Offline analysis status

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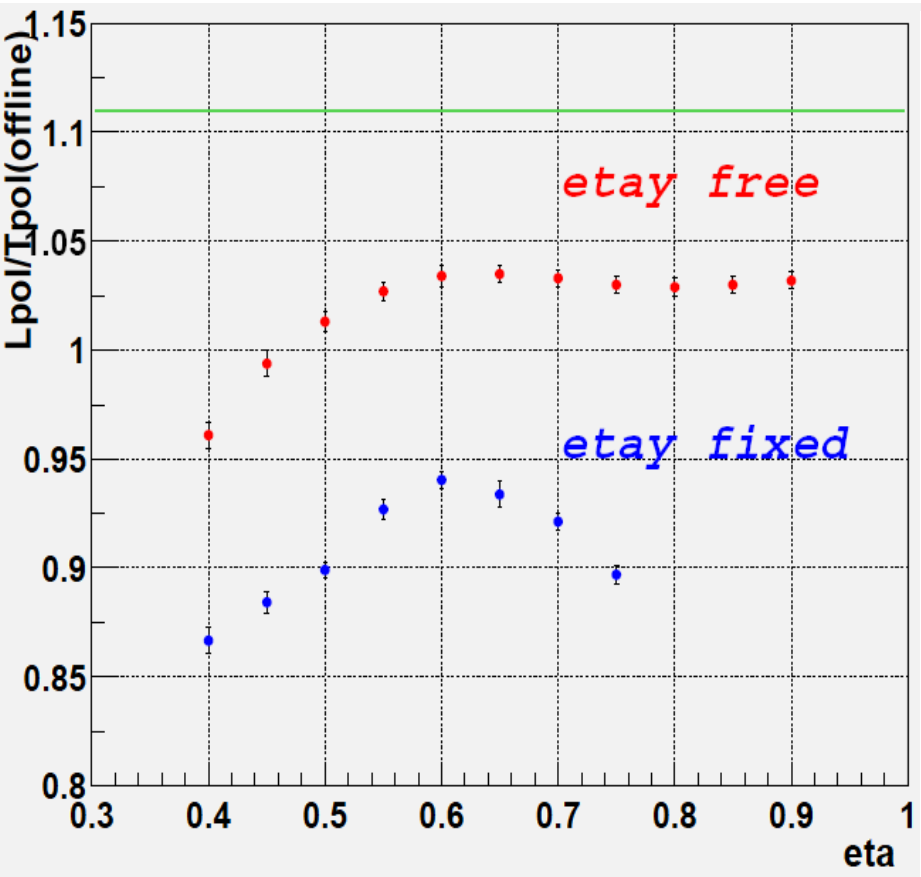
Outline

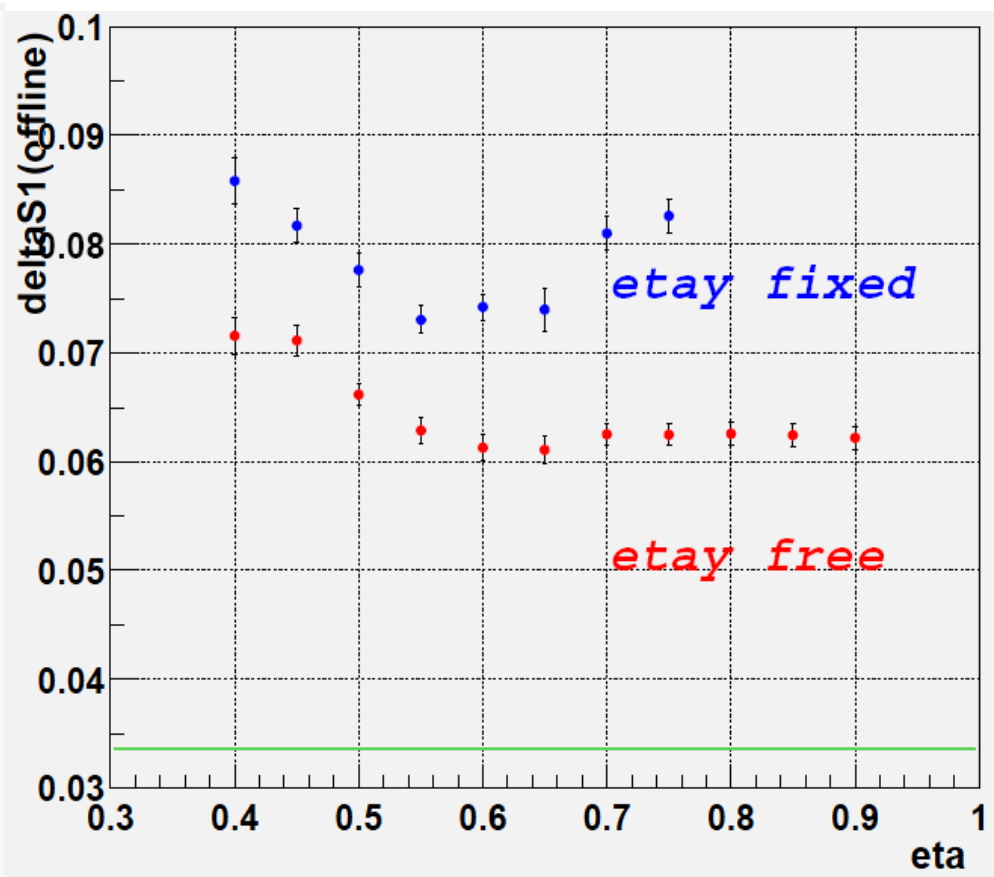
- Comparison eta-y free & fixed
  - Study on the eta-range dependence
  - LPOL/TPOL vs beam size
- Summary & future

eta-range dependence

- Source of eta-y parameters
  - 1st.Mar.2004
  - 25th.Feb.2004
    - Extract parameters from silicon data.
- CAL data sample
  - 1st.Mar.2004
  - 25th.Feb.2004

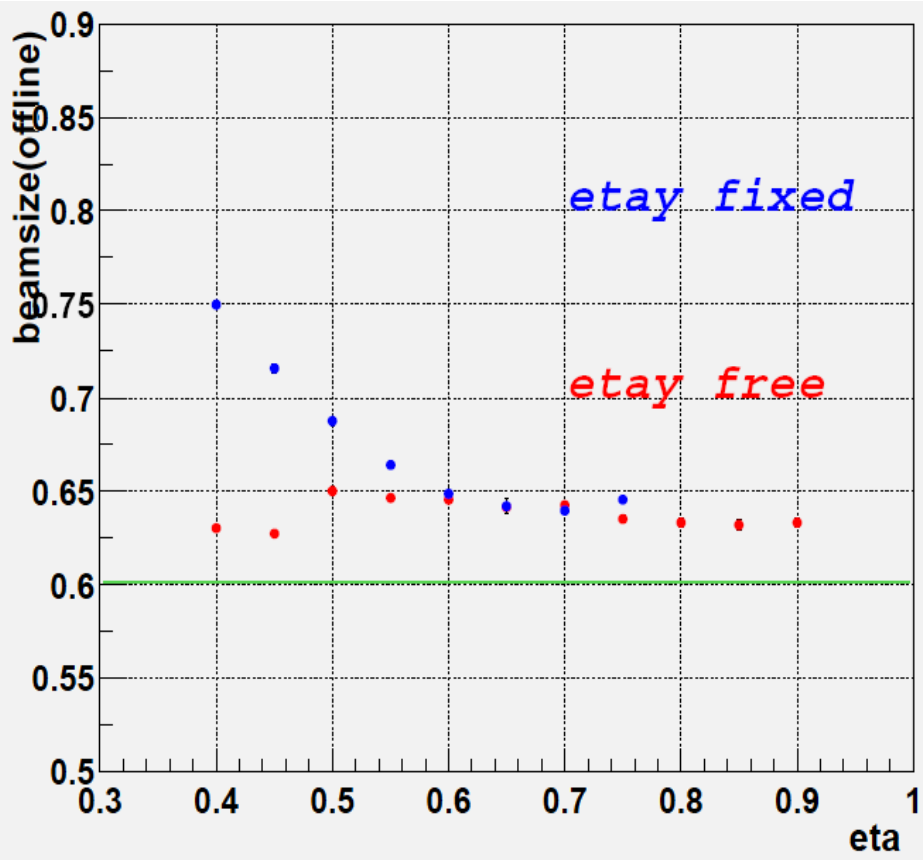
1st.Mar.2004

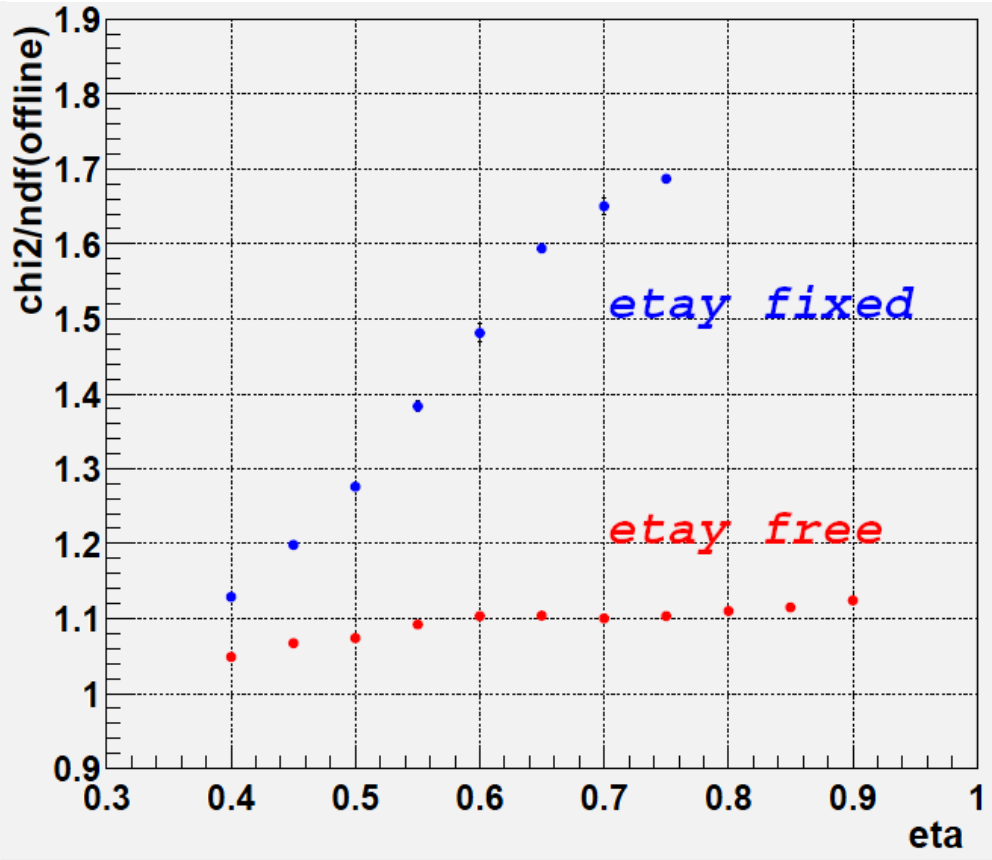




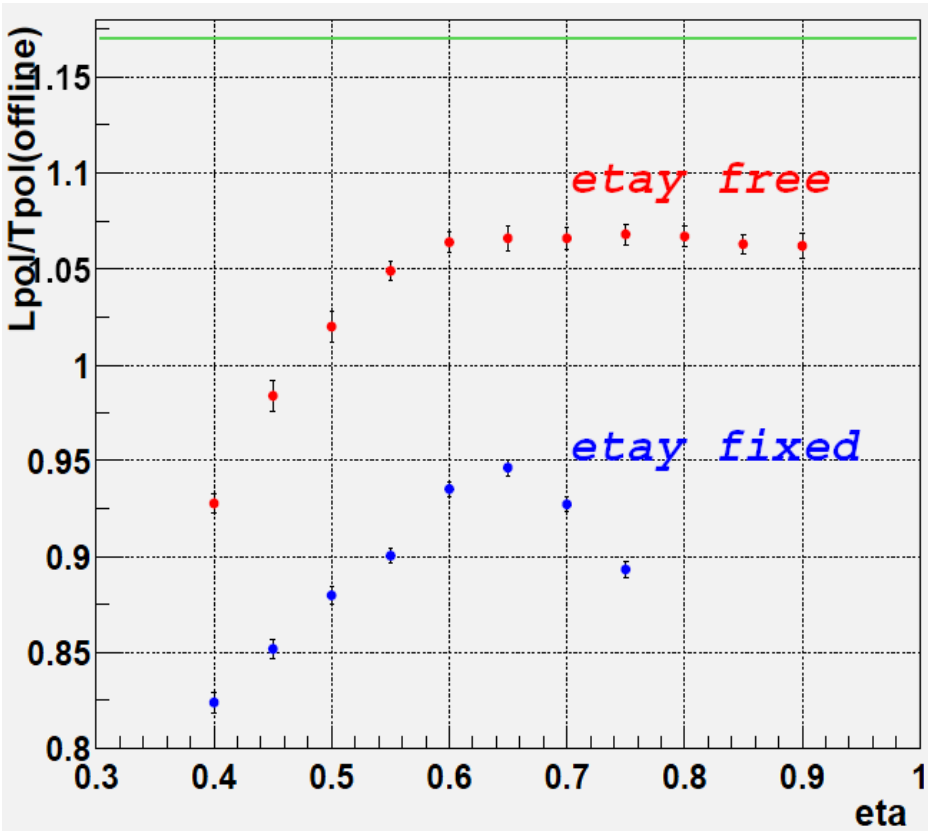
The new offline method is unstable with eta-y parameters fixed.

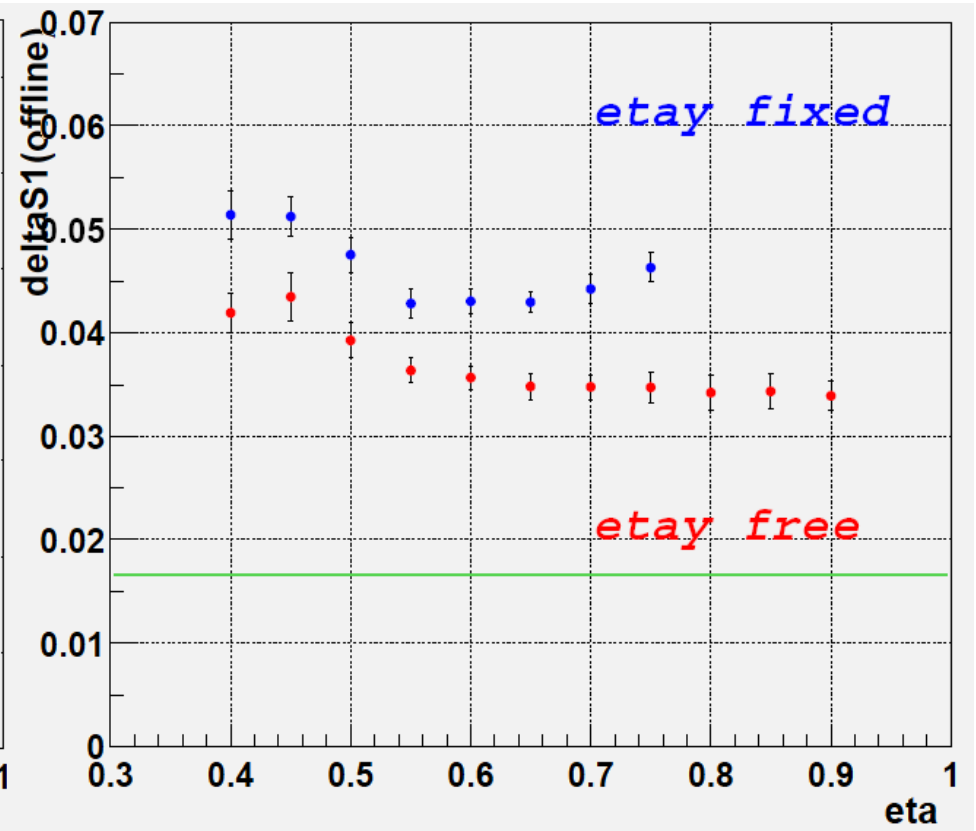
1st.Mar.2004


beamsize(offline)
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
eta
etay fixed
etay free

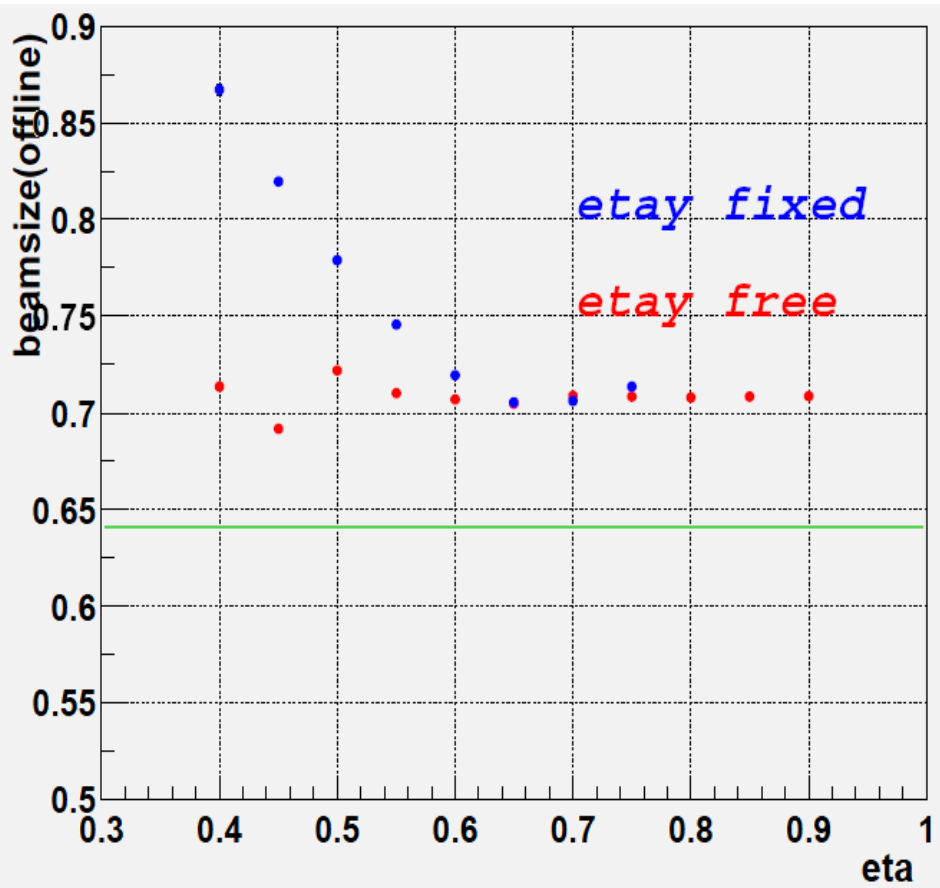

chi2/ndf(offline)
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
eta
etay fixed
etay free

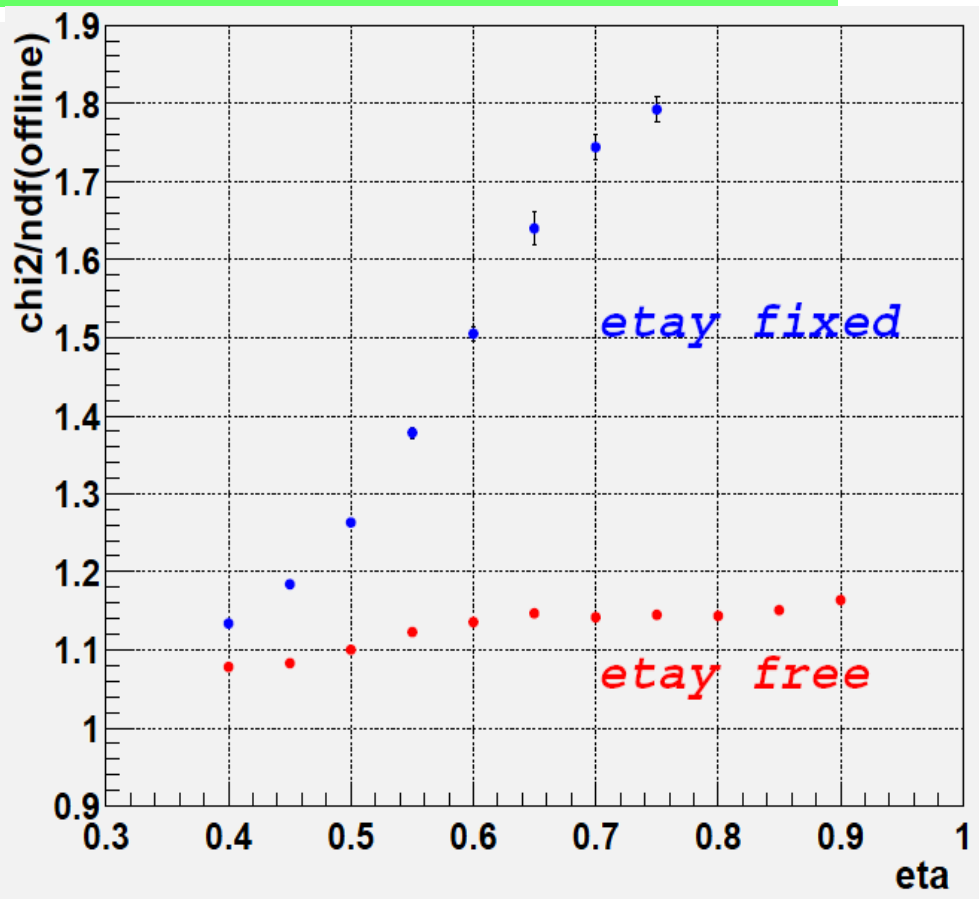
25th.Feb.2004



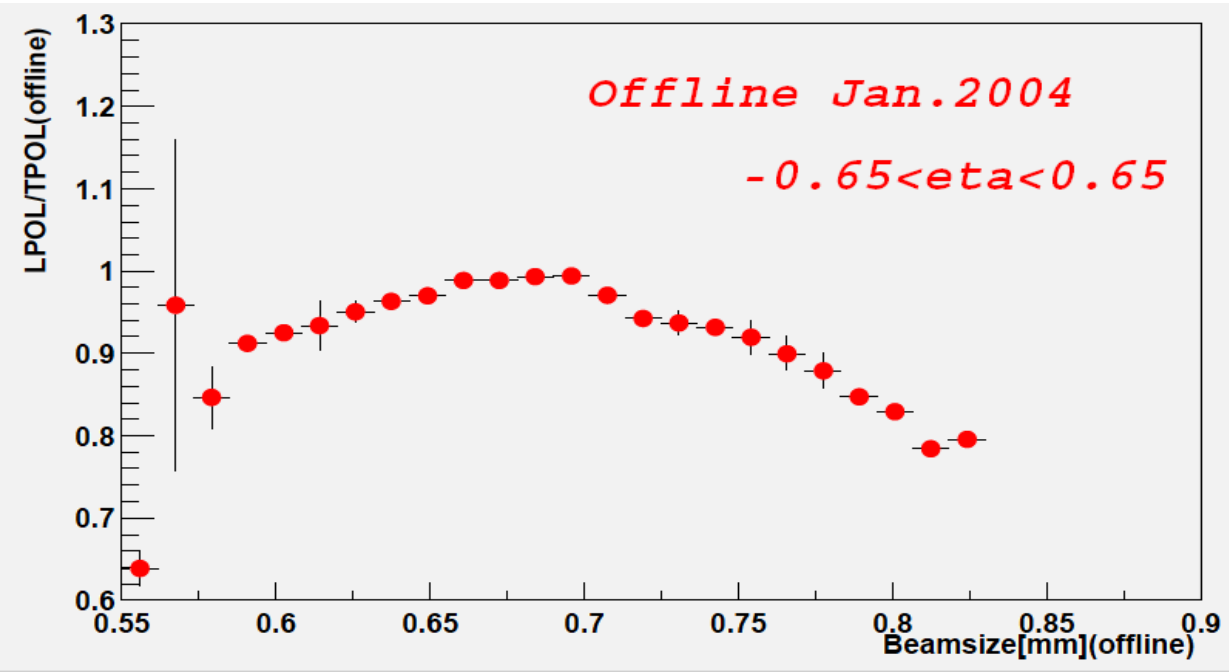


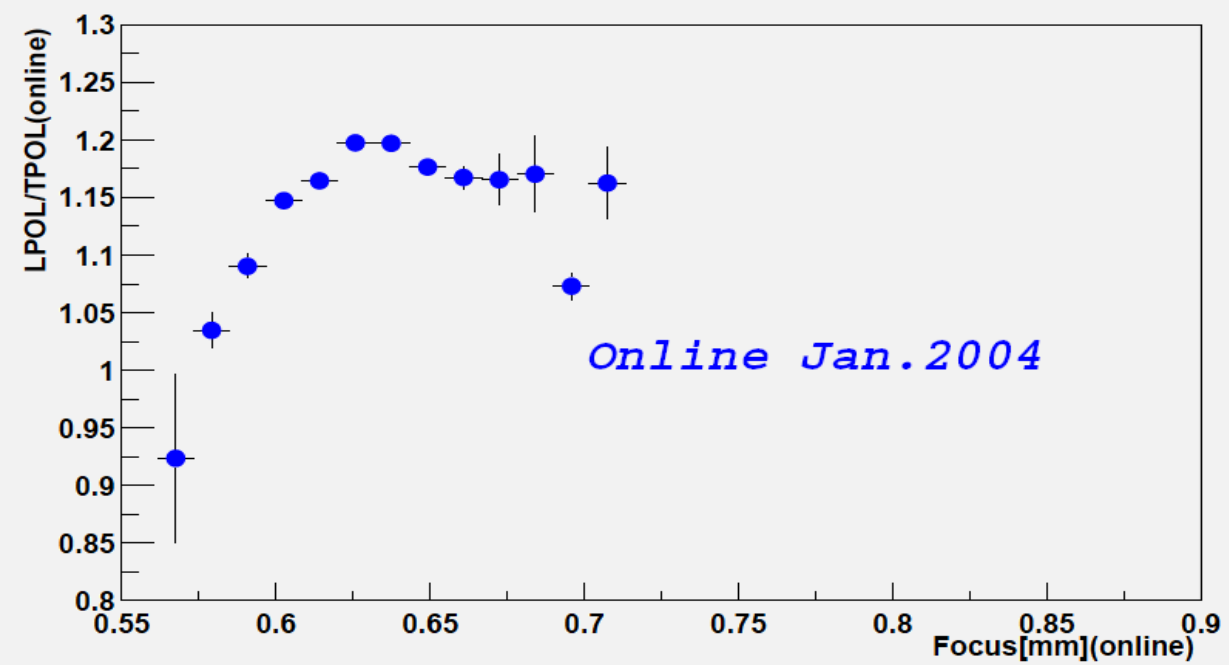
25th.Feb.2004



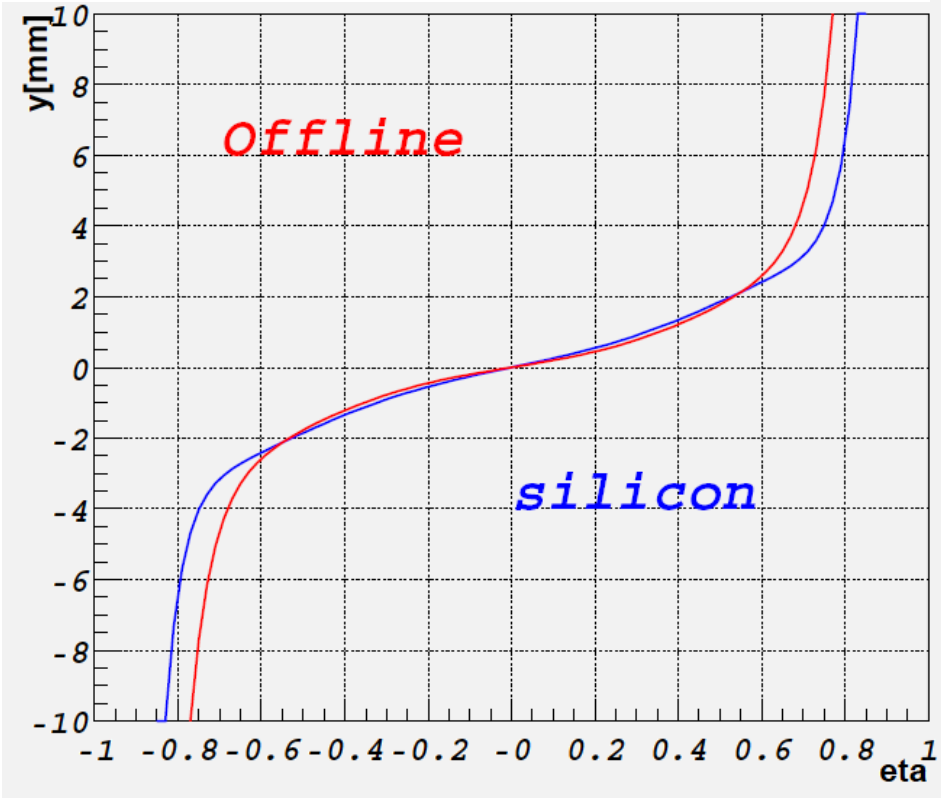


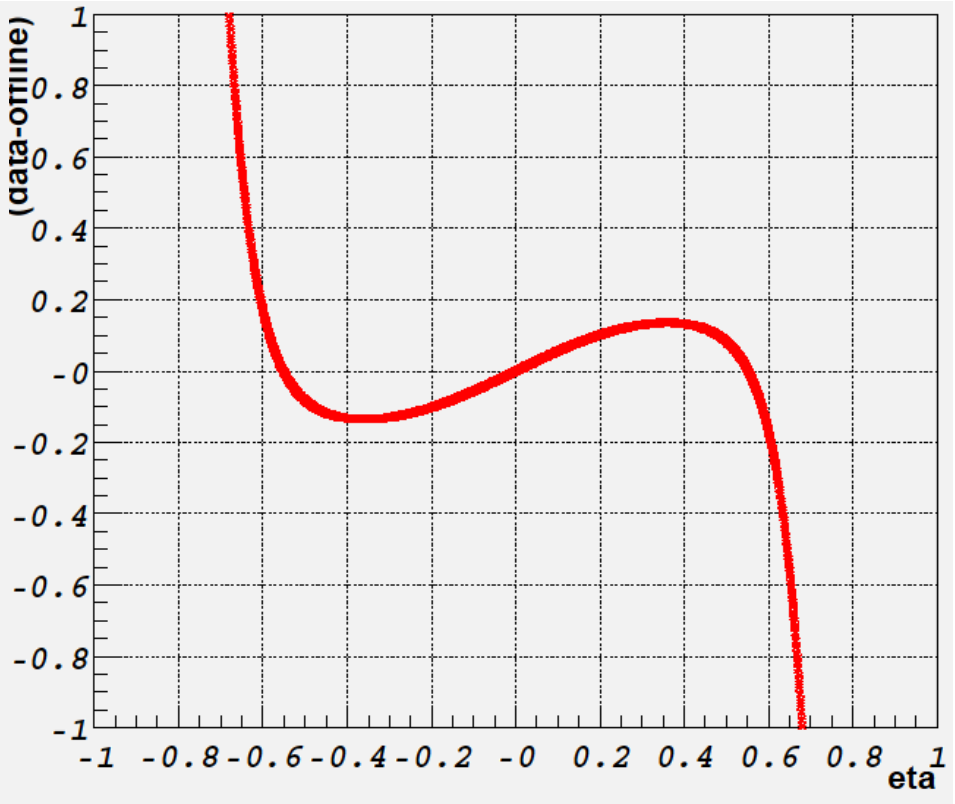
For both CAL data, the method is unstable.





Even when eta-y parameters are fixed, the new method can not absorb beam size dependence.





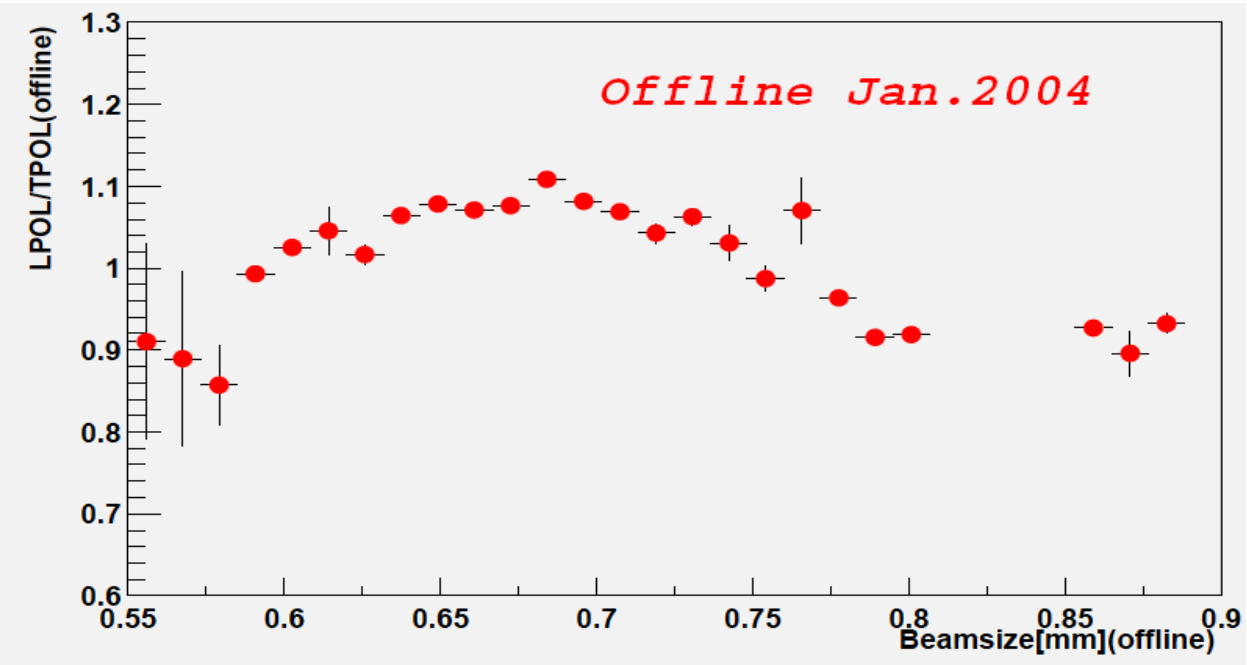
In all eta-range, these two curves are different.

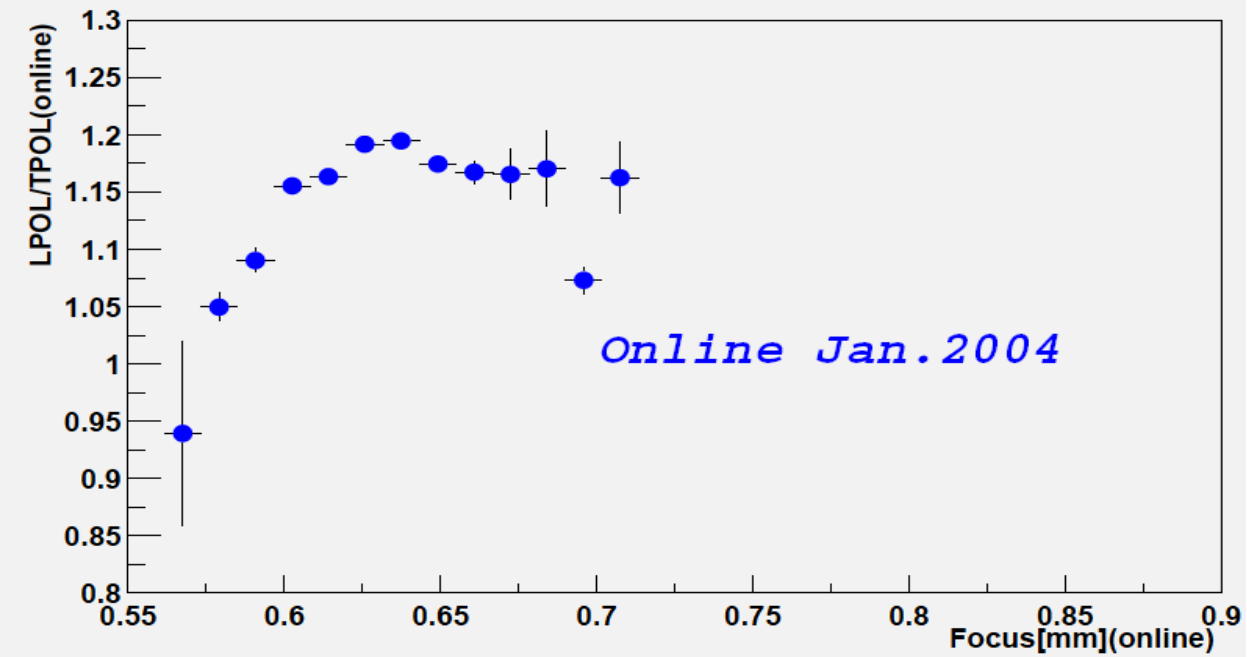
That seems to cause the instability of the method.

→ Try to table scan, and needed more study.

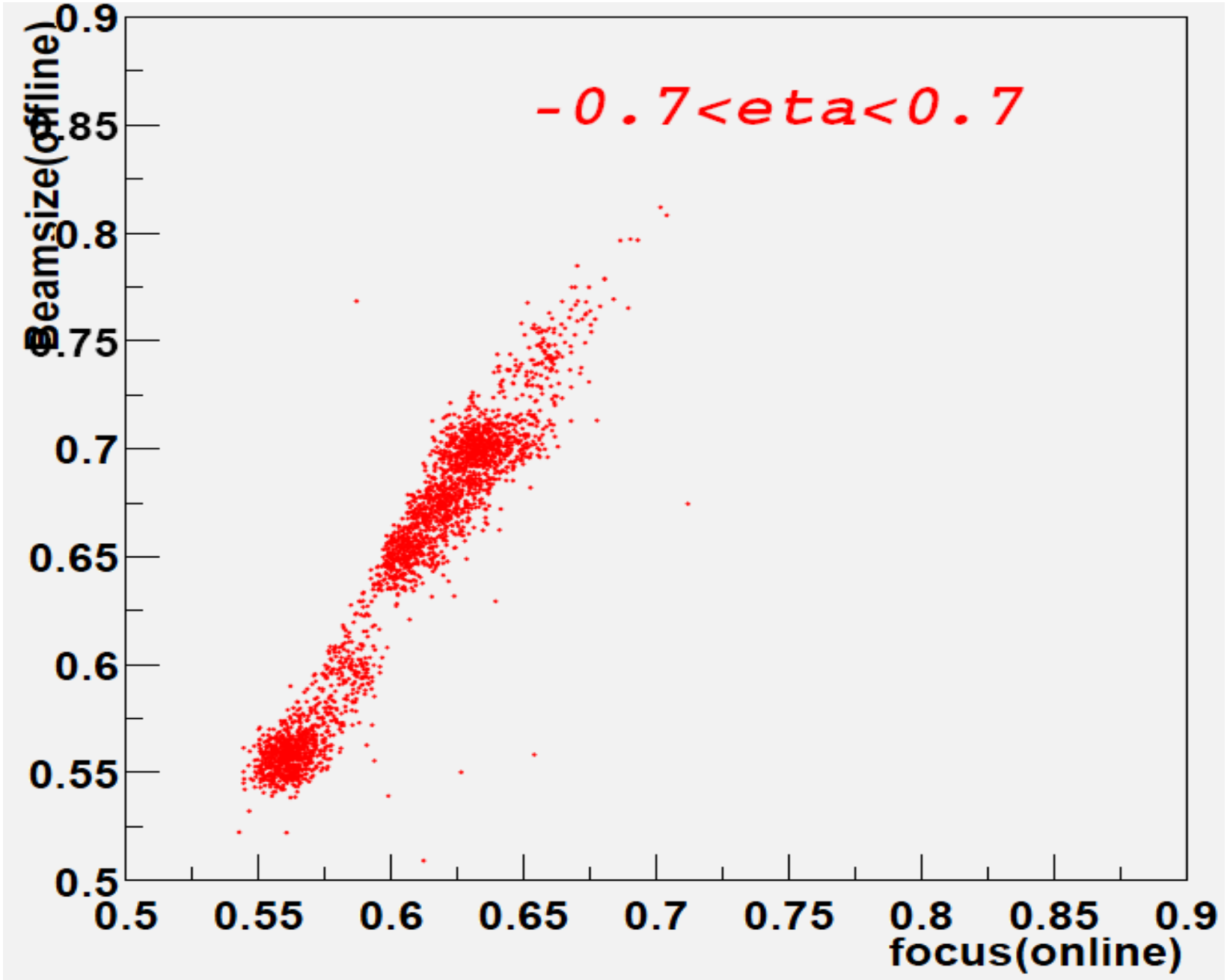
Summary & Future

- The new method is unstable even when eta-y parameters are fixed.
- In both cases, these parameters are fixed and free, there still exists beam size dependence.
- Is it necessary to fix other parameters?→which parameter?
- To check stability with table scan.





With eta-y free, the new offline method can not absorb beam size dependence yet.


-0.7<eta<0.7
Beamsize(offline)
focus(online)
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.5
0.55
0.6
0.65
0.7
0.75
0.8
0.85
0.9