Channel	Main background	Estimation method
$q\bar{q}q\bar{q}$ (8 TeV)	QCD multijets	parametrized by smooth function
$\ell\nu q\bar{q}$ (8 TeV)	W+jets	normalization and shape from data in sidebands: m_{jet} in [40, 65] and [105, 130] GeV
$\ell\ell q\bar{q}$ (8 TeV)	Z+jets	normalization and shape from data in sidebands: m_{jet} in [50, 70] and [110, 130] GeV
$q\bar{q}q\bar{q}$ (13 TeV)	QCD multijets	parametrized by smooth function
$\ell\nu q\bar{q}$ (13 TeV)	W+jets	normalization and shape from data in sidebands: m_{jet} in [40, 65] and [135, 150] GeV
$q\bar{q}b\bar{b}$ / $q\bar{q}q\bar{q}q\bar{q}$ (8 TeV)	QCD multijets	data driven
$\ell\nu b\bar{b}$ (8 TeV)	W+jets	normalization and shape from sidebands: m_{jet} in [40, 110] and [135, 150] GeV
$q\bar{q}\tau\tau$ (8 TeV)	Z/γ+jets $t\bar{t}$, QCD multijets	data driven estimate from control regions
$\ell\ell b\bar{b}$ / $\ell\nu b\bar{b}$ / $\nu\nu b\bar{b}$ (13 TeV)	V+jets	normalization and shape from data in sidebands: m_{jet} in [30, 65] and > 135 GeV