Last Week Report --Siqi Li

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Involve BDT to Reduce Deviation

 I selected data with standard BDT> 0.6695





Fit Failed





Reason

 Correlation between mγγ and BDT is 18% (Background)



Graph of myy Background (BDT> 0.6695)





What to do next

- Edit variables in BDT to reduce the correlation
- Do a two dimensional fit



Conclusion

- Filter out that we only need to consider e2e2 background with full simulation data
- Selected data
- Choose variables and put it in MVA
- Delete variables which have high correlation value
- Tried two dimensional fit and failed
- Finished one dimensional fit
- Tried to see if BDT can reduce deviation



Thank you~~