Topology Analysis * (v1.6.0)

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^{*}This package is implemented with reference to a program called Topo, which is developed by Prof. Shuxian Du from Zhengzhou University in China and has been widely used by people in BESIII collaboration. Several years ago, when I was a PhD student working on BESIII experiment, I learned the idea of topology analysis and a lot of programming techniques from the Topo program. So, I really appreciate Prof. Du's original work very much. To meet my own needs and to practice developing analysis tools with C++, ROOT and LaTex, I wrote the package from scratch. At that time, the package functioned well but was relatively simple. At the end of last year (2017), my co-supervisor, Prof. Chengping Shen reminded me that it could be a useful tool for Belle II experiment as well. So, I revised and extended it, making it more well-rounded and suitable for Belle II experiment. Here, I would like to thank Prof. Du for his original work, Prof. Shen for his suggestion and encouragement, and Wencheng Yan, Sen Jia, Yubo Li, Suxian Li, Longke Li, Guanda Gong, Junhao Yin, Xiaoping Qin, Xiqing Hao, HongPeng Wang, JiaWei Zhang and Yeqi Chen for their efforts in helping me test the program.

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Table 1: Event trees and their respective initial-final states. $\,$

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
1	$e^{+}e^{-} \to \pi^{+}\omega K^{-}\bar{D}^{*-}D_{s}^{*+}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \bar{D}^{*-} \to \pi^{0}D^{-}, D_{s}^{*+} \to \pi^{0}D_{s}^{+}, D^{-} \to \pi^{-}\pi^{-}K^{+}, D_{s}^{+} \to \rho^{0}K^{+}, \\ \rho^{0} \to \pi^{+}\pi^{-} \\ (e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	0	0	1	1
2	$e^{+}e^{-} \to D^{-}D^{*+}, D^{-} \to \mu^{-}\bar{\nu}_{\mu}K^{0}, D^{*+} \to \pi^{0}D^{+}, K^{0} \to K_{L}, D^{+} \to \mu^{+}\nu_{\mu}\bar{K}^{0}, K_{L} \to e^{-}\nu_{e}\pi^{+}, \\ \bar{K}^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-} \\ (e^{+}e^{-} \to e^{-}\nu_{e}\mu^{+}\mu^{-}\nu_{\mu}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{-}\gamma\gamma)$	1	1	1	2
3	$e^{+}e^{-} \to \pi^{+}\pi^{-}D^{*0}\bar{D}^{*0}, D^{*0} \to \pi^{0}D^{0}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, D^{0} \to e^{+}\nu_{e}\pi^{-}\bar{K}^{0}, \bar{D}^{0} \to e^{-}\bar{\nu}_{e}K^{+}, \bar{K}^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-} $ $(e^{+}e^{-} \to e^{+}e^{-}\nu_{e}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma)$	2	2	1	3
4	$e^{+}e^{-} \to K^{0}\bar{K}^{0}D_{s}^{*+}D_{s}^{*-}, K^{0} \to K_{L}, \bar{K}^{0} \to K_{S}, D_{s}^{*+} \to D_{s}^{+}\gamma, D_{s}^{*-} \to D_{s}^{-}\gamma, K_{S} \to \pi^{+}\pi^{-},$ $D_{s}^{+} \to e^{+}\nu_{e}\phi, D_{s}^{-} \to K^{*}K^{-}, \phi \to \pi^{+}\rho^{-}, K^{*} \to \pi^{0}K^{0}, \rho^{-} \to \pi^{0}\pi^{-}, K^{0} \to K_{L},$ $\pi^{0} \to e^{+}e^{-}$ $(e^{+}e^{-} \to e^{+}e^{+}e^{-}\nu_{e}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma)$	3	3	1	4
5	$e^{+}e^{-} \to \pi^{0}\pi^{0}\omega\bar{K}^{0}\bar{D}^{*-}D_{s0}^{*+}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \bar{K}^{0} \to K_{S}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D_{s0}^{*+} \to \pi^{0}D_{s}^{+}, K_{S} \to \pi^{+}\pi^{-}, \bar{D}^{0} \to \rho^{-}K^{*+}, D_{s}^{+} \to K_{S}K^{+}, \rho^{-} \to \pi^{0}\pi^{-}, K^{*+} \to \pi^{+}K^{0}, K_{S} \to \pi^{+}\pi^{-}, K^{0} \to K_{L}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	4	4	1	5
6	$e^{+}e^{-} \to \pi^{0}\pi^{+}\bar{D}^{*-}\bar{p}\Lambda_{c}^{+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, \Lambda_{c}^{+} \to \rho^{0}\pi^{+}\Sigma^{0}, \bar{D}^{0} \to \pi^{0}K_{S}, \rho^{0} \to \pi^{+}\pi^{-}, \Sigma^{0} \to \Lambda\gamma,$ $K_{S} \to \pi^{+}\pi^{-}, \Lambda \to \pi^{-}p$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}p\bar{p}\gamma\gamma\gamma\gamma)$ $e^{+}e^{-} \to \pi^{0}\pi^{-}D^{*+}\bar{D}^{*0}, D^{*+} \to \pi^{0}D^{+}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, D^{+} \to \mu^{+}\nu_{\mu}\bar{K}^{*}, \bar{D}^{0} \to e^{-}\bar{\nu}_{e}K^{+}, \bar{K}^{*} \to \pi^{0}\bar{K}^{0},$	5	5	1	6
7	$\bar{K}^0 \to K_S, K_S \to \pi^+ \pi^- (e^+ e^- \to e^- \bar{\nu}_e \mu^+ \nu_\mu \pi^+ \pi^- \pi^- K^+ \gamma \gamma \gamma \gamma \gamma \gamma)$	6	6	1	7
8	$e^{+}e^{-} \to \pi^{0}D^{*+}\bar{D}^{*-}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{0} \to \pi^{0}\pi^{+}\pi^{-}\bar{K}^{*}, \bar{D}^{0} \to \pi^{0}\pi^{+}\pi^{-}K^{+}K^{-}, \bar{K}^{*} \to \pi^{0}\bar{K}^{0},$ $\bar{K}^{0} \to K_{L}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	7	7	1	8
9	$e^{+}e^{-} \to \pi^{0}D^{*+}D_{2}^{*-}\bar{n}\Delta^{0}, D^{*+} \to \pi^{0}D^{+}, D_{2}^{*-} \to \pi^{-}\bar{D}^{0}, \Delta^{0} \to \pi^{-}p, D^{+} \to \pi^{0}\pi^{+}\bar{K}^{*}, \bar{D}^{0} \to \pi^{0}K_{1}^{0}, \\ \bar{K}^{*} \to \pi^{0}\bar{K}^{0}, K_{1}^{0} \to \pi^{0}\pi^{0}K^{0}, \bar{K}^{0} \to K_{L}, K^{0} \to K_{S}, K_{S} \to \pi^{0}\pi^{0} \\ (e^{+}e^{-} \to K_{L}\pi^{+}\pi^{-}\pi^{-}\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	8	8	1	9
10	$e^{+}e^{-} \to \pi^{0}\pi^{+}\pi^{-}\rho^{-}\eta D^{*+}\bar{D}^{*0}, \rho^{-} \to \pi^{0}\pi^{-}, \eta \to \pi^{0}\pi^{+}\pi^{-}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, D^{0} \to \pi^{0}\pi^{+}K^{-}, \\ \bar{D}^{0} \to \pi^{0}K_{L}\eta, \eta \to \gamma\gamma \\ (e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	9	9	1	10
11	$e^{+}e^{-} \to \pi^{0}\rho^{0}\pi^{+}\bar{D}^{*-}D_{2}^{*0}, \rho^{0} \to \pi^{+}\pi^{-}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D_{2}^{*0} \to \pi^{-}D^{+}, \bar{D}^{0} \to \rho^{0}\pi^{-}K^{+}, D^{+} \to \mu^{+}\nu_{\mu}\pi^{+}K^{-}, \rho^{0} \to \pi^{+}\pi^{-} $ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma)$	10	10	1	11

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
12	$e^{+}e^{-} \rightarrow \rho^{0}\pi^{+}\pi^{-}\pi^{-}D^{*+}\bar{D}^{*0}, \rho^{0} \rightarrow \pi^{+}\pi^{-}, D^{*+} \rightarrow \pi^{+}D^{0}, \bar{D}^{*0} \rightarrow \pi^{0}\bar{D}^{0}, D^{0} \rightarrow \pi^{0}\pi^{+}K^{-}, \bar{D}^{0} \rightarrow \pi^{0}\rho^{-}K^{+}, \rho^{-} \rightarrow \pi^{0}\pi^{-} $ $(e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	11	11	1	12
13	$e^{+}e^{-} \to \pi^{0}\eta\eta\omega D^{*+}\bar{D}^{*-}, \eta \to e^{+}e^{-}, \eta \to \pi^{0}\pi^{+}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{*+} \to \pi^{0}D^{+}, \bar{D}^{*-} \to \pi^{0}D^{-}, $ $D^{+} \to \pi^{+}\pi^{+}K^{-}, D^{-} \to e^{-}\bar{\nu}_{e}K_{1}^{0}, K_{1}^{0} \to \rho^{-}K^{+}, \rho^{-} \to \pi^{0}\pi^{-} $ $(e^{+}e^{-} \to e^{+}e^{-}e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	12	12	1	13
14	$e^{+}e^{-} \to \rho^{0}\pi^{+}\bar{K}^{0}K^{*}D^{0}D_{1}^{'-}, \rho^{0} \to \pi^{+}\pi^{-}, \bar{K}^{0} \to K_{S}, K^{*} \to \pi^{-}K^{+}, D^{0} \to \pi^{+}\omega K^{-}, D_{1}^{'-} \to \pi^{-}\bar{D}^{*0}, K_{S} \to \pi^{+}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, \bar{D}^{0} \to \pi^{-}K^{+}\eta', \eta' \to \rho^{0}\gamma, \rho^{0} \to \pi^{+}\pi^{-} + \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma\gamma\gamma\gamma)$	13	13	1	14
15	$e^{+}e^{-} \to \pi^{+}K^{+}D_{s}^{*-}\bar{p}\Sigma_{c}^{*0}, D_{s}^{*-} \to D_{s}^{-}\gamma, \Sigma_{c}^{*0} \to \pi^{-}\Lambda_{c}^{+}, D_{s}^{-} \to \rho^{-}\phi, \Lambda_{c}^{+} \to K^{*}\Sigma^{*+}, \rho^{-} \to \pi^{0}\pi^{-}, \\ \phi \to K_{L}K_{S}, K^{*} \to \pi^{-}K^{+}, \Sigma^{*+} \to \pi^{0}\Sigma^{+}, K_{L} \to \mu^{-}\nu_{\mu}\pi^{+}, K_{S} \to \pi^{+}\pi^{-}, \Sigma^{+} \to \pi^{+}n \\ (e^{+}e^{-} \to \mu^{-}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}n\bar{p}\gamma\gamma\gamma\gamma\gamma)$	14	14	1	15
16	$e^{+}e^{-} \to \pi^{0}\pi^{+}\pi^{-}\rho^{+}\bar{D}^{*-}D^{*0}, \rho^{+} \to \pi^{0}\pi^{+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{*0} \to \pi^{0}D^{0}, \bar{D}^{0} \to \rho^{0}\rho^{0}, D^{0} \to \pi^{0}K_{L}\pi^{+}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-}, \kappa_{L} \to \mu^{+}\nu_{\mu}\pi^{-} + \mu^{+}\nu_{\mu}\pi^{-} + \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	15	15	1	16
17	$\begin{vmatrix} e^{+}e^{-} \to \pi^{-}\rho^{+}D^{*+}\bar{D}^{*-}, \rho^{+} \to \pi^{0}\pi^{+}, D^{*+} \to \pi^{0}D^{+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{+} \to \pi^{0}\pi^{+}K^{+}K^{-}, \bar{D}^{0} \to \pi^{+}\pi^{-}K^{*}, \\ K^{*} \to \pi^{-}K^{+} \\ (e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma) \end{vmatrix}$	16	0	1	17
18	$e^{+}e^{-} \rightarrow D^{*+}nn\bar{n}\bar{\Lambda}_{c}^{-}, D^{*+} \rightarrow \pi^{0}D^{+}, \bar{\Lambda}_{c}^{-} \rightarrow \pi^{-}K^{+}\bar{p}, D^{+} \rightarrow \pi^{0}\pi^{+}K_{S}, K_{S} \rightarrow \pi^{0}\pi^{0}$ $(e^{+}e^{-} \rightarrow \pi^{+}\pi^{-}K^{+}nn\bar{n}\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	17	16	1	18
19	$e^{+}e^{-} \to \eta D^{+}\Delta^{0}\bar{\Sigma}_{c}^{-}, \eta \to \gamma\gamma, D^{+} \to \mu^{+}\nu_{\mu}\pi^{+}K^{-}, \Delta^{0} \to \pi^{0}n, \bar{\Sigma}_{c}^{-} \to \pi^{0}\bar{\Lambda}_{c}^{-}, \bar{\Lambda}_{c}^{-} \to \eta K^{0}\bar{p}, $ $\eta \to \gamma\gamma, K^{0} \to K_{L}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}K_{L}\pi^{+}K^{-}n\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	18	17	1	19
20	$e^{+}e^{-} \rightarrow \pi^{0}\pi^{-}D^{*+}\bar{D}^{*0}, D^{*+} \rightarrow \pi^{+}D^{0}, \bar{D}^{*0} \rightarrow \pi^{0}\bar{D}^{0}, D^{0} \rightarrow e^{+}\nu_{e}K^{-}, \bar{D}^{0} \rightarrow \pi^{0}\rho^{-}K^{+}, \rho^{-} \rightarrow \pi^{0}\pi^{-}$ $(e^{+}e^{-} \rightarrow e^{+}\nu_{e}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	19	18	1	20
21	$e^{+}e^{-} \to \omega D^{0}p\bar{\Lambda}_{c}^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{0} \to K_{S}\eta', \bar{\Lambda}_{c}^{-} \to \pi^{0}\bar{\Sigma}^{-}, K_{S} \to \pi^{0}\pi^{0}, \eta' \to \omega\gamma,$ $\bar{\Sigma}^{-} \to \pi^{-}\bar{n}, \omega \to \pi^{0}\pi^{+}\pi^{-}$	20	19	1	21
22	$(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$ $e^{+}e^{-} \to \pi^{0}\pi^{+}\pi^{-}\rho^{+}\bar{D}^{*-}D^{*0}, \rho^{+} \to \pi^{0}\pi^{+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{*0} \to \pi^{0}D^{0}, \bar{D}^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S}, D^{0} \to \pi^{0}K_{L},$ $K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	21	20	1	22
23	$e^{+}e^{-} \to \pi^{0}\pi^{-}D^{+}\bar{D}_{1}^{\prime 0}, D^{+} \to e^{+}\nu_{e}\bar{K}^{0}, \bar{D}_{1}^{\prime 0} \to \pi^{0}\bar{D}^{*0}, \bar{K}^{0} \to K_{L}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, \bar{D}^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S}, K_{S} \to \pi^{+}\pi^{-} $ $(e^{+}e^{-} \to e^{+}\nu_{e}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	22	21	1	23

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
24	$e^{+}e^{-} \to \rho^{-}\bar{K}^{0}K^{*}K^{+}D^{+}D_{s}^{*-}, \rho^{-} \to \pi^{0}\pi^{-}, \bar{K}^{0} \to K_{S}, K^{*} \to \pi^{-}K^{+}, D^{+} \to \pi^{+}\pi^{+}K^{-}, D_{s}^{*-} \to D_{s}^{-}\gamma, K_{S} \to \pi^{0}\pi^{0}, D_{s}^{-} \to \rho^{-}\phi, \rho^{-} \to \pi^{0}\pi^{-}, \phi \to \pi^{-}\rho^{+}, \rho^{+} \to \pi^{0}\pi^{+} + (e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	23	22	1	24
25	$e^{+}e^{-} \rightarrow \pi^{+}\Sigma_{c}^{*0}\bar{\Lambda}_{c}^{-}, \Sigma_{c}^{*0} \rightarrow \pi^{-}\Lambda_{c}^{+}, \bar{\Lambda}_{c}^{-} \rightarrow \pi^{0}\pi^{-}\bar{\Sigma}^{0}, \Lambda_{c}^{+} \rightarrow \pi^{+}\Sigma^{0}, \bar{\Sigma}^{0} \rightarrow \bar{\Lambda}\gamma, \Sigma^{0} \rightarrow \Lambda\gamma, \\ \bar{\Lambda} \rightarrow \pi^{+}\bar{p}, \Lambda \rightarrow \pi^{-}p \\ (e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}p\bar{p}\gamma\gamma\gamma\gamma)$	24	23	1	25
26	$e^{+}e^{-} \to \pi^{0}\pi^{+}\pi^{-}\omega\bar{K}^{0}K^{+}\bar{D}^{*-}D^{*0}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \bar{K}^{0} \to K_{L}, \bar{D}^{*-} \to \pi^{0}D^{-}, D^{*0} \to D^{0}\gamma, D^{-} \to \pi^{-}\pi^{-}K^{+}, D^{0} \to \omega K_{S}, \omega \to \pi^{0}\pi^{+}\pi^{-}, K_{S} \to \pi^{+}\pi^{-} (e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	25	24	1	26
27	$e^{+}e^{-} \to \pi^{0}D^{-}\bar{\Delta}^{-}\Sigma_{c}^{*0}, D^{-} \to \mu^{-}\bar{\nu}_{\mu}K^{0}, \bar{\Delta}^{-} \to \pi^{+}\bar{n}, \Sigma_{c}^{*0} \to \pi^{-}\Lambda_{c}^{+}, K^{0} \to K_{S}, \Lambda_{c}^{+} \to \pi^{+}\Sigma^{0}, K_{S} \to \pi^{+}\pi^{-}, \Sigma^{0} \to \Lambda\gamma, \Lambda \to \pi^{0}n $ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{-}\pi^{-}n\bar{n}\gamma\gamma\gamma\gamma\gamma)$	26	25	1	27
28	$e^{+}e^{-} \to \pi^{0}\rho^{0}\pi^{+}\pi^{-}K^{+}K^{-}D^{*+}\bar{D}^{*-}, \rho^{0} \to \pi^{+}\pi^{-}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{*-} \to \pi^{0}D^{-}, D^{0} \to \pi^{0}\pi^{+}K^{-}, D^{-} \to K_{L}a_{1}^{-}, a_{1}^{-} \to \pi^{0}\rho^{-}, \rho^{-} \to \pi^{0}\pi^{-} $ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	27	26	1	28
29	$e^{+}e^{-} \to \pi^{0}\pi^{+}K^{0}D^{*0}D^{*-}_{s}, K^{0} \to K_{L}, D^{*0} \to \pi^{0}D^{0}, D^{*-}_{s} \to D^{-}_{s}\gamma, D^{0} \to \pi^{+}\pi^{-}K_{S}, D^{-}_{s} \to e^{-}\bar{\nu}_{e}\phi, K_{S} \to \pi^{+}\pi^{-}, \phi \to K^{+}K^{-} $ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma)$	28	27	1	29
30	$e^{+}e^{-} \to \rho^{0}\pi^{-}K^{+}K^{-}D^{+}\bar{D}^{*0}, \rho^{0} \to \pi^{+}\pi^{-}, D^{+} \to K_{S}K^{*+}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, K_{S} \to \pi^{+}\pi^{-}, K^{*+} \to \pi^{+}K^{0},$ $\bar{D}^{0} \to K_{S}\eta', K^{0} \to K_{L}, K_{S} \to \pi^{+}\pi^{-}, \eta' \to \rho^{0}\gamma, \rho^{0} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma)$	29	28	1	30
31	$e^{+}e^{-} \rightarrow \pi^{0}\pi^{0}\pi^{0}\pi^{+}\bar{D}^{*-}D^{*0}, \bar{D}^{*-} \rightarrow \pi^{0}D^{-}, D^{*0} \rightarrow \pi^{0}D^{0}, D^{-} \rightarrow \pi^{0}\pi^{-}K_{S}, D^{0} \rightarrow \mu^{+}\nu_{\mu}K^{-}, K_{S} \rightarrow \pi^{+}\pi^{-}$ $(e^{+}e^{-} \rightarrow \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	30	29	1	31
32	$e^{+}e^{-} \to \pi^{+}\rho^{-}\bar{K}^{0}K^{*}D^{*0}\bar{D}^{*0}, \rho^{-} \to \pi^{0}\pi^{-}, \bar{K}^{0} \to K_{S}, K^{*} \to \pi^{0}K^{0}, D^{*0} \to \pi^{0}D^{0}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, K_{S} \to \pi^{+}\pi^{-}, K^{0} \to K_{L}, D^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S}, \bar{D}^{0} \to e^{-}\bar{\nu}_{e}K^{*+}, K_{S} \to \pi^{+}\pi^{-}, K^{*+} \to \pi^{0}K^{+} $ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	31	30	1	32
33	$e^{+}e^{-} \to \pi^{0}K^{-}\bar{D}^{*0}D_{s}^{+}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, D_{s}^{+} \to \pi^{+}\phi, \bar{D}^{0} \to \mu^{-}\bar{\nu}_{\mu}K^{+}, \phi \to K_{L}K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma)$	32	31	1	33
34	$e^{+}e^{-} \rightarrow \pi^{+}\pi^{-}D^{+}D_{1}^{\prime-}, D^{+} \rightarrow \pi^{+}\pi^{+}K^{-}, D_{1}^{\prime-} \rightarrow \pi^{-}\bar{D}^{*0}, \bar{D}^{*0} \rightarrow \pi^{0}\bar{D}^{0}, \bar{D}^{0} \rightarrow \mu^{-}\bar{\nu}_{\mu}K^{+}$ $(e^{+}e^{-} \rightarrow \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma)$	33	32	1	34
35	$e^{+}e^{-} \to K^{+}D^{*0}D_{s}^{-}p\bar{p}, D^{*0} \to D^{0}\gamma, D_{s}^{-} \to \rho^{-}\eta', D^{0} \to e^{+}\nu_{e}\pi^{-}\bar{K}^{0}, \rho^{-} \to \pi^{0}\pi^{-}, \eta' \to \rho^{0}\gamma, \\ \bar{K}^{0} \to K_{S}, \rho^{0} \to \pi^{+}\pi^{-}, K_{S} \to \pi^{+}\pi^{-} \\ (e^{+}e^{-} \to e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}p\bar{p}\gamma\gamma\gamma\gamma)$	34	33	1	35
36	$e^{+}e^{-} \to \pi^{+}K^{0}K^{-}\bar{D}^{0}D^{*0}, K^{0} \to K_{S}, \bar{D}^{0} \to K^{+}a_{1}^{-}, D^{*0} \to \pi^{0}D^{0}, K_{S} \to \pi^{+}\pi^{-}, a_{1}^{-} \to \pi^{0}\rho^{-}, D^{0} \to \pi^{0}\pi^{+}K^{-}, \rho^{-} \to \pi^{0}\pi^{-} (e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	35	34	1	36

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
37	$e^{+}e^{-} \to \pi^{-}K^{+}K^{-}D^{*+}\bar{D}^{*0}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, D^{0} \to \pi^{0}\pi^{+}K^{-}, \bar{D}^{0} \to e^{-}\bar{\nu}_{e}K^{*+}, K^{*+} \to \pi^{+}K^{0}, K_{S} \to K_{S}, K_{S} \to \pi^{+}\pi^{-} (e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma)$	36	35	1	37
38	$e^{+}e^{-} \to \pi^{-}\eta D^{*+}p\bar{\Lambda}_{c}^{-}, \eta \to e^{+}e^{-}\pi^{+}\pi^{-}, D^{*+} \to \pi^{0}D^{+}, \bar{\Lambda}_{c}^{-} \to \pi^{+}\pi^{-}\bar{\Sigma}^{-}, D^{+} \to \mu^{+}\nu_{\mu}\pi^{+}K^{-}, \bar{\Sigma}^{-} \to \pi^{0}\bar{p}$ $(e^{+}e^{-} \to e^{+}e^{-}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}p\bar{p}\gamma\gamma\gamma\gamma)$	37	36	1	38
39	$e^{+}e^{-} \to \pi^{0}\pi^{0}D^{0}\bar{D}^{0}, D^{0} \to \pi^{0}\pi^{+}K^{-}, \bar{D}^{0} \to \pi^{-}\omega K^{+}, \omega \to \pi^{0}\pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	38	37	1	39
40	$e^{+}e^{-} \to \rho^{0}\rho^{0}\pi^{+}\pi^{+}\pi^{-}D^{-}D^{0}, \rho^{0} \to \pi^{+}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-}, D^{-} \to K_{S}a_{1}^{-}, D^{0} \to \pi^{+}K^{-}, K_{S} \to \pi^{+}\pi^{-},$ $a_{1}^{-} \to \pi^{0}\rho^{-}, \rho^{-} \to \pi^{0}\pi^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma)$ $e^{+}e^{-} \to \pi^{0}D^{*0}\bar{D}^{*0}, D^{*0} \to D^{0}\gamma, \bar{D}^{*0} \to \bar{D}^{0}\gamma, D^{0} \to e^{+}\nu_{e}\pi^{-}\bar{K}^{0}, \bar{D}^{0} \to \omega K_{S}, \bar{K}^{0} \to K_{L},$	39	38	1	40
41	$e^{+}e^{-} \to \pi^{0}D^{*0}\bar{D}^{*0}, D^{*0} \to D^{0}\gamma, \bar{D}^{*0} \to \bar{D}^{0}\gamma, D^{0} \to e^{+}\nu_{e}\pi^{-}\bar{K}^{0}, \bar{D}^{0} \to \omega K_{S}, \bar{K}^{0} \to K_{L},$ $\omega \to \pi^{0}\pi^{+}\pi^{-}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	40	39	1	41
42	$e^{+}e^{-} \to \rho^{-}K^{+}K^{-}\bar{D}^{0}D_{0}^{*+}, \rho^{-} \to \pi^{0}\pi^{-}, \bar{D}^{0} \to e^{-}\bar{\nu}_{e}\pi^{+}K^{0}, D_{0}^{*+} \to \pi^{+}D^{0}, K^{0} \to K_{S}, D^{0} \to \pi^{0}\pi^{+}K^{-}, K_{S} \to \pi^{+}\pi^{-} $ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma)$	41	40	1	42
43	$e^{+}e^{-} \to \pi^{0}\pi^{0}\pi^{0}K^{*+}D_{2}^{*0}D_{s}^{-}, K^{*+} \to \pi^{+}K^{0}, D_{2}^{*0} \to \pi^{-}D^{+}, D_{s}^{-} \to K^{*}K^{-}, K^{0} \to K_{S}, D^{+} \to e^{+}\nu_{e}\pi^{+}K^{-}, K^{0} \to K_{S}, D^{+} \to K^{0}, K^{0} \to K_{S}, D^{+} \to K^{0}, K^{0} \to K^{0},$	42	41	1	43
44	$e^{+}e^{-} \to \pi^{0}D^{+}\bar{D}^{*-}, D^{+} \to \pi^{0}\pi^{+}\pi^{+}\pi^{-}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, \bar{D}^{0} \to K_{S}\eta', K_{S} \to \pi^{0}\pi^{0}, \eta' \to \rho^{0}\gamma,$ $\rho^{0} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	43	42	1	44
45	$e^{+}e^{-} \to \pi^{-}\rho^{+}D^{+}D^{-}, \rho^{+} \to \pi^{0}\pi^{+}, D^{+} \to \pi^{0}\pi^{+}\bar{K}^{*}, D^{-} \to \pi^{0}\pi^{-}\phi, \pi^{0} \to e^{+}e^{-}, \bar{K}^{*} \to \pi^{+}K^{-}, \phi \to K^{+}K^{-}$ $(e^{+}e^{-} \to e^{+}e^{-}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma)$	44	43	1	45
46	$e^{+}e^{-} \to \pi^{+}\rho^{-}\bar{D}^{0}D^{*0}, \rho^{-} \to \pi^{0}\pi^{-}, \bar{D}^{0} \to \pi^{+}\pi^{+}\pi^{-}\pi^{-}, D^{*0} \to \pi^{0}D^{0}, D^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	45	44	1	46
47	$e^{+}e^{-} \to K^{0}\bar{K}^{0}\phi D_{s}^{-}D_{s}^{*+}, K^{0} \to K_{L}, \bar{K}^{0} \to K_{L}, \phi \to K^{+}K^{-}, D_{s}^{-} \to \rho^{-}\eta, D_{s}^{*+} \to D_{s}^{+}\gamma,$ $\rho^{-} \to \pi^{0}\pi^{-}, \eta \to \gamma\gamma, D_{s}^{+} \to \bar{K}^{*}K^{*+}, \bar{K}^{*} \to \pi^{+}K^{-}, K^{*+} \to \pi^{0}K^{+}, \pi^{0} \to e^{+}e^{-}$ $(e^{+}e^{-} \to e^{+}e^{-}K_{L}K_{L}\pi^{+}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma)$	46	45	1	47
48	$e^{+}e^{-} \to \pi^{-}D^{*+}\Delta^{+}\bar{\Sigma}_{c}^{*-}, D^{*+} \to \pi^{0}D^{+}, \Delta^{+} \to \pi^{+}n, \bar{\Sigma}_{c}^{*-} \to \pi^{0}\bar{\Lambda}_{c}^{-}, D^{+} \to \mu^{+}\nu_{\mu}\bar{K}^{0}, \bar{\Lambda}_{c}^{-} \to \pi^{0}\pi^{-}K^{+}\bar{p}, \\ \bar{K}^{0} \to K_{L} \\ (e^{+}e^{-} \to \mu^{+}\nu_{\mu}K_{L}\pi^{+}\pi^{-}\pi^{-}K^{+}n\bar{p}\gamma\gamma\gamma\gamma\gamma)$	47	46	1	48
49	$e^{+}e^{-} \rightarrow \pi^{+}\pi^{-}\rho^{+}\bar{D}^{*-}D^{*0}, \rho^{+} \rightarrow \pi^{0}\pi^{+}, \bar{D}^{*-} \rightarrow \pi^{-}\bar{D}^{0}, D^{*0} \rightarrow \pi^{0}D^{0}, \bar{D}^{0} \rightarrow \pi^{+}\pi^{-}K_{S}, D^{0} \rightarrow \eta\eta,$ $K_{S} \rightarrow \pi^{0}\pi^{0}, \eta \rightarrow \gamma\gamma, \eta \rightarrow \gamma\gamma$ $(e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	48	47	1	49

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
50	$e^{+}e^{-} \to D^{*+}\bar{D}^{*-}, D^{*+} \to \pi^{0}D^{+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{+} \to \mu^{+}\nu_{\mu}\bar{K}^{*}, \bar{D}^{0} \to K_{L}\pi^{+}\pi^{-}, \bar{K}^{*} \to \pi^{0}\bar{K}^{0},$ $\bar{K}^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-}$	49	48	1	50
	$(e^+e^- \to \mu^+\nu_\mu K_L\pi^+\pi^+\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma)$	10	10	1	
51	$e^{+}e^{-} \to K^{-}\bar{D}^{0}D_{s}^{*+}, \bar{D}^{0} \to \pi^{-}K_{1}^{+}, D_{s}^{*+} \to D_{s}^{+}\gamma, K_{1}^{+} \to \rho^{0}K^{+}, D_{s}^{+} \to e^{+}\nu_{e}\bar{K}^{0}, \rho^{0} \to \pi^{+}\pi^{-}, \\ \bar{K}^{0} \to K_{L}, K_{L} \to \pi^{0}\pi^{0}\pi^{0} \\ (e^{+}e^{-} \to e^{+}\nu_{e}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	50	49	1	51
52	$e^{+}e^{-} \rightarrow K^{-}\bar{D}_{2}^{*0}D_{s}^{+}, \bar{D}_{2}^{*0} \rightarrow \pi^{0}\bar{D}^{0}, D_{s}^{+} \rightarrow \rho^{+}\eta', \bar{D}^{0} \rightarrow \pi^{-}K^{+}, \rho^{+} \rightarrow \pi^{0}\pi^{+}, \eta' \rightarrow \pi^{0}\pi^{0}\eta,$ $\eta \rightarrow \pi^{0}\pi^{0}\pi^{0}$ $(e^{+}e^{-} \rightarrow \pi^{+}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	51	50	1	52
53	$e^{+}e^{-} \to \pi^{0}\pi^{-}\bar{K}^{0}K^{*+}D^{*+}\bar{D}^{*-}, \bar{K}^{0} \to K_{L}, K^{*+} \to \pi^{0}K^{+}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{0} \to \pi^{0}\pi^{+}K^{-}, \\ \bar{D}^{0} \to e^{-}\bar{\nu}_{e}K^{+} \\ (e^{+}e^{-} \to e^{-}\bar{\nu}_{e}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	52	51	1	53
54	$e^{+}e^{-} \to \pi^{0}D^{*+}\bar{D}^{*-}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{0} \to K^{-}a_{1}^{+}, \bar{D}^{0} \to \pi^{0}\pi^{+}\pi^{-}K^{*}, a_{1}^{+} \to \pi^{0}\rho^{+}, K^{*} \to \pi^{-}K^{+}, \rho^{+} \to \pi^{0}\pi^{+} \\ (e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	53	52	1	54
55	$e^{+}e^{-} \to K^{0}\bar{D}^{*-}D_{s2}^{*}(2573)^{+}\bar{\Delta}^{0}\Xi^{0}, K^{0} \to K_{L}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D_{s2}^{*}(2573)^{+} \to K^{+}D^{0}, \bar{\Delta}^{0} \to \pi^{0}\bar{n}, \Xi^{0} \to \pi^{0}\Lambda,$ $\bar{D}^{0} \to \mu^{-}\bar{\nu}_{\mu}K^{+}, D^{0} \to \rho^{+}K^{*-}, \Lambda \to \pi^{-}p, \rho^{+} \to \pi^{0}\pi^{+}, K^{*-} \to \pi^{-}\bar{K}^{0}, \bar{K}^{0} \to K_{S},$ $K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma)$	54	53	1	55
56	$e^{+}e^{-} \to \pi^{+}\omega D^{*0}D_{1}^{\prime-}, \omega \to \pi^{0}\gamma, D^{*0} \to \pi^{0}D^{0}, D_{1}^{\prime-} \to \pi^{0}\bar{D}^{*-}, D^{0} \to \rho^{+}K^{*-}, \bar{D}^{*-} \to \pi^{0}D^{-},$ $\rho^{+} \to \pi^{0}\pi^{+}, K^{*-} \to \pi^{-}\bar{K}^{0}, D^{-} \to \mu^{-}\bar{\nu}_{\mu}K^{0}, \bar{K}^{0} \to K_{L}, K^{0} \to K_{L}$ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	55	54	1	56
57	$e^{+}e^{-} \to \rho^{0}\rho^{0}K^{+}K^{-}D^{0}\bar{D}^{0}, \rho^{0} \to \pi^{+}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-}, D^{0} \to \pi^{+}K^{-}, \bar{D}^{0} \to \omega K^{*}, \omega \to \pi^{0}\pi^{+}\pi^{-}, K^{*} \to \pi^{-}K^{+} $ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}K^{-}\gamma\gamma)$	56	55	1	57
58	$e^{+}e^{-} \to \pi^{0}\pi^{-}D^{0}\bar{D}^{*0}\bar{n}p, D^{0} \to \mu^{+}\nu_{\mu}K^{-}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, \bar{D}^{0} \to \pi^{-}\eta K^{+}, \eta \to \gamma\gamma$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{-}\pi^{-}K^{+}K^{-}\bar{n}p\gamma\gamma\gamma\gamma\gamma)$	57	56	1	58
59	$e^{+}e^{-} \to \pi^{0}\pi^{-}D^{*+}\bar{D}^{*0}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, D^{0} \to e^{+}\nu_{e}K^{-}, \bar{D}^{0} \to K^{+}a_{1}^{-}, a_{1}^{-} \to \rho^{0}\pi^{-}, \\ \rho^{0} \to \pi^{+}\pi^{-} \\ (e^{+}e^{-} \to e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma)$	58	57	1	59
60	$e^{+}e^{-} \to \eta D^{*+}\bar{D}^{*-}, \eta \to \pi^{+}\pi^{-}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{0} \to \pi^{+}\rho^{-}, \bar{D}^{0} \to \pi^{-}K_{1}^{+}, \\ \rho^{-} \to \pi^{0}\pi^{-}, K_{1}^{+} \to \pi^{+}\pi^{-}K^{+} \\ (e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma)$	59	58	1	60
61	$e^{+}e^{-} \to \pi^{+}\rho^{-}\bar{K}^{0}\bar{D}^{*-}D_{s}^{*+}, \rho^{-} \to \pi^{0}\pi^{-}, \bar{K}^{0} \to K_{L}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D_{s}^{*+} \to D_{s}^{+}\gamma, \bar{D}^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S},$ $D_{s}^{+} \to \pi^{+}\eta', K_{S} \to \pi^{0}\pi^{0}, \eta' \to \pi^{0}\pi^{0}\eta, \eta \to \gamma\gamma$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	60	59	1	61

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
62	$e^{+}e^{-} \to \pi^{+}\bar{D}^{*-}D^{0}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{0} \to e^{+}\nu_{e}\pi^{-}\bar{K}^{0}, \bar{D}^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S}, \bar{K}^{0} \to K_{L}, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to e^{+}\nu_{e}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	61	39	1	62
63	$e^{+}e^{-} \to \rho^{+}\rho^{-}\omega D^{*+}\Delta^{-}\bar{\Sigma}_{c}^{*0}, \rho^{+} \to \pi^{0}\pi^{+}, \rho^{-} \to \pi^{0}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{*+} \to \pi^{0}D^{+}, \Delta^{-} \to \pi^{-}n,$ $\bar{\Sigma}_{c}^{*0} \to \pi^{+}\bar{\Lambda}_{c}^{-}, D^{+} \to \mu^{+}\nu_{\mu}\pi^{+}K^{-}, \bar{\Lambda}_{c}^{-} \to \pi^{-}\bar{\Lambda}, \bar{\Lambda} \to \pi^{+}\bar{p}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}n\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	62	60	1	63
64	$e^{+}e^{-} \to \pi^{0}\rho^{-}\bar{K}^{0}K^{+}D^{*0}\bar{D}^{*0}, \rho^{-} \to \pi^{0}\pi^{-}, \bar{K}^{0} \to K_{S}, D^{*0} \to D^{0}\gamma, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, K_{S} \to \pi^{0}\pi^{0},$ $D^{0} \to K^{-}a_{1}^{+}, \bar{D}^{0} \to \pi^{+}\pi^{-}K^{*}, a_{1}^{+} \to \rho^{0}\pi^{+}, K^{*} \to \pi^{-}K^{+}, \rho^{0} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	63	22	1	64
65	$e^{+}e^{-} \to \pi^{+}\pi^{-}\pi^{-}\omega D^{*+}\bar{D}^{0}, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S}, D^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S}, K_{S} \to \pi^{+}\pi^{-}, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	64	61	1	65
66	$(e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$ $e^{+}e^{-} \rightarrow \pi^{+}\eta D^{-}D_{2}^{*0}, \eta \rightarrow \gamma\gamma, D^{-} \rightarrow e^{-}\bar{\nu}_{e}K^{*}, D_{2}^{*0} \rightarrow \pi^{-}D^{+}, K^{*} \rightarrow \pi^{0}K^{0}, D^{+} \rightarrow e^{+}\nu_{e}\bar{K}^{0},$ $K^{0} \rightarrow K_{L}, \bar{K}^{0} \rightarrow K_{L}$ $(e^{+}e^{-} \rightarrow e^{+}e^{-}\nu_{e}\bar{\nu}_{e}K_{L}K_{L}\pi^{+}\pi^{-}\gamma\gamma\gamma\gamma)$	65	62	1	66
67	$e^{+}e^{-} \to \pi^{0}\pi^{0}\rho^{0}\pi^{+}\pi^{-}D^{-}D^{*+}, \rho^{0} \to \pi^{+}\pi^{-}, D^{-} \to \pi^{0}\pi^{-}K_{S}, D^{*+} \to \pi^{0}D^{+}, K_{S} \to \pi^{+}\pi^{-}, D^{+} \to e^{+}\nu_{e}\bar{K}^{0}, \\ \bar{K}^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-} \\ (e^{+}e^{-} \to e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	66	63	1	67
68	$e^{+}e^{-} \to \rho^{0}\pi^{-}D^{+}\bar{D}^{*0}, \rho^{0} \to \pi^{+}\pi^{-}, D^{+} \to \pi^{0}\pi^{+}\phi, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, \phi \to K_{L}K_{S}, \bar{D}^{0} \to e^{-}\bar{\nu}_{e}\pi^{+}K^{0}, K_{S} \to \pi^{0}\pi^{0}, K^{0} \to K_{L} $ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	67	64	1	68
69	$e^{+}e^{-} \to \pi^{+}\pi^{-}\omega\omega D^{*0}\bar{D}^{*0}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{*0} \to D^{0}\gamma, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, D^{0} \to \rho^{+}K^{*-}, \\ \bar{D}^{0} \to \pi^{0}\pi^{+}\pi^{-}K^{*}, \rho^{+} \to \pi^{0}\pi^{+}, K^{*-} \to \pi^{-}\bar{K}^{0}, K^{*} \to \pi^{-}K^{+}, \bar{K}^{0} \to K_{S}, K_{S} \to \pi^{0}\pi^{0} \\ (e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma$	68	65	1	69
70	$e^{+}e^{-} \to \pi^{0}\eta \bar{D}^{0}D_{2}^{*0}, \eta \to \pi^{0}\pi^{0}\pi^{0}, \bar{D}^{0} \to \pi^{0}K_{S}, D_{2}^{*0} \to \pi^{-}D^{*+}, K_{S} \to \pi^{+}\pi^{-}, D^{*+} \to \pi^{+}D^{0},$ $D^{0} \to K^{-}a_{1}^{+}, a_{1}^{+} \to \rho^{0}\pi^{+}, \rho^{0} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	69	66	1	70
71	$e^{+}e^{-} \rightarrow D^{0}\Sigma^{0}\bar{\Xi}_{c}^{0}, D^{0} \rightarrow \pi^{0}\pi^{+}K^{-}, \Sigma^{0} \rightarrow \Lambda\gamma, \bar{\Xi}_{c}^{0} \rightarrow K^{*}\bar{\Sigma}^{*0}, \Lambda \rightarrow \pi^{-}p, K^{*} \rightarrow \pi^{0}K^{0},$ $\bar{\Sigma}^{*0} \rightarrow \pi^{0}\bar{\Lambda}, K^{0} \rightarrow K_{S}, \bar{\Lambda} \rightarrow \pi^{0}\bar{n}, K_{S} \rightarrow \pi^{0}\pi^{0}$ $(e^{+}e^{-} \rightarrow \pi^{+}\pi^{-}K^{-}\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	70	67	1	71
72	$e^{+}e^{-} \to \pi^{+}\pi^{-}D^{*+}n\bar{p}\bar{D}_{1}^{\prime0}, D^{*+} \to \pi^{0}D^{+}, \bar{D}_{1}^{\prime0} \to \pi^{0}\bar{D}^{*0}, D^{+} \to e^{+}\nu_{e}\bar{K}^{0}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, \bar{K}^{0} \to K_{S},$ $\bar{D}^{0} \to K^{+}a_{1}^{-}, K_{S} \to \pi^{+}\pi^{-}, a_{1}^{-} \to \pi^{0}\rho^{-}, \rho^{-} \to \pi^{0}\pi^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}n\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	71	68	1	72
73	$e^{+}e^{-} \to K^{-}D_{s}^{*+}\bar{n}pD_{1}^{\prime-}, D_{s}^{*+} \to D_{s}^{+}\gamma, D_{1}^{\prime-} \to \pi^{-}\bar{D}^{*0}, D_{s}^{+} \to \rho^{+}\eta^{\prime}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, \rho^{+} \to \pi^{0}\pi^{+}, \\ \eta^{\prime} \to \pi^{+}\pi^{-}\eta, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, \eta \to \pi^{0}\pi^{0}\pi^{0} \\ (e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	72	69	1	73

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
74	$e^{+}e^{-} \to \pi^{0}\rho^{+}\rho^{-}D^{0}\bar{D}^{*0}, \rho^{+} \to \pi^{0}\pi^{+}, \rho^{-} \to \pi^{0}\pi^{-}, D^{0} \to \pi^{0}\pi^{+}K^{-}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, \bar{D}^{0} \to \mu^{-}\bar{\nu}_{\mu}K^{+} \\ (e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	73	70	1	74
75	$e^{+}e^{-} \to K^{0}\bar{K}^{0}\phi D_{s}^{*+}D_{s}^{*-}, K^{0} \to K_{L}, \bar{K}^{0} \to K_{S}, \phi \to K_{L}K_{S}, D_{s}^{*+} \to D_{s}^{+}\gamma, D_{s}^{*-} \to D_{s}^{-}\gamma, K_{S} \to \pi^{+}\pi^{-}, K_{S} \to \pi^{+}\pi^{-}, D_{s}^{+} \to \mu^{+}\nu_{\mu}\phi, D_{s}^{-} \to K^{*}K^{*-}, \phi \to K_{L}K_{S}, K^{*} \to \pi^{-}K^{+}, K^{*-} \to \pi^{0}K^{-}, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}K_{L}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	74	71	1	75
76	$e^{+}e^{-} \to \bar{K}^{0}D^{-}D_{s}^{*+}, \bar{K}^{0} \to K_{L}, D^{-} \to \pi^{-}\pi^{-}K^{+}, D_{s}^{*+} \to D_{s}^{+}\gamma, D_{s}^{+} \to \rho^{+}\eta', \rho^{+} \to \pi^{0}\pi^{+}, $ $\eta' \to \pi^{+}\pi^{-}\eta, \eta \to \gamma\gamma $ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma)$	75	72	1	76
77	$e^{+}e^{-} \to \pi^{0}\rho^{0}\omega D^{*0}\bar{D}^{*0}, \rho^{0} \to \pi^{+}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{*0} \to D^{0}\gamma, \bar{D}^{*0} \to \bar{D}^{0}\gamma, D^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S},$ $\bar{D}^{0} \to \pi^{-}K^{+}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	76	73	1	77
78	$e^{+}e^{-} \rightarrow \omega \bar{\Lambda}_{c}^{-} \Sigma_{c}^{*+}, \omega \rightarrow \pi^{0} \gamma, \bar{\Lambda}_{c}^{-} \rightarrow \rho^{0} \bar{\Sigma}^{-}, \Sigma_{c}^{*+} \rightarrow \pi^{0} \Lambda_{c}^{+}, \rho^{0} \rightarrow \pi^{+} \pi^{-}, \bar{\Sigma}^{-} \rightarrow \pi^{0} \bar{p},$ $\Lambda_{c}^{+} \rightarrow \pi^{0} \bar{K}^{0} p, \bar{K}^{0} \rightarrow K_{S}, K_{S} \rightarrow \pi^{+} \pi^{-}$ $(e^{+}e^{-} \rightarrow \pi^{+} \pi^{+} \pi^{-} \pi^{-} p \bar{p} \gamma \gamma \gamma \gamma \gamma \gamma \gamma)$	77	74	1	78
79	$e^{+}e^{-} \to \pi^{0}\pi^{-}D^{+}\bar{D}^{0}, D^{+} \to \pi^{0}K_{L}\pi^{+}, \bar{D}^{0} \to K_{L}\pi^{+}\pi^{-}, K_{L} \to e^{-}\nu_{e}\pi^{+}$ $(e^{+}e^{-} \to e^{-}\nu_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma)$	78	75	1	79
80	$e^{+}e^{-} \to \pi^{0}\rho^{0}\pi^{+}\pi^{-}\rho^{-}\eta D^{+}\bar{D}^{*0}, \rho^{0} \to \pi^{+}\pi^{-}, \rho^{-} \to \pi^{0}\pi^{-}, \eta \to \pi^{0}\pi^{0}\pi^{0}, D^{+} \to \pi^{+}\rho^{+}K^{-}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, \\ \rho^{+} \to \pi^{0}\pi^{+}, \bar{D}^{0} \to e^{-}\bar{\nu}_{e}K^{*+}, K^{*+} \to \pi^{0}K^{+} \\ (e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma))$	79	76	1	80
81	$e^{+}e^{-} \to K^{+}K^{-}K^{-}\bar{D}^{*0}D_{s2}^{*}(2573)^{+}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, D_{s2}^{*}(2573)^{+} \to K^{0}D^{+}, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, K^{0} \to K_{L}, D^{+} \to e^{+}\nu_{e}\bar{K}^{*}, \bar{K}^{*} \to \pi^{+}K^{-} $ $(e^{+}e^{-} \to e^{+}\nu_{e}K_{L}\pi^{+}\pi^{-}K^{+}K^{-}K^{-}K^{-}\gamma\gamma\gamma\gamma)$	80	77	1	81
82	$e^{+}e^{-} \to \pi^{0}\rho^{+}\rho^{-}K^{+}K^{-}D^{*0}\bar{D}^{*0}, \rho^{+} \to \pi^{0}\pi^{+}, \rho^{-} \to \pi^{0}\pi^{-}, D^{*0} \to D^{0}\gamma, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, D^{0} \to \eta K_{S},$ $\bar{D}^{0} \to \pi^{+}\pi^{+}\pi^{-}\pi^{-}K_{S}, \eta \to \gamma\gamma, K_{S} \to \pi^{+}\pi^{-}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	81	78	1	82
83	$e^{+}e^{-} \to \pi^{0}\pi^{+}\rho^{-}D^{0}\bar{D}^{*0}, \rho^{-} \to \pi^{0}\pi^{-}, D^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, K_{S} \to \pi^{+}\pi^{-}, \bar{D}^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S}, K_{S} \to \pi^{+}\pi^{-} $ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	82	79	1	83
84	$e^{+}e^{-} \rightarrow \pi^{0}\pi^{+}\pi^{-}D^{+}\bar{D}^{*-}, D^{+} \rightarrow \mu^{+}\nu_{\mu}\bar{K}^{*}, \bar{D}^{*-} \rightarrow \pi^{-}\bar{D}^{0}, \bar{K}^{*} \rightarrow \pi^{+}K^{-}, \bar{D}^{0} \rightarrow \pi^{0}\pi^{+}\pi^{-}K^{*}, K^{*} \rightarrow \pi^{-}K^{+}$ $(e^{+}e^{-} \rightarrow \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma)$	83	80	1	84
85	$e^{+}e^{-} \to \pi^{+}K^{*}K^{*-}D^{*0}\bar{D}^{*0}, K^{*} \to \pi^{0}K^{0}, K^{*-} \to \pi^{-}\bar{K}^{0}, D^{*0} \to D^{0}\gamma, \bar{D}^{*0} \to \bar{D}^{0}\gamma, K^{0} \to K_{L},$ $\bar{K}^{0} \to K_{L}, D^{0} \to \pi^{0}K_{L}, \bar{D}^{0} \to \rho^{-}K^{*+}, \rho^{-} \to \pi^{0}\pi^{-}, K^{*+} \to \pi^{0}K^{+}$ $(e^{+}e^{-} \to K_{L}K_{L}K_{L}\pi^{+}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	84	81	1	85

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
86	$e^{+}e^{-} \to \pi^{0}\rho^{0}\pi^{-}K^{+}K^{*-}D^{*+}\bar{D}^{*0}, \rho^{0} \to \pi^{+}\pi^{-}, K^{*-} \to \pi^{-}\bar{K}^{0}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, \bar{K}^{0} \to K_{S},$ $D^{0} \to \rho^{0}\bar{K}^{*}, \bar{D}^{0} \to K_{S}\eta', K_{S} \to \pi^{+}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-}, \bar{K}^{*} \to \pi^{0}\bar{K}^{0}, K_{S} \to \pi^{0}\pi^{0},$ $\eta' \to \pi^{0}\pi^{0}\eta, \bar{K}^{0} \to K_{S}, \eta \to \pi^{0}\pi^{+}\pi^{-}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma$	85	82	1	86
87	$e^{+}e^{-} \to \pi^{+}\pi^{-}\rho^{-}K^{+}D_{s}^{*-}D_{1}^{\prime+}, \rho^{-} \to \pi^{0}\pi^{-}, D_{s}^{*-} \to D_{s}^{-}\gamma, D_{1}^{\prime+} \to \pi^{+}D^{*0}, D_{s}^{-} \to \rho^{-}\eta, D^{*0} \to \pi^{0}D^{0},$ $\rho^{-} \to \pi^{0}\pi^{-}, \eta \to \pi^{0}\pi^{+}\pi^{-}, D^{0} \to \pi^{0}\pi^{+}K^{*-}, K^{*-} \to \pi^{-}\bar{K}^{0}, \bar{K}^{0} \to K_{L}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	86	83	1	87
88	$e^{+}e^{-} \to K^{0}D^{*+}D_{s}^{*-}, K^{0} \to K_{S}, D^{*+} \to \pi^{+}D^{0}, D_{s}^{*-} \to D_{s}^{-}\gamma, K_{S} \to \pi^{0}\pi^{0}, D^{0} \to K^{-}a_{1}^{+},$ $D_{s}^{-} \to \rho^{-}\phi, a_{1}^{+} \to \rho^{0}\pi^{+}, \rho^{-} \to \pi^{0}\pi^{-}, \phi \to K^{+}K^{-}, \rho^{0} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}X^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	87	84	1	88
89	$e^{+}e^{-} \to \pi^{-}D^{*0}\bar{D}_{2}^{*0}\bar{\Delta}^{+}\Delta^{++}, D^{*0} \to \pi^{0}D^{0}, \bar{D}_{2}^{*0} \to \pi^{+}D^{-}, \bar{\Delta}^{+} \to \pi^{0}\bar{p}, \Delta^{++} \to \pi^{+}p, D^{0} \to K^{-}a_{1}^{+}, D^{-} \to e^{-}\bar{\nu}_{e}K^{*}, a_{1}^{+} \to \pi^{0}\rho^{+}, K^{*} \to \pi^{-}K^{+}, \rho^{+} \to \pi^{0}\pi^{+} \\ (e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma)$	88	85	1	89
90	$e^{+}e^{-} \to \bar{K}^{0}K^{*}D^{*+}\bar{D}^{*-}, \bar{K}^{0} \to K_{L}, K^{*} \to \pi^{0}K^{0}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{*-} \to \pi^{0}D^{-}, K^{0} \to K_{S},$ $D^{0} \to \pi^{+}\pi^{-}\bar{K}^{*}, D^{-} \to \pi^{0}\pi^{-}\pi^{-}K^{+}, K_{S} \to \pi^{+}\pi^{-}, \bar{K}^{*} \to \pi^{+}K^{-}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	89	86	1	90
91	$e^{+}e^{-} \to \pi^{+}\rho^{-}\bar{D}^{0}D_{0}^{*0}, \rho^{-} \to \pi^{0}\pi^{-}, \bar{D}^{0} \to \pi^{-}\omega K^{+}, D_{0}^{*0} \to \pi^{-}D^{+}, \omega \to \pi^{0}\gamma, D^{+} \to \mu^{+}\nu_{\mu}\pi^{+}K^{-}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma)$	90	87	1	91
92	$e^{+}e^{-} \to \rho^{0}\pi^{+}\pi^{-}\pi^{-}D^{*+}\bar{D}^{0}, \rho^{0} \to \pi^{+}\pi^{-}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{0} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}, D^{0} \to e^{+}\nu_{e}\pi^{-}\bar{K}^{0}, \bar{K}^{0} \to K_{L}$ $(e^{+}e^{-} \to e^{+}\nu_{e}\mu^{-}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-})$	91	88	1	92
93	$e^{+}e^{-} \to K^{0}K^{+}K^{-}K^{*-}D^{+}\bar{D}^{*0}, K^{0} \to K_{L}, K^{*-} \to \pi^{-}\bar{K}^{0}, D^{+} \to \pi^{0}\pi^{+}K^{+}K^{-}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, \bar{K}^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-}, \eta \to \gamma\gamma, K_{S} \to \pi^{+}\pi^{-} \\ (e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma)$	92	89	1	93
94	$e^{+}e^{-} \to \pi^{0}\pi^{0}\pi^{+}\pi^{-}\pi^{-}D^{*+}D_{s}^{*-}p\bar{\Lambda}, D^{*+} \to \pi^{0}D^{+}, D_{s}^{*-} \to D_{s}^{-}\gamma, \bar{\Lambda} \to \pi^{0}\bar{n}, D^{+} \to \pi^{+}\eta', D_{s}^{-} \to K^{0}K^{*-}, \\ \eta' \to \rho^{0}\gamma, K^{0} \to K_{S}, K^{*-} \to \pi^{0}K^{-}, \rho^{0} \to \pi^{+}\pi^{-}, K_{S} \to \pi^{0}\pi^{0} \\ (e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	93	90	1	94
95	$e^{+}e^{-} \to \pi^{+}\bar{D}^{*-}D_{1}^{\prime 0}, \bar{D}^{*-} \to \pi^{0}D^{-}, D_{1}^{\prime 0} \to \pi^{-}D^{*+}, D^{-} \to \pi^{-}\pi^{-}K^{*+}, D^{*+} \to \pi^{+}D^{0}, K^{*+} \to \pi^{0}K^{+}, D^{0} \to \pi^{+}\pi^{-}\bar{K}^{*}, \bar{K}^{*} \to \pi^{+}K^{-} \\ (e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma)$	94	91	1	95
96	$e^{+}e^{-} \to \pi^{+}\pi^{-}\omega D^{*0}\bar{D}_{1}^{\prime 0}, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{*0} \to D^{0}\gamma, \bar{D}_{1}^{\prime 0} \to \pi^{0}\bar{D}^{*0}, D^{0} \to \pi^{+}K^{-}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0},$ $\bar{D}^{0} \to \rho^{-}K^{*+}, \rho^{-} \to \pi^{0}\pi^{-}, K^{*+} \to \pi^{+}K^{0}, K^{0} \to K_{S}, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	95	92	1	96
97	$e^{+}e^{-} \to \rho^{0}\pi^{+}\pi^{-}\omega D^{*0}\bar{D}^{*0}, \rho^{0} \to \pi^{+}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{*0} \to \pi^{0}D^{0}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, D^{0} \to \pi^{0}\pi^{+}K^{-}, \\ \bar{D}^{0} \to \pi^{-}K^{+} \\ (e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	96	93	1	97

index	event tree	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
	(event initial-final states)				
	$e^{+}e^{-} \rightarrow \bar{D}^{*0}D_{1}^{'0}, \bar{D}^{*0} \rightarrow \pi^{0}\bar{D}^{0}, D_{1}^{'0} \rightarrow \pi^{-}D^{*+}, \bar{D}^{0} \rightarrow \rho^{-}K^{*+}, D^{*+} \rightarrow \pi^{+}D^{0}, \rho^{-} \rightarrow \pi^{0}\pi^{-},$				
98	$K^{*+} \rightarrow \pi^+ K^0, D^0 \rightarrow K_L \eta, K^0 \rightarrow K_L, \eta \rightarrow \gamma \gamma$	97	94	1	98
	$(e^+e^- \to K_L K_L \pi^+ \pi^+ \pi^- \pi^- \gamma \gamma \gamma \gamma \gamma)$				
	$e^{+}e^{-} \to D^{*0}\Delta^{++}\bar{\Sigma}_{c}^{}, D^{*0} \to D^{0}\gamma, \Delta^{++} \to \pi^{+}p, \bar{\Sigma}_{c}^{} \to \pi^{-}\bar{\Lambda}_{c}^{-}, D^{0} \to \pi^{0}\pi^{+}K^{-}, \bar{\Lambda}_{c}^{-} \to \pi^{0}\pi^{-}\bar{\Lambda},$				
99	$ar{\Lambda} ightarrow \pi^+ ar{p}$	98	95	1	99
	$(e^+e^- \to \pi^+\pi^+\pi^+\pi^-\hat{\pi^-}K^-p\bar{p}\gamma\gamma\gamma\gamma\gamma)$				
	$e^+e^- \to \pi^0\pi^+\pi^-\omega D^{*+}\bar{D}^{*-}, \omega \to \pi^0\pi^+\pi^-, D^{*+} \to \pi^+D^0, \bar{D}^{*-} \to \pi^0D^-, D^0 \to K^-a_1^+, D^- \to \pi^-K_S,$				
100	$a_{1}^{+} \to \rho^{0} \pi^{+}, K_{S} \to \pi^{+} \pi^{-}, \rho^{0} \to \pi^{+} \pi^{-} $ $(e^{+} e^{-} \to \pi^{+} \pi^{+} \pi^{+} \pi^{+} \pi^{+} \pi^{+} \pi^{-} \pi^{-} \pi^{-} \pi^{-} \pi^{-} \pi^{-} K^{-} \gamma \gamma \gamma \gamma \gamma)$	99	96	1	100
	$(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$				
	$e^{+}e^{-} \rightarrow \pi^{0}\pi^{-}\bar{D}_{2}^{*0}D_{0}^{*+}, \bar{D}_{2}^{*0} \rightarrow \pi^{+}\bar{D}^{*-}, D_{0}^{*+} \rightarrow \pi^{0}D^{+}, \bar{D}^{*-} \rightarrow \pi^{-}\bar{D}^{0}, D^{+} \rightarrow \mu^{+}\nu_{\mu}\pi^{+}K^{-}, \bar{D}^{0} \rightarrow K^{+}a_{1}^{-},$				
101	$a_{-}^{-} \rightarrow \rho^{0}\pi^{-}, \rho^{0} \rightarrow \pi^{+}\pi^{-}$	100	80	1	101
	$(e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma)$				
	$(e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma)$ $e^{+}e^{-} \to \pi^{0}\rho^{-}\omega D^{*+}\bar{D}^{*0}, \rho^{-} \to \pi^{0}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{*+} \to \pi^{0}D^{+}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, D^{+} \to \pi^{+}\pi^{+}K^{-},$				
102	$ar{D}^0 ightarrow \pi^0 \pi^+ \pi^- K^+ K^-$	101	97	1	102
	$(e^+e^- \to \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$				
100	$e^{+}e^{-} \to \pi^{0}\pi^{0}K^{-}\bar{D}^{0}D_{s2}^{*}(2573)^{+}, \bar{D}^{0} \to e^{-}\bar{\nu}_{e}K^{+}, D_{s2}^{*}(2573)^{+} \to K^{+}D^{0}, D^{0} \to \pi^{+}K^{-}$	100	0.0	1	109
103	$(e^+e^- \rightarrow e^-\bar{\nu}_e\pi^+K^+K^-K^-\gamma\gamma\gamma\gamma)$	102	98	1	103
	$e^+e^- o ho^0 D^{*0} p \bar{\Lambda}_c^-, ho^0 o \pi^+\pi^-, D^{*0} o \pi^0 D^0, \bar{\Lambda}_c^- o ho^0 \pi^- \bar{n}, D^0 o \pi^0 \pi^0 \bar{K}^*, ho^0 o \pi^+\pi^-,$				
104	$ar{K}^* o \pi^+ K^-$	103	99	1	104
	$(e^+e^- \to \pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^-\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma)$				
	$(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma)$ $e^{+}e^{-} \to \pi^{0}\pi^{+}D_{2}^{*-}D^{*0}, D_{2}^{*-} \to \pi^{-}\bar{D}^{0}, D^{*0} \to \pi^{0}D^{0}, \bar{D}^{0} \to K_{S}\eta', D^{0} \to e^{+}\nu_{e}K^{-}, K_{S} \to \pi^{+}\pi^{-},$				
105	$n' o \pi^+\pi^ n, n o \gamma \gamma$	104	100	1	105
	$(e^+e^- \to e^+\nu_e\pi^+\pi^+\pi^+\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma)$				
	$e^{+}e^{-} \to \pi^{0}\rho^{0}\pi^{+}\bar{D}^{*-}D^{0}, \rho^{0} \to \pi^{+}\pi^{-}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{0} \to \pi^{0}\pi^{0}\pi^{0}\pi^{+}\pi^{-}, \bar{D}^{0} \to K_{L}\pi^{+}K^{-}$				
106	$(e^+e^- \to K_L\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	105	101	1	106
	$e^{+}e^{-} \rightarrow \pi^{0}\pi^{+}\rho^{+}\rho^{-}\bar{D}^{*-}D_{2}^{*0}, \rho^{+} \rightarrow \pi^{0}\pi^{+}, \rho^{-} \rightarrow \pi^{0}\pi^{-}, \bar{D}^{*-} \rightarrow \pi^{0}D^{-}, D_{2}^{*0} \rightarrow \pi^{-}D^{+}, D^{-} \rightarrow e^{-}\bar{\nu}_{e}\pi^{-}K^{+}, \rho^{-} \rightarrow \pi^{0}D^{-}, D_{2}^{*0} \rightarrow \pi^{-}D^{+}, D^{-} \rightarrow e^{-}\bar{\nu}_{e}\pi^{-}K^{+}, \rho^{-} \rightarrow \pi^{0}D^{-}, D_{2}^{*0} \rightarrow \pi^{-}D^{+}, D^{-} \rightarrow e^{-}\bar{\nu}_{e}\pi^{-}K^{+}, \rho^{-} \rightarrow \pi^{0}D^{-}, D_{2}^{*0} \rightarrow \pi^{-}D^{+}, D^{-} \rightarrow e^{-}\bar{\nu}_{e}\pi^{-}K^{+}, \rho^{-} \rightarrow \pi^{0}D^{-}, D_{2}^{*0} \rightarrow \pi^{-}D^{+}, D^{-} \rightarrow e^{-}\bar{\nu}_{e}\pi^{-}K^{+}, \rho^{-} \rightarrow \pi^{0}D^{-}, D_{2}^{*0} \rightarrow \pi^{-}D^{+}, D^{-} \rightarrow e^{-}\bar{\nu}_{e}\pi^{-}K^{+}, \rho^{-} \rightarrow \pi^{0}D^{-}, D_{2}^{*0} \rightarrow \pi^{-}D^{+}, D^{-} \rightarrow e^{-}\bar{\nu}_{e}\pi^{-}K^{+}, \rho^{-} \rightarrow \pi^{0}D^{-}, D_{2}^{*0} \rightarrow \pi^{-}D^{+}, D^{-} \rightarrow e^{-}\bar{\nu}_{e}\pi^{-}K^{+}, \rho^{-} \rightarrow \pi^{0}D^{-}, D_{2}^{*0} \rightarrow \pi^{-}D^{+}, D^{-} \rightarrow e^{-}\bar{\nu}_{e}\pi^{-}K^{+}, \rho^{-} \rightarrow \pi^{0}D^{-}, D_{2}^{*0} \rightarrow \pi^{0}D^{-},$				
107	$D^+ o \mu^+ u_\mu \bar{K}^0, \bar{K}^0 o K_S, K_S o \pi^+ \pi^-$	106	102	1	107
101	$(e^+e^- \to e^-\bar{\nu}_e\mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	100	102	_	101
	$e^+e^- o ar{D}^0 D^{*0}, ar{D}^0 o \pi^0 \pi^- K^+, D^{*0} o D^0 \gamma, D^0 o \pi^+ K^-$				
108	$(e^+e^- ightarrow\pi^+\pi^-K^+K^-\gamma\gamma\gamma)$	107	103	1	108
	$e^{+}e^{-} \rightarrow \pi^{0}\pi^{0}\pi^{+}\rho^{-}D^{*+}\bar{D}^{*-}, \rho^{-} \rightarrow \pi^{0}\pi^{-}, D^{*+} \rightarrow \pi^{+}D^{0}, \bar{D}^{*-} \rightarrow \pi^{-}\bar{D}^{0}, D^{0} \rightarrow \pi^{0}\pi^{0}\pi^{+}\pi^{-}, \bar{D}^{0} \rightarrow K_{L}\pi^{-}K^{+}$				
109	$(e^{+}e^{-} \rightarrow K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	108	104	1	109
110	$e^{+}e^{-} \to \pi^{-}\bar{D}^{0}\bar{\Delta}^{-}\Sigma_{c}^{*0}, \bar{D}^{0} \to K_{L}\omega, \bar{\Delta}^{-} \to \pi^{+}\bar{n}, \Sigma_{c}^{*0} \to \pi^{-}\Lambda_{c}^{+}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \Lambda_{c}^{+} \to \pi^{0}\bar{K}^{0}p, \\ \bar{K}^{0} \to K_{L}$	100	107	1	110
110		109	105	1	110
	$(e^+e^- \to K_L K_L \pi^+ \pi^+ \pi^- \pi^- \bar{n} p \gamma \gamma \gamma \gamma)$				

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
111	$e^{+}e^{-} \rightarrow \pi^{-}\rho^{+}K^{+}D^{*0}D_{s}^{*-}, \rho^{+} \rightarrow \pi^{0}\pi^{+}, D^{*0} \rightarrow \pi^{0}D^{0}, D_{s}^{*-} \rightarrow D_{s}^{-}\gamma, D^{0} \rightarrow K_{L}\eta', D_{s}^{-} \rightarrow \rho^{-}\eta',$ $\eta' \rightarrow \pi^{+}\pi^{-}\eta, \rho^{-} \rightarrow \pi^{0}\pi^{-}, \eta' \rightarrow \pi^{0}\pi^{0}\eta, \eta \rightarrow \gamma\gamma, \eta \rightarrow \pi^{0}\pi^{0}\pi^{0}$ $(e^{+}e^{-} \rightarrow K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	110	106	1	111
112	$e^{+}e^{-} \to \pi^{0}\pi^{+}\pi^{-}\eta D^{*0}\bar{D}^{*0}, \eta \to \pi^{0}\pi^{0}\pi^{0}, D^{*0} \to \pi^{0}D^{0}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, D^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S}, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{*+}, K_{S} \to \pi^{+}\pi^{-}, K^{*+} \to \pi^{0}K^{+} $ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	111	107	1	112
113	$e^{+}e^{-} \rightarrow \pi^{+}\omega K^{-}D_{s}^{*+}D_{1}^{-}, \omega \rightarrow \pi^{0}\pi^{+}\pi^{-}, D_{s}^{*+} \rightarrow D_{s}^{+}\gamma, D_{1}^{-} \rightarrow \pi^{0}\bar{D}^{*-}, D_{s}^{+} \rightarrow \rho^{+}\eta', \bar{D}^{*-} \rightarrow \pi^{0}D^{-},$ $\rho^{+} \rightarrow \pi^{0}\pi^{+}, \eta' \rightarrow \pi^{0}\pi^{0}\eta, D^{-} \rightarrow K_{L}\pi^{-}, \eta \rightarrow \gamma\gamma$ $(e^{+}e^{-} \rightarrow K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	112	108	1	113
114	$e^{+}e^{-} \to K^{+}K^{-}\phi D_{s}^{-}D_{s}^{*+}, \phi \to K_{L}K_{S}, D_{s}^{-} \to \pi^{+}\pi^{-}\pi^{-}\eta, D_{s}^{*+} \to D_{s}^{+}\gamma, K_{S} \to \pi^{0}\pi^{0}, \eta \to \pi^{0}\pi^{0}\pi^{0}, 0$ $D_{s}^{+} \to \pi^{0}\pi^{+}\omega, \omega \to \pi^{0}\pi^{+}\pi^{-}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	113	109	1	114
115	$e^{+}e^{-} \to D^{*0}\bar{D}^{*0}, D^{*0} \to \pi^{0}D^{0}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, D^{0} \to K^{-}a_{1}^{+}, \bar{D}^{0} \to \pi^{0}\eta', a_{1}^{+} \to \pi^{0}\rho^{+}, \\ \eta' \to \rho^{0}\gamma, \rho^{+} \to \pi^{0}\pi^{+}, \rho^{0} \to \pi^{+}\pi^{-} \\ (e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	114	110	1	115
116	$e^{+}e^{-} \to \pi^{+}\pi^{-}\bar{D}^{*-}D_{s}^{*+}\bar{n}\Lambda, \bar{D}^{*-} \to \pi^{0}D^{-}, D_{s}^{*+} \to \pi^{0}D_{s}^{+}, \Lambda \to \pi^{-}p, D^{-} \to K_{S}K_{S}K^{-}, D_{s}^{+} \to \rho^{+}\eta, K_{S} \to \pi^{+}\pi^{-}, K_{S} \to \pi^{+}\pi^{-}, \rho^{+} \to \pi^{0}\pi^{+}, \eta \to \gamma\gamma \\ (e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	115	111	1	116
117	$e^{+}e^{-} \to \pi^{0}\rho^{0}\pi^{-}\rho^{-}D^{*+}\bar{D}^{*0}\bar{\Sigma}^{+}\Sigma^{0}, \rho^{0} \to \pi^{+}\pi^{-}, \rho^{-} \to \pi^{0}\pi^{-}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, \bar{\Sigma}^{+} \to \pi^{+}\bar{n},$ $\Sigma^{0} \to \Lambda\gamma, D^{0} \to \pi^{0}K_{L}\pi^{+}\pi^{-}, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, \Lambda \to \pi^{0}n$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	116	112	1	117
118	$e^{+}e^{-} \to \pi^{+}\bar{D}^{*-}D^{*0}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{*0} \to \pi^{0}D^{0}, \bar{D}^{0} \to \rho^{-}K^{*+}, D^{0} \to K_{L}\pi^{+}\pi^{-}, \rho^{-} \to \pi^{0}\pi^{-}, K^{*+} \to \pi^{+}K^{0}, K^{0} \to K_{L}, K_{L} \to \mu^{-}\nu_{\mu}\pi^{+} (e^{+}e^{-} \to \mu^{-}\nu_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma)$	117	113	1	118
119	$e^{+}e^{-} \to \rho^{-}\bar{D}_{0}^{*0}D_{1}^{'+}, \rho^{-} \to \pi^{0}\pi^{-}, \bar{D}_{0}^{*0} \to \pi^{0}\bar{D}^{0}, D_{1}^{'+} \to \pi^{+}D^{*0}, \bar{D}^{0} \to e^{-}\bar{\nu}_{e}K^{*+}, D^{*0} \to D^{0}\gamma,$ $K^{*+} \to \pi^{+}K^{0}, D^{0} \to \pi^{+}\omega K^{-}, K^{0} \to K_{L}, \omega \to \pi^{0}\pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	118	114	1	119
120	$e^{+}e^{-} \to D^{+}\bar{D}^{*-}, D^{+} \to \mu^{+}\nu_{\mu}\pi^{+}K^{-}, \bar{D}^{*-} \to \pi^{0}D^{-}, D^{-} \to e^{-}\bar{\nu}_{e}K^{*}, K^{*} \to \pi^{-}K^{+}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{-}K^{+}K^{-}\gamma\gamma)$	119	115	1	120
121	$e^{+}e^{-} \rightarrow \pi^{-}\rho^{+}\bar{D}^{*-}D^{0}\bar{\Sigma}^{0}\Sigma^{+}, \rho^{+} \rightarrow \pi^{0}\pi^{+}, \bar{D}^{*-} \rightarrow \pi^{-}\bar{D}^{0}, D^{0} \rightarrow e^{+}\nu_{e}\pi^{0}K^{-}, \bar{\Sigma}^{0} \rightarrow \bar{\Lambda}\gamma, \Sigma^{+} \rightarrow \pi^{+}n,$ $\bar{D}^{0} \rightarrow \pi^{0}\pi^{0}, \bar{\Lambda} \rightarrow \pi^{+}\bar{p}$ $(e^{+}e^{-} \rightarrow e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}n\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	120	116	1	121
122	$e^{+}e^{-} \to \pi^{-}\bar{K}^{*}\bar{D}^{*0}D_{s}^{*+}, \bar{K}^{*} \to \pi^{+}K^{-}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, D_{s}^{*+} \to D_{s}^{+}\gamma, \bar{D}^{0} \to e^{-}\bar{\nu}_{e}K^{+}, D_{s}^{+} \to \rho^{+}\eta,$ $\rho^{+} \to \pi^{0}\pi^{+}, \eta \to \pi^{0}\pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	121	117	1	122

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
123	$e^{+}e^{-} \rightarrow \pi^{+}\Lambda_{c}^{+}\bar{\Sigma}_{c}^{*}, \Lambda_{c}^{+} \rightarrow \pi^{+}\pi^{+}\pi^{-}\Sigma^{*0}, \bar{\Sigma}_{c}^{*} \rightarrow \pi^{-}\bar{\Lambda}_{c}^{-}, \Sigma^{*0} \rightarrow \pi^{0}\Lambda, \bar{\Lambda}_{c}^{-} \rightarrow \pi^{+}\pi^{-}\bar{\Sigma}^{*-}, \Lambda \rightarrow \pi^{-}p,$ $\bar{\Sigma}^{*-} \rightarrow \pi^{0}\bar{\Sigma}^{-}, \bar{\Sigma}^{-} \rightarrow \pi^{-}\bar{n}$ $(e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\bar{n}p\gamma\gamma\gamma\gamma)$	122	118	1	123
124	$e^{+}e^{-} \to \eta' \bar{D}^{*-} \bar{n} \Lambda_{c}^{+}, \eta' \to \pi^{+} \pi^{-} \eta, \bar{D}^{*-} \to \pi^{-} \bar{D}^{0}, \Lambda_{c}^{+} \to \pi^{0} \bar{K}^{0} p, \eta \to \gamma \gamma, \bar{D}^{0} \to \pi^{+} \pi^{-} K_{S}, K_{S} \to \pi^{0} \pi^{0}, K_{S} \to \pi^{+} \pi^{-} (e^{+}e^{-} \to \pi^{+} \pi^{+} \pi^{+} \pi^{-} \pi^{-} \pi^{-} \pi^{-} \bar{n} p \gamma \gamma \gamma \gamma \gamma \gamma)$	123	119	1	124
125	$e^{+}e^{-} \to \pi^{+}\bar{D}^{*-}D_{1}^{\prime 0}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D_{1}^{\prime 0} \to \pi^{0}D^{*0}, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, D^{*0} \to \pi^{0}D^{0}, D^{0} \to K_{S}\phi,$ $K_{S} \to \pi^{+}\pi^{-}, \phi \to K^{+}K^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma)$	124	120	1	125
126	$e^{+}e^{-} \to \pi^{0}\rho^{0}D^{0}\bar{D}^{0}, \rho^{0} \to \pi^{+}\pi^{-}, D^{0} \to e^{+}\nu_{e}\pi^{-}\bar{K}^{0}, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, \bar{K}^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma)$	125	121	1	126
127	$e^{+}e^{-} \to \pi^{+}\omega D^{-}D^{*0}, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{-} \to e^{-}\bar{\nu}_{e}K^{0}, D^{*0} \to \pi^{0}D^{0}, K^{0} \to K_{S}, D^{0} \to \pi^{0}\pi^{+}K^{-}, K_{S} \to \pi^{+}\pi^{-} $ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	126	122	1	127
128	$e^{+}e^{-} \to \pi^{0}\rho^{-}\omega D^{*+}\bar{D}^{*0}, \pi^{0} \to e^{+}e^{-}, \rho^{-} \to \pi^{0}\pi^{-}, \omega \to \pi^{0}\gamma, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0},$ $D^{0} \to K^{-}a_{1}^{+}, \bar{D}^{0} \to \rho^{-}K^{*+}, a_{1}^{+} \to \rho^{0}\pi^{+}, \rho^{-} \to \pi^{0}\pi^{-}, K^{*+} \to \pi^{+}K^{0}, \rho^{0} \to \pi^{+}\pi^{-},$ $K^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}e^{-}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	127	123	1	128
129	$e^{+}e^{-} \to \bar{n}p\Lambda_{c}^{+}\bar{\Sigma}_{c}^{}, \Lambda_{c}^{+} \to \pi^{+}\pi^{-}\bar{K}^{0}p, \bar{\Sigma}_{c}^{} \to \pi^{-}\bar{\Lambda}_{c}^{-}, \bar{K}^{0} \to K_{S}, \bar{\Lambda}_{c}^{-} \to K^{0}\bar{p}, K_{S} \to \pi^{+}\pi^{-}, K^{0} \to K_{S}, K_{S} \to \pi^{0}\pi^{0} $ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\bar{n}pp\bar{p}\gamma\gamma\gamma\gamma)$	128	124	1	129
130	$e^{+}e^{-} \rightarrow \pi^{+}\pi^{-}\omega D^{*+}\bar{D}^{*-}, \omega \rightarrow \pi^{0}\pi^{+}\pi^{-}, D^{*+} \rightarrow \pi^{+}D^{0}, \bar{D}^{*-} \rightarrow \pi^{0}D^{-}, D^{0} \rightarrow \pi^{+}\pi^{-}\bar{K}^{*}, D^{-} \rightarrow \pi^{0}\pi^{-}K^{*}, \bar{K}^{*} \rightarrow \pi^{+}K^{-}, K^{*} \rightarrow \pi^{-}K^{+} $ $(e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	129	125	1	130
131	$e^{+}e^{-} \to \rho^{-}K^{+}K^{-}\phi D^{*+}\bar{D}^{*0}, \rho^{-} \to \pi^{0}\pi^{-}, \phi \to K^{+}K^{-}, D^{*+} \to \pi^{0}D^{+}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, D^{+} \to \pi^{+}\bar{K}_{1}^{'0},$ $\bar{D}^{0} \to \mu^{-}\bar{\nu}_{\mu}K^{+}, \bar{K}_{1}^{'0} \to \pi^{+}K^{*-}, K^{*-} \to \pi^{-}\bar{K}^{0}, \bar{K}^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	130	126	1	131
132	$e^{+}e^{-} \to \pi^{0}\eta \bar{K}^{0}K^{+}\bar{D}^{*-}D^{0}, \eta \to \pi^{0}\pi^{0}\pi^{0}, \bar{K}^{0} \to K_{L}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{0} \to \pi^{0}\pi^{0}K_{L}, K_{L} \to \mu^{+}\nu_{\mu}\pi^{-}, \\ \bar{D}^{0} \to \pi^{+}\pi^{-}K_{S}, K_{S} \to \pi^{+}\pi^{-} \\ (e^{+}e^{-} \to \mu^{+}\nu_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	131	127	1	132
133	$(e^{+}e^{-} \to \mu^{+}\nu_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$ $e^{+}e^{-} \to \pi^{-}\omega K^{*+}D^{*+}D^{*-}_{s}, \omega \to \pi^{0}\pi^{+}\pi^{-}, K^{*+} \to \pi^{+}K^{0}, D^{*+} \to \pi^{+}D^{0}, D^{*-}_{s} \to D^{-}_{s}\gamma, K^{0} \to K_{L},$ $D^{0} \to \pi^{0}\pi^{+}K^{-}, D^{-}_{s} \to K^{*}K^{*-}, K^{*} \to \pi^{0}K^{0}, K^{*-} \to \pi^{-}\bar{K}^{0}, K^{0} \to K_{L}, \bar{K}^{0} \to K_{S},$ $K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	132	128	1	133

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
134	$e^{+}e^{-} \to \pi^{0}\pi^{+}\pi^{+}\rho^{-}\bar{D}^{*0}, \rho^{-} \to \pi^{0}\pi^{-}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{*0} \to \pi^{0}D^{0}, \bar{D}^{0} \to \pi^{0}\pi^{0}K^{+}K^{-}, D^{0} \to \pi^{0}\pi^{+}K^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	133	129	1	134
135	$e^{+}e^{-} \to \pi^{+}D^{*0}p\bar{\Sigma}_{c}^{}, D^{*0} \to \pi^{0}D^{0}, \bar{\Sigma}_{c}^{} \to \pi^{-}\bar{\Lambda}_{c}^{-}, D^{0} \to \pi^{0}\pi^{+}\pi^{-}\bar{K}^{*}, \bar{\Lambda}_{c}^{-} \to K^{*-}\bar{\Lambda}, \bar{K}^{*} \to \pi^{+}K^{-}, K^{*-} \to \pi^{-}\bar{K}^{0}, \bar{\Lambda} \to \pi^{0}\bar{n}, \bar{K}^{0} \to K_{L} (e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\bar{n}p\gamma\gamma\gamma\gamma\gamma)$	134	130	1	135
136	$e^{+}e^{-} \rightarrow \pi^{0}\pi^{0}\bar{K}^{0}\bar{D}^{*-}D_{s}^{*+}, \bar{K}^{0} \rightarrow K_{L}, \bar{D}^{*-} \rightarrow \pi^{-}\bar{D}^{0}, D_{s}^{*+} \rightarrow D_{s}^{+}\gamma, K_{L} \rightarrow \pi^{0}\pi^{0}\pi^{0}, \bar{D}^{0} \rightarrow \pi^{0}\pi^{0}K_{S},$ $D_{s}^{+} \rightarrow \rho^{+}\eta, K_{S} \rightarrow \pi^{0}\pi^{0}, \rho^{+} \rightarrow \pi^{0}\pi^{+}, \eta \rightarrow \pi^{0}\pi^{0}\pi^{0}$ $(e^{+}e^{-} \rightarrow \pi^{+}\pi^{-}\gamma)$	135	131	1	136
137	$(e^{+}e^{-} \to \pi^{+}\pi^{-}\gamma)$ $e^{+}e^{-} \to \pi^{0}\pi^{0}\pi^{0}\rho^{0}\pi^{+}D^{*0}D'_{1}^{-}, \rho^{0} \to \pi^{+}\pi^{-}, D^{*0} \to \pi^{0}D^{0}, D'_{1}^{-} \to \pi^{-}\bar{D}^{*0}, D^{0} \to \eta K_{S}, \bar{D}^{*0} \to \bar{D}^{0}\gamma,$ $\eta \to \pi^{0}\pi^{+}\pi^{-}, K_{S} \to \pi^{+}\pi^{-}, \bar{D}^{0} \to \rho^{-}K^{*+}, \pi^{0} \to e^{+}e^{-}, \rho^{-} \to \pi^{0}\pi^{-}, K^{*+} \to \pi^{+}K^{0},$ $K^{0} \to K_{S}, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to e^{+}e^{-}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	136	132	1	137
138	$e^{+}e^{-} \to \pi^{+}\bar{K}^{0}K^{*}D^{-}D^{0}, \bar{K}^{0} \to K_{L}, K^{*} \to \pi^{-}K^{+}, D^{-} \to K_{S}a_{1}^{-}, D^{0} \to \pi^{0}\pi^{0}\pi^{+}\pi^{-}, K_{S} \to \pi^{0}\pi^{0},$ $a_{1}^{-} \to \pi^{0}\rho^{-}, \rho^{-} \to \pi^{0}\pi^{-}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	137	133	1	138
139	$e^{+}e^{-} \to K^{*-}D_{s}^{*+}p\bar{\Lambda}_{c}^{-}, K^{*-} \to \pi^{-}\bar{K}^{0}, D_{s}^{*+} \to D_{s}^{+}\gamma, \bar{\Lambda}_{c}^{-} \to \pi^{0}\pi^{+}\pi^{-}\bar{p}, \bar{K}^{0} \to K_{L}, D_{s}^{+} \to \pi^{0}\pi^{0}\pi^{+}\eta, \\ \eta \to \pi^{0}\pi^{0}\pi^{0} $ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	138	134	1	139
140	$e^{+}e^{-} \rightarrow \rho^{0}K^{-}\bar{D}^{*0}D_{s}^{*+}, \rho^{0} \rightarrow \pi^{+}\pi^{-}, \bar{D}^{*0} \rightarrow \bar{D}^{0}\gamma, D_{s}^{*+} \rightarrow \pi^{0}D_{s}^{+}, \bar{D}^{0} \rightarrow \rho^{0}K^{*}, D_{s}^{+} \rightarrow \pi^{0}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}, \\ \rho^{0} \rightarrow \pi^{+}\pi^{-}, K^{*} \rightarrow \pi^{-}K^{+} \\ (e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma)$	139	135	1	140
141	$e^{+}e^{-} \to \pi^{0}\rho^{0}\rho^{+}K^{-}\bar{D}^{*-}D_{s0}^{*+}, \rho^{0} \to \pi^{+}\pi^{-}, \rho^{+} \to \pi^{0}\pi^{+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D_{s0}^{*+} \to \pi^{0}D_{s}^{+}, \bar{D}^{0} \to e^{-}\bar{\nu}_{e}\pi^{+},$ $D_{s}^{+} \to \rho^{+}\eta', \rho^{+} \to \pi^{0}\pi^{+}, \eta' \to \pi^{+}\pi^{-}\eta, \eta \to \gamma\gamma$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	140	136	1	141
142	$e^{+}e^{-} \to \pi^{0}\pi^{+}\pi^{-}\omega\bar{D}^{*-}\bar{n}\Lambda_{c}^{+}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \bar{D}^{*-} \to \pi^{0}D^{-}, \Lambda_{c}^{+} \to \omega\Sigma^{*+}, D^{-} \to \pi^{0}\pi^{+}\pi^{-}\pi^{-}K^{0}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \Sigma^{*+} \to \pi^{+}\Lambda, K^{0} \to K_{L}, \Lambda \to \pi^{-}p$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	141	137	1	142
143	$e^{+}e^{-} \to \pi^{0}\pi^{+}\pi^{+}\pi^{-}\rho^{-}\bar{K}^{*}D^{-}D_{s}^{*+}, \rho^{-} \to \pi^{0}\pi^{-}, \bar{K}^{*} \to \pi^{+}K^{-}, D^{-} \to \pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}, D_{s}^{*+} \to D_{s}^{+}\gamma, D_{s}^{+} \to e^{+}\nu_{e}K^{0}, K^{0} \to K_{L}$ $(e^{+}e^{-} \to e^{+}\nu_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma)$	142	138	1	143
144	$e^{+}e^{-} \to \pi^{-}\rho^{+}K^{*}D^{*+}D_{s}^{*-}, \rho^{+} \to \pi^{0}\pi^{+}, K^{*} \to \pi^{-}K^{+}, D^{*+} \to \pi^{+}D^{0}, D_{s}^{*-} \to D_{s}^{-}\gamma, D^{0} \to \mu^{+}\nu_{\mu}K^{-}, D_{s}^{-} \to \pi^{0}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma)$	143	139	1	144
145	$e^{+}e^{-} \to \omega D^{*+}\bar{D}^{*-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{0} \to \pi^{0}\pi^{0}, \bar{D}^{0} \to \pi^{0}K_{L}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	144	140	1	145

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
146	$e^{+}e^{-} \to \pi^{0}\rho^{+}K^{-}D_{s}^{+}D_{0}^{*-}, \rho^{+} \to \pi^{0}\pi^{+}, D_{s}^{+} \to \rho^{+}K^{*}, D_{0}^{*-} \to \pi^{-}\bar{D}^{0}, \rho^{+} \to \pi^{0}\pi^{+}, K^{*} \to \pi^{0}K^{0},$ $\bar{D}^{0} \to e^{-}\bar{\nu}_{e}K^{+}, \pi^{0} \to e^{+}e^{-}, K^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}e^{-}e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	145	141	1	146
147	$e^{+}e^{-} \to \pi^{0}K^{0}K^{+}K^{*-}D^{*+}D_{s}^{-}, K^{0} \to K_{S}, K^{*-} \to \pi^{-}\bar{K}^{0}, D^{*+} \to \pi^{0}D^{+}, D_{s}^{-} \to \mu^{-}\bar{\nu}_{\mu}\eta, K_{S} \to \pi^{+}\pi^{-}, \\ \bar{K}^{0} \to K_{L}, D^{+} \to \pi^{+}\pi^{+}K^{-}, \eta \to \pi^{0}\pi^{0}\pi^{0} \\ (e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	146	142	1	147
148	$e^{+}e^{-} \rightarrow \pi^{0}\pi^{0}\pi^{+}\bar{D}^{*-}D_{2}^{*0}, \bar{D}^{*-} \rightarrow \pi^{-}\bar{D}^{0}, D_{2}^{*0} \rightarrow \pi^{-}D^{*+}, \bar{D}^{0} \rightarrow \pi^{-}K^{+}, D^{*+} \rightarrow \pi^{+}D^{0}, D^{0} \rightarrow \pi^{0}\pi^{+}K^{-} \\ (e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	147	143	1	148
149	$e^{+}e^{-} \to \pi^{0}D^{*+}\bar{D}^{*0}n\bar{p}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, D^{0} \to \pi^{0}\pi^{+}K^{-}, \bar{D}^{0} \to \pi^{0}\pi^{0}K_{L}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}K^{-}n\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	148	144	1	149
150	$e^{+}e^{-} \to \pi^{0}\pi^{-}\eta D^{*+}\bar{D}^{*0}, \eta \to \pi^{0}\pi^{+}\pi^{-}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, D^{0} \to e^{+}\nu_{e}\pi^{0}K^{-}, \bar{D}^{0} \to K_{L}\pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	149	145	1	150
151	$e^{+}e^{-} \to \pi^{0}\pi^{0}\rho^{0}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\rho^{+}\bar{D}^{*-}D^{0}, \rho^{0} \to \pi^{+}\pi^{-}, \rho^{+} \to \pi^{0}\pi^{+}, \bar{D}^{*-} \to \pi^{0}D^{-}, D^{0} \to e^{+}\nu_{e}\pi^{-}\bar{K}^{0}, D^{-} \to e^{-}\bar{\nu}_{e}K^{*}, \\ \bar{K}^{0} \to K_{L}, K^{*} \to \pi^{-}K^{+} \\ (e^{+}e^{-} \to e^{+}e^{-}\nu_{e}\bar{\nu}_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	150	146	1	151
152	$e^{+}e^{-} \to \pi^{-}\phi D_{s}^{+}\Sigma^{*+}\bar{\Lambda}_{c}^{-}, \phi \to K_{L}K_{S}, D_{s}^{+} \to \bar{K}^{0}K^{*+}, \Sigma^{*+} \to \pi^{+}\Lambda, \bar{\Lambda}_{c}^{-} \to \pi^{0}K^{0}\bar{p}, K_{S} \to \pi^{+}\pi^{-}, \\ \bar{K}^{0} \to K_{L}, K^{*+} \to \pi^{+}K^{0}, \Lambda \to \pi^{-}p, K^{0} \to K_{L}, K^{0} \to K_{L} \\ (e^{+}e^{-} \to K_{L}K_{L}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}p\bar{p}\gamma\gamma)$	151	147	1	152
153	$e^{+}e^{-} \to \pi^{0}\pi^{+}\omega K^{0}K^{*-}D_{0}^{*+}D_{1}^{\prime-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, K^{0} \to K_{L}, K^{*-} \to \pi^{-}\bar{K}^{0}, D_{0}^{*+} \to \pi^{+}D^{0}, D_{1}^{\prime-} \to \pi^{0}\bar{D}^{*-}, \\ \bar{K}^{0} \to K_{S}, D^{0} \to \rho^{0}\bar{K}^{*}, \bar{D}^{*-} \to \pi^{0}D^{-}, K_{S} \to \pi^{+}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-}, \bar{K}^{*} \to \pi^{+}K^{-}, \\ D^{-} \to \pi^{0}K_{L}\pi^{-} \\ (e^{+}e^{-} \to K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	152	148	1	153
154	$e^{+}e^{-} \to \pi^{0}\pi^{-}p\bar{\Lambda}_{c}^{-}D_{1}^{+}, \bar{\Lambda}_{c}^{-} \to \pi^{-}\pi^{-}\bar{\Sigma}^{+}, D_{1}^{+} \to \pi^{+}D^{*0}, \bar{\Sigma}^{+} \to \pi^{+}\bar{n}, D^{*0} \to D^{0}\gamma, D^{0} \to \pi^{0}\pi^{+}K^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\bar{n}p\gamma\gamma\gamma\gamma\gamma)$	153	149	1	154
155	$e^{+}e^{-} \to \pi^{0}\pi^{-}\rho^{+}K^{+}D^{0}D_{s}^{*-}, \rho^{+} \to \pi^{0}\pi^{+}, D^{0} \to \pi^{0}K_{L}, D_{s}^{*-} \to D_{s}^{-}\gamma, \pi^{0} \to e^{+}e^{-}, D_{s}^{-} \to \pi^{-}\phi,$ $\phi \to K_{L}K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}e^{-}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma)$	154	150	1	155
156	$e^{+}e^{-} \to \rho^{+}\bar{D}^{*-}p\bar{\Delta}^{+}D_{1}^{\prime 0}, \rho^{+} \to \pi^{0}\pi^{+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, \bar{\Delta}^{+} \to \pi^{0}\bar{p}, D_{1}^{\prime 0} \to \pi^{-}D^{*+}, \bar{D}^{0} \to \pi^{-}K^{+}, \\ D^{*+} \to \pi^{+}D^{0}, D^{0} \to K_{L}\pi^{+}\pi^{-} \\ (e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}p\bar{p}\gamma\gamma\gamma\gamma)$	155	151	1	156
157	$e^{+}e^{-} \rightarrow \rho^{+}\bar{D}^{*-}\bar{\Delta}^{0}\Sigma_{c}^{*0}, \rho^{+} \rightarrow \pi^{0}\pi^{+}, \bar{D}^{*-} \rightarrow \pi^{-}\bar{D}^{0}, \bar{\Delta}^{0} \rightarrow \pi^{0}\bar{n}, \Sigma_{c}^{*0} \rightarrow \pi^{-}\Lambda_{c}^{+}, \bar{D}^{0} \rightarrow \mu^{-}\bar{\nu}_{\mu}K^{+}, \\ \Lambda_{c}^{+} \rightarrow \pi^{+}\eta\Sigma^{0}, \eta \rightarrow \gamma\gamma, \Sigma^{0} \rightarrow \Lambda\gamma, \Lambda \rightarrow \pi^{-}p \\ (e^{+}e^{-} \rightarrow \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma)$	156	152	1	157
158	$e^{+}e^{-} \to \pi^{+}\pi^{-}K^{0}K^{-}K^{-}K^{*+}D^{*+}\bar{D}^{*0}, K^{0} \to K_{L}, K^{*+} \to \pi^{+}K^{0}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, K^{0} \to K_{S},$ $D^{0} \to \pi^{+}\pi^{-}K_{S}, \bar{D}^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S}, K_{S} \to \pi^{+}\pi^{-}, K_{S} \to \pi^{+}\pi^{-}, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	157	153	1	158

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
159	$e^{+}e^{-} \to \rho^{0}\pi^{+}\rho^{-}\eta D^{*+}\bar{D}^{*-}, \rho^{0} \to \pi^{+}\pi^{-}, \rho^{-} \to \pi^{0}\pi^{-}, \eta \to \gamma\gamma, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{*-} \to \pi^{0}D^{-},$ $D^{0} \to \pi^{+}\pi^{-}\bar{K}^{*}, D^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{-}K^{+}, \bar{K}^{*} \to \pi^{+}K^{-}$ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	158	154	1	159
160	$e^{+}e^{-} \to \pi^{+}K^{-}D_{s}^{+}n\bar{\Lambda}_{c}^{-}, D_{s}^{+} \to \pi^{+}f_{0}(980), \bar{\Lambda}_{c}^{-} \to \pi^{0}\rho^{0}\bar{\Sigma}^{-}, f_{0}(980) \to \pi^{+}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-}, \bar{\Sigma}^{-} \to \pi^{0}\bar{p}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}n\bar{p}\gamma\gamma\gamma\gamma)$	159	155	1	160
161	$e^{+}e^{-} \to D^{+}\bar{D}^{*-}, D^{+} \to \mu^{+}\nu_{\mu}\bar{K}^{0}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, \bar{K}^{0} \to K_{S}, \bar{D}^{0} \to \pi^{+}\pi^{-}K^{*}, K_{S} \to \pi^{+}\pi^{-}, K^{*} \to \pi^{0}K^{0}, K^{0} \to K_{L} $ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma)$	160	156	1	161
162	$e^{+}e^{-} \to \rho^{0}K^{+}K^{+}K^{-}D^{*0}D_{s}^{-}, \rho^{0} \to \pi^{+}\pi^{-}, D^{*0} \to \pi^{0}D^{0}, D_{s}^{-} \to \rho^{-}\phi, D^{0} \to \pi^{0}\pi^{+}\pi^{-}\bar{K}^{*}, \rho^{-} \to \pi^{0}\pi^{-}, $ $\phi \to K_{L}K_{S}, \bar{K}^{*} \to \pi^{+}K^{-}, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	161	157	1	162
163	$e^{+}e^{-} \to \pi^{0}\pi^{+}\rho^{-}K^{*}\bar{K}^{*}D^{*+}\bar{D}^{*-}, \rho^{-} \to \pi^{0}\pi^{-}, K^{*} \to \pi^{-}K^{+}, \bar{K}^{*} \to \pi^{+}K^{-}, D^{*+} \to \pi^{0}D^{+}, \bar{D}^{*-} \to \pi^{0}D^{-},$ $D^{+} \to \mu^{+}\nu_{\mu}\pi^{+}K^{-}, D^{-} \to e^{-}\bar{\nu}_{e}K^{0}, K^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	162	158	1	163
164	$e^{+}e^{-} \to \pi^{+}D^{*+}\bar{D}^{*-}n\bar{p}, D^{*+} \to \pi^{0}D^{+}, \bar{D}^{*-} \to \pi^{0}D^{-}, D^{+} \to e^{+}\nu_{e}\bar{K}^{0}, D^{-} \to \pi^{-}\pi^{-}K^{+}, \bar{K}^{0} \to K_{S},$ $K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}n\bar{p}\gamma\gamma\gamma\gamma)$	163	159	1	164
165	$e^{+}e^{-} \to \pi^{+}D^{-}D^{0}, D^{-} \to \rho^{0}\pi^{-}K^{*}, D^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S}, \rho^{0} \to \pi^{+}\pi^{-}, K^{*} \to \pi^{0}K^{0}, K_{S} \to \pi^{0}\pi^{0}, K^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-} (e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	164	160	1	165
166	$e^{+}e^{-} \rightarrow \pi^{0}\pi^{0}\rho^{0}\pi^{+}\pi^{+}\rho^{-}D_{2}^{*-}D^{0}, \pi^{0} \rightarrow e^{+}e^{-}, \rho^{0} \rightarrow \pi^{+}\pi^{-}, \rho^{-} \rightarrow \pi^{0}\pi^{-}, D_{2}^{*-} \rightarrow \pi^{-}\bar{D}^{*0}, D^{0} \rightarrow K_{L}\pi^{+}\pi^{-}, \bar{D}^{*0} \rightarrow \bar{D}^{0}\gamma, \bar{D}^{0} \rightarrow \mu^{-}\bar{\nu}_{\mu}K^{*+}, K^{*+} \rightarrow \pi^{+}K^{0}, K^{0} \rightarrow K_{L} \\ (e^{+}e^{-} \rightarrow e^{+}e^{-}\mu^{-}\bar{\nu}_{\mu}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma)$	165	161	1	166
167	$e^{+}e^{-} \to \rho^{0}\pi^{+}\pi^{-}D^{*+}\bar{D}^{*-}, \rho^{0} \to \pi^{+}\pi^{-}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{0} \to K_{L}\eta, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, \\ \eta \to \pi^{0}\pi^{+}\pi^{-} \\ (e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma)$	166	162	1	167
168	$e^{+}e^{-} \to \rho^{+}K^{-}D_{s}^{*+}n\bar{\Lambda}_{c}^{-}, \rho^{+} \to \pi^{0}\pi^{+}, D_{s}^{*+} \to D_{s}^{+}\gamma, \bar{\Lambda}_{c}^{-} \to \pi^{0}\pi^{0}\pi^{-}K^{+}\bar{p}, D_{s}^{+} \to \pi^{+}\eta', \eta' \to \rho^{0}\gamma, \\ \rho^{0} \to \pi^{+}\pi^{-} \\ (e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}n\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	167	163	1	168
169	$e^{+}e^{-} \rightarrow \pi^{0}\pi^{-}\omega D^{*+}\bar{D}_{1}^{\prime 0}, \omega \rightarrow \pi^{0}\pi^{+}\pi^{-}, D^{*+} \rightarrow \pi^{0}D^{+}, \bar{D}_{1}^{\prime 0} \rightarrow \pi^{+}\bar{D}^{*-}, D^{+} \rightarrow \pi^{0}\pi^{+}K^{+}K^{-}, \bar{D}^{*-} \rightarrow \pi^{-}\bar{D}^{0}, \\ \bar{D}^{0} \rightarrow e^{-}\bar{\nu}_{e}K^{+} \\ (e^{+}e^{-} \rightarrow e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	168	164	1	169
170	$e^{+}e^{-} \to \pi^{+}\pi^{-}\bar{D}^{*-}D_{1}^{\prime+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D_{1}^{\prime+} \to \pi^{0}D^{*+}, \bar{D}^{0} \to \pi^{0}\pi^{+}\pi^{-}K^{*}, D^{*+} \to \pi^{+}D^{0}, K^{*} \to \pi^{0}K^{0},$ $D^{0} \to \pi^{0}\pi^{+}K^{-}, K^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	169	165	1	170

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
171	$e^{+}e^{-} \to \pi^{0}K^{+}D_{s}^{*-}\bar{p}\Lambda_{c}^{+}, D_{s}^{*-} \to D_{s}^{-}\gamma, \Lambda_{c}^{+} \to K^{*-}\Delta^{++}, D_{s}^{-} \to \pi^{-}\eta', K^{*-} \to \pi^{-}\bar{K}^{0}, \Delta^{++} \to \pi^{+}p,$ $\eta' \to \pi^{+}\pi^{-}\eta, \bar{K}^{0} \to K_{S}, \eta \to \gamma\gamma, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}p\bar{p}\gamma\gamma\gamma\gamma\gamma)$	170	166	1	171
172	$e^{+}e^{-} \to \eta K^{-}\bar{D}^{*0}D_{s0}^{*+}, \eta \to \gamma\gamma, \bar{D}^{*0} \to \bar{D}^{0}\gamma, D_{s0}^{*+} \to \pi^{0}D_{s}^{+}, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, D_{s}^{+} \to \bar{K}^{0}K^{*+}, \\ \bar{K}^{0} \to K_{L}, K^{*+} \to \pi^{0}K^{+} \\ (e^{+}e^{-} \to K_{L}\pi^{-}K^{+}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	171	167	1	172
173	$e^{+}e^{-} \to \pi^{-}D^{+}p\bar{\Lambda}_{c}^{-}, D^{+} \to K_{S}K_{S}K^{+}, \bar{\Lambda}_{c}^{-} \to \pi^{0}\pi^{0}\omega\bar{p}, K_{S} \to \pi^{0}\pi^{0}, K_{S} \to \pi^{+}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	172	168	1	173
174	$e^{+}e^{-} \to \pi^{0}\rho^{0}\omega\bar{D}^{*-}D_{0}^{*+}, \rho^{0} \to \pi^{+}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D_{0}^{*+} \to \pi^{0}D^{+}, \bar{D}^{0} \to \rho^{-}K^{*+},$ $D^{+} \to e^{+}\nu_{e}\pi^{+}K^{-}, \rho^{-} \to \pi^{0}\pi^{-}, K^{*+} \to \pi^{+}K^{0}, K^{0} \to K_{L}$ $(e^{+}e^{-} \to e^{+}\nu_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	173	169	1	174
175	$e^{+}e^{-} \to \rho^{0}\pi^{+}\rho^{-}\rho^{-}D^{+}\bar{D}^{*0}, \rho^{0} \to \pi^{+}\pi^{-}, \rho^{-} \to \pi^{0}\pi^{-}, \rho^{-} \to \pi^{0}\pi^{-}, D^{+} \to \pi^{0}\pi^{+}K_{S}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, K_{S} \to \pi^{+}\pi^{-}, \bar{D}^{0} \to e^{-}\bar{\nu}_{e}K^{*+}, K^{*+} \to \pi^{0}K^{+} $ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	174	170	1	175
176	$e^{+}e^{-} \to \pi^{0}K^{+}K^{-}\bar{D}^{0}\bar{p}\Lambda_{c}^{+}, \bar{D}^{0} \to e^{-}\bar{\nu}_{e}K^{+}, \Lambda_{c}^{+} \to \pi^{+}\rho^{-}\Sigma^{+}, \rho^{-} \to \pi^{0}\pi^{-}, \Sigma^{+} \to \pi^{0}p$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{-}K^{+}K^{+}K^{-}p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma)$	175	171	1	176
177	$e^{+}e^{-} \to \rho^{0}\pi^{+}K^{+}K^{-}\bar{D}^{*-}D^{0}, \rho^{0} \to \pi^{+}\pi^{-}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{0} \to K_{L}\omega, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, K_{L} \to \pi^{0}\pi^{0}\pi^{0}, \\ \omega \to \pi^{0}\pi^{+}\pi^{-}, \pi^{0} \to e^{+}e^{-} \\ (e^{+}e^{-} \to e^{+}e^{-}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	176	172	1	177
178	$e^{+}e^{-} \rightarrow \pi^{0}\pi^{0}\rho^{0}D^{0}\bar{D}_{0}^{*0}, \rho^{0} \rightarrow \pi^{+}\pi^{-}, D^{0} \rightarrow \pi^{+}\pi^{+}\pi^{-}K^{-}, \bar{D}_{0}^{*0} \rightarrow \pi^{+}D^{-}, D^{-} \rightarrow e^{-}\bar{\nu}_{e}K^{0}, K^{0} \rightarrow K_{L}$ $(e^{+}e^{-} \rightarrow e^{-}\bar{\nu}_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma)$	177	173	1	178
179	$e^{+}e^{-} \to \bar{K}^{0}K^{+}\bar{D}^{*-}D^{*0}, \bar{K}^{0} \to K_{S}, \bar{D}^{*-} \to \pi^{0}D^{-}, D^{*0} \to D^{0}\gamma, K_{S} \to \pi^{+}\pi^{-}, D^{-} \to e^{-}\bar{\nu}_{e}K^{*},$ $D^{0} \to \pi^{0}\pi^{+}\pi^{-}\bar{K}^{*}, K^{*} \to \pi^{0}K^{0}, \bar{K}^{*} \to \pi^{+}K^{-}, K^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	178	174	1	179
180	$e^{+}e^{-} \to D^{0}\bar{D}^{0}p\bar{p}, D^{0} \to \rho^{+}K^{*-}, \bar{D}^{0} \to \pi^{+}\pi^{-}\pi^{-}K^{+}, \rho^{+} \to \pi^{0}\pi^{+}, K^{*-} \to \pi^{-}\bar{K}^{0}, \bar{K}^{0} \to K_{L}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}p\bar{p}\gamma\gamma)$	179	175	1	180
181	$e^{+}e^{-} \to D^{-}D^{*+}, D^{-} \to K_{S}K_{S}K^{-}, D^{*+} \to \pi^{+}D^{0}, K_{S} \to \pi^{+}\pi^{-}, K_{S} \to \pi^{+}\pi^{-}, D^{0} \to \pi^{0}\pi^{+}K^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}K^{-}\gamma\gamma)$	180	176	1	181
182	$e^{+}e^{-} \to \pi^{0}\rho^{0}\pi^{+}\pi^{-}D^{*0}\bar{D}_{0}^{*0}, \rho^{0} \to \pi^{+}\pi^{-}, D^{*0} \to \pi^{0}D^{0}, \bar{D}_{0}^{*0} \to \pi^{+}D^{-}, D^{0} \to e^{+}\nu_{e}\pi^{-}\bar{K}^{0}, D^{-} \to e^{-}\bar{\nu}_{e}K^{0}, \\ \bar{K}^{0} \to K_{S}, K^{0} \to K_{L}, K_{S} \to \pi^{+}\pi^{-} \\ (e^{+}e^{-} \to e^{+}e^{-}\nu_{e}\bar{\nu}_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma)$	181	177	1	182
183	$e^{+}e^{-} \to D^{*+}\bar{D}^{*-}, D^{*+} \to \pi^{0}D^{+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{+} \to \pi^{+}\pi^{+}K^{-}, \bar{D}^{0} \to e^{-}\bar{\nu}_{e}K^{+}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{-}K^{+}K^{-}\gamma\gamma)$	182	178	1	183
184	$e^{+}e^{-} \to \pi^{0}\pi^{0}\pi^{0}\pi^{+}\pi^{-}D^{*0}\bar{D}^{*0}, D^{*0} \to \pi^{0}D^{0}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, \pi^{0} \to e^{+}e^{-}, D^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S}, \bar{D}^{0} \to \pi^{0}\pi^{0}\pi^{0}\pi^{+}\pi^{-}, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to e^{+}e^{-}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma)$	183	179	1	184

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
185	$e^{+}e^{-} \to K^{*+}D^{*0}D_{s}^{-}, K^{*+} \to \pi^{+}K^{0}, D^{*0} \to \pi^{0}D^{0}, D_{s}^{-} \to \rho^{-}\eta', K^{0} \to K_{L}, D^{0} \to \pi^{0}\pi^{+}K^{-},$ $\rho^{-} \to \pi^{0}\pi^{-}, \eta' \to \pi^{+}\pi^{-}\eta, \eta \to \pi^{0}\pi^{0}\pi^{0}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	184	180	1	185
186	$e^{+}e^{-} \to \bar{D}^{*-}\bar{n}\Lambda_{c}^{+}, \bar{D}^{*-} \to \pi^{0}D^{-}, \Lambda_{c}^{+} \to \omega\Sigma^{+}, D^{-} \to \pi^{0}K_{L}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \Sigma^{+} \to \pi^{+}n$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma)$	185	181	1	186
187	$e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{-}\bar{D}^{*-}D^{*0}, \bar{D}^{*-} \to \pi^{0}D^{-}, D^{*0} \to \pi^{0}D^{0}, D^{-} \to e^{-}\bar{\nu}_{e}\pi^{-}K^{+}, D^{0} \to \pi^{0}K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma)$	186	182	1	187
188	$e^{+}e^{-} \to \pi^{-}K^{+}D_{s}^{*-}D_{1}^{'+}, D_{s}^{*-} \to D_{s}^{-}\gamma, D_{1}^{'+} \to \pi^{+}D^{*0}, D_{s}^{-} \to e^{-}\bar{\nu}_{e}\phi, D^{*0} \to \pi^{0}D^{0}, \phi \to \pi^{-}\rho^{+},$ $D^{0} \to \pi^{+}K^{-}, \rho^{+} \to \pi^{0}\pi^{+}, \pi^{0} \to e^{+}e^{-}$ $(e^{+}e^{-} \to e^{+}e^{-}e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma)$	187	183	1	188
189	$e^{+}e^{-} \to \pi^{0}\bar{K}^{*}D^{-}D_{s}^{*+}, \bar{K}^{*} \to \pi^{0}\bar{K}^{0}, D^{-} \to e^{-}\bar{\nu}_{e}K^{0}, D_{s}^{*+} \to D_{s}^{+}\gamma, \bar{K}^{0} \to K_{S}, K^{0} \to K_{S},$	188	184	1	189
190	$e^{+}e^{-} \to \pi^{+}\rho^{-}K^{+}D_{s}^{-}D_{1}^{\prime 0}, \rho^{-} \to \pi^{0}\pi^{-}, D_{s}^{-} \to \mu^{-}\bar{\nu}_{\mu}\phi, D_{1}^{\prime 0} \to \pi^{-}D^{*+}, \phi \to K^{+}K^{-}, D^{*+} \to \pi^{0}D^{+}, D^{+} \to \mu^{+}\nu_{\mu}\pi^{+}K^{-}$ $(e^{+}e^{-} \to \mu^{+}\mu^{-}\nu_{\mu}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma)$	189	185	1	190
191	$(e^{+}e^{-} \to \mu^{+}\mu^{-}\nu_{\mu}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma)$ $e^{+}e^{-} \to \pi^{0}\rho^{0}\pi^{-}\rho^{+}\bar{D}^{*0}D_{0}^{*0}, \rho^{0} \to \pi^{+}\pi^{-}, \rho^{+} \to \pi^{0}\pi^{+}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, D_{0}^{*0} \to \pi^{-}D^{+}, \bar{D}^{0} \to \rho^{0}K^{*},$ $D^{+} \to \pi^{+}\pi^{+}K^{*-}, \rho^{0} \to \pi^{+}\pi^{-}, K^{*} \to \pi^{-}K^{+}, K^{*-} \to \pi^{0}K^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	190	186	1	191
192	$e^{+}e^{-} \to \pi^{0}\pi^{0}\rho^{0}\pi^{+}\bar{D}^{*-}D^{*0}, \rho^{0} \to \pi^{+}\pi^{-}, \bar{D}^{*-} \to \pi^{0}D^{-}, D^{*0} \to D^{0}\gamma, D^{-} \to \pi^{0}\pi^{0}\pi^{0}\pi^{-}, D^{0} \to \mu^{+}\nu_{\mu}\rho^{-}, \rho^{-} \to \pi^{0}\pi^{-}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	191	187	1	192
193	$e^{+}e^{-} \to \pi^{0}\pi^{0}K^{*+}D_{s}^{*-}D_{0}^{*0}, K^{*+} \to \pi^{+}K^{0}, D_{s}^{*-} \to D_{s}^{-}\gamma, D_{0}^{*0} \to \pi^{0}D^{0}, K^{0} \to K_{S}, D_{s}^{-} \to \mu^{-}\bar{\nu}_{\mu}\phi,$ $D^{0} \to \mu^{+}\nu_{\mu}K^{*-}, K_{S} \to \pi^{+}\pi^{-}, \phi \to K_{L}K_{S}, K^{*-} \to \pi^{-}\bar{K}^{0}, K_{S} \to \pi^{+}\pi^{-}, \bar{K}^{0} \to K_{L}$ $(e^{+}e^{-} \to \mu^{+}\mu^{-}\nu_{\mu}\bar{\nu}_{\mu}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	192	188	1	193
194	$e^{+}e^{-} \to K^{-}\bar{D}^{*0}\Lambda\bar{\Lambda}D_{s1}^{\prime+}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, \Lambda \to \pi^{0}n, \bar{\Lambda} \to \pi^{0}\bar{n}, D_{s1}^{\prime+} \to D_{s}^{+}\gamma, \bar{D}^{0} \to \pi^{-}\rho^{+},$ $D_{s}^{+} \to e^{+}\nu_{e}\phi, \rho^{+} \to \pi^{0}\pi^{+}, \phi \to K^{+}K^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}\pi^{+}\pi^{-}K^{+}K^{-}K^{-}n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	193	189	1	194
195	$e^{+}e^{-} \to \pi^{0}\rho^{-}D^{*+}\bar{D}^{*0}, \rho^{-} \to \pi^{0}\pi^{-}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, D^{0} \to e^{+}\nu_{e}\pi^{-}\bar{K}^{0}, \bar{D}^{0} \to \pi^{+}\pi^{-}K^{+}K^{-}, \\ \bar{K}^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-} \\ (e^{+}e^{-} \to e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	194	190	1	195
196	$e^{+}e^{-} \to K^{+}K^{-}\bar{D}^{0}D^{*0}, \bar{D}^{0} \to \rho^{-}K^{*+}, D^{*0} \to D^{0}\gamma, \rho^{-} \to \pi^{0}\pi^{-}, K^{*+} \to \pi^{0}K^{+}, D^{0} \to \pi^{0}\pi^{+}K^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{-}K^{+}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	195	191	1	196
197	$e^{+}e^{-} \to \bar{K}^{0}K^{*+}\bar{D}^{*-}\bar{p}\Lambda_{c}^{+}, \bar{K}^{0} \to K_{S}, K^{*+} \to \pi^{+}K^{0}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, \Lambda_{c}^{+} \to \pi^{0}\pi^{0}\omega\Sigma^{+}, K_{S} \to \pi^{+}\pi^{-}, K^{0} \to K_{S}, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \Sigma^{+} \to \pi^{0}p, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	196	192	1	197

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
198	$e^{+}e^{-} \to \pi^{0}\pi^{0}\omega K^{*+}D^{*0}D_{s}^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, K^{*+} \to \pi^{+}K^{0}, D^{*0} \to \pi^{0}D^{0}, D_{s}^{-} \to \rho^{-}\eta', K^{0} \to K_{S},$ $D^{0} \to \pi^{0}\pi^{+}K^{-}, \rho^{-} \to \pi^{0}\pi^{-}, \eta' \to \pi^{+}\pi^{-}\eta, K_{S} \to \pi^{0}\pi^{0}, \eta \to \pi^{0}\pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	197	193	1	198
199	$e^{+}e^{-} \to \pi^{0}\pi^{-}\eta'\bar{D}_{0}^{*0}D_{1}^{'+}, \pi^{0} \to e^{+}e^{-}, \eta' \to \pi^{0}\pi^{0}\eta, \bar{D}_{0}^{*0} \to \pi^{+}D^{-}, D_{1}^{'+} \to \pi^{0}D^{*+}, \eta \to \pi^{0}\pi^{0}\pi^{0},$ $D^{-} \to \pi^{0}\pi^{-}K^{*}, D^{*+} \to \pi^{+}D^{0}, K^{*} \to \pi^{0}K^{0}, D^{0} \to e^{+}\nu_{e}K^{*-}, K^{0} \to K_{L}, K^{*-} \to \pi^{0}K^{-}$ $(e^{+}e^{-} \to e^{+}e^{+}e^{-}\nu_{e}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}\gamma)$	198	194	1	199
200	$e^{+}e^{-} \to \pi^{+}\pi^{-}K^{0}\bar{K}^{0}K^{+}K^{-}D^{*+}\bar{D}^{*-}, K^{0} \to K_{S}, \bar{K}^{0} \to K_{S}, D^{*+} \to \pi^{0}D^{+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, K_{S} \to \pi^{0}\pi^{0}, K_{S} \to \pi^{+}\pi^{-}, D^{+} \to \pi^{+}\pi^{+}K^{-}, \bar{D}^{0} \to e^{-}\bar{\nu}_{e}\pi^{0}K^{+}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	199	195	1	200

Table 2: Event initial-final states.

index	event initial-final states	iEvtIFSts	nEvts	nCmltEvts
1	$e^+e^- \to \pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma$	0	2	2
2	$e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma$	22	2	4
3	$e^+e^- \to e^+\nu_e K_L \pi^+ \pi^+ \pi^- \pi^- \pi^- \gamma \gamma \gamma \gamma \gamma \gamma$	39	2	6
4	$e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma$	80	2	8
5	$e^+e^- \to K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- K^+ \gamma \gamma$	4	1	9
6	$e^+e^- \to \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-p\bar{p}\gamma\gamma\gamma\gamma\gamma$	5	1	10
7	$e^+e^- \to e^-\bar{\nu}_e\mu^+\nu_\mu\pi^+\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	6	1	11
8	$e^+e^- \to K_L \pi^+ \pi^+ \pi^- \pi^- \pi^- K^+ K^- \gamma \gamma \gamma \gamma \gamma \gamma \gamma \gamma$	7	1	12
9	$e^+e^- \to K_L \pi^+ \pi^- \pi^- \bar{n} p \gamma $	8	1	13
10	$e^+e^- \to K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- K^- \gamma \gamma$	9	1	14
11	$e^+e^- \to \mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma$	10	1	15
12	$e^+e^- \to \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^-\gamma$	11	1	16
13	$e^{+}e^{-} \rightarrow e^{+}e^{-}e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma$	12	1	17
14	$e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma\gamma\gamma\gamma$	13	1	18
15	$e^{+}e^{-} \to \mu^{-}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}n\bar{p}\gamma\gamma\gamma\gamma\gamma$	14	1	19
16	$e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma$	15	1	20
17	$e^+e^- \to \pi^+\pi^- K^+ nn\bar{n}\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	16	1	21
18	$e^+e^- \to \mu^+\nu_\mu K_L\pi^+K^-n\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	17	1	22
19	$e^+e^- \to e^+\nu_e\pi^+\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	18	1	23
20	$e^+e^- \to \pi^+\pi^+\pi^-\pi^-\pi^-\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	19	1	24
21	$e^+e^- \to K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \gamma \gamma$	20	1	25
22	$e^+e^- \to e^+\nu_e K_L \pi^+\pi^+\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	21	1	26
23	$e^+e^- \rightarrow e^-\nu_e\mu^+\mu^-\nu_\mu\bar{\nu}_\mu\pi^+\pi^+\pi^-\gamma\gamma$	1	1	27
24	$e^+e^- \to \pi^+\pi^+\pi^+\pi^-\pi^-p\bar{p}\gamma\gamma\gamma\gamma$	23	1	28
25	$e^+e^- \to K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- K^+ K^+ \gamma \gamma$	24	1	29
26	$e^+e^- \to \mu^-\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^-\pi^-n\bar{n}\gamma\gamma\gamma\gamma\gamma$	25	1	30
27	$e^+e^- \to K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^-K^-\gamma$	26	1	31
28	$e^+e^- \to e^-\bar{\nu}_e K_L \pi^+\pi^+\pi^+\pi^-\pi^- K^+K^-\gamma\gamma\gamma\gamma\gamma$	27	1	32
29	$e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma$	28	1	33
30	$e^+e^- \to \mu^+\nu_\mu\pi^+\pi^+\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	29	1	34
31	$e^+e^- \to e^-\bar{\nu}_e K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^+ \gamma \gamma$	30	1	35
32	$e^+e^- \to \mu^-\bar{\nu}_\mu K_L \pi^+\pi^+\pi^- K^+ K^- \gamma \gamma \gamma \gamma$	31	1	36

index	event initial-final states	iEvtIFSts	nEvts	nCmltEvts
33	$e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma$	32	1	37
34	$e^+e^- \to e^+\nu_e\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+p\bar{p}\gamma\gamma\gamma\gamma$	33	1	38
35	$e^+e^- \to \pi^+\pi^+\pi^+\pi^-\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	34	1	39
36	$e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma$	35	1	40
37	$e^{+}e^{-} \to e^{+}e^{-}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}p\bar{p}\gamma\gamma\gamma\gamma$	36	1	41
38	$e^+e^- \to \pi^+\pi^+\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	37	1	42
39	$e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma$	38	1	43
40	$e^+e^- \to e^+e^-\nu_e\bar{\nu}_e\pi^+\pi^+\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma$	2	1	44
41	$e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma$	40	1	45
42	$e^+e^- \to e^+\nu_e K_L \pi^+ \pi^+ \pi^- K^- K^- \gamma \gamma$	41	1	46
43	$e^+e^- \to \pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	42	1	47
44	$e^{+}e^{-} \rightarrow e^{+}e^{-}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma$	43	1	48
45	$e^+e^- \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma$	44	1	49
46	$e^+e^- \rightarrow e^+e^-K_LK_L\pi^+\pi^-K^+K^+K^-K^-\gamma\gamma\gamma\gamma\gamma$	45	1	50
47	$e^+e^- \to \mu^+\nu_\mu K_L \pi^+\pi^-\pi^- K^+ n\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma$	46	1	51
48	$e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma$	47	1	52
49	$e^+e^- \to \mu^+\nu_\mu K_L\pi^+\pi^+\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma$	48	1	53
50	$e^+e^- \to e^+\nu_e\pi^+\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	49	1	54
51	$e^+e^- \to \pi^+\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	50	1	55
52	$e^+e^- \to e^-\bar{\nu}_e K_L \pi^+ \pi^+ \pi^- \pi^- K^+ K^+ K^- \gamma \gamma \gamma \gamma \gamma \gamma$	51	1	56
53	$e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	52	1	57
54	$e^+e^- \to \mu^-\bar{\nu}_\mu K_L \pi^+\pi^+\pi^-\pi^-\pi^-K^+K^+\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma$	53	1	58
55	$e^+e^- \to \mu^-\bar{\nu}_{\mu}K_LK_L\pi^+\pi^+\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	54	1	59
56	$e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}K^{-}\gamma\gamma$	55	1	60
57	$e^+e^- \to \mu^+\nu_\mu\pi^-\pi^-K^+K^-\bar{n}p\gamma\gamma\gamma\gamma\gamma$	56	1	61
58	$e^{+}e^{-} \to e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma$	57	1	62
59	$e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma$	58	1	63
60	$e^+e^- \to K_L \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \gamma \gamma$	59	1	64
61	$e^+e^- \to \mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^-n\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	60	1	65
62	$e^+e^- \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	61	1	66
63	$e^+e^- \to e^+e^-\nu_e\bar{\nu}_eK_LK_L\pi^+\pi^-\gamma\gamma\gamma\gamma$	62	1	67
64	$e^+e^- \to e^+\nu_e\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	63	1	68

index	event initial-final states	iEvtIFSts	nEvts	nCmltEvts
65	$e^+e^- \to e^-\bar{\nu}_e K_L K_L \pi^+ \pi^+ \pi^- \pi^- \gamma \gamma$	64	1	69
66	$e^+e^- \rightarrow \pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma$	65	1	70
67	$e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	66	1	71
68	$e^+e^- \to \pi^+\pi^-K^-\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	67	1	72
69	$e^{+}e^{-} \rightarrow e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}n\bar{p}\gamma$	68	1	73
70	$e^+e^- \to \pi^+\pi^+\pi^-\pi^-\pi^-K^+K^-\bar{n}p\gamma$	69	1	74
71	$e^+e^- \to \mu^-\bar{\nu}_\mu\pi^+\pi^+\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	70	1	75
72	$e^+e^- \to \mu^+\nu_\mu K_L K_L K_L \pi^+\pi^+\pi^-\pi^-\pi^- K^+ K^- \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	71	1	76
73	$e^+e^- \to K_L \pi^+ \pi^+ \pi^- \pi^- \pi^- K^+ \gamma \gamma \gamma \gamma \gamma$	72	1	77
74	$e^+e^- \rightarrow \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+\gamma$	73	1	78
75	$e^+e^- \to \pi^+\pi^+\pi^-\pi^- p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	74	1	79
76	$e^+e^- \to e^-\nu_e K_L \pi^+ \pi^+ \pi^+ \pi^- \pi^- \gamma \gamma \gamma \gamma$	75	1	80
77	$e^{+}e^{-} \rightarrow e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma$	76	1	81
78	$e^+e^- \to e^+\nu_e K_L \pi^+\pi^- K^+ K^+ K^- K^- K^- \gamma \gamma \gamma \gamma$	77	1	82
79	$e^+e^- \rightarrow \pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma$	78	1	83
80	$e^+e^- \rightarrow \pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	79	1	84
81	$e^+e^- \rightarrow e^+e^+e^-\nu_e K_L K_L \pi^+\pi^+\pi^-\pi^- K^-\gamma\gamma\gamma\gamma$	3	1	85
82	$e^+e^- \to K_L K_L K_L \pi^+ \pi^- \pi^- K^+ \gamma \gamma$	81	1	86
83	$e^+e^- \rightarrow \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma$	82	1	87
84	$e^+e^- \to K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^+ \gamma \gamma$	83	1	88
85	$e^+e^- \to \pi^+\pi^+\pi^+\pi^-\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	84	1	89
86	$e^+e^- \to e^- \bar{\nu}_e \pi^+ \pi^+ \pi^+ \pi^- \pi^- K^+ K^- p \bar{p} \gamma \gamma \gamma \gamma \gamma \gamma \gamma$	85	1	90
87	$e^+e^- \to K_L \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^+ K^- \gamma \gamma \gamma \gamma \gamma \gamma \gamma$	86	1	91
88	$e^+e^- \to \mu^+\nu_\mu\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma$	87	1	92
89	$e^+e^- \to e^+\nu_e\mu^-\bar{\nu}_\mu K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-$	88	1	93
90	$e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma$	89	1	94
91	$e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\bar{n}p\gamma$	90	1	95
92	$e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma$	91	1	96
93	$e^+e^- \to \pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^-\gamma$	92	1	97
94	$e^+e^- \to \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	93	1	98
95	$e^+e^- \to K_L K_L \pi^+ \pi^+ \pi^- \pi^- \gamma \gamma \gamma \gamma \gamma \gamma$	94	1	99
96	$e^+e^- \to \pi^+\pi^+\pi^+\pi^-\pi^-K^-p\bar{p}\gamma\gamma\gamma\gamma\gamma$	95	1	100

index	event initial-final states	iEvtIFSts	nEvts	nCmltEvts
97	$e^+e^- \rightarrow \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma$	96	1	101
98	$e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma$	97	1	102
99	$e^+e^- \rightarrow e^-\bar{\nu}_e\pi^+K^+K^-K^-\gamma\gamma\gamma\gamma$	98	1	103
100	$e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma$	99	1	104
101	$e^+e^- \rightarrow e^+\nu_e\pi^+\pi^+\pi^+\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma$	100	1	105
102	$e^+e^- \to K_L \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- K^- \gamma \gamma \gamma \gamma \gamma \gamma \gamma \gamma$	101	1	106
103	$e^+e^- \to e^-\bar{\nu}_e\mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	102	1	107
104	$e^+e^- \to \pi^+\pi^-K^+K^-\gamma\gamma\gamma$	103	1	108
105	$e^+e^- \to K_L \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^+ \gamma \gamma$	104	1	109
106	$e^+e^- \to K_L K_L \pi^+ \pi^+ \pi^- \pi^- \bar{n} p \gamma \gamma \gamma \gamma$	105	1	110
107	$e^+e^- \to K_L \pi^+ \pi^+ \pi^- \pi^- \pi^- K^+ \gamma \gamma$	106	1	111
108	$e^+e^- \to \pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+\gamma$	107	1	112
109	$e^+e^- \to K_L \pi^+ \pi^+ \pi^+ \pi^- \pi^- K^- \gamma \gamma$	108	1	113
110	$e^+e^- \to K_L \pi^+ \pi^+ \pi^- \pi^- \pi^- K^+ K^- \gamma \gamma$	109	1	114
111	$e^+e^- \to \pi^+\pi^+\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	110	1	115
112	$e^+e^- \to \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^-\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	111	1	116
113	$e^+e^- \to K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- K^+ n \bar{n} \gamma \gamma$	112	1	117
114	$e^{+}e^{-} \to \mu^{-}\nu_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma$	113	1	118
115	$e^+e^- \to e^-\bar{\nu}_e K_L \pi^+\pi^+\pi^+\pi^+\pi^-\pi^- K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	114	1	119
116	$e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{-}K^{+}K^{-}\gamma\gamma$	115	1	120
117	$e^+e^- \to e^+\nu_e\pi^+\pi^+\pi^+\pi^-\pi^-K^-n\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	116	1	121
118	$e^+e^- \to e^-\bar{\nu}_e\pi^+\pi^+\pi^+\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	117	1	122
119	$e^+e^- \to \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\bar{n}p\gamma\gamma\gamma\gamma$	118	1	123
120	$e^+e^- \to \pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	119	1	124
121	$e^+e^- \to \pi^+\pi^+\pi^-\pi^-\pi^-K^+K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma$	120	1	125
122	$e^{+}e^{-} \to e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma$	121	1	126
123	$e^+e^- \to e^-\bar{\nu}_e\pi^+\pi^+\pi^+\pi^+\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma$	122	1	127
124	$e^+e^- \to e^+e^-\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^-\gamma$	123	1	128
125	$e^+e^- \to \pi^+\pi^+\pi^-\pi^-\bar{n}pp\bar{p}\gamma\gamma\gamma\gamma$	124	1	129
126	$e^+e^- \rightarrow \pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma$	125	1	130
127	$e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma$	126	1	131
128	$e^+e^- \to \mu^+\nu_\mu K_L\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+\gamma$	127	1	132

index	event initial-final states	iEvtIFSts	nEvts	nCmltEvts
129	$e^+e^- \to K_L K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- K^- \gamma \gamma$	128	1	133
130	$e^+e^- \to \pi^+\pi^+\pi^+\pi^-\pi^-K^+K^-K^-\gamma$	129	1	134
131	$e^+e^- \to K_L \pi^+ \pi^+ \pi^- \pi^- \pi^- K^- \bar{n} p \gamma \gamma \gamma \gamma \gamma$	130	1	135
132	$e^{+}e^{-} \to \pi^{+}\pi^{-}\gamma$	131	1	136
133	$e^+e^- \rightarrow e^+e^-\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	132	1	137
134	$e^+e^- \to K_L \pi^+ \pi^+ \pi^- \pi^- \pi^- K^+ \gamma \gamma$	133	1	138
135	$e^+e^- \to K_L \pi^+ \pi^+ \pi^- \pi^- p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	134	1	139
136	$e^+e^- \rightarrow \pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma$	135	1	140
137	$e^+e^- \to e^- \bar{\nu}_e \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- K^- \gamma \gamma$	136	1	141
138	$e^+e^- \to K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \bar{n}p\gamma$	137	1	142
139	$e^{+}e^{-} \to e^{+}\nu_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma$	138	1	143
140	$e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma$	139	1	144
141	$e^+e^- \to K_L \pi^+ \pi^+ \pi^- \pi^- \gamma \gamma$	140	1	145
142	$e^+e^- \rightarrow e^+e^-e^-\bar{\nu}_e\pi^+\pi^+\pi^+\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma$	141	1	146
143	$e^+e^- \to \mu^-\bar{\nu}_\mu K_L \pi^+\pi^+\pi^+\pi^-\pi^- K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	142	1	147
144	$e^+e^-\to\pi^+\pi^+\pi^+\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma$	143	1	148
145	$e^+e^- \to K_L \pi^+ \pi^+ K^- n \bar{p} \gamma \gamma$	144	1	149
146	$e^+e^- \to e^+\nu_e K_L \pi^+ \pi^+ \pi^- \pi^- \pi^- K^- \gamma \gamma \gamma \gamma \gamma \gamma \gamma$	145	1	150
147	$e^+e^- \to e^+e^-\nu_e\bar{\nu}_eK_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+\gamma$	146	1	151
148	$e^{+}e^{-} \to K_{L}K_{L}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}p\bar{p}\gamma\gamma$	147	1	152
149	$e^+e^- \to K_L K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- K^- \gamma \gamma$	148	1	153
150	$e^+e^- o \pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^-\bar{n}p\gamma\gamma\gamma\gamma\gamma$	149	1	154
151	$e^+e^- \rightarrow e^+e^-K_LK_L\pi^+\pi^+\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma$	150	1	155
152	$e^+e^- \to K_L \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^+ p\bar{p}\gamma\gamma\gamma\gamma$	151	1	156
153	$e^+e^- \to \mu^- \bar{\nu}_\mu \pi^+ \pi^+ \pi^- \pi^- \pi^- K^+ \bar{n} p \gamma \gamma \gamma \gamma \gamma \gamma \gamma$	152	1	157
154	$e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	153	1	158
155	$e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma$	154	1	159
156	$e^+e^- \to \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-K^-n\bar{p}\gamma\gamma\gamma\gamma$	155	1	160
157	$e^{+}e^{-} \to \mu^{+}\nu_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma$	156	1	161
158	$e^+e^- \to K_L \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- K^+ K^+ K^- K^- \gamma \gamma$	157	1	162
159	$e^+e^- \to e^-\bar{\nu}_e\mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	158	1	163
160	$e^+e^- \to e^+\nu_e\pi^+\pi^+\pi^-\pi^-\pi^-K^+n\bar{p}\gamma\gamma\gamma\gamma$	159	1	164

index	event initial-final states	iEvtIFSts	nEvts	nCmltEvts
161	$e^+e^- \to \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	160	1	165
162	$e^{+}e^{-} \to e^{+}e^{-}\mu^{-}\bar{\nu}_{\mu}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma$	161	1	166
163	$e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma$	162	1	167
164	$e^+e^- \to \pi^+\pi^+\pi^+\pi^-\pi^-K^+K^-n\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	163	1	168
165	$e^+e^- \to e^-\bar{\nu}_e\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^+K^-\gamma$	164	1	169
166	$e^+e^- \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	165	1	170
167	$e^+e^- \to \pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+p\bar{p}\gamma\gamma\gamma\gamma\gamma$	166	1	171
168	$e^+e^- \to K_L \pi^- K^+ K^+ K^- \gamma \gamma$	167	1	172
169	$e^+e^- \to \pi^+\pi^+\pi^-\pi^-\pi^-K^+p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	168	1	173
170	$e^+e^- \to e^+\nu_e K_L \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	169	1	174
171	$e^{+}e^{-} \rightarrow e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma$	170	1	175
172	$e^+e^- \to e^-\bar{\nu}_e\pi^+\pi^-K^+K^+K^-p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma$	171	1	176
173	$e^+e^- \rightarrow e^+e^-\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^+K^-\gamma$	172	1	177
174	$e^+e^- \rightarrow e^-\bar{\nu}_e K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- K^- \gamma \gamma \gamma \gamma$	173	1	178
175	$e^+e^- \to e^-\bar{\nu}_e\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	174	1	179
176	$e^+e^- \to K_L \pi^+ \pi^+ \pi^- \pi^- \pi^- K^+ p\bar{p}\gamma\gamma$	175	1	180
177	$e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}K^{-}\gamma\gamma$	176	1	181
178	$e^{+}e^{-} \to e^{+}e^{-}\nu_{e}\bar{\nu}_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma$	177	1	182
179	$e^+e^- \rightarrow e^-\bar{\nu}_e\pi^+\pi^+\pi^-K^+K^-\gamma\gamma$	178	1	183
180	$e^+e^- \rightarrow e^+e^-\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\gamma$	179	1	184
181	$e^+e^- \to K_L \pi^+ \pi^+ \pi^- \pi^- K^- \gamma \gamma$	180	1	185
182	$e^+e^- \to K_L \pi^+ \pi^+ \pi^- \pi^- n \bar{n} \gamma \gamma \gamma \gamma \gamma \gamma$	181	1	186
183	$e^+e^- \rightarrow e^-\bar{\nu}_e\pi^+\pi^+\pi^+\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma$	182	1	187
184	$e^{+}e^{-} \to e^{+}e^{-}e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma$	183	1	188
185	$e^+e^- \to e^-\bar{\nu}_e\pi^+\pi^+\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	184	1	189
186	$e^{+}e^{-} \to \mu^{+}\mu^{-}\nu_{\mu}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma$	185	1	190
187	$e^+e^- \rightarrow \pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	186	1	191
188	$e^+e^- \to \mu^+\nu_\mu\pi^+\pi^+\pi^-\pi^-\pi^-\gamma$	187	1	192
189	$e^+e^- \to \mu^+\mu^-\nu_\mu\bar{\nu}_\mu K_L K_L \pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	188	1	193
190	$e^+e^- \to e^+\nu_e\pi^+\pi^-K^+K^-K^-n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	189	1	194
191	$e^+e^- \to e^+\nu_e\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma$	190	1	195
192	$e^+e^- \to \pi^+\pi^-K^+K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	191	1	196

index	event initial-final states	iEvtIFSts	nEvts	nCmltEvts
193	$e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}p\bar{p}\gamma$	192	1	197
194	$e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma$	193	1	198
195	$e^+e^- \to e^+e^+e^-\nu_e K_L \pi^+\pi^+\pi^-\pi^- K^-\gamma$	194	1	199
196	$e^{+}e^{-} \rightarrow e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}K^{-}\gamma$	195	1	200

Table 3: Exclusive event branches matched with $e^+e^- \to D^{*+} + \text{anything}$.

. ,	Table 5. Exclusive event branches matched with $e^+e^- \rightarrow D^- +$ anything.						
index	exclusive event branch matched with $e^+e^- \rightarrow D^{*+}$ + anything	iEvtBrIncEvtBr1	nEtrs	nCmltEtrs			
1	$e^+e^- \to \pi^0\pi^-D^{*+}\bar{D}^{*0}$	1	3	3			
2	$e^+e^- \to D^-D^{*+}$	0	2	5			
3	$e^{+}e^{-} \to \pi^{0}D^{*+}\bar{D}^{*-}$	2	2	7			
4	$e^+e^- \to D^{*+}\bar{D}^{*-}$	13	2	9			
5	$e^{+}e^{-} \to \pi^{0}\rho^{-}\omega D^{*+}\bar{D}^{*0}$	26	2	11			
6	$e^+e^- \to \rho^0 \pi^+ \pi^- \pi^- D^{*+} \bar{D}^{*0}$	5	1	12			
7	$e^+e^- \to \pi^0 \eta \eta \omega D^{*+} \bar{D}^{*-}$	6	1	13			
8	$e^+e^- \to \pi^- \rho^+ D^{*+} \bar{D}^{*-}$	7	1	14			
9	$e^+e^- \to D^{*+}nn\bar{n}\bar{\Lambda}_c^-$	8	1	15			
10	$e^+e^- \to \pi^0 \rho^0 \pi^+ \pi^- K^+ K^- D^{*+} \bar{D}^{*-}$	9	1	16			
11	$e^+e^- \to \pi^- K^+ K^- D^{*+} \bar{D}^{*0}$	10	1	17			
12	$e^+e^- \to \pi^- \eta D^{*+} p \bar{\Lambda}_c^-$	11	1	18			
13	$e^+e^- \to \pi^- D^{*+} \Delta^+ \bar{\Sigma}_c^{*-}$	12	1	19			
14	$e^+e^- \to \pi^0 D^{*+} D_2^{*-} \bar{n} \Delta^0$	3	1	20			
15	$e^+e^- \to \pi^0\pi^-\bar{K}^0K^{*+}D^{*+}\bar{D}^{*-}$	14	1	21			
16	$e^+e^- \to \eta D^{*+}\bar{D}^{*-}$	15	1	22			
17	$e^+e^- \to \rho^+\rho^-\omega D^{*+}\Delta^-\bar{\Sigma}_c^{*0}$	16	1	23			
18	$e^{+}e^{-} \to \pi^{+}\pi^{-}\pi^{-}\omega D^{*+}\bar{D}^{0}$	17	1	24			
19	$e^{+}e^{-} \to \pi^{0}\pi^{0}\rho^{0}\pi^{+}\pi^{-}D^{-}D^{*+}$	18	1	25			
20	$e^+e^- \to \pi^+\pi^- D^{*+} n\bar{p}\bar{D}_1^{'0}$	19	1	26			
21	$e^+e^- \to \pi^0 \rho^0 \pi^- K^+ K^{*-} D^{*+} \bar{D}^{*0}$	20	1	27			
22	$e^+e^- \to K^0 D^{*+} D_s^{*-}$	21	1	28			
23	$e^+e^- \to \bar{K}^0 K^* D^{*+} \bar{D}^{*-}$	22	1	29			
24	$e^+e^- \to \rho^0 \pi^+ \pi^- \pi^- D^{*+} \bar{D}^0$	23	1	30			
25	$e^{+}e^{-} \to \pi^{0}\pi^{0}\pi^{+}\pi^{-}\pi^{-}D^{*+}D_{s}^{*-}p\bar{\Lambda}$	24	1	31			
26	$e^{+}e^{-} \to \pi^{0}\pi^{+}\pi^{-}\omega D^{*+}\bar{D}^{*-}$	25	1	32			
27	$e^{+}e^{-} \to \pi^{0}\pi^{+}\pi^{-}\rho^{-}\eta D^{*+}\bar{D}^{*0}$	4	1	33			
28	$e^+e^- \to \pi^0\pi^0\pi^+\rho^-D^{*+}\bar{D}^{*-}$	27	1	34			
29	$e^{+}e^{-} \to \pi^{0}\rho^{0}\pi^{-}\rho^{-}D^{*+}\bar{D}^{*0}\bar{\Sigma}^{+}\Sigma^{0}$	28	1	35			
30	$e^{+}e^{-} \to \pi^{+}\pi^{-}\omega D^{*+}\bar{D}^{*-}$	29	1	36			
31	$e^+e^- \to \rho^- K^+ K^- \phi D^{*+} \bar{D}^{*0}$	30	1	37			
32	$e^{+}e^{-} \to \pi^{-}\omega K^{*+}D^{*+}D^{*-}_{s}$	31	1	38			

index	exclusive event branch matched with $e^+e^- \to D^{*+}$ + anything	iEvtBrIncEvtBr1	nEtrs	nCmltEtrs
33	$e^+e^- \to \pi^- \rho^+ K^* D^{*+} D_s^{*-}$	32	1	39
34	$e^+e^- \to \omega D^{*+}\bar{D}^{*-}$	33	1	40
35	$e^+e^- \to \pi^0 K^0 K^+ K^{*-} D^{*+} D_s^-$	34	1	41
36	$e^{+}e^{-} \to \pi^{0}D^{*+}\bar{D}^{*0}n\bar{p}$	35	1	42
37	$e^+e^- \to \pi^0\pi^-\eta D^{*+}\bar{D}^{*0}$	36	1	43
38	$e^+e^- \to \pi^+\pi^-K^0K^-K^-K^{*+}D^{*+}\bar{D}^{*0}$	37	1	44
39	$e^+e^- \to \rho^0 \pi^+ \rho^- \eta D^{*+} \bar{D}^{*-}$	38	1	45
40	$e^+e^- \to \pi^0\pi^+\rho^-K^*\bar{K}^*D^{*+}\bar{D}^{*-}$	39	1	46
41	$e^{+}e^{-} \to \pi^{+}D^{*+}\bar{D}^{*-}n\bar{p}$	40	1	47
42	$e^+e^- \to \rho^0 \pi^+ \pi^- D^{*+} \bar{D}^{*-}$	41	1	48
43	$e^+e^- \to \pi^0\pi^-\omega D^{*+}\bar{D}_1^{'0}$	42	1	49
44	$e^+e^- \to \pi^0 \rho^- D^{*+} \bar{D}^{*0}$	43	1	50
45	$e^{+}e^{-} \to \pi^{+}\pi^{-}K^{0}\bar{K}^{0}K^{+}K^{-}D^{*+}\bar{D}^{*-}$	44	1	51