Component	Yields
$B^+ \to (D\pi^0)_{D^*}\pi^+, D + \text{random } \pi^0$	637 ± 41
$B^+ \to (D\gamma)_{D^*}\pi^+, D + \text{random } \pi^0$	295 ± 39
$B^+ \to (D\pi^0)_{D^*}\pi^+, D + \text{random } \gamma$	2877 ± 146
$B^+ \to (D\gamma)_{D^*}\pi^+, D + \text{random } \gamma$	2880 ± 253
$B^+ \to (D\pi^0)_{D^*}\pi^+, D + \text{correct } \gamma$	4417 ± 179
$B^- \to (D\pi^0)_{D^*}\pi^-, D + \text{random } \pi^0$	645 ± 42
$B^- \to (D\gamma)_{D^*}\pi^-, D + \text{random } \pi^0$	295 ± 39
$B^- \to (D\pi^0)_{D^*}\pi^-, D + \text{random } \gamma$	2915 ± 149
$B^- \to (D\gamma)_{D^*}\pi^-, D + \text{random } \gamma$	2873 ± 254
$B^- \to (D\pi^0)_{D^*}\pi^-, D + \text{correct } \gamma$	4476 ± 182
$B^+ \to (D\pi^0)_{D^*}K^+, D + \text{random } \pi^0$	56 ± 5
$B^+ \to (D\gamma)_{D^*}K^+, D + \text{random } \pi^0$	29 ± 4
$B^+ \to (D\pi^0)_{D^*}K^+, D + \text{random } \gamma$	253 ± 19
$B^+ \to (D\gamma)_{D^*}K^+, D + \text{random } \gamma$	279 ± 34
$B^+ \to (D\pi^0)_{D^*}K^+, D + \text{correct } \gamma$	389 ± 27
$B^- \to (D\pi^0)_{D^*}K^-, D + \text{random } \pi^0$	55 ± 4
$B^- \to (D\gamma)_{D^*}K^-, D + \text{random } \pi^0$	34 ± 5
$B^- \to (D\pi^0)_{D^*}K^-, D + \text{random } \gamma$	246 ± 17
$B^- \to (D\gamma)_{D^*}K^-, D + \text{random } \gamma$	327 ± 37
$B^- \to (D\pi^0)_{D^*}K^-, D + \text{correct } \gamma$	378 ± 24