

Topology Analysis ^{*}

(v1.5)

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November 20, 2018

^{*}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 and Guanda Gong 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	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^0 \pi^0 \rho^0 \pi^+ \bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^+ D^0 D_s^{*-}, \rho^0 \rightarrow \pi^+ \pi^-, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0,$ $D^0 \rightarrow \rho^+ K^{*-}, D_s^{*-} \rightarrow D_s^- \gamma$ $(e^+e^- \rightarrow \pi^+ \pi^+ \pi^+ \pi^- \pi^- \rho^+ K^{*-} \bar{D}^0 D_s^- \gamma \gamma \gamma \gamma)$	0	0	1	1
2	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^- K^{*+} J/\psi, \bar{B}^0 \rightarrow \pi^0 \pi^- D^{*+}, K^{*+} \rightarrow \pi^+ K^0, J/\psi \rightarrow \pi^+ K^0 K^{*-},$ $\pi^0 \rightarrow e^+ e^-, D^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow e^+ e^- \pi^+ \pi^+ \pi^+ \pi^- \pi^- K^0 K^0 K^{*-} D^0)$	1	1	1	2
3	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow K^{*+} \bar{D}^{*-} D^{*0}, \bar{B}^0 \rightarrow \pi^0 \rho^0 \rho^- \eta D^+, K^{*+} \rightarrow \pi^+ K^0, \bar{D}^{*-} \rightarrow \pi^0 D^-,$ $D^{*0} \rightarrow \pi^0 D^0, \rho^0 \rightarrow \pi^+ \pi^-, \rho^- \rightarrow \pi^0 \pi^-, \eta \rightarrow \gamma \gamma, D^+ \rightarrow e^+ \nu_e \bar{K}^0$ $(e^+e^- \rightarrow e^+ \nu_e \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- K^0 \bar{K}^0 D^- D^0 \gamma \gamma \gamma \gamma)$	2	2	1	3
4	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \bar{D}^{*-} a_1^+, \bar{B}^0 \rightarrow \pi^+ \pi^+ \pi^- \pi^- \pi^- D^{*+}, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, a_1^+ \rightarrow \pi^0 \rho^+,$ $D^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow \pi^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \rho^+ D^0 \bar{D}^0)$	3	3	1	4
5	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow D^- D_{s1}^+, \bar{B}^0 \rightarrow \pi^0 \rho^+ \omega \bar{D}^{*-}, D^- \rightarrow \pi^0 \pi^-, D_{s1}^+ \rightarrow \pi^0 D_s^{*+},$ $\rho^+ \rightarrow \pi^0 \pi^+, \omega \rightarrow \pi^0 \pi^+ \pi^-, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0$ $(e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- \pi^- \bar{D}^0 D_s^{*+} \gamma \gamma)$	4	4	1	5
6	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow e^+ \nu_e \bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^+ \pi^- D^+ D_s^-, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, D^+ \rightarrow e^+ \nu_e \pi^+ K^-,$ $D_s^- \rightarrow \pi^0 \pi^- \omega$ $(e^+e^- \rightarrow e^+ e^+ \nu_e \nu_e \pi^0 \pi^+ \pi^+ \pi^- \pi^- \pi^- \omega K^- \bar{D}^0)$	5	5	1	6
7	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^0 \pi^0 \pi^+ \bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^0 K^* K^- D^+, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, K^* \rightarrow \pi^- K^+,$ $D^+ \rightarrow \pi^0 \pi^+ \eta'$ $(e^+e^- \rightarrow \pi^0 \pi^+ \pi^+ \pi^- \pi^- K^+ K^- \eta' \bar{D}^0 \gamma \gamma \gamma \gamma \gamma)$	6	6	1	7
8	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \tau^+ \nu_\tau \bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^0 \pi^+ \eta \eta D^-, \tau^+ \rightarrow e^+ \nu_e \bar{\nu}_\tau, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0,$ $\eta \rightarrow \gamma \gamma, \eta \rightarrow \gamma \gamma, D^- \rightarrow \pi^0 \pi^- K^*$ $(e^+e^- \rightarrow e^+ \nu_e \nu_\tau \bar{\nu}_\tau \pi^0 \pi^+ \pi^- \pi^- K^* \bar{D}^0 \gamma \gamma \gamma \gamma \gamma)$	7	7	1	8
9	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^0 \pi^+ \pi^+ \pi^- \bar{D}^{*-}, \bar{B}^0 \rightarrow \mu^- \bar{\nu}_\mu D^{*+}, \bar{D}^{*-} \rightarrow \pi^0 D^-, D^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow \mu^- \bar{\nu}_\mu \pi^0 \pi^+ \pi^+ \pi^- D^- D^0 \gamma \gamma)$	8	8	1	9
10	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow K^0 D^- D^{*+}, \bar{B}^0 \rightarrow D^{*+} D_s^{*-}, K^0 \rightarrow K_S, D^- \rightarrow \pi^- \pi^- K^+,$ $D^{*+} \rightarrow \pi^0 D^+, D^{*+} \rightarrow \pi^0 D^+, D_s^{*-} \rightarrow D_s^- \gamma$ $(e^+e^- \rightarrow \pi^0 \pi^0 \pi^- \pi^- K_S K^+ D^+ D^+ D_s^- \gamma)$	9	9	1	10
11	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \mu^+ \nu_\mu \bar{D}^{*-}, \bar{B}^0 \rightarrow \rho^0 K^0 K^{*-} D^+, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, \rho^0 \rightarrow \pi^+ \pi^-,$ $K^0 \rightarrow K_L, K^{*-} \rightarrow \pi^0 K^-, D^+ \rightarrow \mu^+ \nu_\mu \bar{K}^0$ $(e^+e^- \rightarrow \mu^+ \mu^+ \nu_\mu \nu_\mu \pi^0 K_L \pi^+ \pi^- \pi^- \bar{K}^0 K^- \bar{D}^0)$	10	10	1	11
12	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \rho^- K^+ J/\psi, \bar{B}^0 \rightarrow D^+ D_s^{*-}, \rho^- \rightarrow \pi^0 \pi^-, J/\psi \rightarrow e^+ e^-,$ $D^+ \rightarrow \pi^0 \pi^+ K_S, D_s^{*-} \rightarrow D_s^- \gamma$ $(e^+e^- \rightarrow e^+ e^- \pi^0 \pi^0 \pi^+ \pi^- K_S K^+ D_s^- \gamma)$	11	11	1	12

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
13	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^+\pi^-K^0D^0\bar{D}^0, \bar{B}^0 \rightarrow \pi^0\pi^+\rho^-\rho^-D^+, K^0 \rightarrow K_L, D^0 \rightarrow K_S\eta',$ $\bar{D}^0 \rightarrow \rho^-K^{*+}, \rho^- \rightarrow \pi^0\pi^-, \rho^- \rightarrow \pi^0\pi^-, D^+ \rightarrow \mu^+\nu_\mu\bar{K}^0$ $(e^+e^- \rightarrow \mu^+\nu_\mu\pi^0\pi^0K_L\pi^+\pi^+\pi^-\pi^-\pi^-\rho^-K_S\bar{K}^0K^{*+}\eta'\gamma\gamma)$	12	12	1	13
14	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^+\eta\bar{D}^{*-}, \bar{B}^0 \rightarrow K^0K^{*-}D^{*+}, \eta \rightarrow \pi^0\pi^0\pi^0, \bar{D}^{*-} \rightarrow \pi^0D^-,$ $K^0 \rightarrow K_S, K^{*-} \rightarrow \pi^0K^-, D^{*+} \rightarrow \pi^+D^0$ $(e^+e^- \rightarrow \pi^0\pi^0\pi^0\pi^0\pi^+\pi^+K_SK^-D^-D^0)$	13	13	1	14
15	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \rho^+D^-, \bar{B}^0 \rightarrow \pi^-K^+K^-D^{*+}, \rho^+ \rightarrow \pi^0\pi^+, D^- \rightarrow K_Sa_1^-,$ $D^{*+} \rightarrow \pi^+D^0$ $(e^+e^- \rightarrow \pi^0\pi^+\pi^+\pi^-K_SK^+K^-D^0a_1^-)$	14	14	1	15
16	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^0\pi^0\pi^+\eta\bar{D}^{*-}, \bar{B}^0 \rightarrow e^-\bar{\nu}_eD^{*+}, \eta \rightarrow \pi^0\pi^0\pi^0, \bar{D}^{*-} \rightarrow \pi^0D^-,$ $D^{*+} \rightarrow \pi^0D^+$ $(e^+e^- \rightarrow e^-\bar{\nu}_e\pi^0\pi^0\pi^0\pi^0\pi^+D^+D^-\gamma\gamma\gamma)$	15	15	1	16
17	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow e^+\nu_e\bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^0\pi^+K^{*-}D^0\bar{D}^{*0}, \bar{D}^{*-} \rightarrow \pi^-\bar{D}^0, K^{*-} \rightarrow \pi^-K^0,$ $D^0 \rightarrow K_L\pi^+\pi^-, \bar{D}^{*0} \rightarrow \pi^0\bar{D}^0$ $(e^+e^- \rightarrow e^+\nu_e\pi^0K_L\pi^+\pi^+\pi^-\pi^-\pi^-\bar{K}^0\bar{D}^0\bar{D}^0\gamma\gamma)$	16	16	1	17
18	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow K^*D^-D^{*+}, \bar{B}^0 \rightarrow \pi^0\eta\bar{K}^0K^-D_s^+, K^* \rightarrow \pi^0K^0, D^- \rightarrow \pi^-\pi^-K^+,$ $D^{*+} \rightarrow \pi^+D^0, \eta \rightarrow \gamma\gamma, \bar{K}^0 \rightarrow K_L, D_s^+ \rightarrow \mu^+\nu_\mu\phi$ $(e^+e^- \rightarrow \mu^+\nu_\mu\pi^0K_L\pi^+\pi^-\pi^-K^0K^+K^-\phi D^0\gamma\gamma\gamma\gamma)$	17	17	1	18
19	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \bar{D}^{*-}D_s^{*+}, \bar{B}^0 \rightarrow e^-\bar{\nu}_eD^{*+}, \bar{D}^{*-} \rightarrow \pi^-\bar{D}^0, D_s^{*+} \rightarrow D_s^+\gamma,$ $D^{*+} \rightarrow \pi^+D^0$ $(e^+e^- \rightarrow e^-\bar{\nu}_e\pi^+\pi^-D^0\bar{D}^0D_s^+\gamma)$	18	18	1	19
20	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \mu^+\nu_\mu D_2^{*-}, \bar{B}^0 \rightarrow \pi^0\pi^+\pi^+\pi^-\rho^-\bar{D}^{*0}, D_2^{*-} \rightarrow \pi^-\bar{D}^{*0}, \rho^- \rightarrow \pi^0\pi^-,$ $\bar{D}^{*0} \rightarrow \pi^0\bar{D}^0$ $(e^+e^- \rightarrow \mu^+\nu_\mu\pi^0\pi^0\pi^+\pi^+\pi^-\pi^-\pi^-\bar{D}^0\bar{D}^{*0}\gamma\gamma)$	19	19	1	20
21	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \mu^-\bar{\nu}_\mu D^{*+}, \bar{B}^0 \rightarrow \pi^0K^*K^+K^-, D^{*+} \rightarrow \pi^+D^0, K^* \rightarrow \pi^0K^0$ $(e^+e^- \rightarrow \mu^-\bar{\nu}_\mu\pi^0\pi^+\bar{K}^0K^+K^-D^0\gamma\gamma)$	20	20	1	21
22	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^+\pi^+\omega K^0K^{*-}\bar{D}^{*-}, \bar{B}^0 \rightarrow e^-\bar{\nu}_eD^{*+}, \omega \rightarrow \pi^0\pi^+\pi^-, K^0 \rightarrow K_S,$ $K^{*-} \rightarrow \pi^0K^-, \bar{D}^{*-} \rightarrow \pi^0D^-, D^{*+} \rightarrow \pi^0D^+$ $(e^+e^- \rightarrow e^-\bar{\nu}_e\pi^0\pi^0\pi^0\pi^+\pi^+\pi^+\pi^-K_SK^-D^+D^-)$	21	21	1	22
23	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \bar{D}^{*-}D_s^{*+}, \bar{B}^0 \rightarrow \pi^0\pi^0\rho^-\eta\omega D^{*+}, \bar{D}^{*-} \rightarrow \pi^0D^-, D_s^{*+} \rightarrow D_s^+\gamma,$ $\rho^- \rightarrow \pi^0\pi^-, \eta \rightarrow \pi^0\pi^0\pi^0, \omega \rightarrow \pi^0\pi^+\pi^-, D^{*+} \rightarrow \pi^+D^0$ $(e^+e^- \rightarrow \pi^0\pi^0\pi^0\pi^0\pi^0\pi^+\pi^+\pi^-\pi^-D^-D^0D_s^+\gamma\gamma\gamma\gamma)$	22	22	1	23
24	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow K^*D^+\bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^+\pi^-\rho^-\omega K^{*+}, K^* \rightarrow \pi^-K^+, D^+ \rightarrow \pi^0K_L\pi^+,$ $\bar{D}^{*-} \rightarrow \pi^-\bar{D}^0, \rho^- \rightarrow \pi^0\pi^-, \omega \rightarrow \pi^0\pi^+\pi^-, K^{*+} \rightarrow \pi^0K^+$ $(e^+e^- \rightarrow \pi^0\pi^0\pi^0\pi^0K_L\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^+\bar{D}^0)$	23	23	1	24

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
38	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow \bar{B}^0 \bar{B}^0, \bar{B}^0 \rightarrow \eta D^+ p \Delta^{++}, \bar{B}^0 \rightarrow \pi^0 \pi^+ \pi^- \rho^- D^+, \eta \rightarrow \gamma\gamma, D^+ \rightarrow \pi^+ K_S,$ $\Delta^{++} \rightarrow \pi^- \bar{p}, \rho^- \rightarrow \pi^0 \pi^-, D^+ \rightarrow \pi^0 K_L \pi^+$ $(e^+e^- \rightarrow \pi^0 \pi^0 K_L \pi^+ \pi^+ \pi^- \pi^- \pi^- K_S p \bar{p} \gamma \gamma \gamma)$	37	37	1	38
39	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow \bar{B}^0 \bar{B}^0, \bar{B}^0 \rightarrow \pi^- D^+, \bar{B}^0 \rightarrow \pi^0 \pi^0 K^* K^{*-} D^+, D^+ \rightarrow e^+ \nu_e \bar{K}^*, K^* \rightarrow \pi^0 K^0,$ $K^{*-} \rightarrow \pi^- \bar{K}^0, D^+ \rightarrow \mu^+ \nu_\mu \pi^0$ $(e^+e^- \rightarrow e^+ \nu_e \mu^+ \nu_\mu \pi^0 \pi^0 \pi^- \pi^- K^0 \bar{K}^0 \bar{K}^* \gamma \gamma \gamma)$	38	38	1	39
40	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \rho^0 \pi^+ \bar{D}^{*-}, \bar{B}^0 \rightarrow \rho^- D^{*+} \gamma, \rho^0 \rightarrow \pi^+ \pi^-, \bar{D}^{*-} \rightarrow \pi^0 D^-,$ $\rho^- \rightarrow \pi^0 \pi^-, D^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- D^- D^0 \gamma)$	39	39	1	40
41	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow \bar{B}^0 \bar{B}^0, \bar{B}^0 \rightarrow \mu^- \bar{\nu}_\mu D^{*+}, \bar{B}^0 \rightarrow \mu^- \bar{\nu}_\mu \pi^0 \pi^0 D^{*+}, D^{*+} \rightarrow \pi^0 D^+, D^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow \mu^- \mu^- \bar{\nu}_\mu \bar{\nu}_\mu \pi^0 \pi^+ D^+ D^0 \gamma \gamma \gamma)$	40	40	1	41
42	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \mu^+ \nu_\mu \bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^- \omega D^{*+}, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, \omega \rightarrow \pi^0 \pi^+ \pi^-,$ $D^{*+} \rightarrow \pi^0 D^+$ $(e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^0 \pi^+ \pi^- \pi^- \pi^- D^+ \bar{D}^0)$	41	41	1	42
43	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow \bar{B}^0 \bar{B}^0, \bar{B}^0 \rightarrow \pi^+ K^- \eta_c(2S), \bar{B}^0 \rightarrow \pi^0 \pi^+ \pi^- D^+ \Sigma^- \bar{\Sigma}^0, \eta_c(2S) \rightarrow \pi^0 \rho^0 \pi^+ \pi^- \pi^- \rho^+ \eta, D^+ \rightarrow \mu^+ \nu_\mu \bar{K}^*,$ $\Sigma^- \rightarrow \pi^- n, \bar{\Sigma}^0 \rightarrow \bar{\Lambda} \gamma$ $(e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \rho^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \rho^+ \eta \bar{K}^* K^- n \bar{\Lambda} \gamma \gamma \gamma)$	42	42	1	43
44	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \eta D^- D_s^+, \bar{B}^0 \rightarrow e^- \bar{\nu}_e D^{*+}, \eta \rightarrow \pi^0 \pi^0 \pi^0, D^- \rightarrow \rho^- K^*,$ $D_s^+ \rightarrow \pi^+ \eta', D^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow e^- \bar{\nu}_e \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \rho^- K^* \eta' D^0)$	43	43	1	44
45	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \omega K^+ \bar{D}^{*-}, \bar{B}^0 \rightarrow D^{*+} D_s^-, \omega \rightarrow \pi^0 \pi^+ \pi^-, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0,$ $D^{*+} \rightarrow \pi^0 D^+, D_s^- \rightarrow \pi^- f_0(980)$ $(e^+e^- \rightarrow \pi^0 \pi^0 \pi^+ \pi^- \pi^- \pi^- K^+ D^+ \bar{D}^0 f_0(980))$	44	44	1	45
46	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \eta \bar{D}^{*-} D_s^+, \bar{B}^0 \rightarrow \pi^0 \pi^- \rho^+ \bar{K}^0 K^+ D^-, \eta \rightarrow \gamma\gamma, \bar{D}^{*-} \rightarrow \pi^0 D^-,$ $D_s^+ \rightarrow \mu^+ \nu_\mu \eta, \rho^+ \rightarrow \pi^0 \pi^+, \bar{K}^0 \rightarrow K_S, D^- \rightarrow K_S K^{*-}$ $(e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^0 \pi^+ \pi^- \eta K_S K_S K^+ K^{*-} D^- \gamma \gamma \gamma \gamma)$	45	45	1	46
47	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^0 \pi^+ \pi^+ \pi^- \rho^- \eta \eta \bar{K}^0 K^+ D^-, \bar{B}^0 \rightarrow \pi^0 \rho^0 \pi^- D^{*+}, \rho^- \rightarrow \pi^0 \pi^-, \eta \rightarrow \gamma\gamma,$ $\eta \rightarrow \pi^0 \pi^0 \pi^0, \bar{K}^0 \rightarrow K_L, D^- \rightarrow \pi^- K_S, \rho^0 \rightarrow \pi^+ \pi^-, D^{*+} \rightarrow \pi^0 D^+$ $(e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^0 \pi^0 K_L \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K_S K^+ D^+ \gamma \gamma \gamma \gamma \gamma)$	46	46	1	47
48	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \rho^0 \rho^+ \bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^+ K^- D^+ D^-, \rho^0 \rightarrow \pi^+ \pi^-, \rho^+ \rightarrow \pi^0 \pi^+,$ $\bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, D^+ \rightarrow \pi^0 \pi^+ \bar{K}^*, D^- \rightarrow \mu^- \bar{\nu}_\mu K^0$ $(e^+e^- \rightarrow \mu^- \bar{\nu}_\mu \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- K^0 \bar{K}^* K^- \bar{D}^0)$	47	47	1	48
49	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \rho^0 \rho^+ D^-, \bar{B}^0 \rightarrow \mu^- \bar{\nu}_\mu D^+, \rho^0 \rightarrow \pi^+ \pi^-, \rho^+ \rightarrow \pi^0 \pi^+,$ $D^- \rightarrow \mu^- \bar{\nu}_\mu K^*, D^+ \rightarrow e^+ \nu_e \bar{K}^*$ $(e^+e^- \rightarrow e^+ \nu_e \mu^- \mu^- \bar{\nu}_\mu \bar{\nu}_\mu \pi^0 \pi^+ \pi^+ \pi^- K^* \bar{K}^*)$	48	48	1	49

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
50	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^+\pi^-\rho^+\eta D^-, \bar{B}^0 \rightarrow \mu^-\bar{\nu}_\mu D^{*+}, \rho^+ \rightarrow \pi^0\pi^+, \eta \rightarrow \pi^0\pi^0\pi^0,$ $D^- \rightarrow K_S K^-, D^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow \mu^-\bar{\nu}_\mu \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^- K_S K^- D^0)$	49	49	1	50
51	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow e^+\nu_e \eta D^-, \bar{B}^0 \rightarrow \pi^0\pi^+\pi^+\pi^- \bar{D}^{*-}, \eta \rightarrow \pi^+\pi^-, D^- \rightarrow K_L a_1^-,$ $\bar{D}^{*-} \rightarrow \pi^- \bar{D}^0$ $(e^+e^- \rightarrow e^+\nu_e K_L \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \bar{D}^0 a_1^- \gamma \gamma)$	50	50	1	51
52	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^0\pi^+\pi^+\rho^- D^-, \bar{B}^0 \rightarrow e^-\bar{\nu}_e D^+, \rho^- \rightarrow \pi^0\pi^-, D^- \rightarrow \pi^0\pi^+\pi^-\pi^- K^0,$ $D^+ \rightarrow \pi^+\pi^+ K^-$ $(e^+e^- \rightarrow e^-\bar{\nu}_e \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- K^0 K^- \gamma \gamma)$	51	51	1	52
53	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \rho^0\pi^+\pi^+\pi^-\omega D^-, \bar{B}^0 \rightarrow \rho^+\rho^- D^{*0}, \rho^0 \rightarrow \pi^+\pi^-, \omega \rightarrow \pi^0\pi^+\pi^-,$ $D^- \rightarrow \pi^- K_1'^0, \rho^+ \rightarrow \pi^0\pi^+, \rho^- \rightarrow \pi^0\pi^-, D^{*0} \rightarrow D^0 \gamma$ $(e^+e^- \rightarrow \pi^0\pi^0\pi^0\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^- D^0 K_1'^0 \gamma)$	52	52	1	53
54	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^- \bar{D}^0 D_s^+, \bar{B}^0 \rightarrow D^{*+} D_s^{*-}, \bar{D}^0 \rightarrow \rho^- K^{*+}, D_s^+ \rightarrow \rho^+ \eta,$ $D^{*+} \rightarrow \pi^+ D^0, D_s^{*-} \rightarrow D_s^- \gamma$ $(e^+e^- \rightarrow \pi^+\pi^-\rho^+\rho^-\eta K^{*+} D^0 D_s^- \gamma)$	53	53	1	54
55	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \bar{D}^{*-} a_1^+, \bar{B}^0 \rightarrow \pi^0 \rho^0 \rho^0 \rho^- D^+, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, a_1^+ \rightarrow \pi^+ K^0 \bar{K}^0,$ $\rho^0 \rightarrow \pi^+\pi^-, \rho^0 \rightarrow \pi^+\pi^-, \rho^- \rightarrow \pi^0\pi^-, D^+ \rightarrow \pi^0\pi^+ K_S$ $(e^+e^- \rightarrow \pi^0\pi^0\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^- K_S K^0 \bar{K}^0 \bar{D}^0 \gamma \gamma)$	54	54	1	55
56	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^0 \Delta^+ \Xi_c^{*-}, \bar{B}^0 \rightarrow \pi^0\pi^+ D^0 D_s^{*-}, \Delta^+ \rightarrow \pi^+ n, \Xi_c^{*-} \rightarrow \Xi_c^- \gamma,$ $D^0 \rightarrow \mu^+ \nu_\mu K^{*-}, D_s^{*-} \rightarrow D_s^- \gamma$ $(e^+e^- \rightarrow \mu^+ \nu_\mu \pi^+ \pi^+ K^{*-} D_s^- n \Xi_c^- \gamma \gamma \gamma \gamma \gamma)$	55	55	1	56
57	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow e^+\nu_e \bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^0 \Delta^+ \Sigma_c^+, \bar{D}^{*-} \rightarrow \pi^0 D^-, \Delta^+ \rightarrow \pi^- \bar{n},$ $\Sigma_c^+ \rightarrow \pi^0 \Lambda_c^+$ $(e^+e^- \rightarrow e^+\nu_e \pi^0 \pi^0 \pi^- D^- \bar{n} \Lambda_c^+ \gamma \gamma)$	56	56	1	57
58	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \rho^0\pi^+\pi^- \bar{D}^{*0}, \bar{B}^0 \rightarrow \mu^-\bar{\nu}_\mu D^{*+}, \rho^0 \rightarrow \pi^+\pi^-, \bar{D}^{*0} \rightarrow \bar{D}^0 \gamma,$ $D^{*+} \rightarrow D^+ \gamma$ $(e^+e^- \rightarrow \mu^-\bar{\nu}_\mu \pi^+ \pi^+ \pi^- \pi^- D^+ \bar{D}^0 \gamma \gamma)$	57	57	1	58
59	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow \bar{B}^0\bar{B}^0, \bar{B}^0 \rightarrow D^+ \Delta^0 \bar{\Delta}^+, \bar{B}^0 \rightarrow \pi^0 \rho^0 \pi^+ \pi^- \eta \eta, D^+ \rightarrow \mu^+ \nu_\mu \bar{K}^*, \Delta^0 \rightarrow \pi^0 n,$ $\bar{\Delta}^+ \rightarrow \pi^0 \bar{p}, \rho^0 \rightarrow \pi^+\pi^-, \eta \rightarrow \gamma \gamma, \eta \rightarrow \pi^0 \pi^+ \pi^-$ $(e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \bar{K}^* n \bar{p} \gamma \gamma \gamma \gamma)$	58	58	1	59
60	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^0\pi^+\pi^+\pi^- \bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^0\pi^0\pi^0 \rho^0 \rho^0 \pi^+\pi^-\pi^- D^{*+}, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, \rho^0 \rightarrow \pi^+\pi^-,$ $\rho^0 \rightarrow \pi^+\pi^-, D^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^- D^0 \bar{D}^0 \gamma \gamma \gamma \gamma \gamma \gamma \gamma)$	59	59	1	60
61	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^0\pi^+\omega \bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^- \bar{K}^0 D^+ \bar{D}^{*0}, \omega \rightarrow \pi^0\pi^+\pi^-, \bar{D}^{*-} \rightarrow \pi^0 D^-,$ $\bar{K}^0 \rightarrow K_S, D^+ \rightarrow \pi^0\pi^+ \bar{K}^*, \bar{D}^{*0} \rightarrow \bar{D}^0 \gamma$ $(e^+e^- \rightarrow \pi^0\pi^0\pi^0\pi^+\pi^+\pi^+\pi^-\pi^-\pi^- K_S \bar{K}^* D^- \bar{D}^0 \gamma \gamma \gamma)$	60	60	1	61

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
62	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow e^+\nu_e\bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^+K^*\bar{D}^{*-}D^0, \bar{D}^{*-} \rightarrow \pi^-\bar{D}^0, \bar{K}^* \rightarrow \pi^0\bar{K}^0,$ $\bar{D}^{*-} \rightarrow \pi^-\bar{D}^0, D^0 \rightarrow \rho^+K^{*-}$ $(e^+e^- \rightarrow e^+\nu_e\pi^0\pi^+\pi^-\pi^-\rho^+\bar{K}^0K^{*-}\bar{D}^0\bar{D}^0)$	61	61	1	62
63	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \bar{D}^{*-}a_1^+, B^0 \rightarrow \pi^+\pi^+\pi^+\pi^-\pi^-D^-\Delta^+\Delta^+, \bar{D}^{*-} \rightarrow \pi^-\bar{D}^0, a_1^+ \rightarrow \rho^0\pi^+,$ $D^- \rightarrow e^-\bar{\nu}_e\pi^-K^+, \Delta^+ \rightarrow \pi^0p, \bar{\Delta}^+ \rightarrow \pi^0\bar{p}$ $(e^+e^- \rightarrow e^-\bar{\nu}_e\pi^0\pi^0\rho^0\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+\bar{D}^0\bar{p}\bar{p})$	62	62	1	63
64	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^+\pi^-\eta\bar{D}^0, \bar{B}^0 \rightarrow \pi^-\pi^-\pi^-\rho^+\rho^+\omega D^{*+}, \eta \rightarrow \pi^0\pi^0\pi^0, \bar{D}^0 \rightarrow \pi^0\pi^-K^+,$ $\rho^+ \rightarrow \pi^0\pi^+, \rho^+ \rightarrow \pi^0\pi^+, \omega \rightarrow \pi^0\pi^+\pi^-, D^{*+} \rightarrow \pi^+D^0$ $(e^+e^- \rightarrow \pi^0\pi^0\pi^0\pi^0\pi^0\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+D^0)$	63	63	1	64
65	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \rho^0\pi^+K^-K^{*+}\bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^0\pi^0\rho^0\rho^0\pi^-D^+, \rho^0 \rightarrow \pi^+\pi^-, K^{*+} \rightarrow \pi^+K^0,$ $\bar{D}^{*-} \rightarrow \pi^-\bar{D}^0, \rho^0 \rightarrow \pi^+\pi^-, \rho^0 \rightarrow \pi^+\pi^-, D^+ \rightarrow e^+\nu_e\bar{K}^0$ $(e^+e^- \rightarrow e^+\nu_e\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^0\bar{K}^0K^-\bar{D}^0\gamma\gamma\gamma\gamma)$	64	64	1	65
66	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow e^+\nu_e D^-, \bar{B}^0 \rightarrow \pi^0\pi^0\pi^+\pi^-\pi^-D^{*+}p\bar{p}, D^- \rightarrow \pi^+\pi^-\pi^-K_S, D^{*+} \rightarrow \pi^+D^0$ $(e^+e^- \rightarrow e^+\nu_e\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K_S D^0 p\bar{p}\gamma\gamma\gamma\gamma)$	65	65	1	66
67	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \mu^+\nu_\mu D_0^{*-}, \bar{B}^0 \rightarrow \tau^-\bar{\nu}_\tau D^{*+}, D_0^{*-} \rightarrow \pi^-\bar{D}^0, \tau^- \rightarrow \nu_\tau\pi^0\pi^-,$ $D^{*+} \rightarrow \pi^+D^0$ $(e^+e^- \rightarrow \mu^+\nu_\mu\nu_\tau\bar{\nu}_\tau\pi^0\pi^+\pi^-\pi^-D^0\bar{D}^0)$	66	66	1	67
68	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^+\omega\omega D^{*-}, \bar{B}^0 \rightarrow \eta D^+ D_s^{*-}, \omega \rightarrow \pi^0\gamma, \omega \rightarrow \pi^0\pi^+\pi^-,$ $\bar{D}^{*-} \rightarrow \pi^-\bar{D}^0, \eta \rightarrow \gamma\gamma, D^+ \rightarrow K_L\pi^+, D_s^{*-} \rightarrow D_s^-\gamma$ $(e^+e^- \rightarrow \pi^0\pi^0 K_L\pi^+\pi^+\pi^+\pi^-\pi^-\bar{D}^0 D_s^-\gamma\gamma\gamma\gamma)$	67	67	1	68
69	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow e^-\bar{\nu}_e D^+, \bar{B}^0 \rightarrow \rho^0\rho^-\eta D^{*+}, D^+ \rightarrow \pi^0\pi^+K_S, \rho^0 \rightarrow \pi^+\pi^-,$ $\rho^- \rightarrow \pi^0\pi^-, \eta \rightarrow \gamma\gamma, D^{*+} \rightarrow \pi^+D^0$ $(e^+e^- \rightarrow e^-\bar{\nu}_e\pi^0\pi^0\pi^+\pi^+\pi^-\pi^-K_S D^0\gamma\gamma)$	68	68	1	69
70	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \rho^+D^-, \bar{B}^0 \rightarrow \rho^-D^{*+}, \rho^+ \rightarrow \pi^0\pi^+, D^- \rightarrow \pi^0\pi^-\phi,$ $\rho^- \rightarrow \pi^0\pi^-, D^{*+} \rightarrow \pi^+D^0$ $(e^+e^- \rightarrow \pi^0\pi^0\pi^0\pi^+\pi^+\pi^-\pi^-\phi D^0)$	69	69	1	70
71	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^-K^+D^0\bar{D}^0, \bar{B}^0 \rightarrow K^{*-}D^+, D^0 \rightarrow \rho^+K^{*-}, \bar{D}^0 \rightarrow \rho^0\rho^0,$ $K^{*-} \rightarrow \pi^-\bar{K}^0, D^+ \rightarrow e^+\nu_e\bar{K}^*$ $(e^+e^- \rightarrow e^+\nu_e\rho^0\rho^0\pi^-\pi^-\rho^+\bar{K}^0\bar{K}^*K^+K^{*-})$	70	70	1	71
72	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^0\pi^0\pi^+\rho^+\rho^-D^-, \bar{B}^0 \rightarrow e^-\bar{\nu}_e D^+, \rho^+ \rightarrow \pi^0\pi^+, \rho^- \rightarrow \pi^0\pi^-,$ $D^- \rightarrow e^-\bar{\nu}_e\pi^-K^+, D^+ \rightarrow \pi^0\pi^+\pi^+K^-$ $(e^+e^- \rightarrow e^-e^-\bar{\nu}_e\bar{\nu}_e\pi^0\pi^0\pi^+\pi^+\pi^+\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma)$	71	71	1	72
73	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow K^*n\Sigma_c^{*0}, \bar{B}^0 \rightarrow \pi^-D^+, K^* \rightarrow \pi^-K^+, \Sigma_c^{*0} \rightarrow \pi^+\bar{\Lambda}_c^-,$ $D^+ \rightarrow \pi^0\pi^+\bar{K}^*$ $(e^+e^- \rightarrow \pi^0\pi^+\pi^+\pi^-\pi^-\bar{K}^*K^+n\bar{\Lambda}_c^-)$	72	72	1	73

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
74	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow e^+\nu_e\bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^-\pi^-D^{*+}\bar{n}\Delta^+, \bar{D}^{*-} \rightarrow \pi^-\bar{D}^0, D^{*+} \rightarrow \pi^+D^0,$ $\Delta^+ \rightarrow \pi^0p$ $(e^+e^- \rightarrow e^+\nu_e\pi^0\pi^+\pi^-\pi^-D^0\bar{D}^0\bar{n}p)$	73	73	1	74
75	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow K^{*+}\bar{D}^{*-}D^0, \bar{B}^0 \rightarrow D^{*+}D_{s0}^{*-}, K^{*+} \rightarrow \pi^+K^0, \bar{D}^{*-} \rightarrow \pi^-\bar{D}^0,$ $D^0 \rightarrow \pi^0\pi^+K^-, D^{*+} \rightarrow \pi^0D^+, D_{s0}^{*-} \rightarrow \pi^0D_s^-$ $(e^+e^- \rightarrow \pi^0\pi^0\pi^0\pi^+\pi^-\pi^-K^0K^-D^+\bar{D}^0D_s^-)$	74	74	1	75
76	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \mu^+\nu_\mu\bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^0\pi^+\pi^-\rho^+\bar{D}^{*-}D^{*0}, \bar{D}^{*-} \rightarrow \pi^0D^-, \rho^+ \rightarrow \pi^0\pi^+,$ $\bar{D}^{*-} \rightarrow \pi^0D^-, D^{*0} \rightarrow \pi^0D^0$ $(e^+e^- \rightarrow \mu^+\nu_\mu\pi^0\pi^0\pi^0\pi^+\pi^+\pi^-D^-D^-D^0\gamma\gamma)$	75	75	1	76
77	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^0\rho^+\omega\omega D^-, \bar{B}^0 \rightarrow K^-D^{*+}\bar{D}^{*0}, \rho^+ \rightarrow \pi^0\pi^+, \omega \rightarrow \pi^+\pi^-,$ $\omega \rightarrow \pi^0\pi^+\pi^-, D^- \rightarrow \pi^0K_L\pi^-, D^{*+} \rightarrow \pi^0D^+, \bar{D}^{*0} \rightarrow \pi^0\bar{D}^0$ $(e^+e^- \rightarrow \pi^0\pi^0\pi^0\pi^0\pi^0K_L\pi^+\pi^+\pi^-\pi^-\pi^-K^-D^+\bar{D}^0\gamma\gamma)$	76	76	1	77
78	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow e^-\bar{\nu}_eD^{*+}, \bar{B}^0 \rightarrow \pi^0\pi^+\pi^-\rho^-\omega K^0D^{*+}, D^{*+} \rightarrow \pi^+D^0, \rho^- \rightarrow \pi^0\pi^-,$ $\omega \rightarrow \pi^0\pi^+\pi^-, \bar{K}^0 \rightarrow K_S, D^{*+} \rightarrow \pi^+D^0$ $(e^+e^- \rightarrow e^-\bar{\nu}_e\pi^0\pi^0\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K_S D^0 D^0\gamma\gamma)$	77	77	1	78
79	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow e^+\nu_e\eta D^-, \bar{B}^0 \rightarrow \rho^0\pi^-D^{*+}, \eta \rightarrow \pi^0\pi^+\pi^-, D^- \rightarrow e^-\bar{\nu}_eK_1^0,$ $\rho^0 \rightarrow \pi^+\pi^-, D^{*+} \rightarrow \pi^+D^0$ $(e^+e^- \rightarrow e^+e^-\nu_e\pi^0\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-D^0K_1^0)$	78	78	1	79
80	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \rho^0\pi^+\pi^-\rho^+\eta\bar{D}^{*-}, \bar{B}^0 \rightarrow \mu^-\bar{\nu}_\mu D^{*+}, \rho^0 \rightarrow \pi^+\pi^-, \rho^+ \rightarrow \pi^0\pi^+,$ $\eta \rightarrow \pi^0\pi^+\pi^-, \eta \rightarrow \pi^0\pi^+\pi^-, \bar{D}^{*-} \rightarrow \pi^-\bar{D}^0, D^{*+} \rightarrow \pi^0D^+$ $(e^+e^- \rightarrow \mu^-\bar{\nu}_\mu\pi^0\pi^0\pi^0\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-D^+\bar{D}^0)$	79	79	1	80
81	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \tau^+\nu_\tau D_0^{*-}, \bar{B}^0 \rightarrow \pi^0\pi^-\omega K^0\bar{K}^0\bar{K}^{*}D^{*+}, \tau^+ \rightarrow \mu^+\nu_\mu\bar{\nu}_\tau, D_0^{*-} \rightarrow \pi^-\bar{D}^0,$ $\omega \rightarrow \pi^0\pi^+\pi^-, K^0 \rightarrow K_S, \bar{K}^0 \rightarrow K_L, \bar{K}^{*} \rightarrow \pi^+K^-, D^{*+} \rightarrow \pi^0D^+$ $(e^+e^- \rightarrow \mu^+\nu_\mu\nu_\tau\bar{\nu}_\tau\pi^0\pi^0K_L\pi^+\pi^+\pi^-\pi^-\pi^-K_S K^-D^+\bar{D}^0\gamma\gamma)$	80	80	1	81
82	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow D^-\bar{a}_1^+, \bar{B}^0 \rightarrow \pi^+\pi^-D^+D_s^{*-}, D^- \rightarrow \mu^-\bar{\nu}_\mu\omega, \bar{a}_1^+ \rightarrow \rho^0\pi^+,$ $D^+ \rightarrow \pi^+\pi^+K^-, D_s^{*-} \rightarrow D_s^-\gamma$ $(e^+e^- \rightarrow \mu^-\bar{\nu}_\mu\rho^0\pi^+\pi^+\pi^+\pi^-\omega K^-D_s^-\gamma)$	81	81	1	82
83	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \rho^+\eta\omega D^-, \bar{B}^0 \rightarrow \pi^+D^0D_s^-, \rho^+ \rightarrow \pi^0\pi^+, \eta \rightarrow \pi^+\pi^-,$ $\omega \rightarrow \pi^0\gamma, D^- \rightarrow \mu^-\bar{\nu}_\mu K^*, D^0 \rightarrow K_S K^+K^-, D_s^- \rightarrow \rho^-\phi$ $(e^+e^- \rightarrow \mu^-\bar{\nu}_\mu\pi^0\pi^0\pi^+\pi^+\pi^-\rho^-K_S K^+K^+K^-\phi\gamma)$	82	82	1	83
84	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^+K^0D^-, \bar{B}^0 \rightarrow \pi^+\pi^+\pi^-\pi^-\pi^-D^{*+}, K^0 \rightarrow K_S, D^- \rightarrow \pi^-K^+K^-,$ $D^{*+} \rightarrow \pi^+D^0$ $(e^+e^- \rightarrow \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K_S K^+K^-D^0)$	83	83	1	84
85	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^0\pi^+\rho^-\bar{D}^{*0}, \bar{B}^0 \rightarrow e^-\bar{\nu}_e\eta D^+, \rho^- \rightarrow \pi^0\pi^-, \bar{D}^{*0} \rightarrow \pi^0\bar{D}^0,$ $\eta \rightarrow \pi^0\pi^+\pi^-, D^+ \rightarrow \mu^+\nu_\mu\bar{K}^0$ $(e^+e^- \rightarrow e^-\bar{\nu}_e\mu^+\nu_\mu\pi^0\pi^0\pi^+\pi^+\pi^-\pi^-\bar{K}^0\bar{D}^0\gamma\gamma)$	84	84	1	85

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
86	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \eta' D^+ \bar{D}^{*-}, B^0 \rightarrow \omega \bar{D}^{*-} \bar{n} p, \eta' \rightarrow \pi^0 \pi^0 \eta, D^+ \rightarrow \pi^+ \phi,$ $\bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, \omega \rightarrow \pi^0 \pi^+ \pi^-, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0$ $(e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- \pi^- \eta \phi \bar{D}^0 \bar{D}^0 \bar{n} p)$	85	85	1	86
87	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^+ \pi^- \rho^+ D^-, \bar{B}^0 \rightarrow e^- \bar{\nu}_e D_2^{*+}, \rho^+ \rightarrow \pi^0 \pi^+, D^- \rightarrow \mu^- \bar{\nu}_\mu K^*,$ $D_2^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow e^- \bar{\nu}_e \mu^- \bar{\nu}_\mu \pi^0 \pi^+ \pi^+ \pi^- K^* D^0)$	86	86	1	87
88	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \rho^0 \pi^+ \eta D^-, \bar{B}^0 \rightarrow \pi^- \rho^+ K^0 K^{*-} D^+, \rho^0 \rightarrow \pi^+ \pi^-, \eta \rightarrow \gamma \gamma,$ $D^- \rightarrow \pi^- \pi^- K^+, \rho^+ \rightarrow \pi^0 \pi^+, K^0 \rightarrow K_L, K^{*-} \rightarrow \pi^0 K^-, D^+ \rightarrow \rho^0 \pi^+$ $(e^+e^- \rightarrow \pi^0 \pi^0 \rho^0 K_L \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^+ K^- \gamma \gamma)$	87	87	1	88
89	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \rho^0 p \bar{\Sigma}_c^{*-}, \bar{B}^0 \rightarrow \mu^- \bar{\nu}_\mu D_0^{*+}, \rho^0 \rightarrow \pi^+ \pi^-, \bar{\Sigma}_c^{*-} \rightarrow \pi^0 \bar{\Lambda}_c^-,$ $D_0^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow \mu^- \bar{\nu}_\mu \pi^0 \pi^+ \pi^+ \pi^- D^0 p \bar{\Lambda}_c^-)$	88	88	1	89
90	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \mu^+ \nu_\mu \bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^- \pi^- D^+ \bar{n} p, \bar{D}^{*-} \rightarrow \pi^0 D^-, D^+ \rightarrow K_S a_1^+$ $(e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^- \pi^- K_S D^- \bar{n} p a_1^+)$	89	89	1	90
91	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^0 \pi^+ \pi^- \rho^+ D^-, \bar{B}^0 \rightarrow \mu^- \bar{\nu}_\mu D^{*+}, \rho^+ \rightarrow \pi^0 \pi^+, D^- \rightarrow \mu^- \bar{\nu}_\mu \pi^- K^+,$ $D^{*+} \rightarrow \pi^0 D^+$ $(e^+e^- \rightarrow \mu^- \mu^- \bar{\nu}_\mu \bar{\nu}_\mu \pi^0 \pi^+ \pi^+ \pi^- \pi^- K^+ D^+ \gamma \gamma)$	90	90	1	91
92	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^- K^{*+} J/\psi, \bar{B}^0 \rightarrow \pi^0 \pi^+ K^- \eta_c(2S), K^{*+} \rightarrow \pi^0 K^+, J/\psi \rightarrow e^+ e^-,$ $\pi^0 \rightarrow e^+ e^-, \eta_c(2S) \rightarrow \eta \Sigma^+ \bar{\Sigma}^-$ $(e^+e^- \rightarrow e^+ e^+ e^- e^- \pi^0 \pi^+ \pi^- \eta K^+ K^- \Sigma^+ \bar{\Sigma}^-)$	91	91	1	92
93	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, \bar{B}^0 \rightarrow K^0 \psi', B^0 \rightarrow \pi^- \rho^+ \rho^- D^+, K^0 \rightarrow K_S, \psi' \rightarrow \pi^0 \pi^0 J/\psi,$ $\rho^+ \rightarrow \pi^0 \pi^+, \rho^- \rightarrow \pi^0 \pi^-, D^+ \rightarrow \bar{K}^* a_1^+$ $(e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^0 \pi^+ \pi^- \pi^- K_S \bar{K}^* J/\psi a_1^+)$	92	92	1	93
94	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \rho^0 \rho^+ \bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^- K^0 D^+, \rho^0 \rightarrow \pi^+ \pi^-, \rho^+ \rightarrow \pi^0 \pi^+,$ $\bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, K^0 \rightarrow K_L, D^+ \rightarrow K_L a_1^+$ $(e^+e^- \rightarrow \pi^0 K_L K_L \pi^+ \pi^+ \pi^- \pi^- \pi^- \bar{D}^0 a_1^+)$	93	93	1	94
95	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \rho^+ \omega D^-, \bar{B}^0 \rightarrow \pi^0 \omega K^0 K^- D^+, \rho^+ \rightarrow \pi^0 \pi^+, \omega \rightarrow \pi^0 \pi^+ \pi^-,$ $D^- \rightarrow \pi^- \pi^- K^+, \pi^0 \rightarrow e^+ e^-, \omega \rightarrow \pi^0 \pi^+ \pi^-, K^0 \rightarrow K_S, D^+ \rightarrow \mu^+ \nu_\mu \bar{K}^*$ $(e^+e^- \rightarrow e^+ e^- \mu^+ \nu_\mu \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K_S \bar{K}^* K^+ K^-)$	94	94	1	95
96	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow e^+ \nu_e \bar{D}^{*-}, \bar{B}^0 \rightarrow e^- \bar{\nu}_e D^{*+}, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, D^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow e^+ e^- \nu_e \bar{\nu}_e \pi^+ \pi^- D^0 \bar{D}^0)$	95	95	1	96
97	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow K^{*+} \bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^0 \pi^- D^{*+} \Delta^+ \Delta^+, K^{*+} \rightarrow \pi^+ K^0, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0,$ $D^{*+} \rightarrow \pi^+ D^0, \Delta^+ \rightarrow \pi^+ n, \bar{\Delta}^+ \rightarrow \pi^0 \bar{p}$ $(e^+e^- \rightarrow \pi^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- K^0 D^0 \bar{D}^0 n \bar{p} \gamma \gamma)$	96	96	1	97
98	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow D_2^{*-} D_s^{*+}, \bar{B}^0 \rightarrow \pi^+ \pi^- D^+ D_s^-, D_2^{*-} \rightarrow \pi^0 \bar{D}^{*-}, D_s^{*+} \rightarrow D_s^+ \gamma,$ $D^+ \rightarrow \pi^+ \bar{K}_1'^0, D_s^- \rightarrow e^- \bar{\nu}_e \eta'$ $(e^+e^- \rightarrow e^- \bar{\nu}_e \pi^0 \pi^+ \pi^+ \pi^- \eta' \bar{D}^{*-} D_s^+ \bar{K}_1'^0 \gamma)$	97	97	1	98

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
99	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow K_L \eta_c, \bar{B}^0 \rightarrow \pi^- \pi^- \rho^+ D^{*+}, \eta_c \rightarrow \pi^0 K^0 \bar{K}^0 K^* K^*, \rho^+ \rightarrow \pi^0 \pi^+, D^{*+} \rightarrow \pi^0 D^+$ ($e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 K_L \pi^+ \pi^- \pi^- K^0 \bar{K}^0 \bar{K}^0 K^* D^+$)	98	98	1	99
100	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^0 \pi^0 \rho^+ \bar{D}^{*-}, \bar{B}^0 \rightarrow K^* K^- D^+, \rho^0 \rightarrow \pi^+ \pi^-, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, K^* \rightarrow \pi^0 K^0, D^+ \rightarrow \pi^+ \pi^+ K^-$ ($e^+e^- \rightarrow \pi^0 \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- K^0 K^- K^- \bar{D}^0 \gamma \gamma \gamma \gamma$)	99	99	1	100
101	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^0 \pi^+ \rho^- \eta \bar{D}^0, \bar{B}^0 \rightarrow \pi^- \rho^+ \rho^- D^+, \rho^- \rightarrow \pi^0 \pi^-, \eta \rightarrow \pi^0 \pi^+ \pi^-, \bar{D}^0 \rightarrow \pi^0 \pi^+ \pi^- K_S, \rho^+ \rightarrow \pi^0 \pi^+, \rho^- \rightarrow \pi^0 \pi^-, D^+ \rightarrow e^+ \nu_e \bar{K}^0$ ($e^+e^- \rightarrow e^+ \nu_e \pi^0 \pi^0 \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- K_S \bar{K}^0 \gamma \gamma$)	100	100	1	101
102	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^0 \pi^0 \eta \omega \bar{D}^0, \bar{B}^0 \rightarrow \pi^+ \pi^- D^+ D_s^-, \eta \rightarrow \pi^+ \pi^-, \omega \rightarrow \pi^0 \pi^+ \pi^-, \bar{D}^0 \rightarrow \pi^0 \pi^- K^+, D^+ \rightarrow \pi^0 \pi^+ K_S, D_s^- \rightarrow e^- \bar{\nu}_e \eta$ ($e^+e^- \rightarrow e^- \bar{\nu}_e \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \eta K_S K^+ \gamma \gamma \gamma \gamma$)	101	101	1	102
103	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^0 \rho^+ \omega \omega D^-, \bar{B}^0 \rightarrow \pi^0 \pi^0 \rho^0 \pi^- \pi^- \rho^+ D^{*+}, \rho^+ \rightarrow \pi^0 \pi^+, \omega \rightarrow \pi^0 \pi^+ \pi^-, \omega \rightarrow \pi^0 \pi^+ \pi^-, D^- \rightarrow \pi^- \pi^- K^+, \rho^0 \rightarrow \pi^+ \pi^-, \rho^+ \rightarrow \pi^0 \pi^+, D^{*+} \rightarrow \pi^+ D^0$ ($e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- K^+ D^0 \gamma \gamma \gamma \gamma \gamma \gamma$)	102	102	1	103
104	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow D^- D_s^{*+}, \bar{B}^0 \rightarrow \rho^0 \pi^- \rho^+ D^0, D^- \rightarrow \pi^0 \pi^- K_S, D_s^{*+} \rightarrow D_s^+ \gamma, \rho^0 \rightarrow \pi^+ \pi^-, \rho^+ \rightarrow \pi^0 \pi^+, D^0 \rightarrow \mu^+ \nu_\mu K^-$ ($e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K_S K^- D_s^+ \gamma$)	103	103	1	104
105	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^0 \rho^0 \pi^+ \pi^+ \pi^- \omega D^-, \bar{B}^0 \rightarrow \pi^+ D^{*0} D_s^-, \rho^0 \rightarrow \pi^+ \pi^-, \omega \rightarrow \pi^0 \pi^+ \pi^-, D^- \rightarrow \pi^0 \pi^- K^*, D^{*0} \rightarrow \pi^0 D^0, D_s^- \rightarrow e^- \bar{\nu}_e \eta'$ ($e^+e^- \rightarrow e^- \bar{\nu}_e \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^* \eta' D^0 \gamma \gamma$)	104	104	1	105
106	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \rho^+ K^+ K^- D^{*-}, \bar{B}^0 \rightarrow e^- \bar{\nu}_e D^{*+}, \rho^+ \rightarrow \pi^0 \pi^+, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, D^{*+} \rightarrow \pi^0 D^+$ ($e^+e^- \rightarrow e^- \bar{\nu}_e \pi^0 \pi^0 \pi^+ \pi^- K^+ K^- D^+ \bar{D}^0$)	105	105	1	106
107	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow K^0 J/\psi, \bar{B}^0 \rightarrow \pi^0 \pi^+ \pi^- \pi^- D^{*+}, K^0 \rightarrow K_S, J/\psi \rightarrow e^+ e^-, D^{*+} \rightarrow \pi^+ D^0$ ($e^+e^- \rightarrow e^+ e^- \pi^+ \pi^+ \pi^- \pi^- K_S D^0 \gamma \gamma$)	106	106	1	107
108	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^0 \pi^0 \pi^+ \rho^- \bar{D}^{*0}, \bar{B}^0 \rightarrow \rho^- \eta \omega \omega D^{*+}, \rho^- \rightarrow \pi^0 \pi^-, \bar{D}^{*0} \rightarrow \bar{D}^0 \gamma, \rho^- \rightarrow \pi^0 \pi^-, \eta \rightarrow \pi^0 \pi^0 \pi^0, \omega \rightarrow \pi^0 \pi^+ \pi^-, \omega \rightarrow \pi^0 \pi^+ \pi^-, D^{*+} \rightarrow \pi^0 D^+$ ($e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^0 \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- D^+ \bar{D}^0 \gamma \gamma \gamma \gamma \gamma$)	107	107	1	108
109	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^+ \pi^- \bar{D}^{*0}, \bar{B}^0 \rightarrow \pi^0 \pi^+ \pi^- \rho^- D^+, \bar{D}^{*0} \rightarrow \pi^0 \bar{D}^0, \rho^- \rightarrow \pi^0 \pi^-, D^+ \rightarrow \pi^+ K_S$ ($e^+e^- \rightarrow \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- \pi^- K_S \bar{D}^0 \gamma \gamma$)	108	108	1	109
110	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \rho^0 \pi^- D^{*+}, \bar{B}^0 \rightarrow K^0 \bar{\Sigma}^{*0} \Sigma_c^{*0}, \rho^0 \rightarrow \pi^+ \pi^-, D^{*+} \rightarrow \pi^+ D^0, \bar{K}^0 \rightarrow K_L, \bar{\Sigma}^{*0} \rightarrow \pi^0 \bar{\Lambda}, \Sigma_c^{*0} \rightarrow \pi^- \Lambda_c^+$ ($e^+e^- \rightarrow \pi^0 K_L \pi^+ \pi^+ \pi^- \pi^- \pi^- D^0 \bar{\Lambda} \Lambda_c^+$)	109	109	1	110

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
111	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow \bar{B}^0 \bar{B}^0, \bar{B}^0 \rightarrow D^{*+} D_s^{*-}, \bar{B}^0 \rightarrow \rho^0 \pi^+ \Delta^{++} \Lambda_c^+, D^{*+} \rightarrow \pi^0 D^+, D_s^{*-} \rightarrow \pi^0 D_s^-,$ $\rho^0 \rightarrow \pi^+ \pi^-, \Delta^{++} \rightarrow \pi^- \bar{p}, \Lambda_c^+ \rightarrow \rho^0 \Sigma^+$ $(e^+e^- \rightarrow \pi^0 \pi^0 \rho^0 \pi^+ \pi^+ \pi^- \pi^- D^+ D_s^- \bar{p} \Sigma^+)$	110	110	1	111
112	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow e^+ \nu_e D_2^{*-}, \bar{B}^0 \rightarrow \rho^- D^{*+}, D_2^{*-} \rightarrow \pi^- \bar{D}^0, \rho^- \rightarrow \pi^0 \pi^-,$ $D^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow e^+ \nu_e \pi^0 \pi^+ \pi^- \pi^- D^0 \bar{D}^0)$	111	111	1	112
113	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow e^+ \nu_e D^-, \bar{B}^0 \rightarrow D_s^{*+} \Delta^+ \Lambda, D^- \rightarrow \pi^- \pi^- K^+, D_s^{*+} \rightarrow D_s^+ \gamma,$ $\Delta^+ \rightarrow \pi^- \bar{n}, \Lambda \rightarrow \pi^0 n$ $(e^+e^- \rightarrow e^+ \nu_e \pi^0 \pi^- \pi^- \pi^- K^+ D_s^+ n \bar{n} \gamma)$	112	112	1	113
114	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^0 \pi^+ \pi^+ \pi^- \bar{D}^{*-}, \bar{B}^0 \rightarrow K^- D^{*+} \bar{D}^{*0}, \bar{D}^{*-} \rightarrow \pi^0 D^-, D^{*+} \rightarrow \pi^+ D^0,$ $\bar{D}^{*0} \rightarrow \pi^0 \bar{D}^0$ $(e^+e^- \rightarrow \pi^0 \pi^0 \pi^+ \pi^+ \pi^- K^- D^- D^0 \bar{D}^0 \gamma \gamma)$	113	113	1	114
115	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \bar{D}^{*-} D_{s1}^{'+}, \bar{B}^0 \rightarrow e^- \bar{\nu}_e D^{*+}, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, D_{s1}^{'+} \rightarrow \pi^0 D_s^{*+},$ $D^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow e^- \bar{\nu}_e \pi^0 \pi^+ \pi^- D^0 \bar{D}^0 D_s^{*+})$	114	114	1	115
116	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow \bar{B}^0 \bar{B}^0, B^0 \rightarrow D^{*+} D_s^{*-}, \bar{B}^0 \rightarrow \mu^- \bar{\nu}_\mu D_1^{'+}, D^{*+} \rightarrow \pi^+ D^0, D_s^{*-} \rightarrow D_s^- \gamma,$ $D_1^{'+} \rightarrow \pi^0 D^{*+}$ $(e^+e^- \rightarrow \mu^- \bar{\nu}_\mu \pi^0 \pi^+ D^{*+} D^0 D_s^- \gamma)$	115	115	1	116
117	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^0 \pi^+ \eta K^0 K^* D^-, \bar{B}^0 \rightarrow D^{*+} D_s^{*-}, \eta \rightarrow \pi^+ \pi^-, K^0 \rightarrow K_L,$ $K^* \rightarrow \pi^- K^+, D^- \rightarrow \pi^0 \pi^- K^*, D^{*+} \rightarrow \pi^+ D^0, D_s^{*-} \rightarrow D_s^- \gamma$ $(e^+e^- \rightarrow \pi^0 K_L \pi^+ \pi^+ \pi^- \pi^- \pi^- K^* K^+ D^0 D_s^- \gamma \gamma \gamma)$	116	116	1	117
118	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \rho^- \eta K^0 K^+ \bar{D}^{*0}, \bar{B}^0 \rightarrow \pi^- \eta D^{*+}, \rho^- \rightarrow \pi^0 \pi^-, \eta \rightarrow \pi^0 \pi^0 \pi^0,$ $\bar{K}^0 \rightarrow K_S, \bar{D}^{*0} \rightarrow \bar{D}^0 \gamma, \eta \rightarrow \pi^0 \pi^0 \pi^0, D^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^0 \pi^0 \pi^0 \pi^+ \pi^- \pi^- K_S K^+ D^0 \bar{D}^0 \gamma)$	117	117	1	118
119	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^0 \pi^0 \bar{D}^0, \bar{B}^0 \rightarrow \pi^0 \rho^0 \rho^+ \omega D^-, \bar{D}^0 \rightarrow \rho^0 \pi^- K^+, \rho^0 \rightarrow \pi^+ \pi^-,$ $\rho^+ \rightarrow \pi^0 \pi^+, \omega \rightarrow \pi^0 \pi^+ \pi^-, D^- \rightarrow e^- \bar{\nu}_e \pi^- K^+$ $(e^+e^- \rightarrow e^- \bar{\nu}_e \pi^0 \pi^0 \rho^0 \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^+ K^+ \gamma \gamma \gamma \gamma \gamma \gamma)$	118	118	1	119
120	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow K^0 D^{*+} \bar{D}^{*-}, \bar{B}^0 \rightarrow \mu^- \bar{\nu}_\mu D^{*+}, K^0 \rightarrow K_S, D^{*+} \rightarrow \pi^0 D^+,$ $\bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, D^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow \mu^- \bar{\nu}_\mu \pi^0 \pi^+ \pi^- K_S D^+ D^0 \bar{D}^0)$	119	119	1	120
121	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow \bar{B}^0 \bar{B}^0, B^0 \rightarrow e^- \bar{\nu}_e D^{*+}, \bar{B}^0 \rightarrow \mu^- \bar{\nu}_\mu D^{*+}, D^{*+} \rightarrow \pi^+ D^0, D^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow e^- \bar{\nu}_e \mu^- \bar{\nu}_\mu \pi^+ \pi^+ D^0 D^0)$	120	120	1	121
122	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^0 \pi^+ \bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^+ \pi^- \omega D^{*0}, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, \omega \rightarrow \pi^0 \pi^+ \pi^-,$ $D^{*0} \rightarrow \pi^0 D^0$ $(e^+e^- \rightarrow \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- \pi^- D^0 \bar{D}^0 \gamma \gamma)$	121	121	1	122

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
123	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \mu^+\nu_\mu\bar{D}^{*-}, \bar{B}^0 \rightarrow e^-\bar{\nu}_e D^{*+}, \bar{D}^{*-} \rightarrow \pi^-\bar{D}^0, D^{*+} \rightarrow \pi^+D^0$ ($e^+e^- \rightarrow e^-\bar{\nu}_e\mu^+\nu_\mu\pi^+\pi^-D^0\bar{D}^0$)	122	122	1	123
124	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \tau^+\nu_\tau\bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^0\omega K^{*-}D_s^+, \tau^+ \rightarrow \bar{\nu}_\tau\pi^0\pi^+, \bar{D}^{*-} \rightarrow \pi^0D^-,$ $\omega \rightarrow \pi^0\pi^+\pi^-, K^{*-} \rightarrow \pi^-\bar{K}^0, D_s^+ \rightarrow \pi^+f_0(980)$ ($e^+e^- \rightarrow \nu_\tau\bar{\nu}_\tau\pi^0\pi^0\pi^+\pi^+\pi^+\pi^-\pi^-\bar{K}^0D^-f_0(980)\gamma\gamma$)	123	123	1	124
125	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^-\bar{K}^0K^+\bar{D}^{*0}, \bar{B}^0 \rightarrow \mu^-\bar{\nu}_\mu D^+, K^0 \rightarrow K_L, \bar{D}^{*0} \rightarrow \pi^0\bar{D}^0,$ $D^+ \rightarrow K_L K^{*+}$ ($e^+e^- \rightarrow \mu^-\bar{\nu}_\mu\pi^0 K_L K_L\pi^- K^+ K^{*+}\bar{D}^0$)	124	124	1	125
126	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \mu^+\nu_\mu D_1'^-, \bar{B}^0 \rightarrow \mu^-\bar{\nu}_\mu D^{*+}, D_1'^- \rightarrow \pi^-\bar{D}^{*0}, D^{*+} \rightarrow \pi^0D^+$ ($e^+e^- \rightarrow \mu^+\mu^-\nu_\mu\bar{\nu}_\mu\pi^0\pi^-D^+\bar{D}^{*0}$)	125	125	1	126
127	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^0\pi^+\pi^+\pi^-\bar{D}^{*-}, \bar{B}^0 \rightarrow D_2^{*+}D_s^-, \pi^0 \rightarrow e^+e^-, \bar{D}^{*-} \rightarrow \pi^-\bar{D}^0,$ $D_2^{*+} \rightarrow \pi^+D^0, D_s^- \rightarrow \pi^0\pi^0\pi^-$ ($e^+e^- \rightarrow e^+e^-\pi^0\pi^0\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-D^0\bar{D}^0$)	126	126	1	127
128	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow \bar{B}^0\bar{B}^0, \bar{B}^0 \rightarrow e^-\bar{\nu}_e D^{*+}, \bar{B}^0 \rightarrow \bar{K}^*D^+D^-, D^{*+} \rightarrow \pi^+D^0, \bar{K}^* \rightarrow \pi^+K^-,$ $D^+ \rightarrow e^+\nu_e\bar{K}^0, D^- \rightarrow e^-\bar{\nu}_e K^*$ ($e^+e^- \rightarrow e^+e^-e^-\nu_e\bar{\nu}_e\pi^+\pi^+\bar{K}^0K^*K^-D^0$)	127	127	1	128
129	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow e^+\nu_e D_1'^-, \bar{B}^0 \rightarrow \pi^+D^0D_s^-, D_1'^- \rightarrow \pi^-\bar{D}^{*0}, D^0 \rightarrow \pi^0\pi^+\pi^-K_S,$ $D_s^- \rightarrow \tau^-\bar{\nu}_\tau$ ($e^+e^- \rightarrow e^+\nu_e\tau^-\bar{\nu}_\tau\pi^0\pi^+\pi^+\pi^-\pi^-K_S\bar{D}^{*0}$)	128	128	1	129
130	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \bar{D}^{*-}a_1^+, \bar{B}^0 \rightarrow e^-\bar{\nu}_e D^{*+}, \bar{D}^{*-} \rightarrow \pi^0D^-, a_1^+ \rightarrow \pi^0\rho^+,$ $D^{*+} \rightarrow \pi^0D^+$ ($e^+e^- \rightarrow e^-\bar{\nu}_e\pi^0\pi^0\rho^+D^+D^-$)	129	129	1	130
131	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \eta\bar{K}^0K^+\bar{D}^{*-}, \bar{B}^0 \rightarrow \rho^-\eta D^+, \eta \rightarrow \pi^0\pi^+\pi^-, \bar{K}^0 \rightarrow K_S,$ $\bar{D}^{*-} \rightarrow \pi^0D^-, \rho^- \rightarrow \pi^0\pi^-, \eta \rightarrow \gamma\gamma, D^+ \rightarrow \pi^0\pi^0\pi^+$ ($e^+e^- \rightarrow \pi^0\pi^0\pi^0\pi^0\pi^+\pi^+\pi^-\pi^-K_SK^+D^-\gamma\gamma$)	130	130	1	131
132	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow \bar{B}^0\bar{B}^0, \bar{B}^0 \rightarrow \rho^-D^+, \bar{B}^0 \rightarrow \rho^0\pi^-\omega D^+, \rho^- \rightarrow \pi^0\pi^-, D^+ \rightarrow e^+\nu_e\pi^+K^-,$ $\rho^0 \rightarrow \pi^+\pi^-, \omega \rightarrow \pi^0\pi^+\pi^-, D^+ \rightarrow \pi^+\pi^+K^-$ ($e^+e^- \rightarrow e^+\nu_e\pi^0\pi^0\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^-K^-$)	131	131	1	132
133	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \bar{D}^{*-}D_s^+, \bar{B}^0 \rightarrow e^+\nu_e D_2^{*-}, \bar{D}^{*-} \rightarrow \pi^0D^-, D_s^+ \rightarrow \mu^+\nu_\mu\phi,$ $D_2^{*-} \rightarrow \pi^-\bar{D}^{*0}$ ($e^+e^- \rightarrow e^+\nu_e\mu^+\nu_\mu\pi^0\pi^-\phi D^-\bar{D}^{*0}$)	132	132	1	133
134	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^+\pi^-\rho^+\bar{D}^{*-}, \bar{B}^0 \rightarrow D_2^{*+}D_s^-, \rho^+ \rightarrow \pi^0\pi^+, \bar{D}^{*-} \rightarrow \pi^-\bar{D}^0,$ $D_2^{*+} \rightarrow \pi^+D^0, D_s^- \rightarrow \tau^-\bar{\nu}_\tau$ ($e^+e^- \rightarrow \tau^-\bar{\nu}_\tau\pi^0\pi^+\pi^+\pi^+\pi^-\pi^-D^0\bar{D}^0$)	133	133	1	134
135	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^0\omega K^+D_s^{*-}, \bar{B}^0 \rightarrow \mu^-\bar{\nu}_\mu D^{*+}, \omega \rightarrow \pi^0\pi^+\pi^-, D_s^{*-} \rightarrow D_s^-\gamma,$ $D^{*+} \rightarrow \pi^+D^0$ ($e^+e^- \rightarrow \mu^-\bar{\nu}_\mu\pi^0\pi^+\pi^+\pi^-K^+D^0D_s^-\gamma\gamma\gamma$)	134	134	1	135

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
148	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \rho^0 \pi^+ \pi^- \rho^- D^-, \bar{B}^0 \rightarrow D_s^{*-} D_1^+, \rho^0 \rightarrow \pi^+ \pi^-, \rho^- \rightarrow \pi^0 \pi^-,$ $D^- \rightarrow \mu^- \bar{\nu}_\mu K^0, D_s^{*-} \rightarrow D_s^- \gamma, D_1^+ \rightarrow \pi^+ D^{*0}$ $(e^+e^- \rightarrow \mu^- \bar{\nu}_\mu \pi^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- K^0 D^{*0} D_s^- \gamma)$	147	147	1	148
149	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^0 \rho^0 \pi^+ D^-, \bar{B}^0 \rightarrow \pi^+ \pi^- \pi^- D^+, \rho^0 \rightarrow \pi^+ \pi^-, D^- \rightarrow \pi^- K_1^{'0},$ $D^+ \rightarrow K_S a_1^+$ $(e^+e^- \rightarrow \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K_S a_1^+ K_1^{'0} \gamma \gamma)$	148	148	1	149
150	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \tau^+ \nu_\tau D_0^{*-}, \bar{B}^0 \rightarrow \pi^0 \omega K^* K^- D^+, \tau^+ \rightarrow \mu^+ \nu_\mu \bar{\nu}_\tau, D_0^{*-} \rightarrow \pi^- \bar{D}^0,$ $\omega \rightarrow \pi^0 \pi^+ \pi^-, K^* \rightarrow \pi^0 K^0, D^+ \rightarrow \pi^+ \pi^+ K^-$ $(e^+e^- \rightarrow \mu^+ \nu_\mu \nu_\tau \bar{\nu}_\tau \pi^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- K^0 K^- K^- \bar{D}^0 \gamma \gamma)$	149	149	1	150
151	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow e^+ \nu_e \pi^+ \pi^- \bar{D}^{*-}, \bar{B}^0 \rightarrow e^- \bar{\nu}_e D^{*+}, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, D^{*+} \rightarrow \pi^0 D^+$ $(e^+e^- \rightarrow e^+ e^- \nu_e \bar{\nu}_e \pi^0 \pi^+ \pi^- \pi^- D^+ \bar{D}^0)$	150	150	1	151
152	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \rho^0 \bar{D}^{*-} \Sigma^0 \Sigma^+, \bar{B}^0 \rightarrow \eta K^0 J/\psi, \rho^0 \rightarrow \pi^+ \pi^-, \bar{D}^{*-} \rightarrow \pi^0 D^-,$ $\bar{\Sigma}^0 \rightarrow \bar{\Lambda} \gamma, \Sigma^+ \rightarrow \pi^+ n, \eta \rightarrow \pi^0 \pi^0 \pi^0, \bar{K}^0 \rightarrow K_L, J/\psi \rightarrow \pi^- \eta K_S K^+$ $(e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^0 K_L \pi^+ \pi^+ \pi^- \pi^- \eta K_S K^+ D^- n \bar{\Lambda} \gamma)$	151	151	1	152
153	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \rho^0 \rho^0 \rho^0 \rho^+ \bar{D}^{*-}, \bar{B}^0 \rightarrow e^- \bar{\nu}_e D^{*+}, \rho^0 \rightarrow \pi^+ \pi^-, \rho^0 \rightarrow \pi^+ \pi^-,$ $\rho^0 \rightarrow \pi^+ \pi^-, \rho^+ \rightarrow \pi^0 \pi^+, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, D^{*+} \rightarrow D^+ \gamma$ $(e^+e^- \rightarrow e^- \bar{\nu}_e \pi^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- D^+ \bar{D}^0 \gamma)$	152	152	1	153
154	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow K^{*+} D^-, \bar{B}^0 \rightarrow \pi^+ K^- \chi_{c1}, K^{*+} \rightarrow \pi^0 K^+, D^- \rightarrow \pi^- K_1^{'0},$ $\chi_{c1} \rightarrow \pi^- \eta \eta \bar{K}^0 K^+$ $(e^+e^- \rightarrow \pi^0 \pi^+ \pi^- \pi^- \eta \eta \bar{K}^0 K^+ K^+ K^- K_1^{'0})$	153	153	1	154
155	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow K^{*+} D^- D^0, \bar{B}^0 \rightarrow e^- \bar{\nu}_e D_2^{*+}, K^{*+} \rightarrow \pi^0 K^+, D^- \rightarrow \pi^0 \pi^- K_S,$ $D^0 \rightarrow \pi^0 \pi^0 \pi^+ \pi^-, D_2^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow e^- \bar{\nu}_e \pi^0 \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- K_S K^+ D^0)$	154	154	1	155
156	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \rho^+ D^-, \bar{B}^0 \rightarrow \pi^- \pi^- \rho^+ D^{*+}, \rho^+ \rightarrow \pi^0 \pi^+, D^- \rightarrow \rho^- K^*,$ $\rho^+ \rightarrow \pi^0 \pi^+, D^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- \rho^- K^* D^0)$	155	155	1	156
157	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow e^+ \nu_e \bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^0 \rho^0 \rho^- D^{*+} \gamma, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, \rho^0 \rightarrow \pi^+ \pi^-,$ $\rho^- \rightarrow \pi^0 \pi^-, D^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow e^+ \nu_e \pi^0 \pi^+ \pi^+ \pi^- \pi^- \pi^- D^0 \bar{D}^0 \gamma \gamma \gamma)$	156	156	1	157
158	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^+ \bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^0 \rho^0 \pi^+ \pi^+ \pi^- \pi^- \eta \omega D^-, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, \rho^0 \rightarrow \pi^+ \pi^-,$ $\eta \rightarrow \pi^0 \pi^+ \pi^-, \omega \rightarrow \pi^0 \pi^+ \pi^-, D^- \rightarrow \mu^- \bar{\nu}_\mu \pi^- K^+$ $(e^+e^- \rightarrow \mu^- \bar{\nu}_\mu \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- K^+ \bar{D}^0 \gamma \gamma)$	157	157	1	158
159	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^- K^0 D^+ \bar{D}^{*0}, \bar{B}^0 \rightarrow e^- \bar{\nu}_e D^+, K^0 \rightarrow K_S, D^+ \rightarrow K_S a_1^+,$ $\bar{D}^{*0} \rightarrow \bar{D}^0 \gamma, D^+ \rightarrow \mu^+ \nu_\mu \bar{K}^*$ $(e^+e^- \rightarrow e^- \bar{\nu}_e \mu^+ \nu_\mu \pi^- K_S K_S \bar{K}^* \bar{D}^0 a_1^+ \gamma)$	158	158	1	159

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
160	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \mu^+\nu_\mu D_1^-, \bar{B}^0 \rightarrow e^-\bar{\nu}_e D^{*+}, D_1^- \rightarrow \pi^- \bar{D}^{*0}, D^{*+} \rightarrow \pi^0 D^+$ ($e^+e^- \rightarrow e^-\bar{\nu}_e \mu^+\nu_\mu \pi^0 \pi^- D^+ \bar{D}^{*0}$)	159	159	1	160
161	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \bar{K}^0 K^+ D^-, \bar{B}^0 \rightarrow \rho^0 \pi^- D^{*+}, \bar{K}^0 \rightarrow K_L, D^- \rightarrow K^* a_1^-,$ $\rho^0 \rightarrow \pi^+ \pi^-, D^{*+} \rightarrow \pi^+ D^0$ ($e^+e^- \rightarrow K_L \pi^+ \pi^+ \pi^- \pi^- K^* K^+ D^0 a_1^-$)	160	160	1	161
162	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, \bar{B}^0 \rightarrow D^{*+} D_s^-, \bar{B}^0 \rightarrow \pi^0 \pi^0 \pi^- \omega D^+, D^{*+} \rightarrow \pi^+ D^0, D_s^- \rightarrow \mu^- \bar{\nu}_\mu \eta,$ $\omega \rightarrow \pi^+ \pi^-, D^+ \rightarrow \mu^+ \nu_\mu \bar{K}^*$ ($e^+e^- \rightarrow \mu^+ \mu^- \nu_\mu \bar{\nu}_\mu \pi^+ \pi^+ \pi^- \pi^- \eta \bar{K}^* D^0 \gamma \gamma \gamma$)	161	161	1	162
163	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^+ \omega D^{*-}, \bar{B}^0 \rightarrow D^{*+} D_s^-, \omega \rightarrow \pi^0 \pi^+ \pi^-, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0,$ $D^{*+} \rightarrow \pi^0 D^+, D_s^- \rightarrow \mu^- \bar{\nu}_\mu \eta'$ ($e^+e^- \rightarrow \mu^- \bar{\nu}_\mu \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- \eta' D^+ \bar{D}^0$)	162	162	1	163
164	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^0 \Sigma^0 \Xi_c^0, \bar{B}^0 \rightarrow D^+ D_{s1}^-, \Sigma^0 \rightarrow \Lambda \gamma, \Xi_c^0 \rightarrow \pi^- K^+ \Sigma^0,$ $D^+ \rightarrow \mu^+ \nu_\mu \bar{K}^*, D_{s1}^- \rightarrow \pi^0 D_s^{*-}$ ($e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^- \bar{K}^* K^+ D_s^{*-} \Lambda \Sigma^0 \gamma \gamma \gamma$)	163	163	1	164
165	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \rho^0 \eta \omega D^{*0}, \bar{B}^0 \rightarrow \pi^0 \rho^- \omega D^{*+}, \rho^0 \rightarrow \pi^+ \pi^-, \eta \rightarrow \pi^0 \pi^+ \pi^-,$ $\omega \rightarrow \pi^0 \pi^+ \pi^-, \bar{D}^{*0} \rightarrow \pi^0 \bar{D}^0, \rho^- \rightarrow \pi^0 \pi^-, \omega \rightarrow \pi^0 \pi^+ \pi^-, D^{*+} \rightarrow \pi^+ D^0$ ($e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- D^0 \bar{D}^0 \gamma \gamma$)	164	164	1	165
166	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \bar{D}^{*-} \Delta^- \Delta^0, \bar{B}^0 \rightarrow \rho^- D^+, \bar{D}^{*-} \rightarrow \pi^0 D^-, \Delta^- \rightarrow \pi^+ \bar{n},$ $\Delta^0 \rightarrow \pi^0 n, \rho^- \rightarrow \pi^0 \pi^-, D^+ \rightarrow \mu^+ \nu_\mu \pi^+ K^-$ ($e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^0 \pi^+ \pi^+ \pi^- K^- D^- n \bar{n}$)	165	165	1	166
167	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \rho^- p \Sigma_c^0, \bar{B}^0 \rightarrow \tau^- \bar{\nu}_\tau D^{*+}, \rho^- \rightarrow \pi^0 \pi^-, \Sigma_c^0 \rightarrow \pi^+ \bar{\Lambda}_c^-,$ $\tau^- \rightarrow \nu_\tau \pi^0 \pi^-, D^{*+} \rightarrow \pi^+ D^0$ ($e^+e^- \rightarrow \nu_\tau \bar{\nu}_\tau \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- D^0 p \bar{\Lambda}_c^-$)	166	166	1	167
168	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^+ K^{*-} J/\psi, \bar{B}^0 \rightarrow \bar{K}^0 D^{*0} \bar{D}^{*0}, K^{*-} \rightarrow \pi^- \bar{K}^0, J/\psi \rightarrow K^* \bar{K}^* \gamma,$ $\bar{K}^0 \rightarrow K_L, D^{*0} \rightarrow D^0 \gamma, \bar{D}^{*0} \rightarrow \bar{D}^0 \gamma$ ($e^+e^- \rightarrow K_L \pi^+ \pi^- \bar{K}^0 K^* \bar{K}^* D^0 \bar{D}^0 \gamma \gamma \gamma$)	167	167	1	168
169	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^- K^{*+} \bar{D}^0 \bar{D}^{*0}, \bar{B}^0 \rightarrow \pi^0 \pi^+ \pi^- \pi^- D^{*+}, K^{*+} \rightarrow \pi^+ K^0, \bar{D}^0 \rightarrow K^- a_1^+,$ $\bar{D}^{*0} \rightarrow \pi^0 \bar{D}^0, D^{*+} \rightarrow \pi^+ D^0$ ($e^+e^- \rightarrow \pi^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- K^0 K^- D^0 \bar{D}^0 a_1^+ \gamma \gamma$)	168	168	1	169
170	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \mu^+ \nu_\mu D^-, \bar{B}^0 \rightarrow \pi^+ \pi^+ \pi^- \pi^- \pi^- \eta K^+ K^+ D_s^{*-}, D^- \rightarrow \mu^- \bar{\nu}_\mu K^0, \eta \rightarrow \pi^0 \pi^+ \pi^-,$ $D_s^{*-} \rightarrow D_s^- \gamma$ ($e^+e^- \rightarrow \mu^+ \mu^- \nu_\mu \bar{\nu}_\mu \pi^0 \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^0 K^+ K^+ D_s^- \gamma$)	169	169	1	170
171	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^0 \bar{K}^0 D^- \Delta^0 \bar{\Sigma}^+, \bar{B}^0 \rightarrow \pi^0 \pi^+ \pi^+ \pi^- \rho^- \bar{D}^0, \bar{K}^0 \rightarrow K_L, D^- \rightarrow \pi^0 \pi^- K_S,$ $\Delta^0 \rightarrow \pi^0 n, \bar{\Sigma}^+ \rightarrow \pi^+ \bar{n}, \rho^- \rightarrow \pi^0 \pi^-, \bar{D}^0 \rightarrow \pi^- \rho^+$ ($e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 K_L \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \rho^+ K_S n \bar{n} \gamma \gamma \gamma$)	170	170	1	171

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
172	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \mu^+ \nu_\mu \bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^+ \rho^- \rho^- \omega D^{*+}, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, \rho^- \rightarrow \pi^0 \pi^-,$ $\rho^- \rightarrow \pi^0 \pi^-, \omega \rightarrow \pi^0 \pi^+ \pi^-, D^{*+} \rightarrow \pi^0 D^+$ $(e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^0 \pi^0 \pi^+ \pi^- \pi^- \pi^- \pi^- D^+ \bar{D}^0)$	171	171	1	172
173	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \bar{D}^{*-} D_{s1}^{'+}, \bar{B}^0 \rightarrow \pi^0 \pi^+ \pi^+ K^- D^-, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, D_{s1}^{'+} \rightarrow \pi^0 D_s^{*+},$ $D^- \rightarrow K_S K^{*-}$ $(e^+e^- \rightarrow \pi^0 \pi^+ \pi^+ \pi^- K_S K^- K^{*-} \bar{D}^0 D_s^{*+} \gamma \gamma)$	172	172	1	173
174	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow K^* D^- D^{*+}, \bar{B}^0 \rightarrow \rho^0 \rho^- \eta D^{*+}, K^* \rightarrow \pi^- K^+, D^- \rightarrow \mu^- \bar{\nu}_\mu K^0,$ $D^{*+} \rightarrow \pi^+ D^0, \rho^0 \rightarrow \pi^+ \pi^-, \rho^- \rightarrow \pi^0 \pi^-, \eta \rightarrow \pi^0 \pi^+ \pi^-, D^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow \mu^- \bar{\nu}_\mu \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- K^0 K^+ D^0 D^0)$	173	173	1	174
175	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow \bar{B}^0 \bar{B}^0, \bar{B}^0 \rightarrow \rho^- \omega D^+ \gamma, \bar{B}^0 \rightarrow \pi^0 \pi^0 \pi^+ K^0 K^- K^- D^{*+}, \rho^- \rightarrow \pi^0 \pi^-, \omega \rightarrow \pi^0 \pi^+ \pi^-,$ $D^+ \rightarrow \pi^0 \pi^+ \bar{K}^*, K^0 \rightarrow K_L, K^0 \rightarrow K_L, D^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 K_L K_L \pi^+ \pi^+ \pi^+ \pi^- \pi^- \bar{K}^* K^- K^- D^0 \gamma \gamma \gamma \gamma)$	174	174	1	175
176	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \tau^+ \nu_\tau \bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^0 \bar{n} \Sigma_c^0, \tau^+ \rightarrow \bar{\nu}_\tau \pi^0 \pi^0 \pi^+, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0,$ $\Sigma_c^0 \rightarrow \pi^- \Lambda_c^+$ $(e^+e^- \rightarrow \nu_\tau \bar{\nu}_\tau \pi^0 \pi^0 \pi^+ \pi^- \pi^- \bar{D}^0 \bar{n} \Lambda_c^+ \gamma \gamma)$	175	175	1	176
177	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \rho^- D^- \bar{\Delta}^0 \Delta^{++}, \bar{B}^0 \rightarrow e^- \bar{\nu}_e D^{*+}, \rho^- \rightarrow \pi^0 \pi^-, D^- \rightarrow K_L K_L K^-,$ $\bar{\Delta}^0 \rightarrow \pi^0 \bar{n}, \Delta^{++} \rightarrow \pi^+ p, D^{*+} \rightarrow \pi^0 D^+$ $(e^+e^- \rightarrow e^- \bar{\nu}_e \pi^0 \pi^0 K_L K_L \pi^+ \pi^- K^- D^+ \bar{n} p)$	176	176	1	177
178	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^0 D^- \bar{n} p, \bar{B}^0 \rightarrow \pi^0 \pi^0 \pi^0 \pi^+ K^{*-} \bar{D}^{*0}, D^- \rightarrow K_L a_1^-, K^{*-} \rightarrow \pi^0 K^-,$ $\bar{D}^{*0} \rightarrow \bar{D}^0 \gamma$ $(e^+e^- \rightarrow \pi^0 K_L \pi^+ K^- \bar{D}^0 \bar{n} p a_1^- \gamma \gamma \gamma \gamma \gamma \gamma \gamma \gamma)$	177	177	1	178
179	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow \bar{B}^0 \bar{B}^0, \bar{B}^0 \rightarrow \mu^- \bar{\nu}_\mu D^{*+}, \bar{B}^0 \rightarrow D^+ \Delta^- \bar{n}, D^{*+} \rightarrow \pi^0 D^+, D^+ \rightarrow \pi^+ \pi^+ K^-,$ $\Delta^- \rightarrow \pi^- n$ $(e^+e^- \rightarrow \mu^- \bar{\nu}_\mu \pi^0 \pi^+ \pi^+ \pi^- K^- D^+ n \bar{n})$	178	178	1	179
180	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \mu^+ \nu_\mu \bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^0 \pi^+ D^0 D_s^{*-}, \bar{D}^{*-} \rightarrow \pi^0 D^-, D^0 \rightarrow e^+ \nu_e K^{*-},$ $D_s^{*-} \rightarrow D_s^- \gamma$ $(e^+e^- \rightarrow e^+ \nu_e \mu^+ \nu_\mu \pi^0 \pi^+ K^{*-} D^- D_s^- \gamma \gamma \gamma)$	179	179	1	180
181	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \mu^+ \nu_\mu X_u^-, \bar{B}^0 \rightarrow K^* \Lambda \Xi_c^{*0}, X_u^- \rightarrow \pi^0 \rho^-, \bar{K}^* \rightarrow \pi^+ K^-,$ $\bar{\Lambda} \rightarrow \pi^+ \bar{p}, \Xi_c^{*0} \rightarrow \Xi_c^0 \gamma$ $(e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^+ \pi^+ \rho^- K^- \bar{p} \Xi_c^0 \gamma)$	180	180	1	181
182	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^0 \rho^0 \pi^+ \omega \bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^+ \pi^- \rho^- D^+, \rho^0 \rightarrow \pi^+ \pi^-, \omega \rightarrow \pi^0 \pi^+ \pi^-,$ $\bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, \rho^- \rightarrow \pi^0 \pi^-, D^+ \rightarrow \mu^+ \nu_\mu \pi^+ K^-$ $(e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^- \bar{D}^0 \gamma \gamma)$	181	181	1	182
183	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow \bar{B}^0 \bar{B}^0, \bar{B}^0 \rightarrow D^{*+} D_{s1}^{'-}, \bar{B}^0 \rightarrow \pi^- \eta D^{*+}, D^{*+} \rightarrow \pi^0 D^+, D_{s1}^{'-} \rightarrow \pi^0 D_s^{*-},$ $\eta \rightarrow \pi^0 \pi^0 \pi^0, D^{*+} \rightarrow \pi^+ D^0$ $(e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^0 \pi^+ \pi^- D^+ D^0 D_s^{*-})$	182	182	1	183

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
184	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \mu^+ \nu_\mu D_1'^-, \bar{B}^0 \rightarrow \pi^0 \pi^+ \pi^- \rho^- D^{*+}, D_1'^- \rightarrow \pi^0 \bar{D}^{*-}, \rho^- \rightarrow \pi^0 \pi^-,$ $D^{*+} \rightarrow \pi^+ D^0$ ($e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^+ \pi^+ \pi^- \pi^- \bar{D}^{*-} D^0 \gamma \gamma$)	183	183	1	184
185	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \mu^+ \nu_\mu \bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^0 \omega D^- \bar{\Delta}^- \bar{\Delta}^0, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, \omega \rightarrow \pi^0 \pi^+ \pi^-,$ $D^- \rightarrow e^- \bar{\nu}_e K^0, \bar{\Delta}^- \rightarrow \pi^+ \bar{n}, \Delta^0 \rightarrow \pi^0 n$ ($e^+e^- \rightarrow e^- \bar{\nu}_e \mu^+ \nu_\mu \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- K^0 \bar{D}^0 n \bar{n} \gamma \gamma$)	184	184	1	185
186	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow e^+ \nu_e \bar{D}^{*-}, \bar{B}^0 \rightarrow \omega \bar{K}^0 K^* \bar{K}^*, \bar{D}^{*-} \rightarrow \pi^0 D^-, \omega \rightarrow \pi^0 \pi^+ \pi^-,$ $\bar{K}^0 \rightarrow K_L, K^* \rightarrow \pi^- K^+, \bar{K}^* \rightarrow \pi^0 \bar{K}^0$ ($e^+e^- \rightarrow e^+ \nu_e \pi^0 \pi^0 K_L \pi^+ \pi^- \pi^- \bar{K}^0 K^+ D^-$)	185	185	1	186
187	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \mu^+ \nu_\mu D_2^{*-}, \bar{B}^0 \rightarrow \mu^- \bar{\nu}_\mu D^{*+}, D_2^{*-} \rightarrow \pi^- \bar{D}^{*0}, D^{*+} \rightarrow \pi^0 D^+$ ($e^+e^- \rightarrow \mu^+ \mu^- \nu_\mu \bar{\nu}_\mu \pi^0 \pi^- D^+ \bar{D}^{*0}$)	186	125	1	187
188	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^+ \pi^- \rho^+ \rho^- \bar{D}^0, \bar{B}^0 \rightarrow \mu^- \bar{\nu}_\mu D^{*+}, \rho^+ \rightarrow \pi^0 \pi^+, \rho^- \rightarrow \pi^0 \pi^-,$ $\bar{D}^0 \rightarrow K^+ a_1^-, D^{*+} \rightarrow \pi^+ D^0$ ($e^+e^- \rightarrow \mu^- \bar{\nu}_\mu \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- K^+ D^0 a_1^-$)	187	186	1	188
189	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \bar{D}^{*-} D_{s1}^{*+}, \bar{B}^0 \rightarrow e^- \bar{\nu}_e D_2^{*+}, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, D_{s1}^{*+} \rightarrow \pi^0 D_s^{*+},$ $D_2^{*+} \rightarrow \pi^+ D^{*0}$ ($e^+e^- \rightarrow e^- \bar{\nu}_e \pi^0 \pi^+ \pi^- \bar{D}^0 D^{*0} D_s^{*+}$)	188	187	1	189
190	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \rho^+ \eta \eta \bar{D}^{*-}, \bar{B}^0 \rightarrow \pi^0 \pi^+ \eta K^{*-}, \rho^+ \rightarrow \pi^0 \pi^+, \eta \rightarrow \pi^0 \pi^0 \pi^0,$ $\eta \rightarrow \pi^0 \pi^0 \pi^0, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0, \eta \rightarrow \pi^0 \pi^0 \pi^0, K^{*-} \rightarrow \pi^0 K^-$ ($e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^0 \pi^0 \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^- K^- \bar{D}^0 \gamma \gamma$)	189	188	1	190
191	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \pi^+ \Delta^+ \bar{\Sigma}_c^{*-}, \bar{B}^0 \rightarrow \rho^0 \pi^- \pi^- \rho^+ \bar{K}^* D^{*+}, \Delta^+ \rightarrow \pi^0 p, \bar{\Sigma}_c^{*-} \rightarrow \pi^- \bar{\Lambda}_c^-,$ $\rho^0 \rightarrow \pi^+ \pi^-, \rho^+ \rightarrow \pi^0 \pi^+, \bar{K}^* \rightarrow \pi^0 \bar{K}^0, D^{*+} \rightarrow \pi^+ D^0$ ($e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \bar{K}^0 D^0 p \bar{\Lambda}_c^-$)	190	189	1	191
192	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow e^+ \nu_e D^-, \bar{B}^0 \rightarrow \rho^0 \rho^- D^{*+}, D^- \rightarrow e^- \bar{\nu}_e K^0, \rho^0 \rightarrow \pi^+ \pi^-,$ $\rho^- \rightarrow \pi^0 \pi^-, D^{*+} \rightarrow \pi^+ D^0$ ($e^+e^- \rightarrow e^+ e^- \nu_e \bar{\nu}_e \pi^0 \pi^+ \pi^+ \pi^- \pi^- K^0 D^0$)	191	190	1	192
193	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow \rho^+ \bar{D}^{*-}, \bar{B}^0 \rightarrow \rho^0 \pi^- K^0 \bar{K}^* D^+, \rho^+ \rightarrow \pi^0 \pi^+, \bar{D}^{*-} \rightarrow \pi^- \bar{D}^0,$ $\rho^0 \rightarrow \pi^+ \pi^-, K^0 \rightarrow K_S, \bar{K}^* \rightarrow \pi^+ K^-, D^+ \rightarrow K_L a_1^+$ ($e^+e^- \rightarrow \pi^0 K_L \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- K_S K^- \bar{D}^0 a_1^+$)	192	191	1	193
194	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow e^+ \nu_e D^-, \bar{B}^0 \rightarrow K^{*-} D^{*+} \bar{D}^0, D^- \rightarrow K^* K^-, K^{*-} \rightarrow \pi^- \bar{K}^0,$ $D^{*+} \rightarrow \pi^+ D^0, \bar{D}^0 \rightarrow \pi^0 \pi^- K^+$ ($e^+e^- \rightarrow e^+ \nu_e \pi^0 \pi^+ \pi^- \pi^- \bar{K}^0 K^* K^+ K^- D^0$)	193	192	1	194
195	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0 \bar{B}^0, B^0 \rightarrow J/\psi K_1^0, \bar{B}^0 \rightarrow \pi^0 D^+ D_s^{*-}, J/\psi \rightarrow \pi^0 \eta \eta, K_1^0 \rightarrow \pi^+ \pi^- K^0,$ $D^+ \rightarrow e^+ \nu_e \bar{K}^0, D_s^{*-} \rightarrow D_s^- \gamma$ ($e^+e^- \rightarrow e^+ \nu_e \pi^0 \pi^+ \pi^- \eta \eta K^0 \bar{K}^0 D_s^- \gamma \gamma \gamma$)	194	193	1	195

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
196	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow K^*D^+D^-, B^0 \rightarrow \bar{D}^{*-}\bar{\Delta}^-\Delta^0, K^* \rightarrow \pi^0K^0, D^+ \rightarrow \pi^+\bar{K}_1'^0,$ $D^- \rightarrow e^-\bar{\nu}_eK_2^{*0}, \bar{D}^{*-} \rightarrow \pi^-\bar{D}^0, \bar{\Delta}^- \rightarrow \pi^+\bar{n}, \Delta^0 \rightarrow \pi^0n$ $(e^+e^- \rightarrow e^-\bar{\nu}_e\pi^0\pi^0\pi^+\pi^-\pi^-K^0K_2^{*0}\bar{D}^0n\bar{n}\bar{K}_1'^0)$	195	194	1	196
197	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^0\pi^-\eta\bar{D}^{*0}D_s^{*+}, \bar{B}^0 \rightarrow D^{*0}\Delta^0\bar{\Delta}^0, \eta \rightarrow \gamma\gamma, \bar{D}^{*0} \rightarrow \bar{D}^0\gamma,$ $D_s^{*+} \rightarrow D_s^+\gamma, D^{*0} \rightarrow \pi^0D^0, \Delta^0 \rightarrow \pi^0n, \bar{\Delta}^0 \rightarrow \pi^0\bar{n}$ $(e^+e^- \rightarrow \pi^0\pi^0\pi^0\pi^-\bar{D}^0D_s^+n\bar{n}\gamma\gamma\gamma\gamma\gamma)$	196	195	1	197
198	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \rho^0\pi^+\omega\bar{D}^{*-}, \bar{B}^0 \rightarrow D^0n\bar{n}, \rho^0 \rightarrow \pi^+\pi^-, \omega \rightarrow \pi^0\pi^+\pi^-,$ $\bar{D}^{*-} \rightarrow \pi^-\bar{D}^0, D^0 \rightarrow K_L\eta$ $(e^+e^- \rightarrow \pi^0K_L\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\eta\bar{D}^0n\bar{n})$	197	196	1	198
199	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \mu^+\nu_\mu\bar{D}^{*-}, \bar{B}^0 \rightarrow \rho^0\pi^+\pi^-\rho^+\omega\bar{D}^{*-}, \bar{D}^{*-} \rightarrow \pi^0D^-, \rho^0 \rightarrow \pi^+\pi^-,$ $\rho^+ \rightarrow \pi^0\pi^+, \omega \rightarrow \pi^0\pi^+\pi^-, \bar{D}^{*-} \rightarrow \pi^0D^-$ $(e^+e^- \rightarrow \mu^+\nu_\mu\pi^0\pi^0\pi^0\pi^0\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-D^-D^-)$	198	197	1	199
200	$e^+e^- \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^0\bar{B}^0, B^0 \rightarrow \pi^+\pi^+\pi^+\pi^-\pi^-D^-, \bar{B}^0 \rightarrow e^-\bar{\nu}_e\pi^+D^0, D^- \rightarrow \mu^-\bar{\nu}_\mu K_1^0, D^0 \rightarrow \pi^+\pi^-K_S$ $(e^+e^- \rightarrow e^-\bar{\nu}_e\mu^-\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K_SK_1^0)$	199	198	1	200

Table 2: Event initial-final states.

index	event initial-final states	iEvtIFSts	nEvts	nCmltEvts
1	$e^+e^- \rightarrow \mu^+\mu^-\nu_\mu\bar{\nu}_\mu\pi^0\pi^-D^+\bar{D}^{*0}$	125	2	2
2	$e^+e^- \rightarrow e^+e^-\pi^+\pi^+\pi^+\pi^-\pi^-K^0\bar{K}^0K^{*-}D^0$	1	1	3
3	$e^+e^- \rightarrow e^+\nu_e\pi^0\pi^0\pi^0\pi^+\pi^+\pi^-\pi^-K^0\bar{K}^0D^-D^0\gamma\gamma\gamma\gamma$	2	1	4
4	$e^+e^- \rightarrow \pi^0\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\rho^+D^0\bar{D}^0$	3	1	5
5	$e^+e^- \rightarrow \pi^0\pi^0\pi^0\pi^0\pi^+\pi^+\pi^-\pi^-\bar{D}^0D_s^{*+}\gamma\gamma$	4	1	6
6	$e^+e^- \rightarrow e^+e^+\nu_e\nu_e\pi^0\pi^+\pi^+\pi^-\pi^-\pi^-\omega K^-D^0$	5	1	7
7	$e^+e^- \rightarrow \pi^0\pi^+\pi^+\pi^-\pi^-K^+K^-\eta'D^0\gamma\gamma\gamma\gamma\gamma\gamma$	6	1	8
8	$e^+e^- \rightarrow e^+\nu_e\nu_\tau\bar{\nu}_\tau\pi^0\pi^+\pi^-\pi^-K^*D^0\gamma\gamma\gamma\gamma\gamma\gamma$	7	1	9
9	$e^+e^- \rightarrow \mu^-\bar{\nu}_\mu\pi^0\pi^+\pi^+\pi^+D^-D^0\gamma\gamma$	8	1	10
10	$e^+e^- \rightarrow \pi^0\pi^0\pi^-\pi^-K_S K^+D^+D^+D_s^-\gamma$	9	1	11
11	$e^+e^- \rightarrow \mu^+\mu^+\nu_\mu\nu_\mu\pi^0K_L\pi^+\pi^-\pi^-\bar{K}^0K^-D^0$	10	1	12
12	$e^+e^- \rightarrow e^+e^-\pi^0\pi^0\pi^+\pi^-K_S K^+D_s^-\gamma$	11	1	13
13	$e^+e^- \rightarrow \mu^+\nu_\mu\pi^0\pi^0K_L\pi^+\pi^+\pi^-\pi^-\rho^-K_S\bar{K}^0K^{*+}\eta'\gamma\gamma$	12	1	14
14	$e^+e^- \rightarrow \pi^0\pi^0\pi^0\pi^0\pi^0\pi^+\pi^+K_S K^-D^-D^0$	13	1	15
15	$e^+e^- \rightarrow \pi^0\pi^+\pi^+\pi^-K_S K^+K^-D^0a_1^-$	14	1	16
16	$e^+e^- \rightarrow e^-\bar{\nu}_e\pi^0\pi^0\pi^0\pi^0\pi^+D^+D^-\gamma\gamma\gamma\gamma$	15	1	17
17	$e^+e^- \rightarrow e^+\nu_e\pi^0K_L\pi^+\pi^+\pi^-\pi^-\pi^-K^0\bar{D}^0\bar{D}^0\gamma\gamma$	16	1	18
18	$e^+e^- \rightarrow \mu^+\nu_\mu\pi^0K_L\pi^+\pi^-\pi^-K^0K^+K^-\phi D^0\gamma\gamma\gamma\gamma$	17	1	19
19	$e^+e^- \rightarrow e^-\bar{\nu}_e\pi^+\pi^-D^0\bar{D}^0D_s^+\gamma$	18	1	20
20	$e^+e^- \rightarrow \mu^+\nu_\mu\pi^0\pi^0\pi^+\pi^+\pi^-\pi^-\pi^-D^0\bar{D}^{*0}\gamma\gamma$	19	1	21
21	$e^+e^- \rightarrow \mu^-\bar{\nu}_\mu\pi^0\pi^+\bar{K}^0K^+K^-D^0\gamma\gamma$	20	1	22
22	$e^+e^- \rightarrow e^-\bar{\nu}_e\pi^0\pi^0\pi^0\pi^0\pi^+\pi^+\pi^+\pi^-K_S K^-D^+D^-$	21	1	23
23	$e^+e^- \rightarrow \pi^0\pi^0\pi^0\pi^0\pi^0\pi^+\pi^+\pi^-\pi^-D^-D^0D_s^+\gamma\gamma\gamma\gamma\gamma$	22	1	24
24	$e^+e^- \rightarrow \pi^0\pi^0\pi^0\pi^0K_L\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^+D^0$	23	1	25
25	$e^+e^- \rightarrow e^+\nu_e\pi^0\pi^0\pi^0\pi^0\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-K^-D^0\gamma\gamma$	24	1	26
26	$e^+e^- \rightarrow \pi^0K_L\pi^+\pi^+\pi^-\pi^-K^0\bar{K}^*K^+D^0a_1^-\gamma\gamma\gamma$	25	1	27
27	$e^+e^- \rightarrow e^+\nu_e\mu^+\nu_\mu\pi^0\pi^-\pi^-K^*D^0$	26	1	28
28	$e^+e^- \rightarrow \mu^+\mu^-\nu_\mu\bar{\nu}_\mu\pi^+\pi^-\pi^-D^+\bar{D}^0$	27	1	29
29	$e^+e^- \rightarrow e^+\nu_e\nu_\tau\bar{\nu}_\tau\pi^0\pi^+\pi^-\pi^-K^0\bar{D}^0$	28	1	30
30	$e^+e^- \rightarrow \pi^0\pi^0\pi^0\pi^0K_LK_L\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-a_1^+$	29	1	31
31	$e^+e^- \rightarrow \mu^+\nu_\mu\pi^+\pi^+\pi^-\pi^-K^0D^-\gamma$	30	1	32
32	$e^+e^- \rightarrow e^+\nu_e\pi^0\pi^0\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-D^0\bar{D}^0$	31	1	33
33	$e^+e^- \rightarrow \mu^+\nu_\mu\pi^0\pi^0\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K_S\bar{K}^0\gamma\gamma\gamma\gamma$	32	1	34
34	$e^+e^- \rightarrow \nu_\tau\bar{\nu}_\tau\pi^0\pi^0\pi^0\pi^0\pi^0\pi^0\pi^+\pi^+\pi^-\pi^-K^+D^-D^0$	33	1	35
35	$e^+e^- \rightarrow \pi^0\pi^0\pi^+\pi^-\eta K^+K^-K^-D^0\bar{n}p$	34	1	36
36	$e^+e^- \rightarrow e^-\bar{\nu}_e\pi^0\pi^+\pi^+\pi^-\pi^-K^+D^+n\bar{p}$	35	1	37
37	$e^+e^- \rightarrow \mu^+\nu_\mu K_L\pi^+\pi^-D^0a_1^-\gamma\gamma$	36	1	38
38	$e^+e^- \rightarrow \pi^0\pi^0K_L\pi^+\pi^+\pi^-\pi^-\pi^-K_S p\bar{p}\gamma\gamma\gamma\gamma$	37	1	39
39	$e^+e^- \rightarrow e^+\nu_e\mu^+\nu_\mu\pi^0\pi^0\pi^-\pi^-K^0\bar{K}^0K^*\gamma\gamma\gamma\gamma$	38	1	40
40	$e^+e^- \rightarrow \pi^0\pi^0\pi^+\pi^+\pi^+\pi^-\pi^-D^-D^0\gamma$	39	1	41

index	event initial-final states	iEvtIFSts	nEvts	nCmltEvts
41	$e^+e^- \rightarrow \mu^- \mu^- \bar{\nu}_\mu \bar{\nu}_\mu \pi^0 \pi^+ D^+ D^0 \gamma \gamma \gamma$	40	1	42
42	$e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^0 \pi^+ \pi^- \pi^- \pi^- D^+ \bar{D}^0$	41	1	43
43	$e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \rho^0 \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \rho^+ \eta K^* K^- n \bar{\Lambda} \gamma \gamma \gamma$	42	1	44
44	$e^+e^- \rightarrow e^- \bar{\nu}_e \pi^0 \pi^0 \pi^+ \pi^+ \rho^- K^* \eta' D^0$	43	1	45
45	$e^+e^- \rightarrow \pi^0 \pi^0 \pi^+ \pi^- \pi^- \pi^- K^+ D^+ \bar{D}^0 f_0(980)$	44	1	46
46	$e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^0 \pi^+ \pi^- \eta K_S K_S K^+ K^{*-} D^- \gamma \gamma \gamma \gamma$	45	1	47
47	$e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^0 K_L \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- K_S K^+ D^+ \gamma \gamma \gamma \gamma \gamma$	46	1	48
48	$e^+e^- \rightarrow \mu^- \bar{\nu}_\mu \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- K^0 K^* K^- D^0$	47	1	49
49	$e^+e^- \rightarrow e^+ \nu_e \mu^- \mu^- \bar{\nu}_\mu \bar{\nu}_\mu \pi^0 \pi^+ \pi^+ \pi^- K^* K^*$	48	1	50
50	$e^+e^- \rightarrow \mu^- \bar{\nu}_\mu \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^- K_S K^- D^0$	49	1	51
51	$e^+e^- \rightarrow e^+ \nu_e K_L \pi^+ \pi^+ \pi^- \pi^- \pi^- D^0 a_1^- \gamma \gamma$	50	1	52
52	$e^+e^- \rightarrow e^- \bar{\nu}_e \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- K^0 K^- \gamma \gamma$	51	1	53
53	$e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- D^0 K_1^0 \gamma$	52	1	54
54	$e^+e^- \rightarrow \pi^+ \pi^- \rho^+ \rho^- \eta K^{*+} D^0 D_s^- \gamma$	53	1	55
55	$e^+e^- \rightarrow \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- K_S K^0 K^0 \bar{D}^0 \gamma \gamma$	54	1	56
56	$e^+e^- \rightarrow \mu^+ \nu_\mu \pi^+ \pi^+ K^{*-} D_s^- n \bar{\Xi}_c^- \gamma \gamma \gamma \gamma \gamma$	55	1	57
57	$e^+e^- \rightarrow e^+ \nu_e \pi^0 \pi^0 \pi^- D^- \bar{n} \Lambda_c^+ \gamma \gamma$	56	1	58
58	$e^+e^- \rightarrow \mu^- \bar{\nu}_\mu \pi^+ \pi^+ \pi^- \pi^- D^+ \bar{D}^0 \gamma \gamma$	57	1	59
59	$e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- \pi^- K^* n \bar{p} \gamma \gamma \gamma \gamma$	58	1	60
60	$e^+e^- \rightarrow \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- D^0 \bar{D}^0 \gamma \gamma \gamma \gamma \gamma \gamma \gamma$	59	1	61
61	$e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- K_S K^* D^- \bar{D}^0 \gamma \gamma \gamma$	60	1	62
62	$e^+e^- \rightarrow e^+ \nu_e \pi^0 \pi^+ \pi^- \pi^- \rho^+ K^0 K^{*-} D^0 \bar{D}^0$	61	1	63
63	$e^+e^- \rightarrow e^- \bar{\nu}_e \pi^0 \pi^0 \rho^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^+ \bar{D}^0 p \bar{p}$	62	1	64
64	$e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- K^+ D^0$	63	1	65
65	$e^+e^- \rightarrow e^+ \nu_e \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- K^0 K^0 K^- \bar{D}^0 \gamma \gamma \gamma \gamma$	64	1	66
66	$e^+e^- \rightarrow e^+ \nu_e \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K_S D^0 p \bar{p} \gamma \gamma \gamma \gamma$	65	1	67
67	$e^+e^- \rightarrow \mu^+ \nu_\mu \nu_\tau \bar{\nu}_\tau \pi^0 \pi^+ \pi^- \pi^- D^0 \bar{D}^0$	66	1	68
68	$e^+e^- \rightarrow \pi^0 \pi^0 K_L \pi^+ \pi^+ \pi^- \pi^- D^0 D_s^- \gamma \gamma \gamma \gamma$	67	1	69
69	$e^+e^- \rightarrow e^- \bar{\nu}_e \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- K_S D^0 \gamma \gamma$	68	1	70
70	$e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- \phi D^0$	69	1	71
71	$e^+e^- \rightarrow e^+ \nu_e \rho^0 \rho^0 \pi^- \pi^- \rho^+ K^0 K^* K^+ K^{*-}$	70	1	72
72	$e^+e^- \rightarrow e^- \bar{\nu}_e \bar{\nu}_e \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- K^+ K^- \gamma \gamma \gamma \gamma$	71	1	73
73	$e^+e^- \rightarrow \pi^0 \pi^+ \pi^+ \pi^- \pi^- K^* K^+ n \bar{\Lambda}_c^-$	72	1	74
74	$e^+e^- \rightarrow e^+ \nu_e \pi^0 \pi^+ \pi^- \pi^- \pi^- D^0 \bar{D}^0 \bar{n} p$	73	1	75
75	$e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^- K^0 K^- D^+ \bar{D}^0 D_s^-$	74	1	76
76	$e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^- D^- D^- D^0 \gamma \gamma$	75	1	77
77	$e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^0 K_L \pi^+ \pi^+ \pi^- \pi^- \pi^- K^- D^+ \bar{D}^0 \gamma \gamma$	76	1	78
78	$e^+e^- \rightarrow e^- \bar{\nu}_e \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- K_S D^0 D^0 \gamma \gamma$	77	1	79
79	$e^+e^- \rightarrow e^+ e^- \nu_e \bar{\nu}_e \pi^0 \pi^+ \pi^+ \pi^- \pi^- \pi^- D^0 K_1^0$	78	1	80
80	$e^+e^- \rightarrow \mu^- \bar{\nu}_\mu \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- D^+ \bar{D}^0$	79	1	81

index	event initial-final states	iEvtIFSts	nEvts	nCmltEvts
81	$e^+e^- \rightarrow \mu^+\nu_\mu\nu_\tau\bar{\nu}_\tau\pi^0\pi^0 K_L\pi^+\pi^+\pi^-\pi^- K_S K^- D^+ \bar{D}^0 \gamma\gamma$	80	1	82
82	$e^+e^- \rightarrow \mu^-\bar{\nu}_\mu\rho^0\pi^+\pi^+\pi^+\pi^-\omega K^- D_s^- \gamma$	81	1	83
83	$e^+e^- \rightarrow \mu^-\bar{\nu}_\mu\pi^0\pi^0\pi^+\pi^+\pi^+\pi^-\rho^- K_S K^* K^+ K^- \phi\gamma$	82	1	84
84	$e^+e^- \rightarrow \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^- K_S K^+ K^- D^0$	83	1	85
85	$e^+e^- \rightarrow e^-\bar{\nu}_e\mu^+\nu_\mu\pi^0\pi^0\pi^+\pi^+\pi^-\pi^- K^0 \bar{D}^0 \gamma\gamma$	84	1	86
86	$e^+e^- \rightarrow \pi^0\pi^0\pi^0\pi^+\pi^+\pi^-\pi^-\eta\phi\bar{D}^0\bar{D}^0\bar{n}p$	85	1	87
87	$e^+e^- \rightarrow e^-\bar{\nu}_e\mu^-\bar{\nu}_\mu\pi^0\pi^+\pi^+\pi^+\pi^- K^* D^0$	86	1	88
88	$e^+e^- \rightarrow \pi^0\pi^0\rho^0 K_L\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^- K^+ K^- \gamma\gamma$	87	1	89
89	$e^+e^- \rightarrow \mu^-\bar{\nu}_\mu\pi^0\pi^+\pi^+\pi^- D^0 p\Lambda_c^-$	88	1	90
90	$e^+e^- \rightarrow \mu^+\nu_\mu\pi^0\pi^-\pi^- K_S D^- \bar{n}p a_1^+$	89	1	91
91	$e^+e^- \rightarrow \mu^-\mu^-\bar{\nu}_\mu\bar{\nu}_\mu\pi^0\pi^+\pi^+\pi^-\pi^- K^+ D^+ \gamma\gamma$	90	1	92
92	$e^+e^- \rightarrow e^+e^+e^-e^- \pi^0\pi^+\pi^-\eta K^+ K^- \Sigma^+ \bar{\Sigma}^-$	91	1	93
93	$e^+e^- \rightarrow \pi^0\pi^0\pi^0\pi^+\pi^-\pi^- K_S \bar{K}^* J/\psi a_1^+$	92	1	94
94	$e^+e^- \rightarrow \pi^0 K_L K_L \pi^+\pi^+\pi^-\pi^- \pi^- \bar{D}^0 a_1^+$	93	1	95
95	$e^+e^- \rightarrow e^+e^- \mu^+\nu_\mu\pi^0\pi^0\pi^+\pi^+\pi^+\pi^-\pi^-\pi^- K_S \bar{K}^* K^+ K^-$	94	1	96
96	$e^+e^- \rightarrow e^+e^- \nu_e\bar{\nu}_e\pi^+\pi^- D^0 \bar{D}^0$	95	1	97
97	$e^+e^- \rightarrow \pi^0\pi^+\pi^+\pi^+\pi^-\pi^- K^0 \bar{D}^0 \bar{D}^0 n\bar{p}\gamma\gamma$	96	1	98
98	$e^+e^- \rightarrow e^-\bar{\nu}_e\pi^0\pi^+\pi^+\pi^-\eta' \bar{D}^* D_s^+ \bar{K}_1^{*0} \gamma$	97	1	99
99	$e^+e^- \rightarrow \pi^0\pi^0\pi^0 K_L\pi^+\pi^-\pi^- K^0 \bar{K}^0 \bar{K}^0 K^* D^+$	98	1	100
100	$e^+e^- \rightarrow \pi^0\pi^+\pi^+\pi^+\pi^+\pi^-\pi^- K^0 K^- K^- \bar{D}^0 \gamma\gamma\gamma\gamma$	99	1	101
101	$e^+e^- \rightarrow e^+\nu_e\pi^0\pi^0\pi^0\pi^0\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^- K_S \bar{K}^0 \gamma\gamma$	100	1	102
102	$e^+e^- \rightarrow e^-\bar{\nu}_e\pi^0\pi^0\pi^0\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^- \eta K_S K^+ \gamma\gamma\gamma\gamma$	101	1	103
103	$e^+e^- \rightarrow \pi^0\pi^0\pi^0\pi^0\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^- K^+ D^0 \gamma\gamma\gamma\gamma\gamma\gamma$	102	1	104
104	$e^+e^- \rightarrow \mu^+\nu_\mu\pi^0\pi^0\pi^+\pi^+\pi^-\pi^-\pi^- K_S K^- D_s^+ \gamma$	103	1	105
105	$e^+e^- \rightarrow e^-\bar{\nu}_e\pi^0\pi^0\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^- K^* \eta' D^0 \gamma\gamma$	104	1	106
106	$e^+e^- \rightarrow e^-\bar{\nu}_e\pi^0\pi^0\pi^+\pi^- K^+ K^- D^+ \bar{D}^0$	105	1	107
107	$e^+e^- \rightarrow e^+e^- \pi^+\pi^+\pi^-\pi^- K_S D^0 \gamma\gamma$	106	1	108
108	$e^+e^- \rightarrow \pi^0\pi^0\pi^0\pi^0\pi^0\pi^0\pi^+\pi^+\pi^+\pi^-\pi^-\pi^- D^+ \bar{D}^0 \gamma\gamma\gamma\gamma\gamma$	107	1	109
109	$e^+e^- \rightarrow \pi^0\pi^0\pi^+\pi^+\pi^+\pi^-\pi^-\pi^- K_S \bar{D}^0 \gamma\gamma$	108	1	110
110	$e^+e^- \rightarrow \pi^0 K_L \pi^+\pi^+\pi^-\pi^-\pi^- D^0 \Lambda\Lambda_c^+$	109	1	111
111	$e^+e^- \rightarrow \pi^0\pi^0\rho^0\pi^+\pi^+\pi^-\pi^- D^+ D_s^- \bar{p}\Sigma^+$	110	1	112
112	$e^+e^- \rightarrow e^+\nu_e\pi^0\pi^+\pi^-\pi^- D^0 \bar{D}^0$	111	1	113
113	$e^+e^- \rightarrow e^+\nu_e\pi^0\pi^-\pi^-\pi^- K^+ D_s^+ n\bar{n}\gamma$	112	1	114
114	$e^+e^- \rightarrow \pi^0\pi^0\pi^+\pi^+\pi^+\pi^- K^- D^- D^0 \bar{D}^0 \gamma\gamma$	113	1	115
115	$e^+e^- \rightarrow e^-\bar{\nu}_e\pi^0\pi^+\pi^- D^0 \bar{D}^0 D_s^{*+}$	114	1	116
116	$e^+e^- \rightarrow \mu^-\bar{\nu}_\mu\pi^0\pi^+ D^{*+} D^0 D_s^- \gamma$	115	1	117
117	$e^+e^- \rightarrow \pi^0 K_L \pi^+\pi^+\pi^+\pi^-\pi^-\pi^- K^* K^+ D^0 D_s^- \gamma\gamma\gamma$	116	1	118
118	$e^+e^- \rightarrow \pi^0\pi^0\pi^0\pi^0\pi^0\pi^0\pi^+\pi^-\pi^- K_S K^+ D^0 \bar{D}^0 \gamma$	117	1	119
119	$e^+e^- \rightarrow e^-\bar{\nu}_e\pi^0\pi^0\rho^0\pi^+\pi^+\pi^+\pi^-\pi^-\pi^- K^+ K^+ \gamma\gamma\gamma\gamma\gamma$	118	1	120
120	$e^+e^- \rightarrow \mu^-\bar{\nu}_\mu\pi^0\pi^+\pi^- K_S D^+ D^0 \bar{D}^0$	119	1	121

index	event initial-final states	iEvtIFSts	nEvts	nCmltEvts
161	$e^+e^- \rightarrow K_L \pi^+ \pi^+ \pi^- \pi^- K^* K^+ D^0 a_1^-$	160	1	162
162	$e^+e^- \rightarrow \mu^+ \mu^- \nu_\mu \bar{\nu}_\mu \pi^+ \pi^+ \pi^- \pi^- \eta K^* D^0 \gamma \gamma \gamma$	161	1	163
163	$e^+e^- \rightarrow \mu^- \bar{\nu}_\mu \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- \eta' D^+ D^0$	162	1	164
164	$e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^- K^* K^+ D_s^{*-} \Lambda \Sigma^0 \gamma \gamma \gamma$	163	1	165
165	$e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- D^0 \bar{D}^0 \gamma \gamma$	164	1	166
166	$e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^0 \pi^+ \pi^+ \pi^- K^- D^- n \bar{n}$	165	1	167
167	$e^+e^- \rightarrow \nu_\tau \bar{\nu}_\tau \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- D^0 p \Lambda_c^-$	166	1	168
168	$e^+e^- \rightarrow K_L \pi^+ \pi^- K^0 K^* K^+ D^0 \bar{D}^0 \gamma \gamma \gamma$	167	1	169
169	$e^+e^- \rightarrow \pi^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- K^0 K^- D^0 \bar{D}^0 a_1^+ \gamma \gamma$	168	1	170
170	$e^+e^- \rightarrow \mu^+ \mu^- \nu_\mu \bar{\nu}_\mu \pi^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^0 K^+ K^+ D_s^- \gamma$	169	1	171
171	$e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 K_L \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \rho^+ K_S n \bar{n} \gamma \gamma \gamma$	170	1	172
172	$e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- \pi^- D^+ D^0$	171	1	173
173	$e^+e^- \rightarrow \pi^0 \pi^+ \pi^+ \pi^- K_S K^- K^* \bar{D}^0 D_s^{*+} \gamma \gamma$	172	1	174
174	$e^+e^- \rightarrow \mu^- \bar{\nu}_\mu \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^0 K^+ D^0 \bar{D}^0$	173	1	175
175	$e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 K_L K_L \pi^+ \pi^+ \pi^+ \pi^- \pi^- K^* K^- K^- D^0 \gamma \gamma \gamma \gamma$	174	1	176
176	$e^+e^- \rightarrow \nu_\tau \bar{\nu}_\tau \pi^0 \pi^0 \pi^+ \pi^- \pi^- D^0 \bar{n} \Lambda_c^+ \gamma \gamma$	175	1	177
177	$e^+e^- \rightarrow e^- \bar{\nu}_e \pi^0 \pi^0 \pi^0 K_L K_L \pi^+ \pi^- K^- D^+ \bar{n} p$	176	1	178
178	$e^+e^- \rightarrow \pi^0 K_L \pi^+ K^- \bar{D}^0 \bar{n} p a_1^- \gamma \gamma \gamma \gamma \gamma \gamma \gamma$	177	1	179
179	$e^+e^- \rightarrow \mu^- \bar{\nu}_\mu \pi^0 \pi^+ \pi^+ \pi^- K^- D^+ n \bar{n}$	178	1	180
180	$e^+e^- \rightarrow e^+ \nu_e \mu^+ \nu_\mu \pi^0 \pi^+ K^{*-} D^- D_s^- \gamma \gamma \gamma$	179	1	181
181	$e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^+ \pi^+ \rho^- K^- \bar{p} \Xi_c^0 \gamma$	180	1	182
182	$e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^- \bar{D}^0 \gamma \gamma$	181	1	183
183	$e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^0 \pi^+ \pi^- D^+ D^0 D_s^{*-}$	182	1	184
184	$e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- \bar{D}^{*-} D^0 \gamma \gamma$	183	1	185
185	$e^+e^- \rightarrow e^- \bar{\nu}_e \mu^+ \nu_\mu \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- K^0 \bar{D}^0 n \bar{n} \gamma \gamma$	184	1	186
186	$e^+e^- \rightarrow e^+ \nu_e \pi^0 \pi^0 \pi^0 K_L \pi^+ \pi^- \pi^- K^0 K^+ D^-$	185	1	187
187	$e^+e^- \rightarrow \mu^- \bar{\nu}_\mu \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^- \pi^- K^+ D^0 a_1^-$	186	1	188
188	$e^+e^- \rightarrow e^- \bar{\nu}_e \pi^0 \pi^+ \pi^- D^0 D^{*0} D_s^{*+}$	187	1	189
189	$e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^0 \pi^0 \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^- K^- \bar{D}^0 \gamma \gamma$	188	1	190
190	$e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \bar{K}^0 D^0 p \Lambda_c^-$	189	1	191
191	$e^+e^- \rightarrow e^+ e^- \nu_e \bar{\nu}_e \pi^0 \pi^+ \pi^+ \pi^- \pi^- K^0 D^0$	190	1	192
192	$e^+e^- \rightarrow \pi^0 K_L \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- K_S K^- \bar{D}^0 a_1^+$	191	1	193
193	$e^+e^- \rightarrow e^+ \nu_e \pi^0 \pi^+ \pi^- \pi^- K^0 K^* K^+ K^- D^0$	192	1	194
194	$e^+e^- \rightarrow e^+ \nu_e \pi^0 \pi^+ \pi^- \eta \eta K^0 \bar{K}^0 D_s^- \gamma \gamma \gamma$	193	1	195
195	$e^+e^- \rightarrow e^- \bar{\nu}_e \pi^0 \pi^0 \pi^+ \pi^- K^0 K_2^{*0} \bar{D}^0 n \bar{n} \bar{K}_1^0$	194	1	196
196	$e^+e^- \rightarrow \pi^0 \pi^0 \pi^0 \pi^- D^0 \bar{D}^0 D_s^+ n \bar{n} \gamma \gamma \gamma \gamma$	195	1	197
197	$e^+e^- \rightarrow \pi^0 K_L \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \eta \bar{D}^0 n \bar{n}$	196	1	198
198	$e^+e^- \rightarrow \mu^+ \nu_\mu \pi^0 \pi^0 \pi^0 \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- D^- D^-$	197	1	199
199	$e^+e^- \rightarrow e^- \bar{\nu}_e \mu^- \bar{\nu}_\mu \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- K_S K_1^0$	198	1	200