

Channel	Simulated signal sample [%]	Track-reconstruction efficiency [%]	Reweighting [%]	Signal [%]	$\phi \rightarrow \mu^- \mu^+$ yield [%]	$\phi \rightarrow e^- e^+$ $\epsilon_{\text{electron}}$ [%]
$D^+ \rightarrow K^+ e^+ e^-$	6.4	3.2	–	7.0	2.0	9.1
$D^+ \rightarrow K^+ e^+ \mu^-$	2.1	2.5	7.6	7.0	2.0	4.6
$D^+ \rightarrow K^+ \mu^+ e^-$	1.8	2.5	7.6	7.0	2.0	4.6
$D^+ \rightarrow K^+ \mu^+ \mu^-$	3.0	2.3	–	0.8	2.0	–
$D^+ \rightarrow \pi^+ e^+ e^-$	3.9	2.3	–	7.0	2.0	9.1
$D^+ \rightarrow \pi^- e^+ e^+$	2.6	2.3	–	7.0	2.0	9.1
$D^+ \rightarrow \pi^+ e^+ \mu^-$	1.9	1.1	7.6	7.0	2.0	4.6
$D^+ \rightarrow \pi^+ \mu^+ e^-$	1.5	1.1	7.6	7.0	2.0	4.6
$D^+ \rightarrow \pi^- \mu^+ e^+$	1.6	1.1	7.6	7.0	2.0	4.6
$D^+ \rightarrow \pi^+ \mu^+ \mu^-$	1.9	0.1	–	0.8	2.0	–
$D^+ \rightarrow \pi^- \mu^+ \mu^+$	1.5	0.0	–	0.8	2.0	–
$D_s^+ \rightarrow K^+ e^+ e^-$	6.0	3.2	–	7.0	3.0	7.5
$D_s^+ \rightarrow K^- e^+ e^+$	3.2	3.2	–	7.0	3.0	7.5
$D_s^+ \rightarrow K^+ e^+ \mu^-$	3.0	2.5	7.6	7.0	3.0	3.8
$D_s^+ \rightarrow K^+ \mu^+ e^-$	2.5	2.5	7.6	7.0	3.0	3.8
$D_s^+ \rightarrow K^- \mu^+ e^+$	2.4	2.5	7.6	7.0	3.0	3.8
$D_s^+ \rightarrow K^+ \mu^+ \mu^-$	3.3	2.3	–	0.8	3.0	–
$D_s^+ \rightarrow K^- \mu^+ \mu^+$	1.8	2.3	–	0.8	3.0	–
$D_s^+ \rightarrow \pi^+ e^+ e^-$	4.3	2.3	–	7.0	3.0	7.5
$D_s^+ \rightarrow \pi^- e^+ e^+$	3.1	2.3	–	7.0	3.0	7.5
$D_s^+ \rightarrow \pi^+ e^+ \mu^-$	2.7	1.2	7.6	7.0	3.0	3.8
$D_s^+ \rightarrow \pi^+ \mu^+ e^-$	2.3	1.1	7.6	7.0	3.0	3.8
$D_s^+ \rightarrow \pi^- \mu^+ e^+$	2.2	1.2	7.6	7.0	3.0	3.8
$D_s^+ \rightarrow \pi^+ \mu^+ \mu^-$	2.5	0.1	–	0.8	3.0	–
$D_s^+ \rightarrow \pi^- \mu^+ \mu^+$	2.2	0.0	–	0.8	3.0	–