asymmetry for different acceptance cut

Pengjia Zhu
change theta cut
change phi cut
change dp cut
Runs used:
5
T longitudinal
Run Status=1
Run Quality>0
dilution factor used: 0.15
group dilution difference between material 17 and 18
acceptance cut variables in target plane coordinate:
L.rec.dp
L.rec.theta
L.rec.phi
W range:
1.940-1150
2.1150-1280
3.1280-1500
dilution factor used: 0.15
group 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

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

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

1280-1500 not sensitive

W cut: 1150-1280

W cut: 1280-1500
backup
overview of asymmetry without any cuts