

ZZ Control Region

double binning

$p_{T, \text{leading}}$
 $p_{T, \text{trailing}}$
 $p_{T, N_{\text{Jets}}}$
 $m_{l_{3,4}}$

ϕ_{leading}
 ϕ_{trailing}
 $p_{T, \text{miss}}$
 p_{T, H_T}

η_{trailing}
 η_{leading}
 m_{ll}

normal binning

$p_{T, \text{leading}}$
 $p_{T, \text{trailing}}$
 $p_{T, N_{\text{Jets}}}$
 $m_{l_{3,4}}$

ϕ_{leading}
 ϕ_{trailing}
 $p_{T, \text{miss}}$
 p_{T, H_T}

η_{trailing}
 η_{leading}
 m_{ll}

half binning

$p_{T, \text{leading}}$
 $p_{T, \text{trailing}}$
 $p_{T, N_{\text{Jets}}}$
 $m_{l_{3,4}}$

ϕ_{leading}
 ϕ_{trailing}
 $p_{T, \text{miss}}$
 p_{T, H_T}

η_{trailing}
 η_{leading}
 m_{ll}

- α (int. method)
- stat. error (int. method)
- α (χ^2 method)
- mean (χ^2 method)

0.6

0.8

1

1.2

1.4

Scale Factor α_{ZZ}