

Fit parameter	$B^+\pi^-$	$B^0\pi^+$
$B_1(5721)^{0,+} \mu$	263.9 ± 0.7	260.9 ± 1.8
$B_1(5721)^{0,+} \Gamma$	30.1 ± 1.5	29.1 ± 3.6
$B_2^*(5747)^{0,+} \mu$	320.6 ± 0.4	318.1 ± 0.7
$B_2^*(5747)^{0,+} \Gamma$	24.5 ± 1.0	23.6 ± 2.0
$N_{B_1(5721)^{0,+}}$ low p_T	14200 ± 1400	3140 ± 750
$N_{B_1(5721)^{0,+}}$ mid p_T	16200 ± 1500	4020 ± 890
$N_{B_1(5721)^{0,+}}$ high p_T	4830 ± 470	940 ± 260
$N_{B_2^*(5747)^{0,+}}$ low p_T	7450 ± 420	1310 ± 180
$N_{B_2^*(5747)^{0,+}}$ mid p_T	7600 ± 340	2070 ± 180
$N_{B_2^*(5747)^{0,+}}$ high p_T	1690 ± 130	640 ± 80
$\mathcal{B}(B_2^*(5747)^{0,+} \rightarrow B^*\pi)/\mathcal{B}(B_2^*(5747)^{0,+} \rightarrow B\pi)$	0.71 ± 0.14	1.0 ± 0.5
$B_J(5840)^{0,+} \mu$	444 ± 5	431 ± 13
$B_J(5840)^{0,+} \Gamma$	127 ± 17	224 ± 24
$B_J(5960)^{0,+} \mu$	550.4 ± 2.9	545.8 ± 4.1
$B_J(5960)^{0,+} \Gamma$	82 ± 8	63 ± 15
$N_{B_J(5840)^{0,+}}$ low p_T	3200 ± 1300	1630 ± 970
$N_{B_J(5840)^{0,+}}$ mid p_T	5600 ± 1000	3230 ± 720
$N_{B_J(5840)^{0,+}}$ high p_T	3090 ± 550	2280 ± 450
$N_{B_J(5960)^{0,+}}$ low p_T	3270 ± 660	610 ± 240
$N_{B_J(5960)^{0,+}}$ mid p_T	4590 ± 610	910 ± 250
$N_{B_J(5960)^{0,+}}$ high p_T	2400 ± 320	500 ± 140