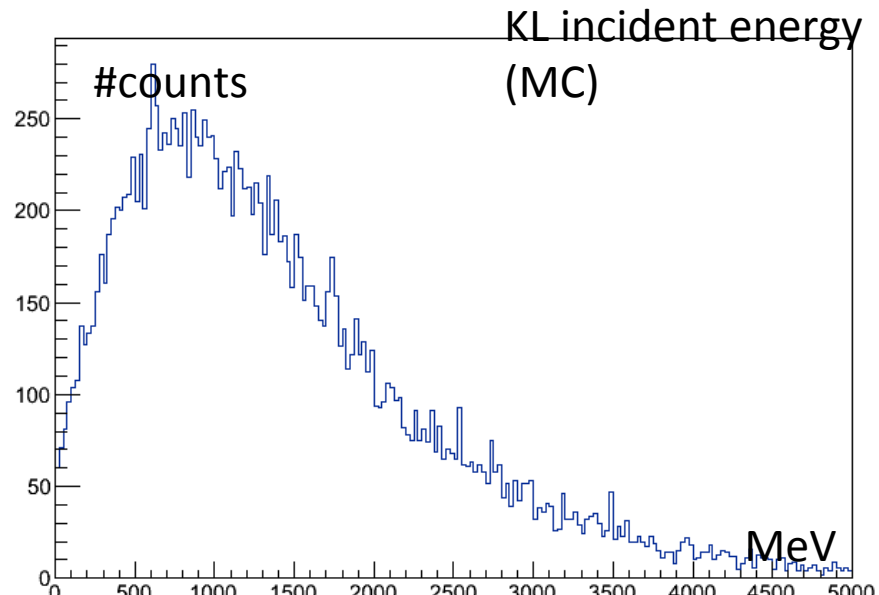


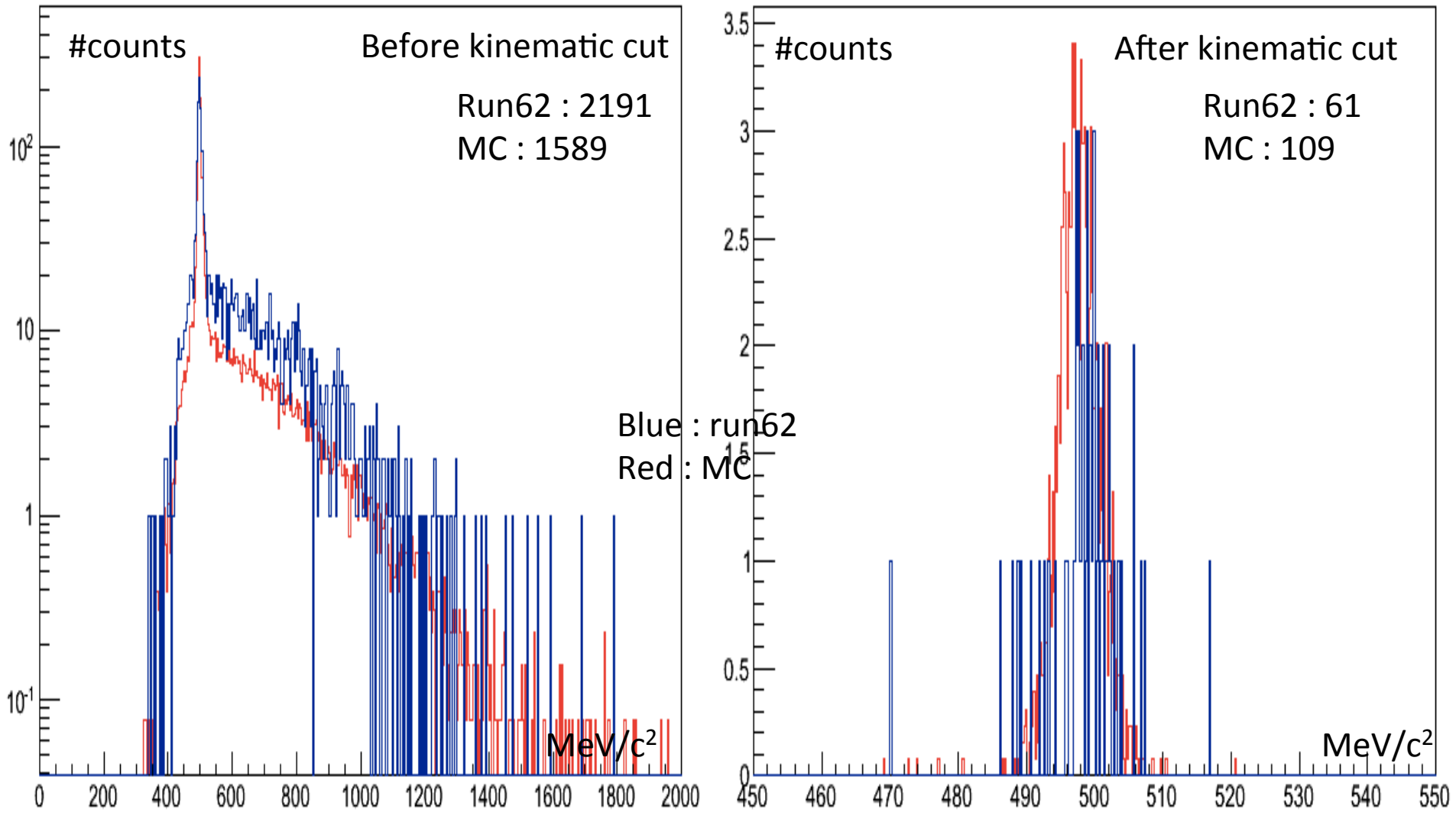
Kl3pi0

Data of run62 and MC

- G6ana data
 - RunID : 18884
 - Select only 1st klong
 - P.O.T. : $2.15e13$ ($6.455e15/300$)
- MC
 - #KLs : $5e7$ ($2.778e14$ P.O.T with ($2e14/3.6e7$))
 - $5e4 * 1000$ (#RandomSeeds)
 - Sato spectrum for kl energy
 - Full detectors(2015 May)
- $MC/Run18884 = 12.9$

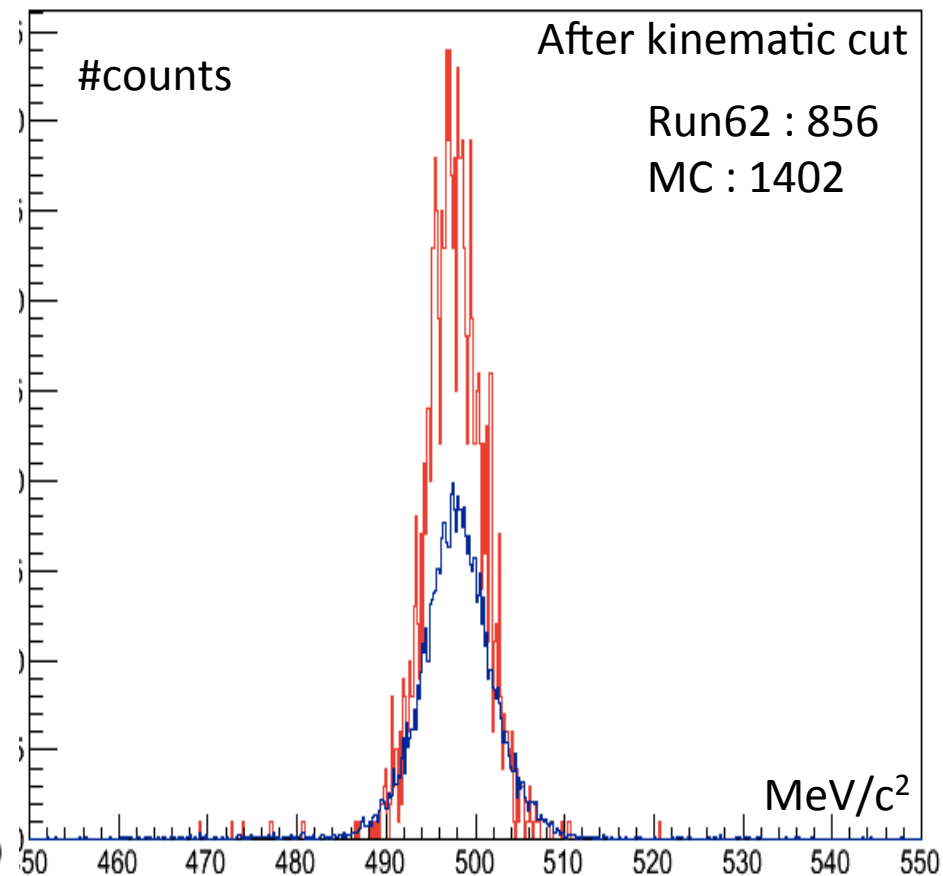
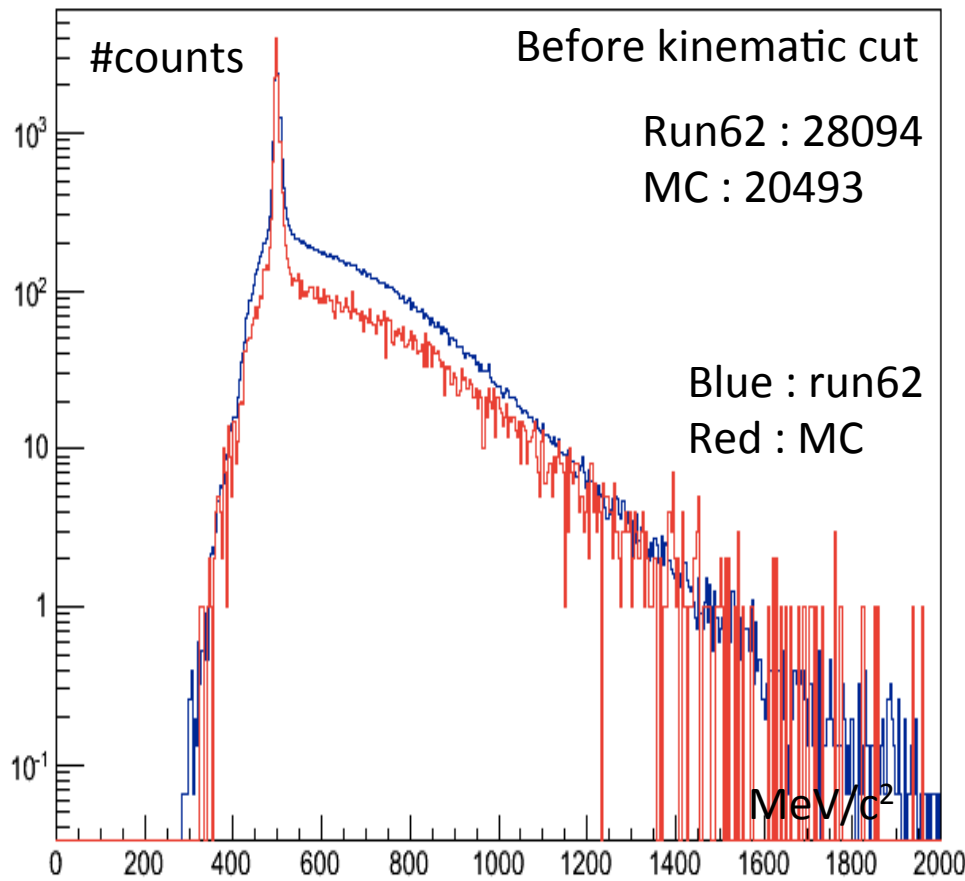


Normalized with run18884



More data (total good run of Run62, 27kW), normalized with MC

- Total P.O.T : $1.276e18$ (/300)
 - For minimum bias : $4.253e15$
 - $\text{Run62/MC} = 15.3$

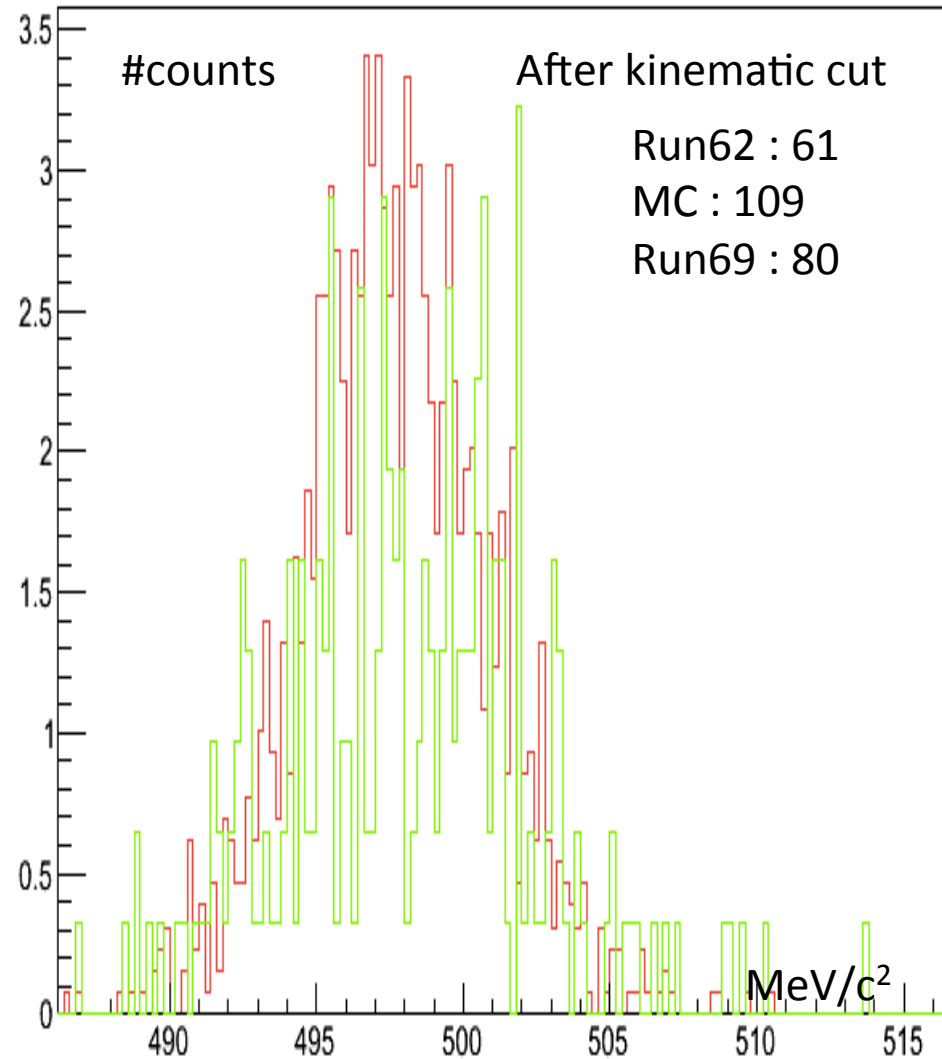
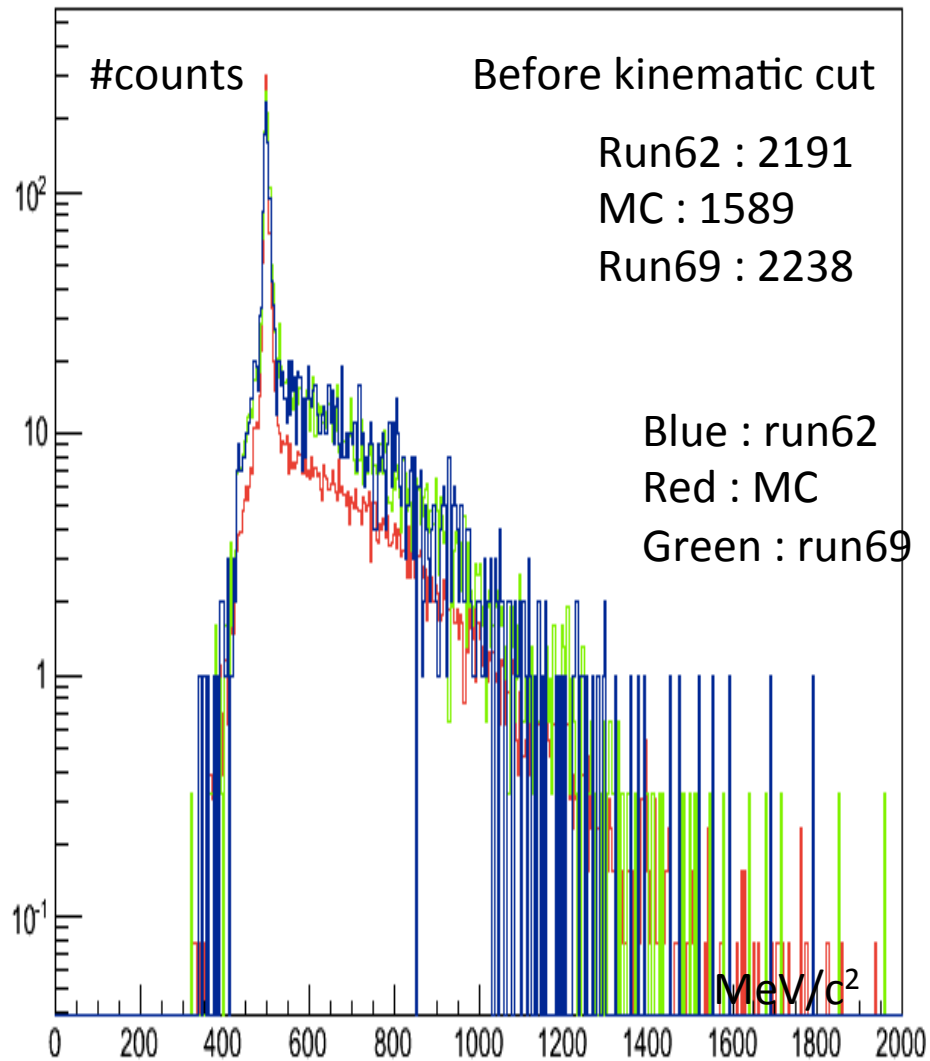


run69 vs Run62

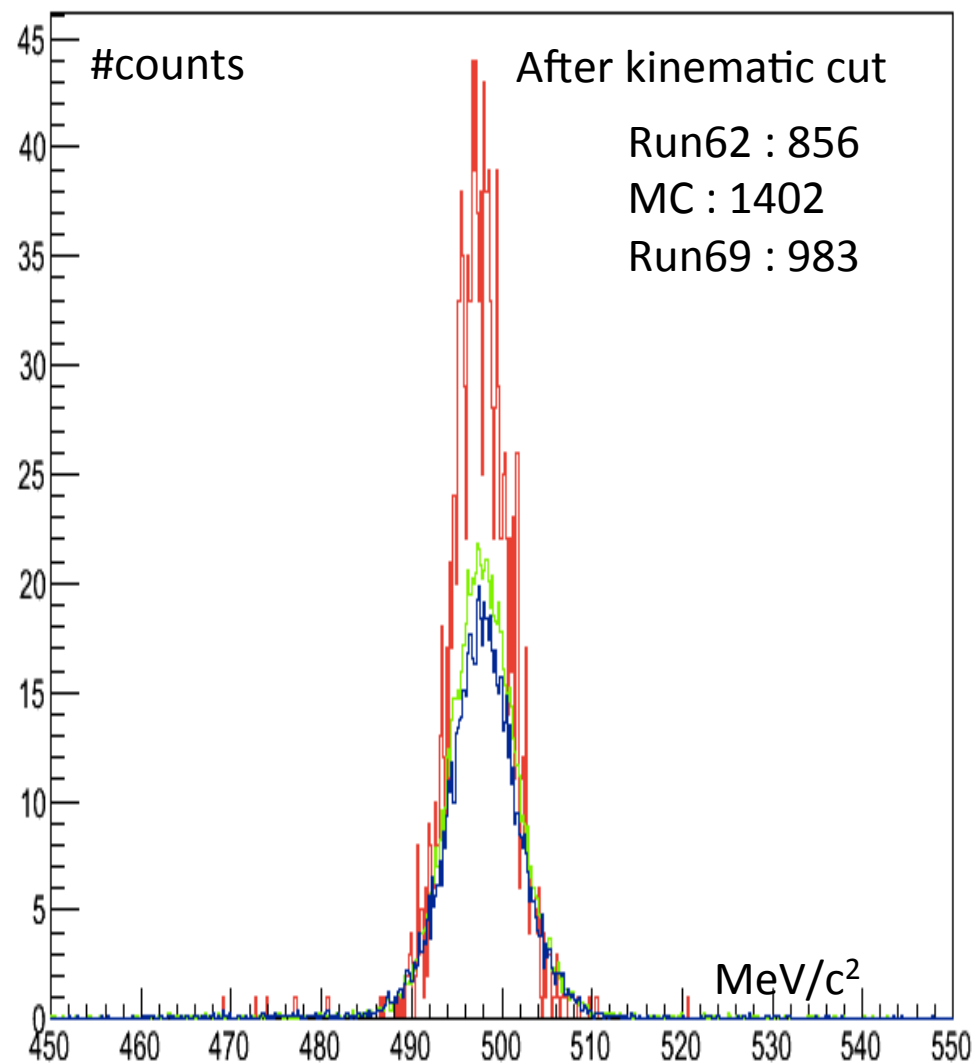
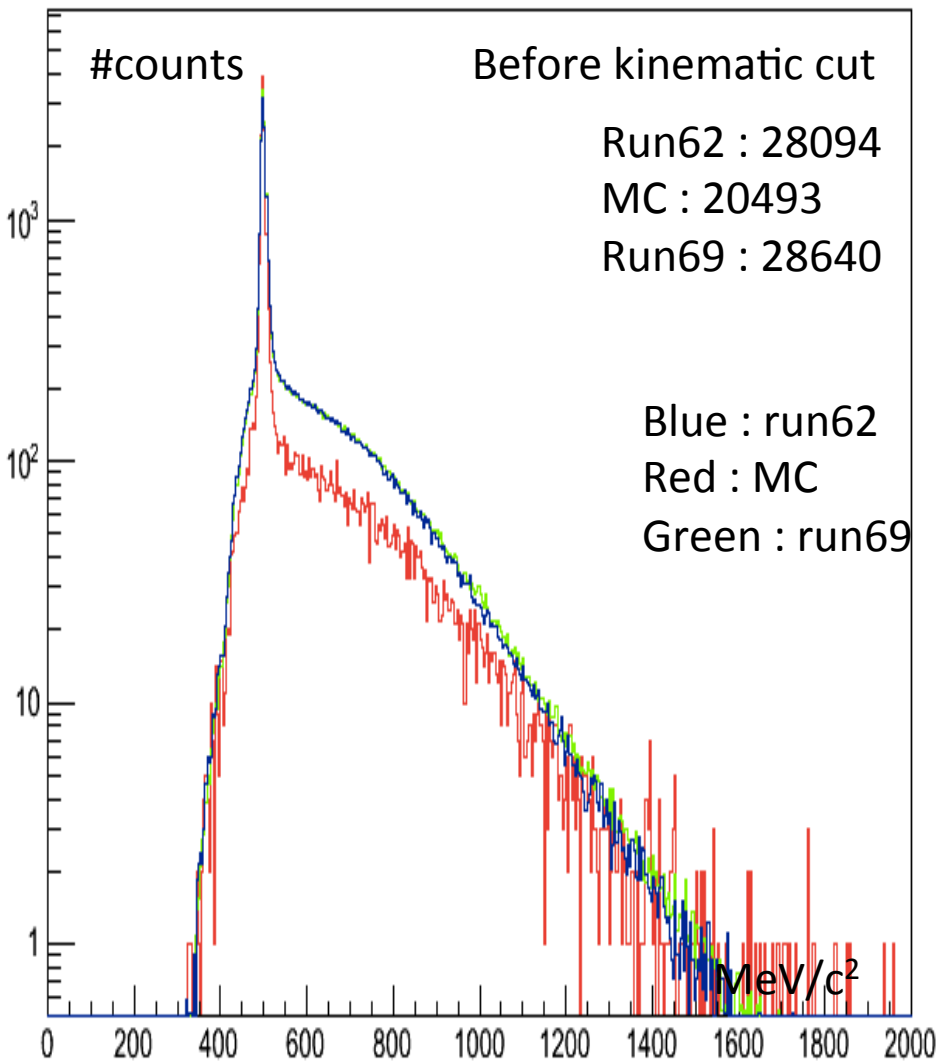
- Run23713
 - P.O.T. : $498949 * 0.98 * 9.54e9 / 70$
 - $6.66e13$
- Run18884
 - P.O.T : $2.15e13$
- Run23713/Run18884
 - 3.098

- Total Run69 / Total Run62
 - $7.393e15 / 4.253e15$
 - 1.74

Run23173, Run18884 and MC comparison, normalized with run18884



Total run62, Total run69 and MC comparison, normalized with MC



Discrepancy between MC and data

- Accidental effect?
 - No accidentals in MC
- Kinematic cut check