

Category: $\mu\alpha^{3\text{pr}}$ BDT signal cat 1

$(A_{\text{even, odd}} = 0.020 \pm 0.005)$

CMS Private Work

$\chi^2/n_{\text{dof}} = 14.2 / 7 \approx 2.0$

— CP even

$\chi^2/n_{\text{dof}} = 12.3 / 7 \approx 1.8$

- - - CP odd

$\chi^2/n_{\text{dof}} = 11.4 / 7 \approx 1.6$

- - - CP maxmix

a.u.

6.0

5.5

5.0

4.5

4.0

3.5

0

1

2

3

4

5

6

Φ_{CP} (pv reco)

2.0

3.0

4.0

5.0

6.0

7.0