

ZZ Control Region

double binning

normal binning

half binning

$p_{\text{T}}^{\text{leading}}$
 $p_{\text{T}}^{\text{trailing}}$
 N_{Jets}
 $m_{l_{3,4}}$
 ϕ^{leading}
 ϕ^{trailing}
 $p_{\text{T}}^{\text{miss}}$
 H_{T}
 η^{trailing}
 η^{leading}
 m_{ll}

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 $p_{\text{T}}^{\text{trailing}}$
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 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}