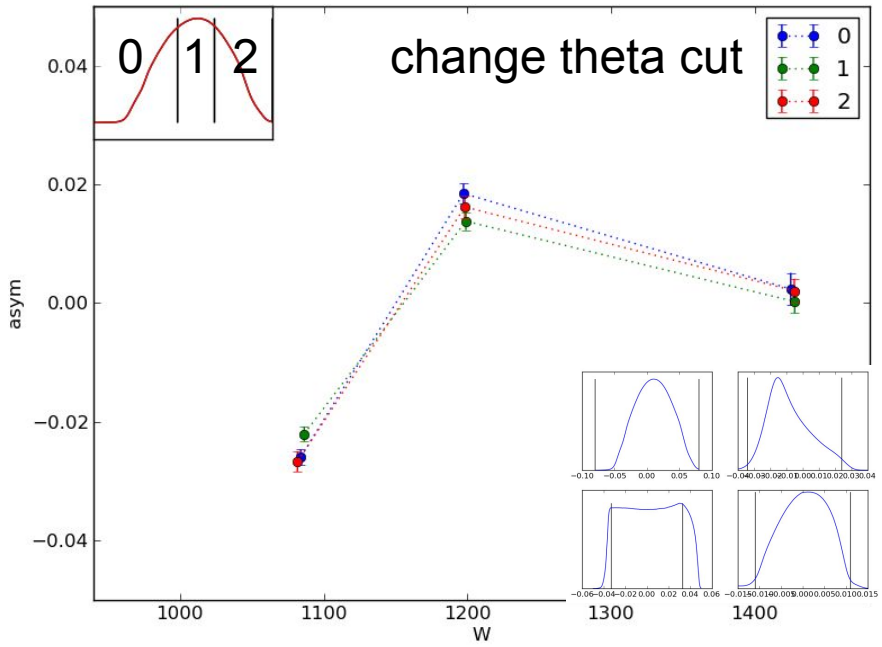
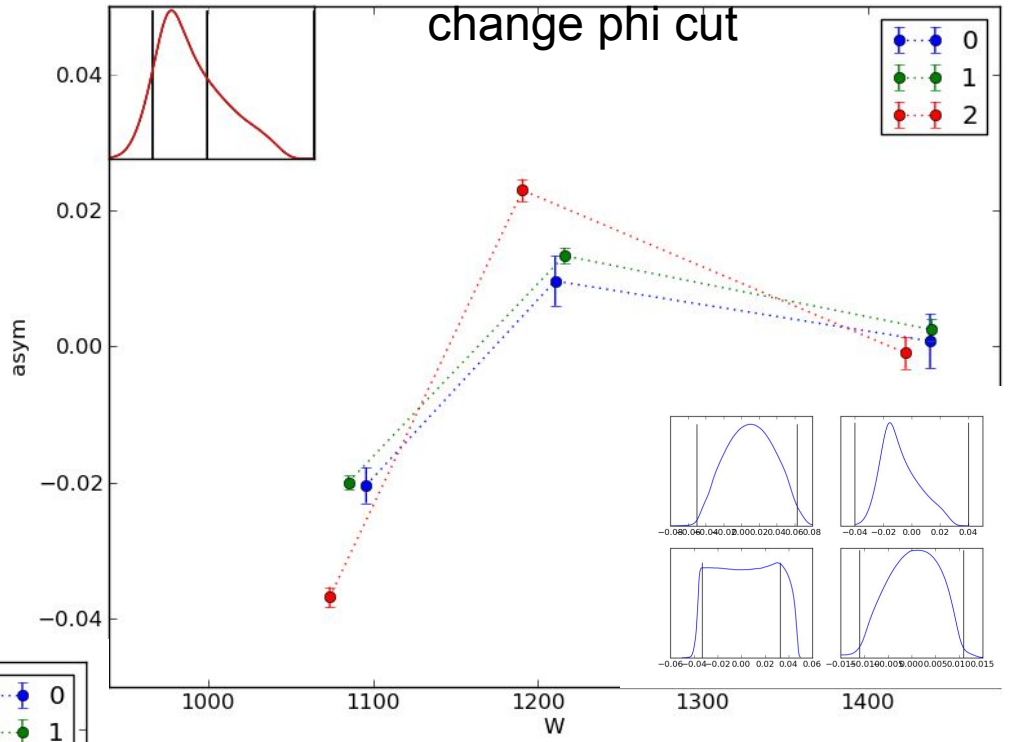
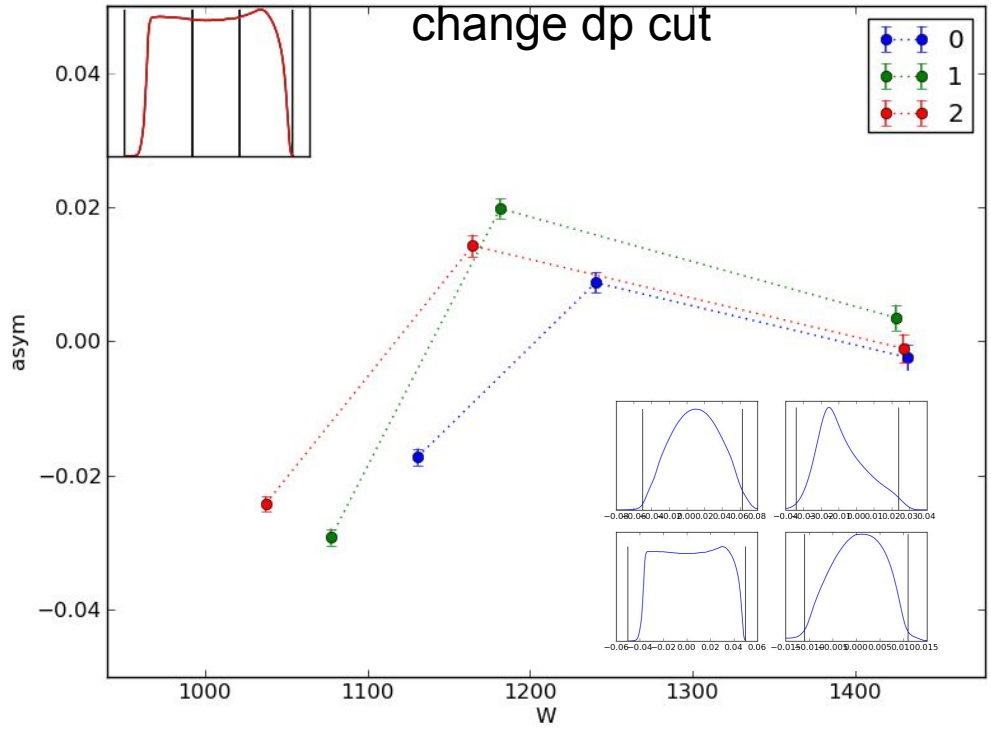
asymmetry for different acceptance cut

Pengjia Zhu







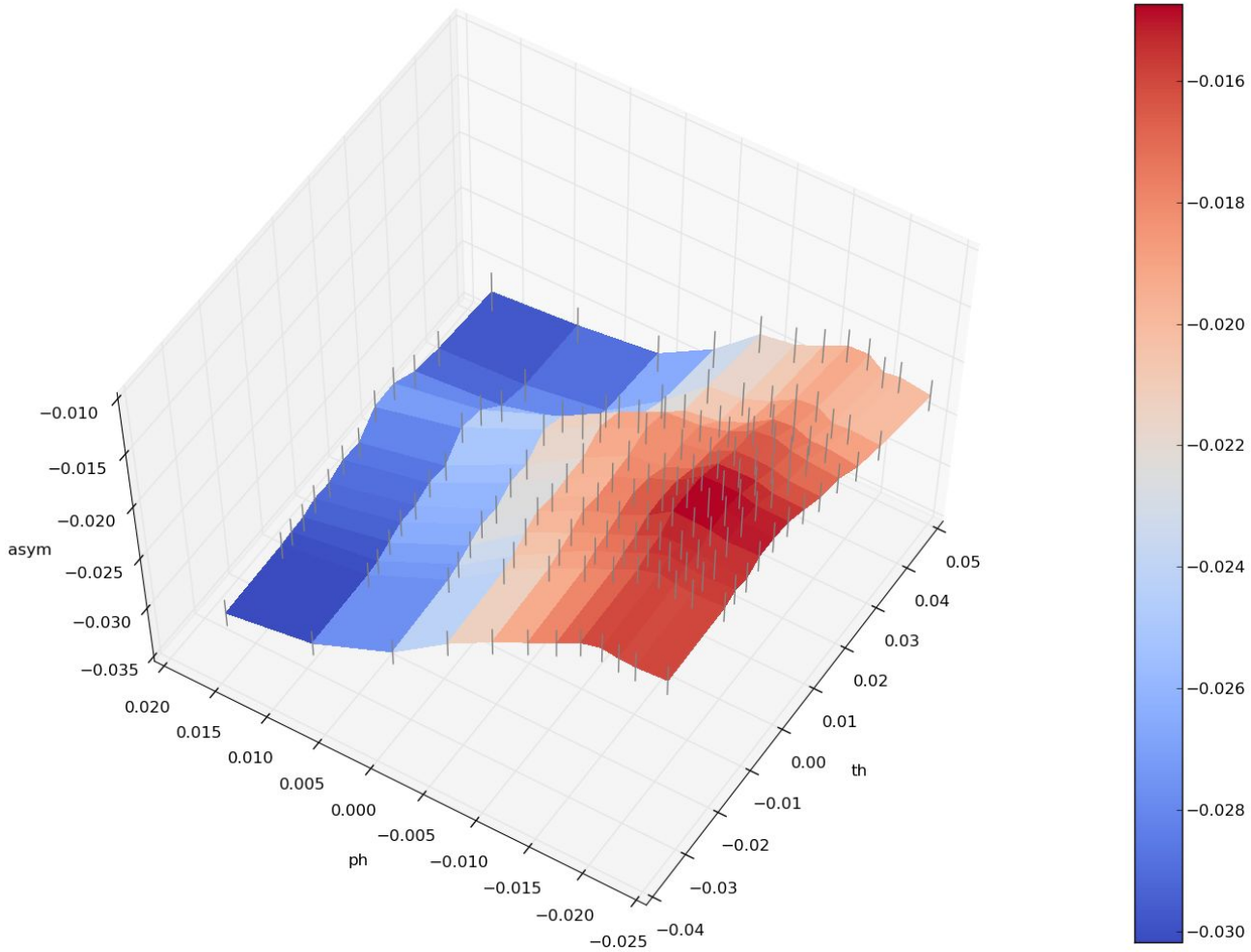
Runs used:
5T longitudinal
Run Status=1
Run Quality>0

W range:
1.940-1150
2.1150-1280
3.1280-1500

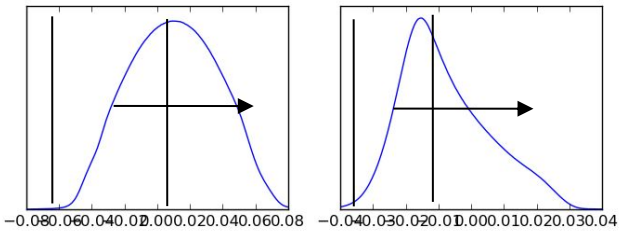
dilution factor used: 0.15
ignore dilution difference between material 17 and 18

acceptance cut variables in target plane coordinate:
L.rec.dp
L.rec.theta
L.rec.phi

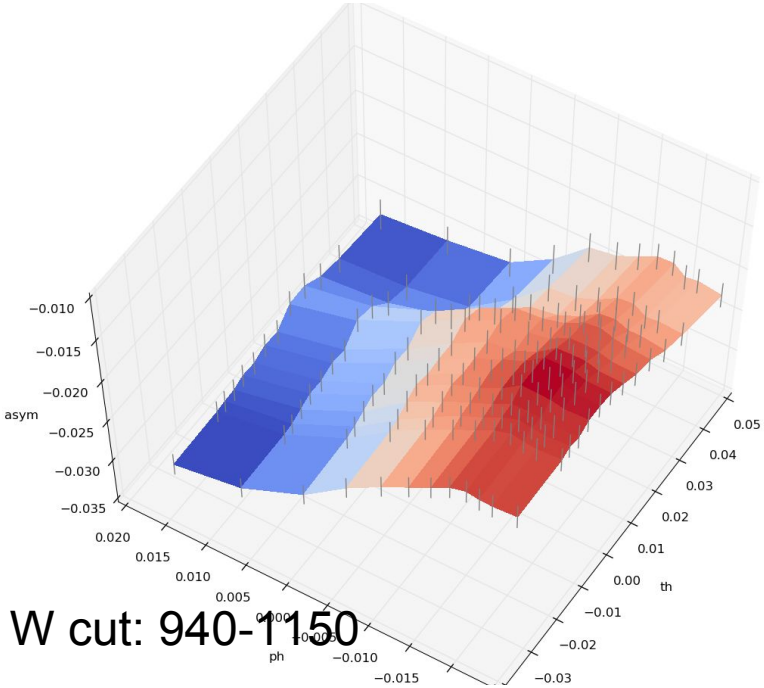
3D acceptance cut relationship -- example



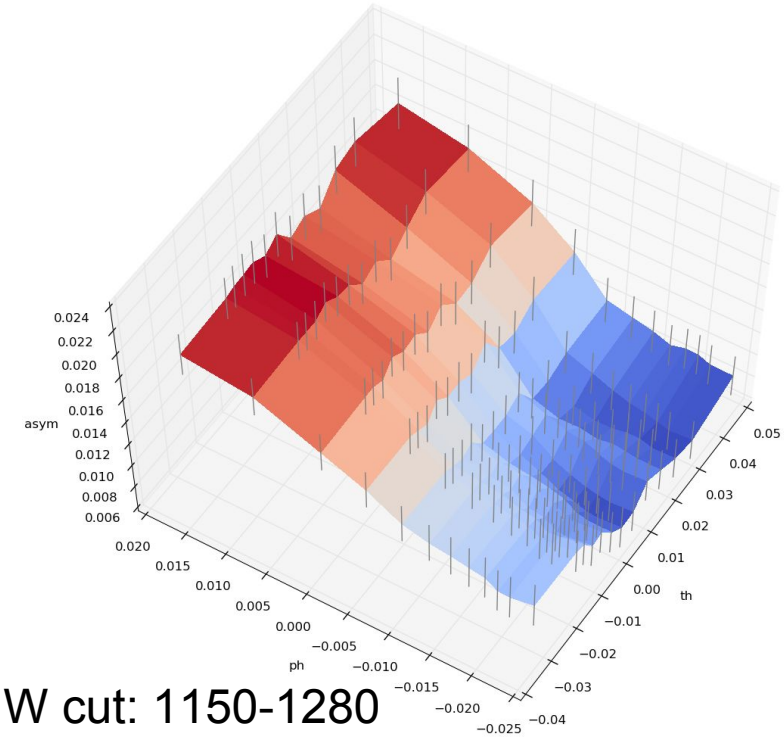
W cut: 940-1050
th axis: center value of a th range with 50% data
ph axis: center value of a ph range with 50% data
dp,y,x:no cut



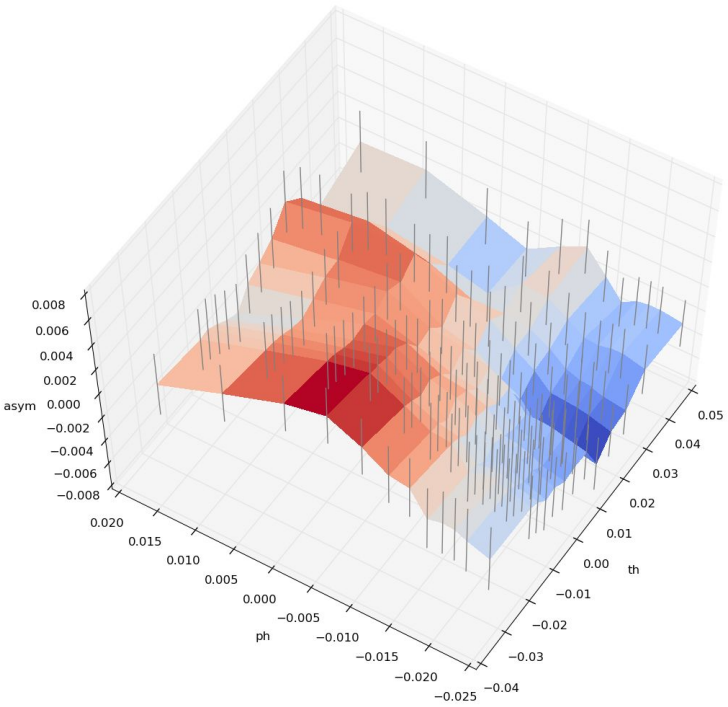
theta vs phi



W cut: 940-1150



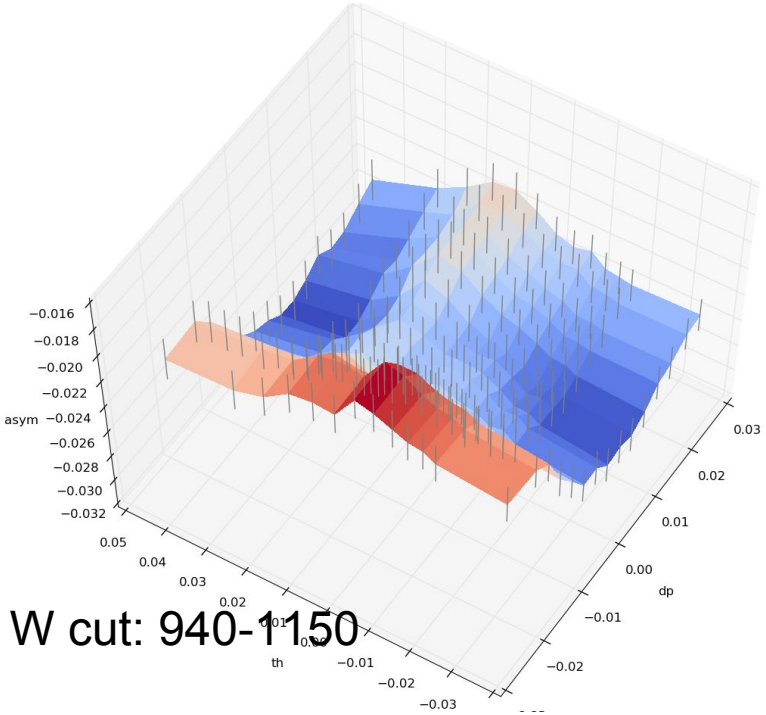
W cut: 1150-1280



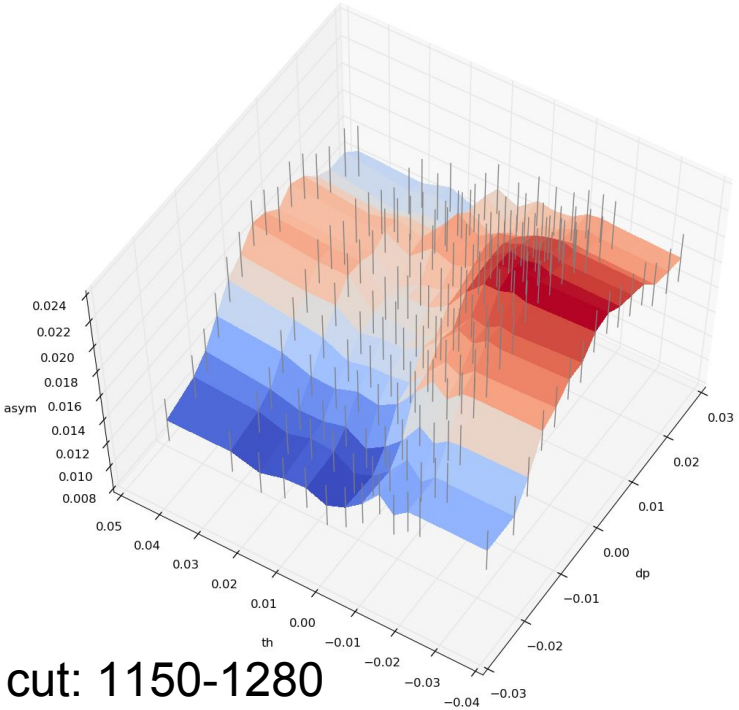
W cut: 1280-1500

theta not sensitive
1280-1500 not sensitive

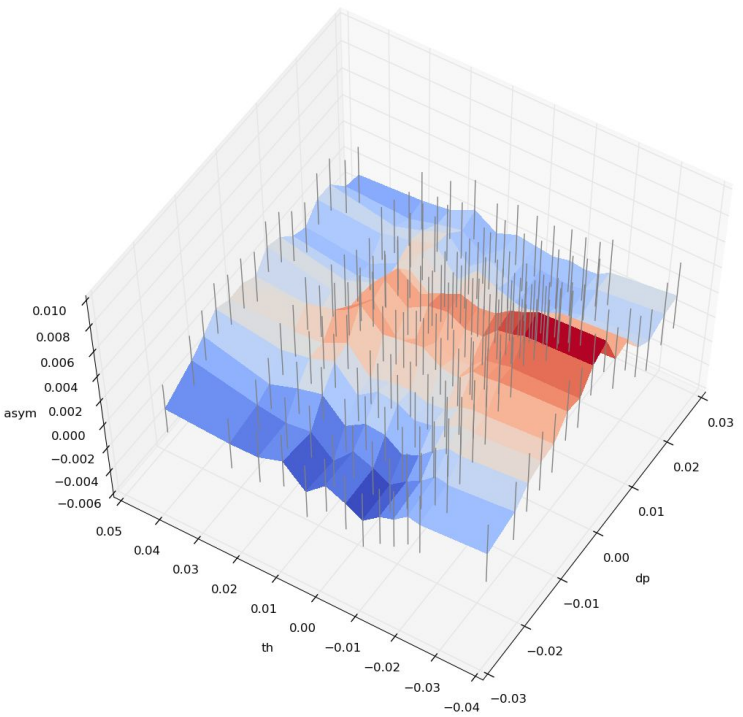
theta vs dp



W cut: 940-1150



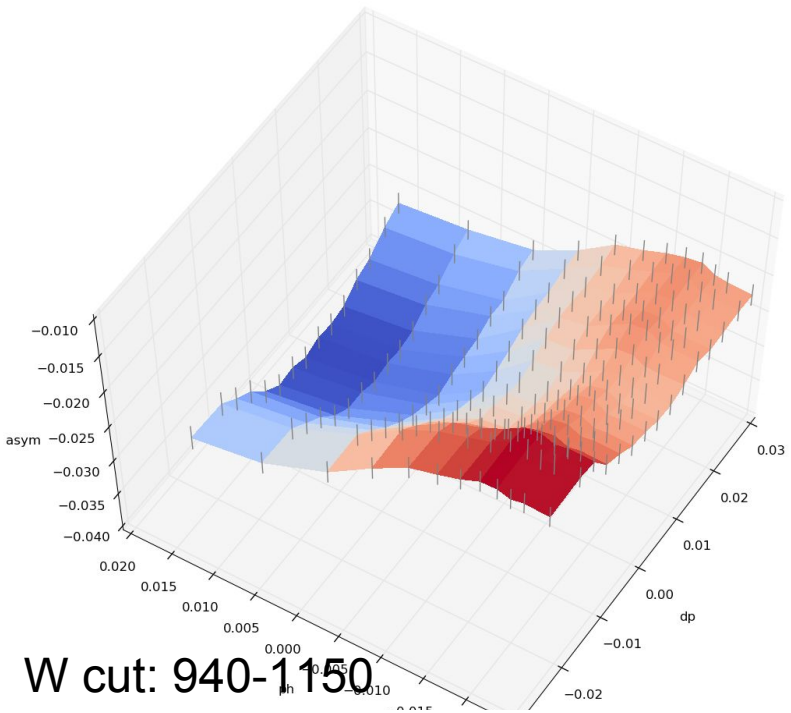
W cut: 1150-1280



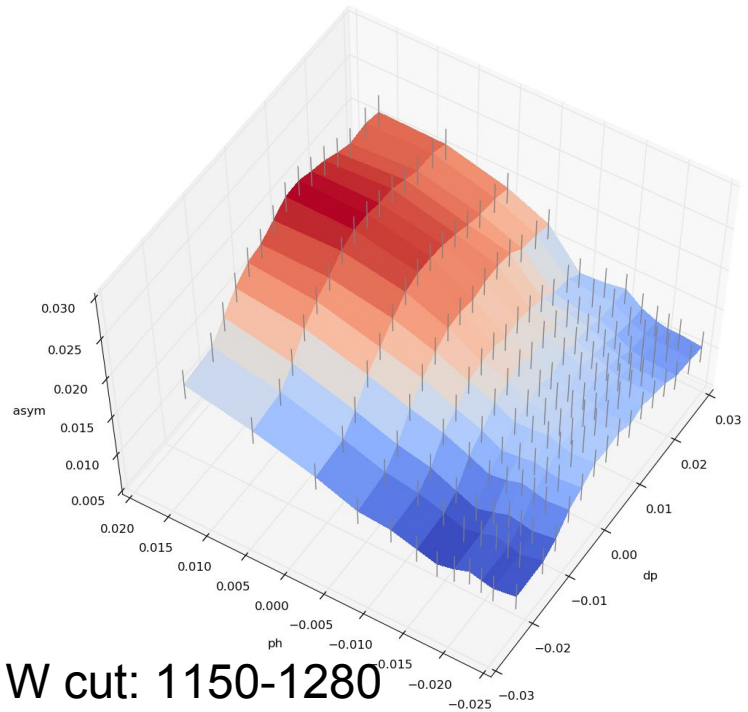
W cut: 1280-1500

theta not sensitive
1280-1500 not sensitive

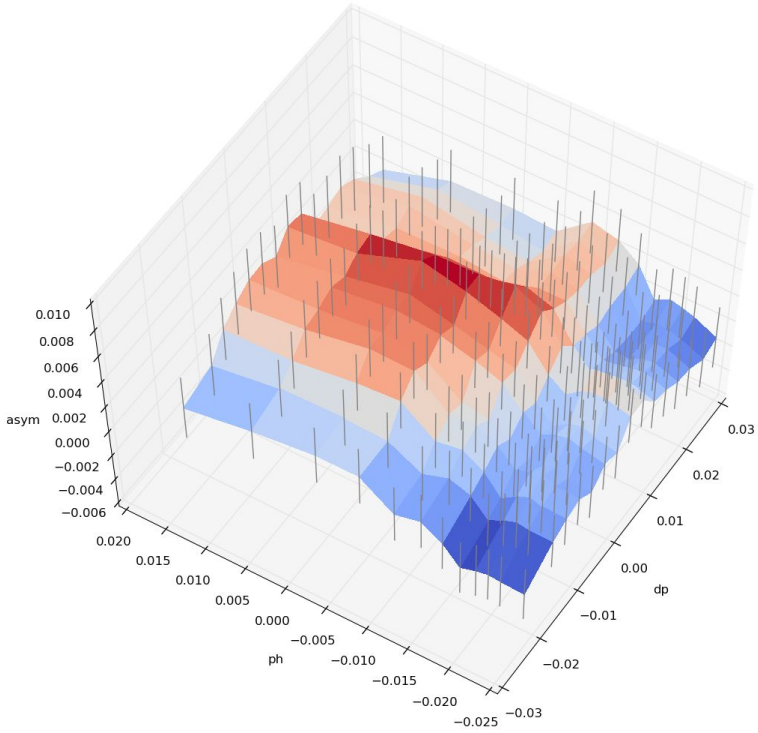
phi vs dp



W cut: 940-1150



W cut: 1150-1280



W cut: 1280-1500

1280-1500 not sensitive

backup

overview of asymmetry without any cuts