

Component	Yields
$B^+ \rightarrow (D\pi^0)_{D^*}\pi^+, D + \text{random } \pi^0$	$103 \pm 15$
$B^+ \rightarrow (D\gamma)_{D^*}\pi^+, D + \text{random } \pi^0$	$86 \pm 17$
$B^+ \rightarrow (D\pi^0)_{D^*}\pi^+, D + \text{random } \gamma$	$330 \pm 35$
$B^+ \rightarrow (D\gamma)_{D^*}\pi^+, D + \text{random } \gamma$	$500 \pm 92$
$B^+ \rightarrow (D\pi^0)_{D^*}\pi^+, D + \text{correct } \gamma$	$923 \pm 91$
$B^- \rightarrow (D\pi^0)_{D^*}\pi^-, D + \text{random } \pi^0$	$102 \pm 15$
$B^- \rightarrow (D\gamma)_{D^*}\pi^-, D + \text{random } \pi^0$	$81 \pm 16$
$B^- \rightarrow (D\pi^0)_{D^*}\pi^-, D + \text{random } \gamma$	$327 \pm 35$
$B^- \rightarrow (D\gamma)_{D^*}\pi^-, D + \text{random } \gamma$	$474 \pm 87$
$B^- \rightarrow (D\pi^0)_{D^*}\pi^-, D + \text{correct } \gamma$	$914 \pm 90$
$B^+ \rightarrow (D\pi^0)_{D^*}K^+, D + \text{random } \pi^0$	$7 \pm 1$
$B^+ \rightarrow (D\gamma)_{D^*}K^+, D + \text{random } \pi^0$	$8 \pm 2$
$B^+ \rightarrow (D\pi^0)_{D^*}K^+, D + \text{random } \gamma$	$22 \pm 4$
$B^+ \rightarrow (D\gamma)_{D^*}K^+, D + \text{random } \gamma$	$44 \pm 10$
$B^+ \rightarrow (D\pi^0)_{D^*}K^+, D + \text{correct } \gamma$	$60 \pm 10$
$B^- \rightarrow (D\pi^0)_{D^*}K^-, D + \text{random } \pi^0$	$7 \pm 1$
$B^- \rightarrow (D\gamma)_{D^*}K^-, D + \text{random } \pi^0$	$6 \pm 2$
$B^- \rightarrow (D\pi^0)_{D^*}K^-, D + \text{random } \gamma$	$22 \pm 4$
$B^- \rightarrow (D\gamma)_{D^*}K^-, D + \text{random } \gamma$	$36 \pm 9$
$B^- \rightarrow (D\pi^0)_{D^*}K^-, D + \text{correct } \gamma$	$60 \pm 10$