



山东大学
SHANDONG UNIVERSITY

Department of Physics, Shandong University

Weekly meeting

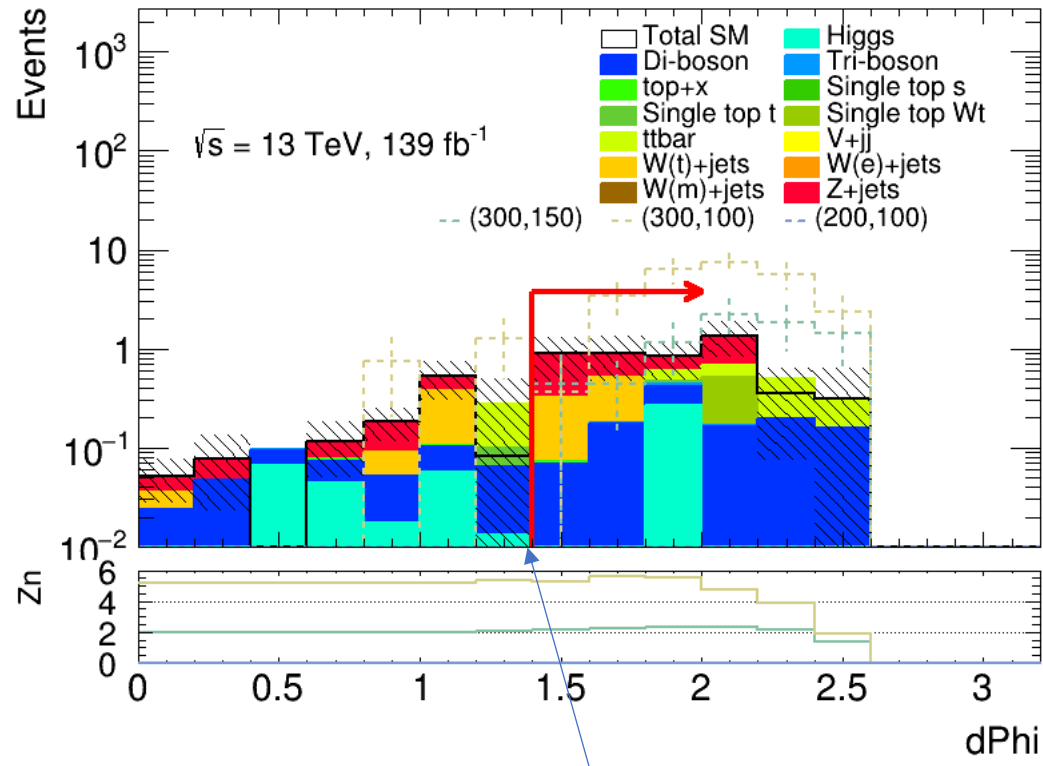
Chengxin LIAO

Wed, Sep 11, 2024

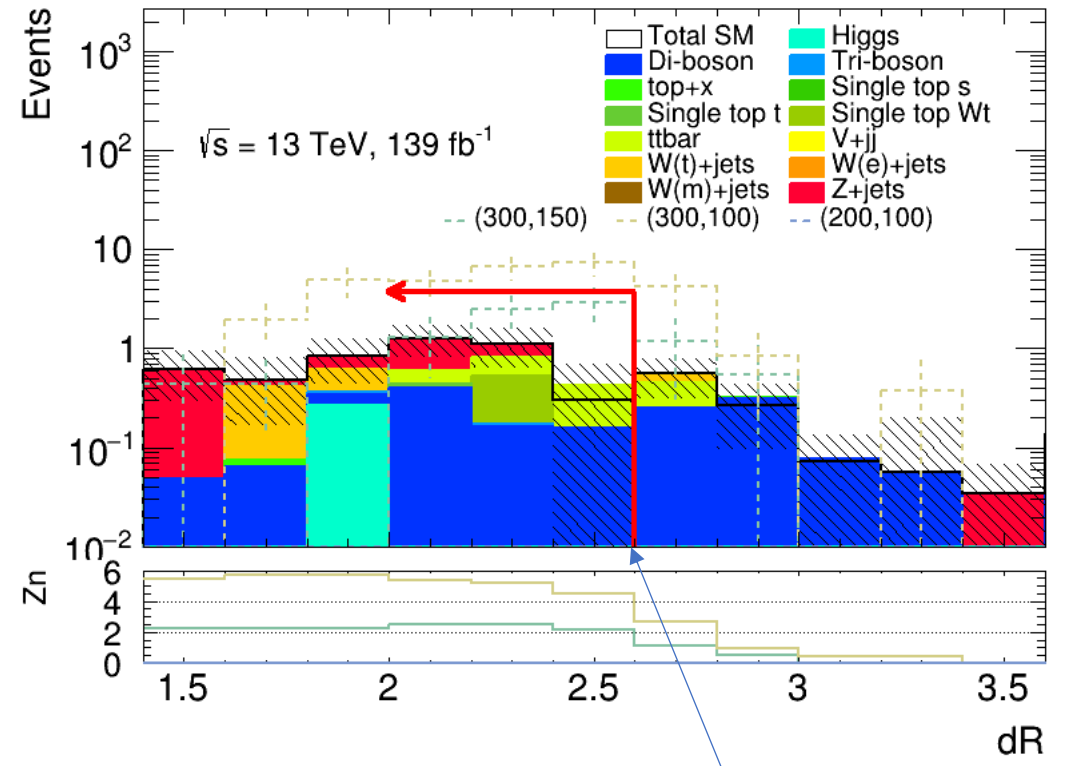


Adjust cut&count result

B-veto	MET	Minvtt	MT2	2 medium tau	OS	dPhitt	dRtt	baseline	trigpass
✓	[60,150]	> 125	> 80	✓	✓	> 1.4	[0, 2.6]	✓	✓



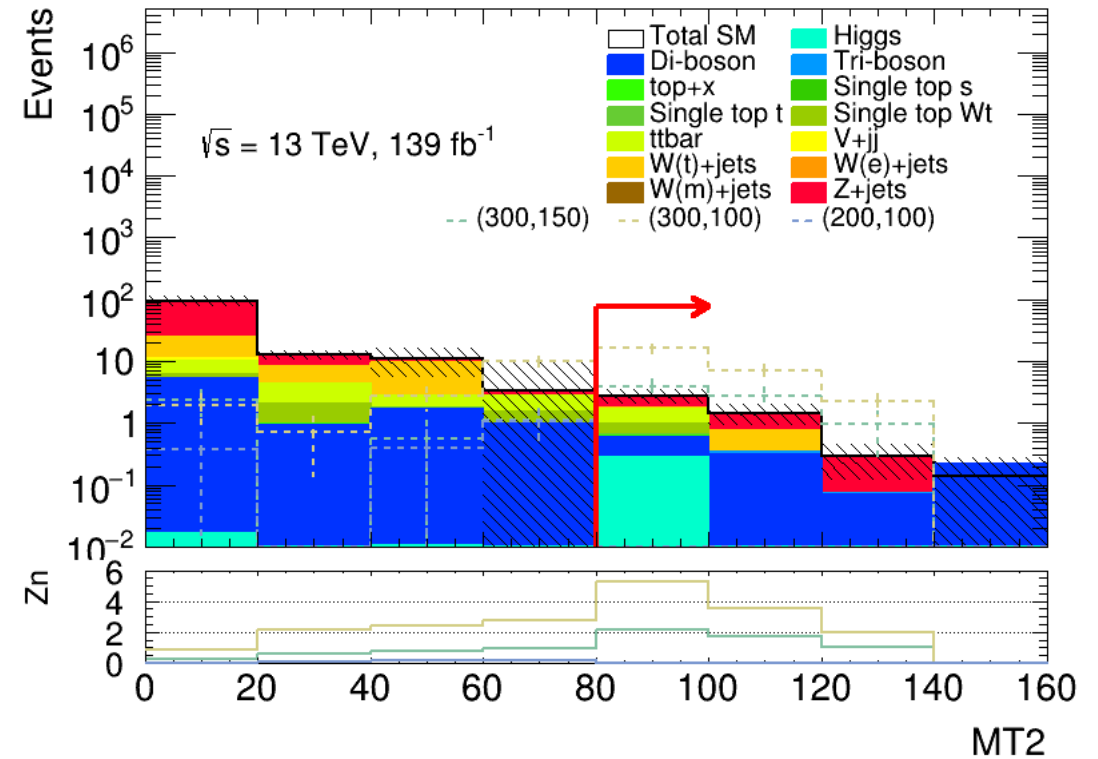
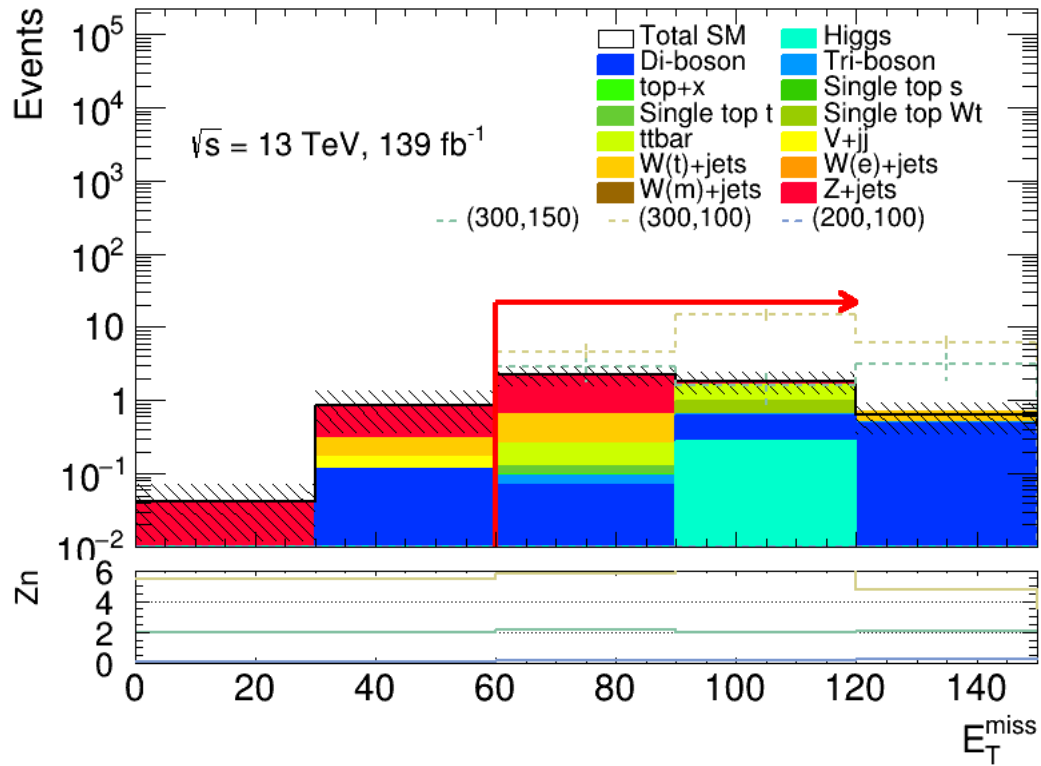
1.4



2.6

Adjust cut&count result

B-veto	MET	Minvtt	MT2	2 medium tau	OS	dPhitt	dRtt	baseline	trigpass
✓	[60,150]	>125	>80	✓	✓	>1.4	[0,2.6]	✓	✓



Event yields in SR

B-veto	MET	Minvtt	MT2	2 medium tau	OS	dPhitt	dRtt	baseline	trigpass
✓	[60,150]	>125	>80	✓	✓	>1.4	[0,2.6]	✓	✓

Process	SR-C1C1-LM
W+jets	0.43+-0.49591087079902685
Z+jets	1.92+-0.6085703690563284
MultiBoson	0.94+-0.2367237000515398
TopQuark	1.10+-0.47653763607698096
Higgs	0.28+-0.26748083058129857
SM total	4.67+-1.04142580775137