

Mode	BDT bin	0.0 – 0.25	0.25 – 0.4	0.4 – 0.5	0.5 – 0.6	0.6 – 0.7	0.7 – 0.8	0.8 – 0.9	0.9 – 1.0
$B_s^0 \rightarrow \mu^+ \mu^-$	Exp. comb. bkg	1889_{-39}^{+38}	57_{-11}^{+11}	$15.3_{-3.8}^{+3.8}$	$4.3_{-1.0}^{+1.0}$	$3.30_{-0.85}^{+0.92}$	$1.06_{-0.46}^{+0.51}$	$1.27_{-0.52}^{+0.53}$	$0.44_{-0.24}^{+0.41}$
	Exp. peak. bkg	$0.124_{-0.049}^{+0.066}$	$0.063_{-0.018}^{+0.024}$	$0.049_{-0.012}^{+0.016}$	$0.045_{-0.012}^{+0.016}$	$0.050_{-0.013}^{+0.018}$	$0.047_{-0.013}^{+0.017}$	$0.049_{-0.013}^{+0.017}$	$0.047_{-0.014}^{+0.018}$
	Exp. signal	$2.55_{-0.74}^{+0.70}$	$1.22_{-0.19}^{+0.20}$	$0.97_{-0.13}^{+0.14}$	$0.861_{-0.088}^{+0.102}$	$1.00_{-0.10}^{+0.12}$	$1.034_{-0.095}^{+0.109}$	$1.18_{-0.11}^{+0.13}$	$1.23_{-0.21}^{+0.21}$
	Observed	1818	39	12	6	1	2	1	1
$B^0 \rightarrow \mu^+ \mu^-$	Exp. comb. bkg	2003_{-43}^{+42}	61_{-11}^{+12}	$16.6_{-4.1}^{+4.3}$	$4.7_{-1.2}^{+1.3}$	$3.52_{-0.97}^{+1.13}$	$1.11_{-0.50}^{+0.71}$	$1.62_{-0.59}^{+0.76}$	$0.54_{-0.29}^{+0.53}$
	Exp. peak. bkg	$0.71_{-0.26}^{+0.36}$	$0.355_{-0.088}^{+0.146}$	$0.279_{-0.068}^{+0.110}$	$0.249_{-0.055}^{+0.099}$	$0.280_{-0.062}^{+0.109}$	$0.264_{-0.057}^{+0.103}$	$0.275_{-0.060}^{+0.108}$	$0.267_{-0.069}^{+0.106}$
	Exp. cross-feed	$0.40_{-0.12}^{+0.11}$	$0.193_{-0.030}^{+0.033}$	$0.153_{-0.021}^{+0.023}$	$0.136_{-0.015}^{+0.017}$	$0.158_{-0.017}^{+0.019}$	$0.164_{-0.017}^{+0.019}$	$0.187_{-0.020}^{+0.022}$	$0.194_{-0.033}^{+0.036}$
	Exp. signal	$0.300_{-0.090}^{+0.086}$	$0.145_{-0.024}^{+0.027}$	$0.115_{-0.017}^{+0.020}$	$0.102_{-0.013}^{+0.014}$	$0.119_{-0.015}^{+0.017}$	$0.123_{-0.015}^{+0.016}$	$0.140_{-0.017}^{+0.019}$	$0.145_{-0.026}^{+0.030}$
	Observed	1904	50	20	5	2	1	4	1