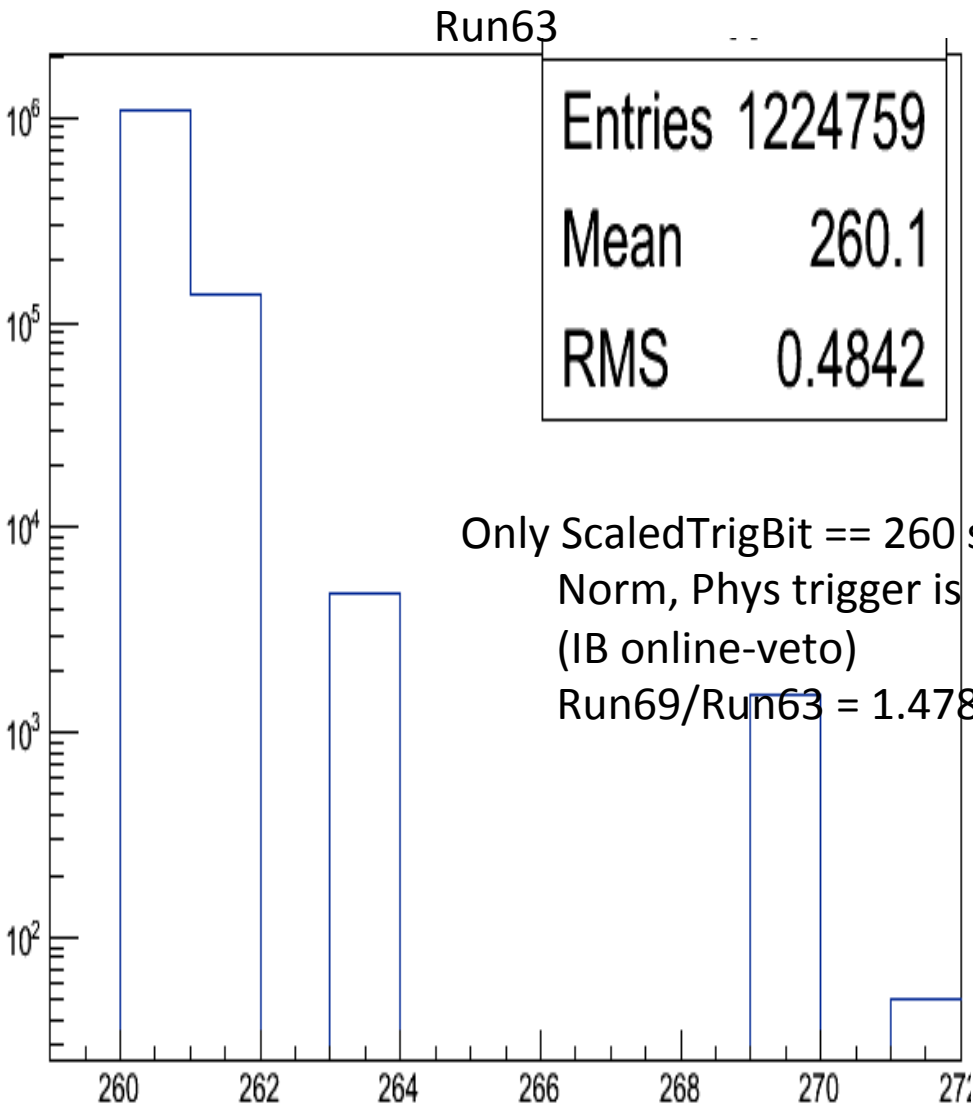
Csl Energy calibration?  
(temp correction)

- #events after MB && Kin.

- Run69(Run63) : 9258(1847)
- Run69/Run63 : 5.012

IB effect( new 5X<sub>0</sub>)

# Trigger Bits

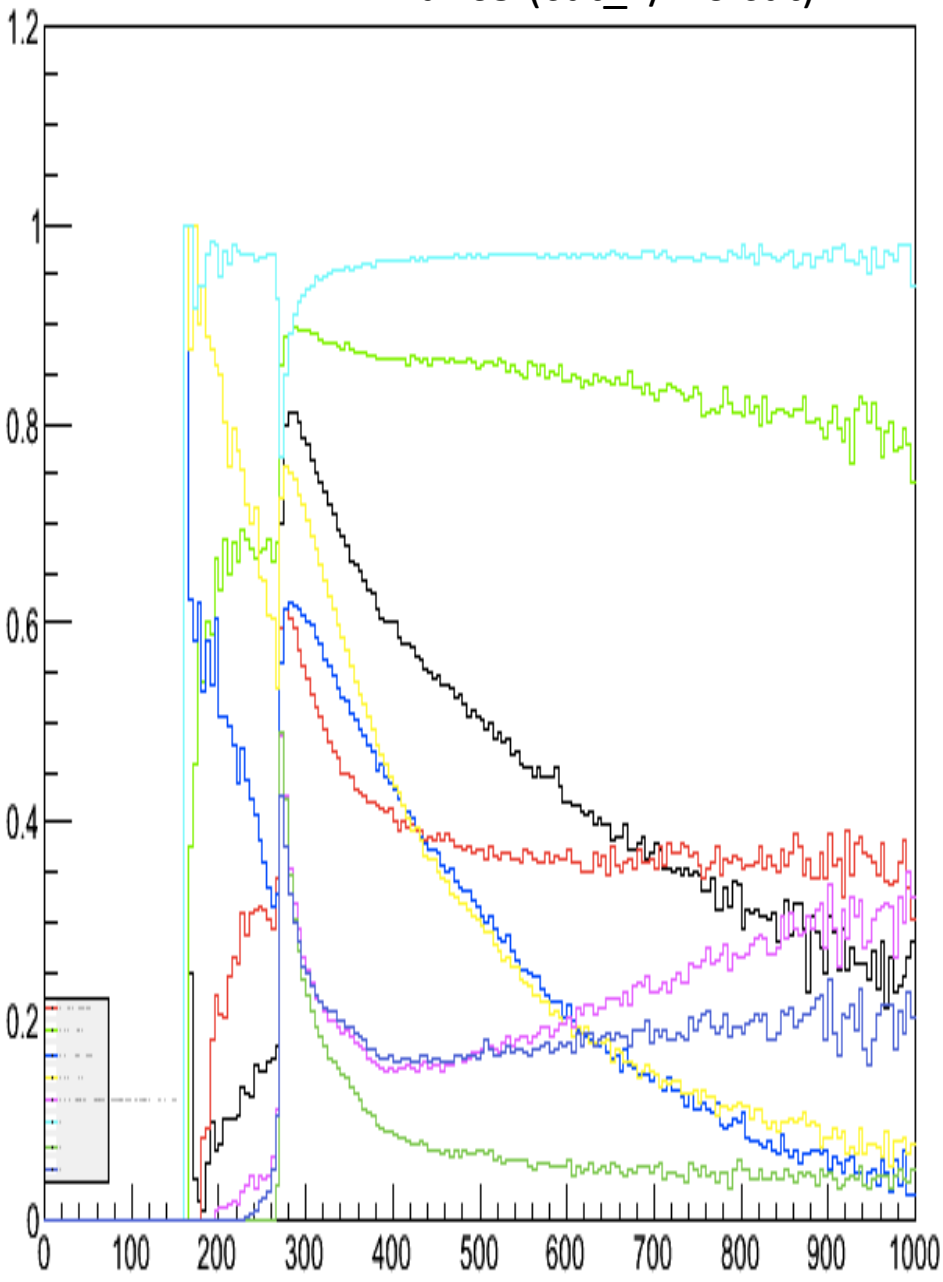


# Kinematical cut

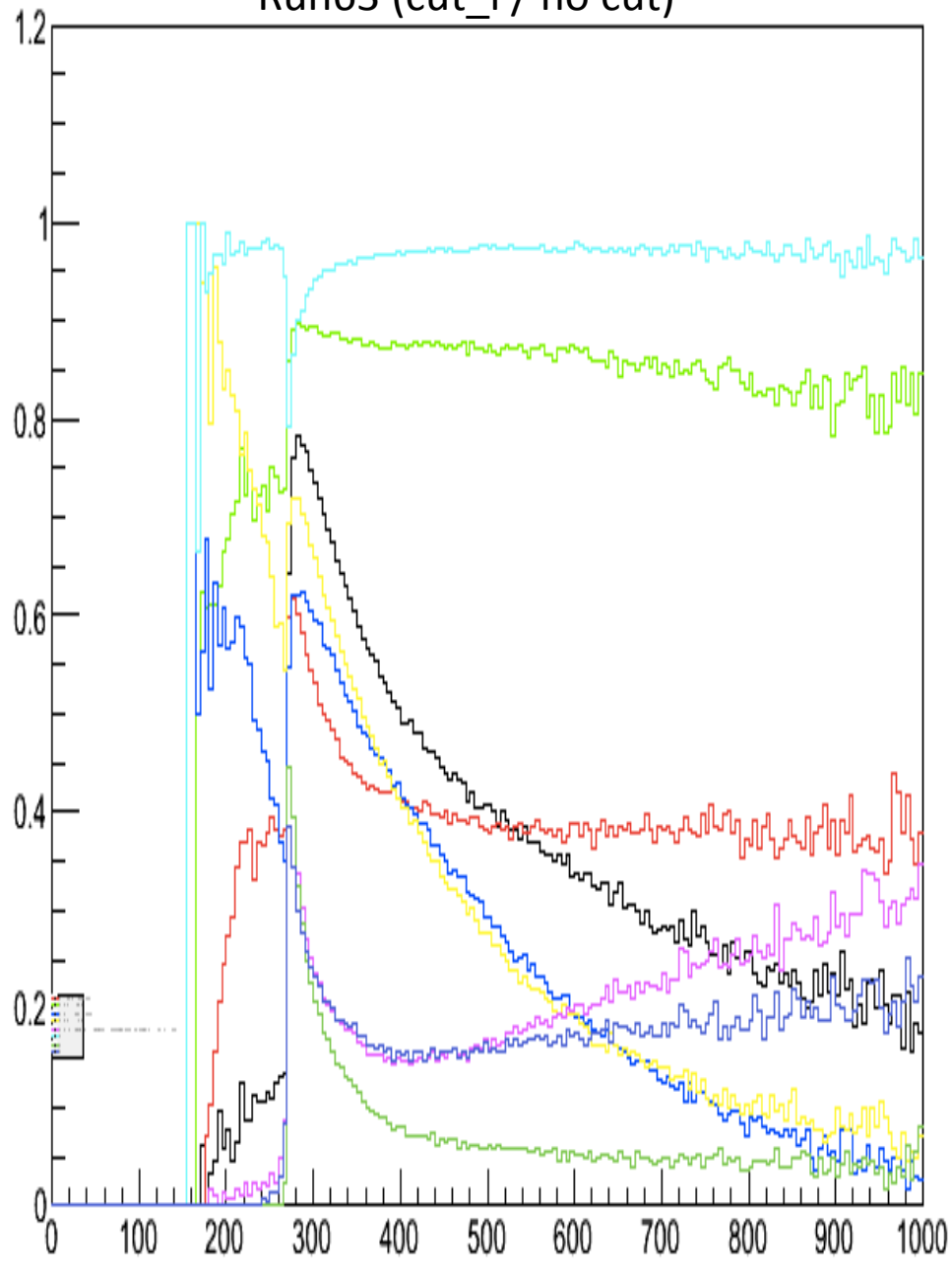
- "Energy cut,  $10\text{MeV} < E < 2000\text{MeV}$ ",
- "Csl Fiducial cut,  $150\text{mm} < R < 850\text{mm}$ ",
- "Distance cut,  $150\text{mm} < d$ ",
- "KL vertex cut,  $3000\text{mm} < \text{vtx} < 5000\text{mm}$ ",
- "KL PT cut,  $PT < 11.1\text{MeV}/c$ ",
- "KL chi2 cut,  $\text{chi}^2 < 3.0$ "
- "KL 2nd chi2 cut,  $\text{chi}^2 < 4.0$ "
- "Pi0 mass cut,  $(134.98 - 5.125)\text{MeV} / \text{MASS} < (134.98 + 5.125)\text{MeV}/c^2$ "
- "Pi0 vtx cut,  $\text{pi0 vtx} - \text{KL vtx} < 100\text{mm}$ "

# Kinematic cut effect

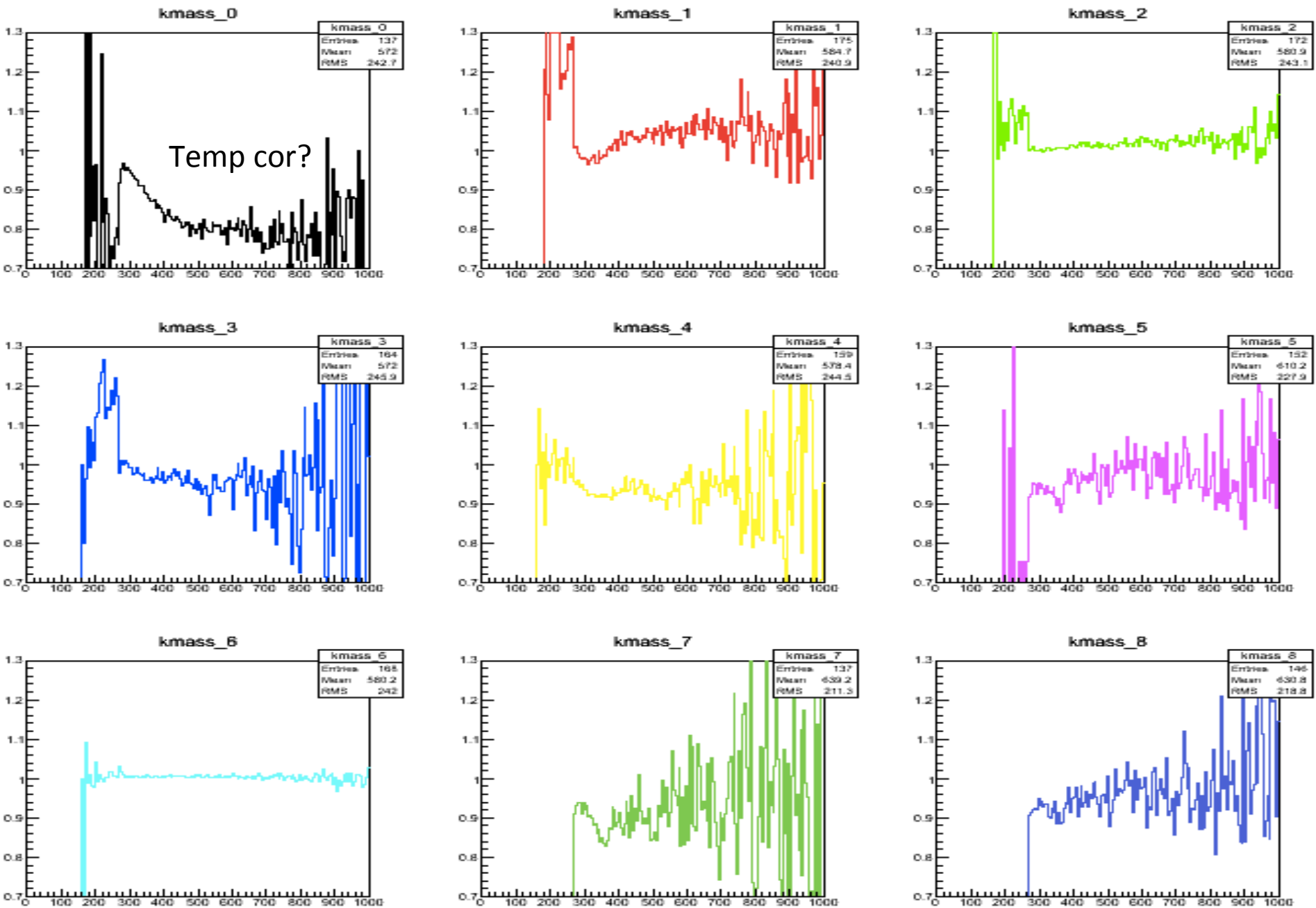
Run69 (cut\_i / no cut)



Run63 (cut\_i / no cut)



# Kinematical cut effect (run63/run69)





# KI mass

run69

run63

