Topology Analysis \* (v1.5)

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November 26, 2018

<sup>\*</sup>This package is implemented with reference to a program called Topo, which is developed by Prof. Shuxian Du from Zhengzhou University in China and has been widely used by people in BESIII collaboration. Several years ago, when I was a PhD student working on BESIII experiment, I learned the idea of topology analysis and a lot of programming techniques from the Topo program. So, I really appreciate Prof. Du's original work very much. To meet my own needs and to practice developing analysis tools with C++, ROOT and LaTex, I wrote the package from scratch. At that time, the package functioned well but was relatively simple. At the end of last year (2017), my co-supervisor, Prof. Chengping Shen reminded me that it could be a useful tool for Belle II experiment as well. So, I revised and extended it, making it more well-rounded and suitable for Belle II experiment. Here, I would like to thank Prof. Du for his original work, Prof. Shen for his suggestion and encouragement, and Wencheng Yan, Sen Jia, Yubo Li, Suxian Li, Longke Li, Guanda Gong, Junhao Yin, Xiaoping Qin, Xiqing Hao, HongPeng Wang, JiaWei Zhang 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	nCcEvts	nTotEvts	nCmltEvts
1	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\pi^{0}\rho^{0}\pi^{+}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{+}D^{0}D_{s}^{*-}, \rho^{0} \to \pi^{+}\pi^{-},$ $\bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{0} \to \rho^{+}K^{*-}, D_{s}^{*-} \to D_{s}^{-}\gamma, \bar{D}^{0} \to \eta\eta', \rho^{+} \to \pi^{0}\pi^{+},$ $K^{*-} \to \pi^{-}\bar{K}^{0}, D_{s}^{-} \to e^{-}\bar{\nu}_{e}\phi, \eta \to \pi^{0}\pi^{0}\pi^{0}, \eta' \to \pi^{0}\pi^{0}\eta, \bar{K}^{0} \to K_{S},$ $\phi \to K^{+}K^{-}, \eta \to \gamma\gamma, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma$	0	0	1	0	1	1
2	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{-}K^{*+}J/\psi, \bar{B}^{0} \to \pi^{0}\pi^{-}D^{*+}, K^{*+} \to \pi^{+}K^{0},$ $J/\psi \to \pi^{+}K^{0}K^{*-}, \pi^{0} \to e^{+}e^{-}, D^{*+} \to \pi^{+}D^{0}, K^{0} \to K_{S}, K^{0} \to K_{S},$ $K^{*-} \to \pi^{-}\bar{K}^{0}, D^{0} \to \pi^{+}\pi^{-}\bar{K}^{*}, K_{S} \to \pi^{0}\pi^{0}, K_{S} \to \pi^{+}\pi^{-}, \bar{K}^{0} \to K_{S},$ $\bar{K}^{*} \to \pi^{+}K^{-}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}e^{-}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma)$	1	1	1	0	1	2
3	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to K^{*+}\bar{D}^{*-}D^{*0}, \bar{B}^{0} \to \pi^{0}\rho^{0}\rho^{-}\eta D^{+}, K^{*+} \to \pi^{+}K^{0},$ $\bar{D}^{*-} \to \pi^{0}D^{-}, D^{*0} \to \pi^{0}D^{0}, \rho^{0} \to \pi^{+}\pi^{-}, \rho^{-} \to \pi^{0}\pi^{-}, \eta \to \gamma\gamma,$ $D^{+} \to e^{+}\nu_{e}\bar{K}^{0}, K^{0} \to K_{L}, D^{-} \to K_{L}\pi^{-}\pi^{-}K^{+}, D^{0} \to \pi^{0}\eta K_{S}, \bar{K}^{0} \to K_{S},$ $\eta \to \pi^{0}\pi^{+}\pi^{-}, K_{S} \to \pi^{+}\pi^{-}, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to e^{+}\nu_{e}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	2	2	1	0	1	3
4	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \bar{D}^{*-}a_{1}^{+}, \bar{B}^{0} \to \pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}D^{*+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$ $a_{1}^{+} \to \pi^{0}\rho^{+}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{0} \to \pi^{-}K^{+}\eta', \rho^{+} \to \pi^{0}\pi^{+}, D^{0} \to e^{+}\nu_{e}\pi^{-},$ $\eta' \to \pi^{+}\pi^{-}\eta, \pi^{0} \to e^{+}e^{-}, \eta \to \gamma\gamma$ $(e^{+}e^{-} \to e^{+}e^{+}e^{-}\nu_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma)$	3	3	1	0	1	4
5	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}B^{0}, B^{0} \to D^{-}D'_{s1}^{+}, B^{0} \to \pi^{0}\rho^{+}\omega\bar{D}^{*-}, D^{-} \to \pi^{0}\pi^{-},$ $D'_{s1}^{+} \to \pi^{0}D_{s}^{*+}, \rho^{+} \to \pi^{0}\pi^{+}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D_{s}^{*+} \to D_{s}^{+}\gamma,$ $\bar{D}^{0} \to K_{L}\omega, D_{s}^{+} \to e^{+}\nu_{e}\phi, \omega \to \pi^{0}\gamma, \phi \to K^{+}K^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	4	4	1	0	1	5
6	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to e^{+}\nu_{e}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{+}\pi^{-}D^{+}D_{s}^{-}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$ $D^{+} \to e^{+}\nu_{e}\pi^{+}K^{-}, D_{s}^{-} \to \pi^{0}\pi^{-}\omega, \bar{D}^{0} \to \omega K_{S}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-},$ $K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}e^{+}\nu_{e}\nu_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$ $e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\pi^{0}\pi^{+}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{0}K^{*}K^{-}D^{+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$	5	5	1	0	1	6
7	$K^* \to \pi^- K^+, D^+ \to \pi^0 \pi^+ \eta', \bar{D}^0 \to \mu^- \bar{\nu}_\mu K^+, \eta' \to \pi^+ \pi^- \eta, \eta \to \pi^0 \pi^0 \pi^0$ $(e^+ e^- \to \mu^- \bar{\nu}_\mu \pi^+ \pi^+ \pi^- \pi^- \pi^- K^+ K^+ K^- \gamma \gamma)$	6	6	1	0	1	7
8	$e^{+}e^{-} \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^{0}B^{0}, B^{0} \rightarrow \tau^{+}\nu_{\tau}\bar{D}^{*-}, B^{0} \rightarrow \pi^{0}\pi^{+}\eta\eta D^{-}, \tau^{+} \rightarrow e^{+}\nu_{e}\bar{\nu}_{\tau},$ $\bar{D}^{*-} \rightarrow \pi^{-}\bar{D}^{0}, \eta \rightarrow \gamma\gamma, \eta \rightarrow \gamma\gamma, D^{-} \rightarrow \pi^{0}\pi^{-}K^{*}, \bar{D}^{0} \rightarrow \pi^{0}\pi^{+}\pi^{-}K^{*},$ $K^{*} \rightarrow \pi^{0}K^{0}, K^{*} \rightarrow \pi^{0}K^{0}, K^{0} \rightarrow K_{S}, K^{0} \rightarrow K_{L}, K_{S} \rightarrow \pi^{+}\pi^{-}$ $(e^{+}e^{-} \rightarrow e^{+}\nu_{e}\nu_{\tau}\bar{\nu}_{\tau}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	7	7	1	0	1	8

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
9	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\pi^{+}\pi^{+}\pi^{-}\bar{D}^{*-}, \bar{B}^{0} \to \mu^{-}\bar{\nu}_{\mu}D^{*+}, \bar{D}^{*-} \to \pi^{0}D^{-},$ $D^{*+} \to \pi^{+}D^{0}, D^{-} \to \pi^{-}\omega K^{0}, D^{0} \to K_{L}\omega, \omega \to \pi^{0}\pi^{+}\pi^{-}, K^{0} \to K_{S},$ $\omega \to \pi^{0}\pi^{+}\pi^{-}, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	8	8	1	0	1	9
10	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to K^{0}D^{-}D^{*+}, \bar{B}^{0} \to D^{*+}D_{s}^{*-}, \bar{K}^{0} \to K_{S},$ $D^{-} \to \pi^{-}\pi^{-}K^{+}, D^{*+} \to \pi^{0}D^{+}, D^{*+} \to \pi^{0}D^{+}, D_{s}^{*-} \to D_{s}^{-}\gamma, K_{S} \to \pi^{+}\pi^{-},$ $D^{+} \to \mu^{+}\nu_{\mu}\bar{K}^{0}, D^{+} \to \pi^{+}\eta', D_{s}^{-} \to K^{*}K^{*-}, \bar{K}^{0} \to K_{L}, \eta' \to \rho^{0}\gamma,$ $K^{*} \to \pi^{-}K^{+}, K^{*-} \to \pi^{0}K^{-}, \rho^{0} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	9	9	1	0	1	10
11	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \mu^{+}\nu_{\mu}\bar{D}^{*-}, \bar{B}^{0} \to \rho^{0}K^{0}K^{*-}D^{+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$ $\rho^{0} \to \pi^{+}\pi^{-}, K^{0} \to K_{L}, K^{*-} \to \pi^{0}K^{-}, D^{+} \to \mu^{+}\nu_{\mu}\bar{K}^{0}, \bar{D}^{0} \to \rho^{-}K^{*+},$ $\bar{K}^{0} \to K_{L}, \rho^{-} \to \pi^{0}\pi^{-}, K^{*+} \to \pi^{0}K^{+}$ $(e^{+}e^{-} \to \mu^{+}\mu^{+}\nu_{\mu}\nu_{\mu}K_{L}K_{L}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	10	10	1	0	1	11
12	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{-}K^{+}J/\psi, \bar{B}^{0} \to D^{+}D_{s}^{*-}, \rho^{-} \to \pi^{0}\pi^{-},$ $J/\psi \to e^{+}e^{-}, D^{+} \to \pi^{0}\pi^{+}K_{S}, D_{s}^{*-} \to D_{s}^{-}\gamma, K_{S} \to \pi^{0}\pi^{0}, D_{s}^{-} \to \tau^{-}\bar{\nu}_{\tau},$ $\tau^{-} \to \mu^{-}\bar{\nu}_{\mu}\nu_{\tau}$ $(e^{+}e^{-} \to e^{+}e^{-}\mu^{-}\bar{\nu}_{\mu}\nu_{\tau}\bar{\nu}_{\tau}\pi^{+}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	11	11	1	0	1	12
13	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{+}\pi^{-}K^{0}D^{0}\bar{D}^{0}, \bar{B}^{0} \to \pi^{0}\pi^{+}\rho^{-}\rho^{-}D^{+}, K^{0} \to K_{L},$ $D^{0} \to K_{S}\eta', \bar{D}^{0} \to \rho^{-}K^{*+}, \rho^{-} \to \pi^{0}\pi^{-}, \rho^{-} \to \pi^{0}\pi^{-}, D^{+} \to \mu^{+}\nu_{\mu}\bar{K}^{0},$ $K_{L} \to \pi^{0}\pi^{0}\pi^{0}, K_{S} \to \pi^{+}\pi^{-}, \eta' \to \pi^{+}\pi^{-}\eta, \rho^{-} \to \pi^{0}\pi^{-}, K^{*+} \to \pi^{0}K^{+},$ $\bar{K}^{0} \to K_{L}, \eta \to \pi^{0}\pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma$	12	12	1	0	1	13
14	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{+}\eta\bar{D}^{*-}, \bar{B}^{0} \to K^{0}K^{*-}D^{*+}, \eta \to \pi^{0}\pi^{0}\pi^{0},$ $\bar{D}^{*-} \to \pi^{0}D^{-}, K^{0} \to K_{S}, K^{*-} \to \pi^{0}K^{-}, D^{*+} \to \pi^{+}D^{0}, D^{-} \to \mu^{-}\bar{\nu}_{\mu}K^{0},$ $K_{S} \to \pi^{+}\pi^{-}, D^{0} \to \pi^{0}\rho^{0}, K^{0} \to K_{L}, \rho^{0} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	13	13	1	0	1	14
15	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{+}D^{-}, \bar{B}^{0} \to \pi^{-}K^{+}K^{-}D^{*+}, \rho^{+} \to \pi^{0}\pi^{+},$ $D^{-} \to K_{S}a_{1}^{-}, D^{*+} \to \pi^{+}D^{0}, K_{S} \to \pi^{0}\pi^{0}, a_{1}^{-} \to \pi^{0}\rho^{-}, D^{0} \to \pi^{0}\pi^{+}K^{-},$ $\rho^{-} \to \pi^{0}\pi^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	14	14	1	0	1	15
16	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\pi^{0}\pi^{+}\eta\bar{D}^{*-}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D^{*+}, \eta \to \pi^{0}\pi^{0}\pi^{0},$ $\bar{D}^{*-} \to \pi^{0}D^{-}, D^{*+} \to \pi^{0}D^{+}, D^{-} \to \pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}, D^{+} \to \mu^{+}\nu_{\mu}\bar{K}^{*}, \bar{K}^{*} \to \pi^{+}K^{-}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	15	15	1	0	1	16
17	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to e^{+}\nu_{e}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{0}\pi^{+}K^{*-}D^{0}\bar{D}^{*0}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$ $K^{*-} \to \pi^{-}\bar{K}^{0}, D^{0} \to K_{L}\pi^{+}\pi^{-}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, \bar{D}^{0} \to \mu^{-}\bar{\nu}_{\mu}K^{+}, \bar{K}^{0} \to K_{S},$ $\bar{D}^{0} \to \pi^{+}\pi^{-}K_{S}K_{S}, K_{S} \to \pi^{+}\pi^{-}, K_{S} \to \pi^{0}\pi^{0}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}\mu^{-}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	16	16	1	0	1	17

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
18	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to K^{*}D^{-}D^{*+}, \bar{B}^{0} \to \pi^{0}\eta\bar{K}^{0}K^{-}D^{+}_{s}, K^{*} \to \pi^{0}K^{0},$ $D^{-} \to \pi^{-}\pi^{-}K^{+}, D^{*+} \to \pi^{+}D^{0}, \eta \to \gamma\gamma, \bar{K}^{0} \to K_{L}, D^{+}_{s} \to \mu^{+}\nu_{\mu}\phi,$ $K^{0} \to K_{S}, D^{0} \to \pi^{0}\pi^{+}K^{*-}, \phi \to K^{+}K^{-}, K_{S} \to \pi^{0}\pi^{0}, K^{*-} \to \pi^{-}\bar{K}^{0},$ $\bar{K}^{0} \to K_{L}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	17	17	1	0	1	18
19	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \bar{D}^{*-}D_{s}^{*+}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D^{*+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$ $D_{s}^{*+} \to D_{s}^{+}\gamma, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S}, D_{s}^{+} \to \rho^{+}\eta, D^{0} \to \pi^{+}\eta K^{-},$ $K_{S} \to \pi^{+}\pi^{-}, \rho^{+} \to \pi^{0}\pi^{+}, \eta \to \pi^{0}\pi^{0}\pi^{0}, \eta \to \pi^{0}\pi^{0}\pi^{0}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	18	18	1	0	1	19
20	$e^{+}e^{-} \to \Upsilon(4\bar{S}), \Upsilon(4S) \to B^{0}B^{0}, B^{0} \to \mu^{+}\nu_{\mu}D_{2}^{-}, B^{0} \to \pi^{0}\pi^{+}\pi^{+}\pi^{-}\rho^{-}\bar{D}^{*0}, D_{2}^{*-} \to \pi^{-}\bar{D}^{*0}, \\ \rho^{-} \to \pi^{0}\pi^{-}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, \bar{D}^{0} \to K^{+}a_{1}^{-}, \bar{D}^{0} \to \pi^{0}K_{L}\pi^{+}\pi^{-}, \\ a_{1}^{-} \to \rho^{0}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-} \\ (e^{+}e^{-} \to \mu^{+}\nu_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	19	19	1	0	1	20
21	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to \mu^{-}\bar{\nu}_{\mu}D^{*+}, \bar{B}^{0} \to \pi^{0}\bar{K}^{*}K^{+}K^{-}, D^{*+} \to \pi^{+}D^{0},$ $\bar{K}^{*} \to \pi^{0}\bar{K}^{0}, D^{0} \to \pi^{0}K_{L}, \bar{K}^{0} \to K_{L}$ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}K_{L}K_{L}\pi^{+}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	20	20	1	0	1	21
22	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{+}\pi^{+}\omega K^{0}K^{*-}\bar{D}^{*-}, B^{0} \to e^{-}\bar{\nu}_{e}D^{*+}, \omega \to \pi^{0}\pi^{+}\pi^{-},$ $K^{0} \to K_{S}, K^{*-} \to \pi^{0}K^{-}, \bar{D}^{*-} \to \pi^{0}D^{-}, D^{*+} \to \pi^{0}D^{+}, K_{S} \to \pi^{+}\pi^{-},$ $D^{-} \to \pi^{-}\pi^{-}K^{+}, D^{+} \to K_{L}a_{1}^{+}, K_{L} \to \mu^{+}\nu_{\mu}\pi^{-}, a_{1}^{+} \to \pi^{+}f_{0}(600)$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}f_{0}(600)\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	21	21	1	0	1	22
23	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \bar{D}^{*-}D_{s}^{*+}, \bar{B}^{0} \to \pi^{0}\pi^{0}\rho^{-}\eta\omega D^{*+}, \bar{D}^{*-} \to \pi^{0}D^{-},$ $D_{s}^{*+} \to D_{s}^{+}\gamma, \rho^{-} \to \pi^{0}\pi^{-}, \eta \to \pi^{0}\pi^{0}\pi^{0}, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{*+} \to \pi^{+}D^{0},$ $D^{-} \to \pi^{-}K_{S}, D_{s}^{+} \to \rho^{+}\eta', D^{0} \to K^{-}a_{1}^{+}, K_{S} \to \pi^{0}\pi^{0}, \rho^{+} \to \pi^{0}\pi^{+},$ $\eta' \to \rho^{0}\gamma, a_{1}^{+} \to \pi^{+}\pi^{+}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma$	22	22	1	0	1	23
24	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}B^{0}, B^{0} \to K^{*}D^{+}\bar{D}^{*-}, B^{0} \to \pi^{+}\pi^{-}\rho^{-}\omega K^{*+}, K^{*} \to \pi^{-}K^{+},$ $D^{+} \to \pi^{0}K_{L}\pi^{+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, \rho^{-} \to \pi^{0}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, K^{*+} \to \pi^{0}K^{+},$ $\bar{D}^{0} \to K^{+}a_{1}^{-}, a_{1}^{-} \to \rho^{0}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	23	23	1	0	1	24
25	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\rho^{0}\pi^{-}\rho^{+}\rho^{+}\eta D^{-}, \bar{B}^{0} \to \pi^{+}\bar{K}^{*}\bar{D}^{*-}D^{0}, \rho^{0} \to \pi^{+}\pi^{-},$ $\rho^{+} \to \pi^{0}\pi^{+}, \rho^{+} \to \pi^{0}\pi^{+}, \eta \to \pi^{0}\pi^{+}\pi^{-}, D^{-} \to \pi^{-}\pi^{-}K^{+}, \bar{K}^{*} \to \pi^{+}K^{-},$ $\bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{0} \to e^{+}\nu_{e}\pi^{0}K^{-}, \pi^{0} \to e^{+}e^{-}, \bar{D}^{0} \to \mu^{-}\bar{\nu}_{\mu}K^{*+}, K^{*+} \to \pi^{+}K^{0},$ $K^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}e^{+}e^{-}\nu_{e}\mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	24	24	1	0	1	25
26	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to K^{0}\bar{D}^{0}D^{*0}, \bar{B}^{0} \to \pi^{0}\pi^{-}\omega D^{+}, K^{0} \to K_{L},$ $\bar{D}^{0} \to K^{+}a_{1}^{-}, D^{*0} \to D^{0}\gamma, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{+} \to \pi^{+}K^{0}\bar{K}^{*}, a_{1}^{-} \to \rho^{0}\pi^{-},$ $D^{0} \to e^{+}\nu_{e}K^{*-}, K^{0} \to K_{L}, \bar{K}^{*} \to \pi^{+}K^{-}, \rho^{0} \to \pi^{+}\pi^{-}, K^{*-} \to \pi^{0}K^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	25	25	1	0	1	26

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
27	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}B^{0}, B^{0} \to e^{+}\nu_{e}\bar{D}^{*-}, B^{0} \to \mu^{+}\nu_{\mu}D^{-}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$ $D^{-} \to \pi^{0}\pi^{-}K^{*}, \bar{D}^{0} \to \pi^{-}K^{+}, K^{*} \to \pi^{-}K^{+}$ $(e^{+}e^{-} \to e^{+}\nu_{e}\mu^{+}\nu_{\mu}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}\gamma\gamma)$	26	26	1	0	1	27
28	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \mu^{+}\nu_{\mu}\bar{D}^{*-}, \bar{B}^{0} \to \mu^{-}\bar{\nu}_{\mu}D_{1}^{+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$ $D_{1}^{+} \to \pi^{+}\pi^{-}D^{+}, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, D^{+} \to \pi^{0}\pi^{+}\pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \mu^{+}\mu^{-}\nu_{\mu}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma)$	27	27	1	0	1	28
29	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \tau^{+}\nu_{\tau}\bar{D}^{*-}, \bar{B}^{0} \to \rho^{-}D^{+}, \tau^{+} \to \bar{\nu}_{\tau}\pi^{0}\pi^{+},$ $\bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, \rho^{-} \to \pi^{0}\pi^{-}, D^{+} \to e^{+}\nu_{e}\bar{K}^{0}, \bar{D}^{0} \to \pi^{-}\omega K^{+}, \bar{K}^{0} \to K_{L},$ $\omega \to \pi^{0}\pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}\nu_{\tau}\bar{\nu}_{\tau}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma)$	28	28	1	0	1	29
30	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to \pi^{+}\pi^{-}\rho^{-}D^{+}, \bar{B}^{0} \to \pi^{+}\rho^{-}\rho^{-}D^{+}, \rho^{-} \to \pi^{0}\pi^{-}, D^{+} \to \pi^{0}K_{L}\pi^{+}, \rho^{-} \to \pi^{0}\pi^{-}, \rho^{-} \to \pi^{0}\pi^{-}, D^{+} \to K_{L}a_{1}^{+}, a_{1}^{+} \to \rho^{0}\pi^{+}, \rho^{0} \to \pi^{+}\pi^{-} $ $(e^{+}e^{-} \to K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	29	29	1	0	1	30
31	$\frac{(e^{+}e^{-} \to K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)}{e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \mu^{+}\nu_{\mu}D_{1}^{-}, \bar{B}^{0} \to \bar{K}_{1}^{0}\gamma, D_{1}^{-} \to \pi^{+}\pi^{-}D^{-},} \\ \bar{K}_{1}^{0} \to \pi^{+}\pi^{-}\bar{K}^{0}, D^{-} \to \mu^{-}\bar{\nu}_{\mu}K^{0}, \bar{K}^{0} \to K_{S}, K^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-},} \\ K_{S} \to \pi^{0}\pi^{0} \\ (e^{+}e^{-} \to \mu^{+}\mu^{-}\nu_{\mu}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma)$	30	30	1	0	1	31
32	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{-}K^{+}D^{*+}\bar{D}^{*-}, \bar{B}^{0} \to \rho^{0}\rho^{-}\eta\omega D^{+}, D^{*+} \to \pi^{+}D^{0},$ $\bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, \rho^{0} \to \pi^{+}\pi^{-}, \rho^{-} \to \pi^{0}\pi^{-}, \eta \to \pi^{0}\pi^{+}\pi^{-}, \omega \to \pi^{+}\pi^{-},$ $D^{+} \to e^{+}\nu_{e}\pi^{+}K^{-}, D^{0} \to K_{L}\pi^{+}\pi^{-}, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, \pi^{0} \to e^{+}e^{-}, K_{L} \to \pi^{0}\pi^{0}\pi^{0}$ $(e^{+}e^{-} \to e^{+}e^{+}e^{-}\nu_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	31	31	1	0	1	32
33	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to D^{-}D_{s}^{+}, \bar{B}^{0} \to \pi^{0}\pi^{0}\rho^{0}\pi^{+}\pi^{-}\pi^{-}D^{+}, D^{-} \to \pi^{0}\pi^{-}K_{S},$ $D_{s}^{+} \to \pi^{0}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-}, D^{+} \to \mu^{+}\nu_{\mu}\bar{K}^{0}, K_{S} \to \pi^{0}\pi^{0}, \bar{K}^{0} \to K_{S},$ $K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma$	32	32	1	0	1	33
34	$D_{0}^{*-} \to \pi^{-}D^{0}, \rho^{+} \to \pi^{0}\pi^{+}, \eta \to \pi^{0}\pi^{0}\pi^{0}, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{*-} \to \pi^{0}D^{-}, \\ \bar{D}^{0} \to \mu^{-}\bar{\nu}_{\mu}K^{+}, D^{-} \to K_{L}a_{1}^{-}, a_{1}^{-} \to \rho^{0}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-} \\ (e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\nu_{\tau}\bar{\nu}_{\tau}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}\gamma$	33	33	1	0	1	34
35	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \bar{D}^{*-}\bar{\Delta}^{0}\Delta^{+}, \bar{B}^{0} \to \bar{K}^{*}\chi_{c1}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$ $\bar{\Delta}^{0} \to \pi^{0}\bar{n}, \Delta^{+} \to \pi^{0}p, \bar{K}^{*} \to \pi^{+}K^{-}, \chi_{c1} \to \eta K^{+}K^{-}, \bar{D}^{0} \to \mu^{-}\bar{\nu}_{\mu}K^{*+},$ $\eta \to \gamma\gamma, K^{*+} \to \pi^{+}K^{0}, K^{0} \to K_{L}$ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{-}K^{+}K^{-}K^{-}\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma)$	34	34	1	0	1	35
36	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \bar{D}^{0}\bar{p}\Delta^{+}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D_{1}^{+}, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+},$ $\Delta^{+} \to \pi^{+}n, D_{1}^{+} \to \pi^{+}\pi^{-}D^{+}, D^{+} \to K_{L}\pi^{+}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}n\bar{p}\gamma\gamma)$	35	35	1	0	1	36

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
37	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \mu^{+}\nu_{\mu}D^{-}, \bar{B}^{0} \to \pi^{0}\pi^{-}D^{*+}, D^{-} \to K_{L}a_{1}^{-},$ $D^{*+} \to \pi^{+}D^{0}, K_{L} \to \pi^{0}\pi^{0}\pi^{0}, a_{1}^{-} \to \pi^{0}\rho^{-}, D^{0} \to \pi^{0}\pi^{0}\pi^{0}\pi^{+}\pi^{-}, \rho^{-} \to \pi^{0}\pi^{-}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	36	36	1	0	1	37
38	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to \eta D^{+}p\bar{\Delta}^{++}, \bar{B}^{0} \to \pi^{0}\pi^{+}\pi^{-}\rho^{-}D^{+}, \eta \to \gamma\gamma,$ $D^{+} \to \pi^{+}K_{S}, \bar{\Delta}^{++} \to \pi^{-}\bar{p}, \rho^{-} \to \pi^{0}\pi^{-}, D^{+} \to \pi^{0}K_{L}\pi^{+}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	37	37	1	0	1	38
39	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to \pi^{-}D^{+}, \bar{B}^{0} \to \pi^{0}\pi^{0}K^{*}K^{*-}D^{+}, D^{+} \to e^{+}\nu_{e}\bar{K}^{*}, K^{*} \to \pi^{0}K^{0}, K^{*-} \to \pi^{-}\bar{K}^{0}, D^{+} \to \mu^{+}\nu_{\mu}\pi^{0}, \bar{K}^{*} \to \pi^{+}K^{-}, K^{0} \to K_{L}, \bar{K}^{0} \to K_{S}, K_{S} \to \pi^{0}\pi^{0} $ $(e^{+}e^{-} \to e^{+}\nu_{e}\mu^{+}\nu_{\mu}K_{L}\pi^{+}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	38	38	1	0	1	39
40	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\overline{B}^{0}, B^{0} \to \rho^{0}\pi^{+}\overline{D}^{*-}, \overline{B}^{0} \to \rho^{-}D^{*+}\gamma, \rho^{0} \to \pi^{+}\pi^{-},$ $\bar{D}^{*-} \to \pi^{0}D^{-}, \rho^{-} \to \pi^{0}\pi^{-}, D^{*+} \to \pi^{+}D^{0}, D^{-} \to \rho^{-}K^{*}, D^{0} \to \rho^{0}\pi^{+}K^{-},$ $\rho^{-} \to \pi^{0}\pi^{-}, K^{*} \to \pi^{-}K^{+}, \rho^{0} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	39	39	1	0	1	40
41	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to \mu^{-}\bar{\nu}_{\mu}D^{*+}, \bar{B}^{0} \to \mu^{-}\bar{\nu}_{\mu}\pi^{0}\pi^{0}D^{*+}, D^{*+} \to \pi^{0}D^{+},$ $D^{*+} \to \pi^{+}D^{0}, D^{+} \to \pi^{+}K^{-}K^{*+}, D^{0} \to \pi^{0}\pi^{+}K^{-}, K^{*+} \to \pi^{0}K^{+}$ $(e^{+}e^{-} \to \mu^{-}\mu^{-}\bar{\nu}_{\mu}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	40	40	1	0	1	41
42	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \mu^{+}\nu_{\mu}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{-}\omega D^{*+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$ $\omega \to \pi^{0}\pi^{+}\pi^{-}, D^{*+} \to \pi^{0}D^{+}, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, D^{+} \to \pi^{+}\pi^{+}K^{-}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	41	41	1	0	1	42
43	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to \pi^{+}K^{-}\eta_{c}(2S), \bar{B}^{0} \to \pi^{0}\pi^{+}\pi^{-}D^{+}\Sigma^{-}\bar{\Sigma}^{0}, \eta_{c}(2S) \to \pi^{0}\rho^{0}\pi^{+}\pi^{-}D^{+}\Sigma^{-}\bar{\Sigma}^{0}, \eta_{c}(2S) \to \pi^{0}\rho^{0}\pi^{+}\pi^{-}D^{+}\Sigma^{$	$\pi^{-}\pi^{-}\frac{42}{\rho^{+}}\eta$	42	1	0	1	43
44	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \eta D^{-}D_{s}^{+}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D^{*+}, \eta \to \pi^{0}\pi^{0}\pi^{0},$ $D^{-} \to \rho^{-}K^{*}, D_{s}^{+} \to \pi^{+}\eta', D^{*+} \to \pi^{+}D^{0}, \rho^{-} \to \pi^{0}\pi^{-}, K^{*} \to \pi^{0}K^{0},$ $\eta' \to \pi^{0}\pi^{0}\eta, D^{0} \to \pi^{0}\pi^{+}K^{-}, K^{0} \to K_{S}, \eta \to \gamma\gamma, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	43	43	1	0	1	44
45	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \omega K^{+}\bar{D}^{*-}, \bar{B}^{0} \to D^{*+}D_{s}^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-},$ $\bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{*+} \to \pi^{0}D^{+}, D_{s}^{-} \to \pi^{-}f_{0}(980), \bar{D}^{0} \to \pi^{-}\omega K^{+}, D^{+} \to K_{S}K^{*+},$ $f_{0}(980) \to \pi^{+}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, K_{S} \to \pi^{+}\pi^{-}, K^{*+} \to \pi^{+}K^{0}, K^{0} \to K_{S},$ $K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma)$	44	44	1	0	1	45
46	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}B^{0}, B^{0} \to \eta \bar{D}^{*-}D_{s}^{+}, B^{0} \to \pi^{0}\pi^{-}\rho^{+}\bar{K}^{0}K^{+}D^{-}, \eta \to \gamma\gamma,$ $\bar{D}^{*-} \to \pi^{0}D^{-}, D_{s}^{+} \to \mu^{+}\nu_{\mu}\eta, \rho^{+} \to \pi^{0}\pi^{+}, \bar{K}^{0} \to K_{S}, D^{-} \to K_{S}K^{*-},$ $D^{-} \to \pi^{-}K^{+}, \eta \to \pi^{0}\pi^{0}\pi^{0}, K_{S} \to \pi^{0}\pi^{0}, K_{S} \to \pi^{+}\pi^{-}, K^{*-} \to \pi^{-}\bar{K}^{0},$ $\pi^{0} \to e^{+}e^{-}, \bar{K}^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}e^{-}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	45	45	1	0	1	46

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
47	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\pi^{+}\pi^{+}\pi^{-}\rho^{-}\eta\eta\bar{K}^{0}K^{+}D^{-}, \bar{B}^{0} \to \pi^{0}\rho^{0}\pi^{-}D^{*+}, \rho^{-} \to \pi^{0}\pi^{0}\pi^{0}, \bar{K}^{0} \to K_{L}, D^{-} \to \pi^{-}K_{S}, \rho^{0} \to \pi^{+}\pi^{-}, D^{*+} \to \pi^{0}D^{+}, K_{S} \to \pi^{+}\pi^{-}, D^{+} \to \pi^{0}K_{L}\pi^{+}$ $(e^{+}e^{-} \to K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	46	46	1	0	1	47
48	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{0}\rho^{+}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{+}K^{-}D^{+}D^{-}, \rho^{0} \to \pi^{+}\pi^{-},$ $\rho^{+} \to \pi^{0}\pi^{+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{+} \to \pi^{0}\pi^{+}\bar{K}^{*}, D^{-} \to \mu^{-}\bar{\nu}_{\mu}K^{0}, \bar{D}^{0} \to \mu^{-}\bar{\nu}_{\mu}K^{+},$ $\bar{K}^{*} \to \pi^{0}\bar{K}^{0}, K^{0} \to K_{S}, \bar{K}^{0} \to K_{L}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \mu^{-}\mu^{-}\bar{\nu}_{\mu}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	47	47	1	0	1	48
49	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{0}\rho^{+}D^{-}, \bar{B}^{0} \to \mu^{-}\bar{\nu}_{\mu}D^{+}, \rho^{0} \to \pi^{+}\pi^{-},$ $\rho^{+} \to \pi^{0}\pi^{+}, D^{-} \to \mu^{-}\bar{\nu}_{\mu}K^{*}, D^{+} \to e^{+}\nu_{e}\bar{K}^{*}, K^{*} \to \pi^{0}K^{0}, \bar{K}^{*} \to \pi^{0}\bar{K}^{0},$ $K^{0} \to K_{L}, \bar{K}^{0} \to K_{S}, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to e^{+}\nu_{e}\mu^{-}\mu^{-}\bar{\nu}_{\mu}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	48	48	1	0	1	49
50	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}B^{0}, B^{0} \to \pi^{+}\pi^{-}\rho^{+}\eta D^{-}, B^{0} \to \mu^{-}\bar{\nu}_{\mu}D^{*+}, \rho^{+} \to \pi^{0}\pi^{+},$ $\eta \to \pi^{0}\pi^{0}\pi^{0}, D^{-} \to K_{S}K^{-}, D^{*+} \to \pi^{+}D^{0}, \pi^{0} \to e^{+}e^{-}, K_{S} \to \pi^{+}\pi^{-},$ $D^{0} \to \pi^{0}\pi^{+}\pi^{-}\bar{K}^{*}, \bar{K}^{*} \to \pi^{0}\bar{K}^{0}, \bar{K}^{0} \to K_{L}$ $(e^{+}e^{-} \to e^{+}e^{-}\mu^{-}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	49	49	1	0	1	50
51	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}B^{0}, B^{0} \to e^{+}\nu_{e}\eta D^{-}, B^{0} \to \pi^{0}\pi^{+}\pi^{+}\pi^{-}\bar{D}^{*-}, \eta \to \pi^{+}\pi^{-},$ $D^{-} \to K_{L}a_{1}^{-}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, a_{1}^{-} \to \pi^{-}f_{0}(600), \bar{D}^{0} \to \mu^{-}\bar{\nu}_{\mu}K^{+}$ $(e^{+}e^{-} \to e^{+}\nu_{e}\mu^{-}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}f_{0}(600)\gamma\gamma)$	50	50	1	0	1	51
52	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\pi^{+}\pi^{+}\rho^{-}D^{-}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D^{+}, \rho^{-} \to \pi^{0}\pi^{-},$ $D^{-} \to \pi^{0}\pi^{+}\pi^{-}\pi^{-}K^{0}, D^{+} \to \pi^{+}\pi^{+}K^{-}, K^{0} \to K_{L}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	51	51	1	0	1	52
53	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{0}\pi^{+}\pi^{+}\pi^{-}\omega D^{-}, \bar{B}^{0} \to \rho^{+}\rho^{-}D^{*0}, \rho^{0} \to \pi^{+}\pi^{-},$ $\omega \to \pi^{0}\pi^{+}\pi^{-}, D^{-} \to \pi^{-}K_{1}^{'0}, \rho^{+} \to \pi^{0}\pi^{+}, \rho^{-} \to \pi^{0}\pi^{-}, D^{*0} \to D^{0}\gamma,$ $K_{1}^{'0} \to \pi^{-}K^{*+}, D^{0} \to e^{+}\nu_{e}K^{*-}, K^{*+} \to \pi^{0}K^{+}, K^{*-} \to \pi^{-}\bar{K}^{0}, \bar{K}^{0} \to K_{L}$ $(e^{+}e^{-} \to e^{+}\nu_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	52	52	1	0	1	53
54	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{-}\bar{D}^{0}D_{s}^{+}, \bar{B}^{0} \to D^{*+}D_{s}^{*-}, \bar{D}^{0} \to \rho^{-}K^{*+},$ $D_{s}^{+} \to \rho^{+}\eta, D^{*+} \to \pi^{+}D^{0}, D_{s}^{*-} \to D_{s}^{-}\gamma, \rho^{-} \to \pi^{0}\pi^{-}, K^{*+} \to \pi^{0}K^{+},$ $\rho^{+} \to \pi^{0}\pi^{+}, \eta \to \gamma\gamma, D^{0} \to K_{S}K^{+}K^{-}, D_{s}^{-} \to \pi^{-}\eta', K_{S} \to \pi^{0}\pi^{0},$ $\eta' \to \pi^{+}\pi^{-}\eta, \eta \to \pi^{0}\pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma$	53	53	1	0	1	54
55	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \bar{D}^{*-}a_{1}^{+}, \bar{B}^{0} \to \pi^{0}\rho^{0}\rho^{0}\rho^{-}D^{+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$ $a_{1}^{+} \to \pi^{+}K^{0}\bar{K}^{0}, \rho^{0} \to \pi^{+}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-}, \rho^{-} \to \pi^{0}\pi^{-}, D^{+} \to \pi^{0}\pi^{+}K_{S},$ $\bar{D}^{0} \to K^{+}a_{1}^{-}, K^{0} \to K_{S}, \bar{K}^{0} \to K_{S}, K_{S} \to \pi^{0}\pi^{0}, a_{1}^{-} \to \rho^{0}\pi^{-},$ $K_{S} \to \pi^{+}\pi^{-}, K_{S} \to \pi^{0}\pi^{0}, \rho^{0} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	54	54	1	0	1	55

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
56	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\Delta^{+}\bar{\Xi}_{c}^{*-}, \bar{B}^{0} \to \pi^{0}\pi^{+}D^{0}D_{s}^{*-}, \Delta^{+} \to \pi^{+}n,$ $\bar{\Xi}_{c}^{*-} \to \bar{\Xi}_{c}^{-}\gamma, D^{0} \to \mu^{+}\nu_{\mu}K^{*-}, D_{s}^{*-} \to D_{s}^{-}\gamma, \bar{\Xi}_{c}^{-} \to \pi^{0}\pi^{-}\bar{\Xi}^{0}, K^{*-} \to \pi^{-}\bar{K}^{0},$ $D_{s}^{-} \to K^{0}K^{*-}, \bar{\Xi}^{0} \to \pi^{0}\bar{\Lambda}, \bar{K}^{0} \to K_{L}, K^{0} \to K_{L}, K^{*-} \to \pi^{0}K^{-},$ $\bar{\Lambda} \to \pi^{+}\bar{p}, K_{L} \to \mu^{-}\nu_{\mu}\pi^{+}$ $(e^{+}e^{-} \to \mu^{+}\mu^{-}\nu_{\mu}\nu_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}n\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$ $e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to e^{+}\nu_{e}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{0}\bar{\Delta}^{+}\Sigma_{c}^{+}, \bar{D}^{*-} \to \pi^{0}D^{-},$	55	55	1	0	1	56
57	$\bar{\Delta}^{+} \to \pi^{-}\bar{n}, \Sigma_{c}^{+} \to \pi^{0}\Lambda_{c}^{+}, D^{-} \to \pi^{0}\pi^{-}\phi, \Lambda_{c}^{+} \to \pi^{+}\eta\Lambda, \phi \to K_{L}K_{S},$ $\eta \to \pi^{0}\pi^{+}\pi^{-}, \Lambda \to \pi^{-}p, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	56	56	1	0	1	57
58	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{0}\pi^{+}\pi^{-}\bar{D}^{*0}, \bar{B}^{0} \to \mu^{-}\bar{\nu}_{\mu}D^{*+}, \rho^{0} \to \pi^{+}\pi^{-},$ $\bar{D}^{*0} \to \bar{D}^{0}\gamma, D^{*+} \to D^{+}\gamma, \bar{D}^{0} \to \rho^{-}K^{*+}, D^{+} \to \mu^{+}\nu_{\mu}\bar{K}^{0}, \rho^{-} \to \pi^{0}\pi^{-},$ $K^{*+} \to \pi^{+}K^{0}, \bar{K}^{0} \to K_{S}, K^{0} \to K_{S}, K_{S} \to \pi^{0}\pi^{0}, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to \mu^{+}\mu^{-}\nu_{\mu}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	57	57	1	0	1	58
59	$e^{+}e^{-} \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \rightarrow D^{+}\Delta^{0}\bar{\Delta}^{+}, \bar{B}^{0} \rightarrow \pi^{0}\rho^{0}\pi^{+}\pi^{-}\eta\eta, D^{+} \rightarrow \mu^{+}\nu_{\mu}\bar{K}^{*},$ $\Delta^{0} \rightarrow \pi^{0}n, \bar{\Delta}^{+} \rightarrow \pi^{0}\bar{p}, \rho^{0} \rightarrow \pi^{+}\pi^{-}, \eta \rightarrow \gamma\gamma, \eta \rightarrow \pi^{0}\pi^{+}\pi^{-},$ $\bar{K}^{*} \rightarrow \pi^{+}K^{-}$ $(e^{+}e^{-} \rightarrow \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}n\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	58	58	1	0	1	59
60	$e^{+}e^{-} \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^{0}\bar{B}^{0}, B^{0} \rightarrow \pi^{0}\pi^{+}\pi^{+}\pi^{-}\bar{D}^{*-}, \bar{B}^{0} \rightarrow \pi^{0}\pi^{0}\rho^{0}\rho^{0}\pi^{+}\pi^{-}\pi^{-}D^{*+}, \bar{D}^{*-} \rightarrow \rho^{0} \rightarrow \pi^{+}\pi^{-}, \rho^{0} \rightarrow \pi^{+}\pi^{-}, D^{*+} \rightarrow \pi^{+}D^{0}, \bar{D}^{0} \rightarrow K^{+}a_{1}^{-}, D^{0} \rightarrow \mu^{+}\nu_{\mu}\pi^{-}, a_{1}^{-} \rightarrow \rho^{0}\pi^{-}, \rho^{0} \rightarrow \pi^{+}\pi^{-} (e^{+}e^{-} \rightarrow \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-$	$\pi^{-}\bar{D}^{0},$	59	1	0	1	60
61	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\pi^{+}\omega\bar{D}^{*-}, \bar{B}^{0} \to \pi^{-}\bar{K}^{0}D^{+}\bar{D}^{*0}, \omega \to \pi^{0}\pi^{+}\pi^{-},$ $\bar{D}^{*-} \to \pi^{0}D^{-}, \bar{K}^{0} \to K_{S}, D^{+} \to \pi^{0}\pi^{+}\bar{K}^{*}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, D^{-} \to e^{-}\bar{\nu}_{e}K^{0},$ $K_{S} \to \pi^{+}\pi^{-}, \bar{K}^{*} \to \pi^{+}K^{-}, \bar{D}^{0} \to \pi^{0}\pi^{0}\pi^{0}\pi^{+}\pi^{-}, K^{0} \to K_{S}, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	60	60	1	0	1	61
62	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to e^{+}\nu_{e}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{+}\bar{K}^{*}\bar{D}^{*-}D^{0}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, \\ \bar{K}^{*} \to \pi^{0}\bar{K}^{0}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{0} \to \rho^{+}K^{*-}, \bar{D}^{0} \to K^{+}a_{1}^{-}, \bar{K}^{0} \to K_{L}, \\ \bar{D}^{0} \to \pi^{-}K^{+}, \rho^{+} \to \pi^{0}\pi^{+}, K^{*-} \to \pi^{-}\bar{K}^{0}, a_{1}^{-} \to \pi^{-}f_{0}(600), \bar{K}^{0} \to K_{L} \\ (e^{+}e^{-} \to e^{+}\nu_{e}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}f_{0}(600)\gamma\gamma\gamma\gamma)$	61	61	1	0	1	62
63	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}B^{0}, B^{0} \to \bar{D}^{*-}a_{1}^{+}, B^{0} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}D^{-}\Delta^{+}\Delta^{+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$ $a_{1}^{+} \to \rho^{0}\pi^{+}, D^{-} \to e^{-}\bar{\nu}_{e}\pi^{-}K^{+}, \Delta^{+} \to \pi^{0}p, \bar{\Delta}^{+} \to \pi^{0}\bar{p}, \bar{D}^{0} \to \mu^{-}\bar{\nu}_{\mu}K^{*+},$ $\rho^{0} \to \pi^{+}\pi^{-}, K^{*+} \to \pi^{+}K^{0}, K^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}p\bar{p}\gamma\gamma\gamma\gamma)$	62	62	1	0	1	63
64	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\overline{B}{}^{0}, B^{0} \to \pi^{+}\pi^{-}\eta\overline{D}{}^{0}, \overline{B}{}^{0} \to \pi^{-}\pi^{-}\pi^{-}\rho^{+}\rho^{+}\omega D^{*+}, \eta \to \pi^{0}\pi^{0}\pi^{0},$ $\overline{D}{}^{0} \to \pi^{0}\pi^{-}K^{+}, \rho^{+} \to \pi^{0}\pi^{+}, \rho^{+} \to \pi^{0}\pi^{+}, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{*+} \to \pi^{+}D^{0},$ $D^{0} \to e^{+}\nu_{e}\pi^{0}K^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	63	63	1	0	1	64

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
65	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{0}\pi^{+}K^{-}K^{*+}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{0}\pi^{0}\rho^{0}\rho^{0}\pi^{-}D^{+}, \rho^{0} \to \pi^{+}\pi^{-}, K^{*+} \to \pi^{+}K^{0}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, \rho^{0} \to \pi^{+}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-}, D^{+} \to e^{+}\nu_{e}\bar{K}^{0}, K^{0} \to K_{S}, \bar{D}^{0} \to K_{L}\eta', \bar{K}^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-}, \eta' \to \pi^{+}\pi^{-}\eta, K_{S} \to \pi^{+}\pi^{-}, \eta \to \gamma\gamma$ $(e^{+}e^{-} \to e^{+}\nu_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+$	64	64	1	0	1	65
66	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to e^{+}\nu_{e}D^{-}, \bar{B}^{0} \to \pi^{0}\pi^{0}\pi^{+}\pi^{-}\pi^{-}D^{*+}p\bar{p}, D^{-} \to \pi^{+}\pi^{-}\pi^{-}K_{S},$ $D^{*+} \to \pi^{+}D^{0}, K_{S} \to \pi^{0}\pi^{0}, D^{0} \to \pi^{0}\pi^{+}\pi^{-}\bar{K}^{*}, \bar{K}^{*} \to \pi^{+}K^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	65	65	1	0	1	66
67	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \mu^{+}\nu_{\mu}D_{0}^{*-}, \bar{B}^{0} \to \tau^{-}\bar{\nu}_{\tau}D^{*+}, D_{0}^{*-} \to \pi^{-}\bar{D}^{0},$ $\tau^{-} \to \nu_{\tau}\pi^{0}\pi^{-}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{0} \to \pi^{+}\pi^{-}K^{*}, D^{0} \to \pi^{0}\pi^{0}\bar{K}^{*}, K^{*} \to \pi^{-}K^{+},$ $\bar{K}^{*} \to \pi^{+}K^{-}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}\nu_{\tau}\bar{\nu}_{\tau}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	66	66	1	0	1	67
68	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{+}\omega\omega\bar{D}^{*-}, \bar{B}^{0} \to \eta D^{+}D_{s}^{*-}, \omega \to \pi^{0}\gamma,$ $\omega \to \pi^{0}\pi^{+}\pi^{-}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, \eta \to \gamma\gamma, D^{+} \to K_{L}\pi^{+}, D_{s}^{*-} \to D_{s}^{-}\gamma,$ $\bar{D}^{0} \to \pi^{-}\eta K^{+}, D_{s}^{-} \to K^{0}K^{*-}, \eta \to \pi^{0}\pi^{0}\pi^{0}, K^{0} \to K_{L}, K^{*-} \to \pi^{0}K^{-}$ $(e^{+}e^{-} \to K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	67	67	1	0	1	68
69	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D^{+}, \bar{B}^{0} \to \rho^{0}\rho^{-}\eta D^{*+}, D^{+} \to \pi^{0}\pi^{+}K_{S},$ $\rho^{0} \to \pi^{+}\pi^{-}, \rho^{-} \to \pi^{0}\pi^{-}, \eta \to \gamma\gamma, D^{*+} \to \pi^{+}D^{0}, K_{S} \to \pi^{+}\pi^{-},$ $D^{0} \to \omega \bar{K}^{*}, \omega \to \pi^{+}\pi^{-}, \bar{K}^{*} \to \pi^{+}K^{-}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	68	68	1	0	1	69
70	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{+}D^{-}, \bar{B}^{0} \to \rho^{-}D^{*+}, \rho^{+} \to \pi^{0}\pi^{+},$ $D^{-} \to \pi^{0}\pi^{-}\phi, \rho^{-} \to \pi^{0}\pi^{-}, D^{*+} \to \pi^{+}D^{0}, \phi \to K^{+}K^{-}, D^{0} \to e^{+}\nu_{e}\pi^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	69	69	1	0	1	70
71	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{-}K^{+}D^{0}\bar{D}^{0}, \bar{B}^{0} \to K^{*-}D^{+}, D^{0} \to \rho^{+}K^{*-},$ $\bar{D}^{0} \to \rho^{0}\rho^{0}, K^{*-} \to \pi^{-}\bar{K}^{0}, D^{+} \to e^{+}\nu_{e}\bar{K}^{*}, \rho^{+} \to \pi^{0}\pi^{+}, K^{*-} \to \pi^{-}\bar{K}^{0},$ $\rho^{0} \to \pi^{+}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-}, \bar{K}^{0} \to K_{L}, \bar{K}^{*} \to \pi^{+}K^{-}, \bar{K}^{0} \to K_{L}$ $(e^{+}e^{-} \to e^{+}\nu_{e}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma)$	70	70	1	0	1	71
72	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\pi^{0}\pi^{+}\rho^{+}\rho^{-}D^{-}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D^{+}, \rho^{+} \to \pi^{0}\pi^{+},$ $\rho^{-} \to \pi^{0}\pi^{-}, D^{-} \to e^{-}\bar{\nu}_{e}\pi^{-}K^{+}, D^{+} \to \pi^{0}\pi^{+}\pi^{+}K^{-}$ $(e^{+}e^{-} \to e^{-}e^{-}\bar{\nu}_{e}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$ $e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to K^{*}n\bar{\Sigma}_{c}^{*0}, \bar{B}^{0} \to \pi^{-}D^{+}, K^{*} \to \pi^{-}K^{+},$	71	71	1	0	1	72
73	$\Sigma_{c}^{*0} \to \pi^{+} \Lambda_{c}^{-}, D^{+} \to \pi^{0} \pi^{+} K^{*}, \Lambda_{c}^{-} \to \pi^{0} \pi^{-} K^{+} \bar{p}, K^{*} \to \pi^{+} K^{-} \\ (e^{+} e^{-} \to \pi^{+} \pi^{+} \pi^{+} \pi^{-} \pi^{-} \pi^{-} K^{+} K^{+} K^{-} n \bar{p} \gamma \gamma \gamma)$	72	72	1	0	1	73
74	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to e^{+}\nu_{e}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{-}\pi^{-}D^{*+}\bar{n}\Delta^{+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$ $D^{*+} \to \pi^{+}D^{0}, \Delta^{+} \to \pi^{0}p, \bar{D}^{0} \to e^{-}\bar{\nu}_{e}\pi^{+}K^{0}, D^{0} \to K^{-}a_{1}^{+}, K^{0} \to K_{L},$ $a_{1}^{+} \to \pi^{+}f_{0}(600)$ $(e^{+}e^{-} \to e^{+}e^{-}\nu_{e}\bar{\nu}_{e}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\bar{n}pf_{0}(600)\gamma\gamma)$	73	73	1	0	1	74

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
75	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to K^{*+}\bar{D}^{*-}D^{0}, \bar{B}^{0} \to D^{*+}D_{s0}^{*-}, K^{*+} \to \pi^{+}K^{0},$ $\bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{0} \to \pi^{0}\pi^{+}K^{-}, D^{*+} \to \pi^{0}D^{+}, D_{s0}^{*-} \to \pi^{0}D_{s}^{-}, K^{0} \to K_{L},$ $\bar{D}^{0} \to \rho^{-}K^{*+}, D^{+} \to \mu^{+}\nu_{\mu}\pi^{+}K^{-}, D_{s}^{-} \to K^{*}K^{-}, \rho^{-} \to \pi^{0}\pi^{-}, K^{*+} \to \pi^{0}K^{+},$ $K^{*} \to \pi^{0}K^{0}, K^{0} \to K_{L}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}Y\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	74	74	1	0	1	75
76	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \mu^{+}\nu_{\mu}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{0}\pi^{+}\pi^{-}\rho^{+}\bar{D}^{*-}D^{*0}, \bar{D}^{*-} \to \pi^{0}D^{-},$ $\rho^{+} \to \pi^{0}\pi^{+}, \bar{D}^{*-} \to \pi^{0}D^{-}, D^{*0} \to \pi^{0}D^{0}, D^{-} \to K_{L}\pi^{-}K^{+}K^{-}, D^{-} \to \pi^{0}\pi^{-}\pi^{-}K^{+},$ $D^{0} \to \pi^{0}\pi^{+}K^{-}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	75	75	1	0	1	76
77	$(e^{+}e^{-} \to \mu^{+}\nu_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$ $e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\rho^{+}\omega\omega D^{-}, \bar{B}^{0} \to K^{-}D^{*+}\bar{D}^{*0}, \rho^{+} \to \pi^{0}\pi^{+},$ $\omega \to \pi^{+}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{-} \to \pi^{0}K_{L}\pi^{-}, D^{*+} \to \pi^{0}D^{+}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0},$ $D^{+} \to \pi^{+}\bar{K}_{1}^{'0}, \bar{D}^{0} \to \rho^{-}K^{*+}, \bar{K}_{1}^{'0} \to \pi^{+}K^{*-}, \rho^{-} \to \pi^{0}\pi^{-}, K^{*+} \to \pi^{+}K^{0},$ $K^{*-} \to \pi^{-}\bar{K}^{0}, K^{0} \to K_{L}, \bar{K}^{0} \to K_{S}, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	76	46	1	0	1	77
78	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D^{*+}, \bar{B}^{0} \to \pi^{0}\pi^{+}\pi^{-}\rho^{-}\omega\bar{K}^{0}D^{*+}, D^{*+} \to \pi^{+}D^{0},$ $\rho^{-} \to \pi^{0}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \bar{K}^{0} \to K_{S}, D^{*+} \to \pi^{+}D^{0}, D^{0} \to \pi^{0}\eta K_{S},$ $D^{0} \to \mu^{+}\nu_{\mu}K^{*-}, \eta \to \gamma\gamma, K_{S} \to \pi^{+}\pi^{-}, K^{*-} \to \pi^{-}\bar{K}^{0}, \bar{K}^{0} \to K_{S},$ $K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K_{S}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	77	76	1	0	1	78
79	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to e^{+}\nu_{e}\eta D^{-}, \bar{B}^{0} \to \rho^{0}\pi^{-}D^{*+}, \eta \to \pi^{0}\pi^{+}\pi^{-}, D^{-} \to e^{-}\bar{\nu}_{e}K_{1}^{0}, \rho^{0} \to \pi^{+}\pi^{-}, D^{*+} \to \pi^{+}D^{0}, K_{1}^{0} \to \pi^{0}\pi^{-}K^{+}, D^{0} \to e^{+}\nu_{e}K^{-} (e^{+}e^{-} \to e^{+}e^{+}e^{-}\nu_{e}\nu_{e}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma)$	78	77	1	0	1	79
80	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{0}\pi^{+}\pi^{-}\rho^{+}\eta\eta\bar{D}^{*-}, \bar{B}^{0} \to \mu^{-}\bar{\nu}_{\mu}D^{*+}, \rho^{0} \to \pi^{+}\pi^{-}, \\ \rho^{+} \to \pi^{0}\pi^{+}, \eta \to \pi^{0}\pi^{+}\pi^{-}, \eta \to \pi^{0}\pi^{+}\pi^{-}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{*+} \to \pi^{0}D^{+}, \\ \bar{D}^{0} \to \pi^{-}K^{+}, D^{+} \to e^{+}\nu_{e}\bar{K}^{*}, \bar{K}^{*} \to \pi^{+}K^{-} \\ (e^{+}e^{-} \to e^{+}\nu_{e}\mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	79	78	1	0	1	80
81	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \tau^{+}\nu_{\tau}D_{0}^{*-}, \bar{B}^{0} \to \pi^{0}\pi^{-}\omega K^{0}\bar{K}^{0}\bar{K}^{*}D^{*+}, \tau^{+} \to \mu^{+}\nu_{\mu}\bar{\nu}_{\tau},$ $D_{0}^{*-} \to \pi^{-}\bar{D}^{0}, \omega \to \pi^{0}\pi^{+}\pi^{-}, K^{0} \to K_{S}, \bar{K}^{0} \to K_{L}, \bar{K}^{*} \to \pi^{+}K^{-},$ $D^{*+} \to \pi^{0}D^{+}, \bar{D}^{0} \to \pi^{+}\pi^{-}\pi^{-}K^{+}, K_{S} \to \pi^{+}\pi^{-}, D^{+} \to \pi^{0}\pi^{+}K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}\nu_{\tau}\bar{\nu}_{\tau}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	80	79	1	0	1	81
82	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to D^{-}a_{1}^{+}, \bar{B}^{0} \to \pi^{+}\pi^{-}D^{+}D_{s}^{*-}, D^{-} \to \mu^{-}\bar{\nu}_{\mu}\omega,$ $a_{1}^{+} \to \rho^{0}\pi^{+}, D^{+} \to \pi^{+}\pi^{+}K^{-}, D_{s}^{*-} \to D_{s}^{-}\gamma, \omega \to \pi^{0}\pi^{+}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-},$ $D_{s}^{-} \to \rho^{-}\phi, \rho^{-} \to \pi^{0}\pi^{-}, \phi \to K^{+}K^{-}$ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma)$	81	80	1	0	1	82
83	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{+}\eta\omega D^{-}, \bar{B}^{0} \to \pi^{+}D^{0}D_{s}, \rho^{+} \to \pi^{0}\pi^{+},$ $\eta \to \pi^{+}\pi^{-}, \omega \to \pi^{0}\gamma, D^{-} \to \mu^{-}\bar{\nu}_{\mu}K^{*}, D^{0} \to K_{S}K^{+}K^{-}, D_{s}^{-} \to \rho^{-}\phi,$ $K^{*} \to \pi^{-}K^{+}, K_{S} \to \pi^{+}\pi^{-}, \rho^{-} \to \pi^{0}\pi^{-}, \phi \to \pi^{-}\rho^{+}, \rho^{+} \to \pi^{0}\pi^{+}$ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	82	81	1	0	1	83

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
84	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{+}K^{0}D^{-}, \bar{B}^{0} \to \pi^{+}\pi^{+}\pi^{-}\pi^{-}D^{*+}, K^{0} \to K_{S},$ $D^{-} \to \pi^{-}K^{+}K^{-}, D^{*+} \to \pi^{+}D^{0}, K_{S} \to \pi^{0}\pi^{0}, D^{0} \to \rho^{+}K^{*-}, \rho^{+} \to \pi^{0}\pi^{+},$ $K^{*-} \to \pi^{0}K^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	83	82	1	0	1	84
85	$e^{+}e^{-} \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^{0}\bar{B}^{0}, B^{0} \rightarrow \pi^{0}\pi^{+}\rho^{-}\bar{D}^{*0}, \bar{B}^{0} \rightarrow e^{-}\bar{\nu}_{e}\eta\bar{D}^{+}, \rho^{-} \rightarrow \pi^{0}\pi^{-},$ $\bar{D}^{*0} \rightarrow \pi^{0}\bar{D}^{0}, \eta \rightarrow \pi^{0}\pi^{+}\pi^{-}, D^{+} \rightarrow \mu^{+}\nu_{\mu}\bar{K}^{0}, \bar{D}^{0} \rightarrow K_{S}\eta', \bar{K}^{0} \rightarrow K_{L},$ $K_{S} \rightarrow \pi^{0}\pi^{0}, \eta' \rightarrow \pi^{+}\pi^{-}\eta, \eta \rightarrow \pi^{0}\pi^{0}\pi^{0}$ $(e^{+}e^{-} \rightarrow e^{-}\bar{\nu}_{e}\mu^{+}\nu_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	84	83	1	0	1	85
86	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}B^{0}, B^{0} \to \eta' D^{+}\bar{D}^{*-}, B^{0} \to \omega\bar{D}^{*-}\bar{n}p, \eta' \to \pi^{0}\pi^{0}\eta,$ $D^{+} \to \pi^{+}\phi, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, \eta \to \pi^{0}\pi^{+}\pi^{-},$ $\phi \to K^{+}K^{-}, \bar{D}^{0} \to e^{-}\bar{\nu}_{e}\rho^{+}, \bar{D}^{0} \to e^{-}\bar{\nu}_{e}K^{+}, \rho^{+} \to \pi^{0}\pi^{+}$ $(e^{+}e^{-} \to e^{-}e^{-}\bar{\nu}_{e}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	85	84	1	0	1	86
87	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{+}\pi^{-}\rho^{+}D^{-}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D_{2}^{*+}, \rho^{+} \to \pi^{0}\pi^{+},$ $D^{-} \to \mu^{-}\bar{\nu}_{\mu}K^{*}, D_{2}^{*+} \to \pi^{+}D^{0}, K^{*} \to \pi^{-}K^{+}, D^{0} \to K_{L}\omega, \omega \to \pi^{0}\pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\mu^{-}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma)$	86	85	1	0	1	87
88	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{0}\pi^{+}\eta D^{-}, \bar{B}^{0} \to \pi^{-}\rho^{+}K^{0}K^{*-}D^{+}, \rho^{0} \to \pi^{+}\pi^{-},$ $\eta \to \gamma\gamma, D^{-} \to \pi^{-}\pi^{-}K^{+}, \rho^{+} \to \pi^{0}\pi^{+}, K^{0} \to K_{L}, K^{*-} \to \pi^{0}K^{-},$ $D^{+} \to \rho^{0}\pi^{+}, K_{L} \to \mu^{+}\nu_{\mu}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma)$	87	86	1	0	1	88
89	$\begin{array}{c} e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{0}p\bar{\Sigma}_{c}^{*-}, \bar{B}^{0} \to \mu^{-}\bar{\nu}_{\mu}D_{0}^{*+}, \rho^{0} \to \pi^{+}\pi^{-}, \\ \bar{\Sigma}_{c}^{*-} \to \pi^{0}\bar{\Lambda}_{c}^{-}, D_{0}^{*+} \to \pi^{+}D^{0}, \bar{\Lambda}_{c}^{-} \to K^{+}\bar{\Delta}^{++}, D^{0} \to \pi^{+}\pi^{-}\bar{K}^{*}, \bar{\Delta}^{++} \to \pi^{-}\bar{p}, \\ \bar{K}^{*} \to \pi^{+}K^{-} \\ (e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}p\bar{p}\gamma\gamma) \end{array}$	88	87	1	0	1	89
90	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \mu^{+}\nu_{\mu}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{-}\pi^{-}D^{+}\bar{n}p, \bar{D}^{*-} \to \pi^{0}D^{-},$ $D^{+} \to K_{S}a_{1}^{+}, D^{-} \to \pi^{0}\pi^{0}\pi^{-}\pi^{-}K^{+}, K_{S} \to \pi^{0}\pi^{0}, a_{1}^{+} \to \pi^{+}f_{0}(600)$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}\bar{n}pf_{0}(600)\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	89	88	1	0	1	90
91	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\pi^{+}\pi^{-}\rho^{+}D^{-}, \bar{B}^{0} \to \mu^{-}\bar{\nu}_{\mu}D^{*+}, \rho^{+} \to \pi^{0}\pi^{+},$ $D^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{-}K^{+}, D^{*+} \to \pi^{0}D^{+}, D^{+} \to \pi^{+}\pi^{+}K^{-}$ $(e^{+}e^{-} \to \mu^{-}\mu^{-}\bar{\nu}_{\mu}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	90	89	1	0	1	91
92	$e^{+}e^{-} \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^{0}\bar{B}^{0}, B^{0} \rightarrow \pi^{-}K^{*+}J/\psi, \bar{B}^{0} \rightarrow \pi^{0}\pi^{+}K^{-}\eta_{c}(2S), K^{*+} \rightarrow \pi^{0}K^{+},$ $J/\psi \rightarrow e^{+}e^{-}, \pi^{0} \rightarrow e^{+}e^{-}, \eta_{c}(2S) \rightarrow \eta\Sigma^{+}\bar{\Sigma}^{-}, \eta \rightarrow \pi^{0}\pi^{0}\pi^{0}, \Sigma^{+} \rightarrow \pi^{+}n,$ $\bar{\Sigma}^{-} \rightarrow \pi^{0}\bar{p}$ $(e^{+}e^{-} \rightarrow e^{+}e^{+}e^{-}e^{-}\pi^{+}\pi^{+}\pi^{-}K^{+}K^{-}n\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	91	90	1	0	1	92
93	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to \bar{K}^{0}\psi', \bar{B}^{0} \to \pi^{-}\rho^{+}\rho^{-}D^{+}, \bar{K}^{0} \to K_{S},$ $\psi' \to \pi^{0}\pi^{0}J/\psi, \rho^{+} \to \pi^{0}\pi^{+}, \rho^{-} \to \pi^{0}\pi^{-}, D^{+} \to \bar{K}^{*}a_{1}^{+}, K_{S} \to \pi^{+}\pi^{-},$ $J/\psi \to \mu^{+}\mu^{-}, \bar{K}^{*} \to \pi^{+}K^{-}, a_{1}^{+} \to \pi^{+}f_{0}(600)$ $(e^{+}e^{-} \to \mu^{+}\mu^{-}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}f_{0}(600)\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	92	91	1	0	1	93

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
94	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{0}\rho^{+}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{-}K^{0}D^{+}, \rho^{0} \to \pi^{+}\pi^{-},$ $\rho^{+} \to \pi^{0}\pi^{+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, K^{0} \to K_{L}, D^{+} \to K_{L}a_{1}^{+}, \bar{D}^{0} \to \pi^{-}K^{+},$ $a_{1}^{+} \to \pi^{+}f_{0}(600)$ $(e^{+}e^{-} \to K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}f_{0}(600)\gamma\gamma)$	93	92	1	0	1	94
95	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{+}\omega D^{-}, \bar{B}^{0} \to \pi^{0}\omega K^{0}K^{-}D^{+}, \rho^{+} \to \pi^{0}\pi^{+},$ $\omega \to \pi^{0}\pi^{+}\pi^{-}, D^{-} \to \pi^{-}\pi^{-}K^{+}, \pi^{0} \to e^{+}e^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, K^{0} \to K_{S},$ $D^{+} \to \mu^{+}\nu_{\mu}\bar{K}^{*}, K_{S} \to \pi^{+}\pi^{-}, \bar{K}^{*} \to \pi^{+}K^{-}$ $(e^{+}e^{-} \to e^{+}e^{-}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	94	93	1	0	1	95
96	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to e^{+}\nu_{e}\bar{D}^{*-}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D^{*+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$ $D^{*+} \to \pi^{+}D^{0}, \bar{D}^{0} \to K^{+}a_{1}^{-}, D^{0} \to \pi^{0}\pi^{+}K^{-}, a_{1}^{-} \to \pi^{-}f_{0}(600)$ $(e^{+}e^{-} \to e^{+}e^{-}\nu_{e}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}f_{0}(600)\gamma\gamma)$	95	94	1	0	1	96
97	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to K^{*+}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{0}\pi^{-}D^{*+}\Delta^{+}\bar{\Delta}^{+}, K^{*+} \to \pi^{+}K^{0},$ $\bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{*+} \to \pi^{+}D^{0}, \Delta^{+} \to \pi^{+}n, \bar{\Delta}^{+} \to \pi^{0}\bar{p}, K^{0} \to K_{L},$ $\bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, D^{0} \to \pi^{+}\pi^{-}K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}n\bar{p}\gamma\gamma\gamma\gamma\gamma)$	96	95	1	0	1	97
98	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to D_{2}^{*-}D_{s}^{*+}, \bar{B}^{0} \to \pi^{+}\pi^{-}D^{+}D_{s}^{*-}, D_{2}^{*-} \to \pi^{0}\bar{D}^{*-},$ $D_{s}^{*+} \to D_{s}^{+}\gamma, D^{+} \to \pi^{+}\bar{K}_{1}^{'0}, D_{s}^{-} \to e^{-}\bar{\nu}_{e}\eta', \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D_{s}^{+} \to \pi^{+}\phi,$ $\bar{K}_{1}^{'0} \to \pi^{+}K^{*-}, \eta' \to \pi^{0}\pi^{0}\eta, \bar{D}^{0} \to \pi^{-}\omega K^{+}, \phi \to \pi^{-}\rho^{+}, K^{*-} \to \pi^{-}\bar{K}^{0},$ $\eta \to \pi^{0}\pi^{+}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \rho^{+} \to \pi^{0}\pi^{+}, \bar{K}^{0} \to K_{S}, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	97	96	1	0	1	98
99	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to K_{L}\eta_{c}, \bar{B}^{0} \to \pi^{-}\pi^{-}\rho^{+}D^{*+}, \eta_{c} \to \pi^{0}K^{0}\bar{K}^{0}\bar{K}^{0}K^{*},$ $\rho^{+} \to \pi^{0}\pi^{+}, D^{*+} \to \pi^{0}D^{+}, K^{0} \to K_{S}, \bar{K}^{0} \to K_{L}, \bar{K}^{0} \to K_{S},$ $K^{*} \to \pi^{-}K^{+}, D^{+} \to \pi^{0}\pi^{+}K_{S}, K_{S} \to \pi^{0}\pi^{0}, K_{S} \to \pi^{+}\pi^{-}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma$	98	97	1	0	1	99
100	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\pi^{0}\rho^{0}\pi^{+}\bar{D}^{*-}, \bar{B}^{0} \to K^{*}K^{-}D^{+}, \rho^{0} \to \pi^{+}\pi^{-},$ $\bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, K^{*} \to \pi^{0}K^{0}, D^{+} \to \pi^{+}\pi^{+}K^{-}, \bar{D}^{0} \to \pi^{-}\rho^{+}, K^{0} \to K_{S},$ $\rho^{+} \to \pi^{0}\pi^{+}, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	99	98	1	0	1	100
101	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\pi^{+}\rho^{-}\eta\bar{D}^{0}, \bar{B}^{0} \to \pi^{-}\rho^{+}\rho^{-}D^{+}, \rho^{-} \to \pi^{0}\pi^{-}, \\ \eta \to \pi^{0}\pi^{+}\pi^{-}, \bar{D}^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S}, \rho^{+} \to \pi^{0}\pi^{+}, \rho^{-} \to \pi^{0}\pi^{-}, D^{+} \to e^{+}\nu_{e}\bar{K}^{0}, \\ \pi^{0} \to e^{+}e^{-}, K_{S} \to \pi^{+}\pi^{-}, \bar{K}^{0} \to K_{S}, K_{S} \to \pi^{0}\pi^{0} \\ (e^{+}e^{-} \to e^{+}e^{+}e^{-}\nu_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	100	99	1	0	1	101
102	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\pi^{0}\eta\omega\bar{D}^{0}, \bar{B}^{0} \to \pi^{+}\pi^{-}D^{+}D_{s}^{-}, \eta \to \pi^{+}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, D^{+} \to \pi^{0}\pi^{+}K_{S}, D_{s}^{-} \to e^{-}\bar{\nu}_{e}\eta, K_{S} \to \pi^{+}\pi^{-}, \eta \to $	101	100	1	0	1	102

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
103	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\rho^{+}\omega\omega D^{-}, \bar{B}^{0} \to \pi^{0}\pi^{0}\rho^{0}\pi^{-}\pi^{-}\rho^{+}D^{*+}, \rho^{+} \to \pi^{0}\pi^{+},$ $\omega \to \pi^{0}\pi^{+}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{-} \to \pi^{-}\pi^{-}K^{+}, \rho^{0} \to \pi^{+}\pi^{-}, \rho^{+} \to \pi^{0}\pi^{+},$ $D^{*+} \to \pi^{+}D^{0}, D^{0} \to \pi^{0}\pi^{+}K^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma$	102	101	1	0	1	103
104	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to D^{-}D_{s}^{*}, \bar{B}^{0} \to \rho^{0}\pi^{-}\rho^{+}D^{0}, D^{-} \to \pi^{0}\pi^{-}K_{S},$ $D_{s}^{*+} \to D_{s}^{+}\gamma, \rho^{0} \to \pi^{+}\pi^{-}, \rho^{+} \to \pi^{0}\pi^{+}, D^{0} \to \mu^{+}\nu_{\mu}K^{-}, K_{S} \to \pi^{+}\pi^{-},$ $D_{s}^{+} \to \pi^{0}\pi^{+}\omega, \omega \to \pi^{0}\pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	103	102	1	0	1	104
105	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}B^{0}, B^{0} \to \pi^{0}\rho^{0}\pi^{+}\pi^{+}\pi^{-}\omega D^{-}, B^{0} \to \pi^{+}D^{*0}D_{s}^{-}, \rho^{0} \to \pi^{+}\pi^{-}, \\ \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{-} \to \pi^{0}\pi^{-}K^{*}, D^{*0} \to \pi^{0}D^{0}, D_{s}^{-} \to e^{-}\bar{\nu}_{e}\eta', K^{*} \to \pi^{-}K^{+}, \\ D^{0} \to \pi^{+}\pi^{-}\bar{K}^{*}, \eta' \to \pi^{+}\pi^{-}\eta, \bar{K}^{*} \to \pi^{+}K^{-}, \eta \to \gamma\gamma \\ (e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+$	104	103	1	0	1	105
106	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{+}K^{+}K^{-}\bar{D}^{*-}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D^{*+}, \rho^{+} \to \pi^{0}\pi^{+},$ $\bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{*+} \to \pi^{0}D^{+}, \bar{D}^{0} \to K_{L}\pi^{+}\pi^{-}, D^{+} \to \pi^{0}\pi^{+}K_{S}, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	105	104	1	0	1	106
107	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to K^{0}J/\psi, \bar{B}^{0} \to \pi^{0}\pi^{+}\pi^{-}\pi^{-}D^{*+}, K^{0} \to K_{S},$ $J/\psi \to e^{+}e^{-}, D^{*+} \to \pi^{+}D^{0}, K_{S} \to \pi^{+}\pi^{-}, D^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}e^{-}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma)$	106	105	1	0	1	107
108	$e^{+}e^{-} \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^{0}\bar{B}^{0}, B^{0} \rightarrow \pi^{0}\pi^{0}\pi^{+}\rho^{-}\bar{D}^{*0}, \bar{B}^{0} \rightarrow \rho^{-}\eta\omega\omega D^{*+}, \rho^{-} \rightarrow \pi^{0}\pi^{-},$ $\bar{D}^{*0} \rightarrow \bar{D}^{0}\gamma, \rho^{-} \rightarrow \pi^{0}\pi^{-}, \eta \rightarrow \pi^{0}\pi^{0}\pi^{0}, \omega \rightarrow \pi^{0}\pi^{+}\pi^{-}, \omega \rightarrow \pi^{0}\pi^{+}\pi^{-},$ $D^{*+} \rightarrow \pi^{0}D^{+}, \bar{D}^{0} \rightarrow \pi^{-}\omega K^{+}, \pi^{0} \rightarrow e^{+}e^{-}, D^{+} \rightarrow \pi^{0}\pi^{+}\bar{K}^{*}, \omega \rightarrow \pi^{0}\gamma,$ $\bar{K}^{*} \rightarrow \pi^{0}\bar{K}^{0}, \bar{K}^{0} \rightarrow K_{L}, K_{L} \rightarrow \mu^{-}\nu_{\mu}\pi^{+}$ $(e^{+}e^{-} \rightarrow e^{+}e^{-}\mu^{-}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma$	107	106	1	0	1	108
109	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{+}\pi^{-}\bar{D}^{*0}, \bar{B}^{0} \to \pi^{0}\pi^{+}\pi^{-}\rho^{-}D^{+}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0},$ $\rho^{-} \to \pi^{0}\pi^{-}, D^{+} \to \pi^{+}K_{S}, \bar{D}^{0} \to \mu^{-}\bar{\nu}_{\mu}K^{+}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma)$	108	107	1	0	1	109
110	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to \rho^{0}\pi^{-}D^{*+}, \bar{B}^{0} \to \bar{K}^{0}\bar{\Sigma}^{*0}\Sigma_{c}^{*0}, \rho^{0} \to \pi^{+}\pi^{-},$ $D^{*+} \to \pi^{+}D^{0}, \bar{K}^{0} \to K_{L}, \bar{\Sigma}^{*0} \to \pi^{0}\bar{\Lambda}, \Sigma_{c}^{*0} \to \pi^{-}\Lambda_{c}^{+}, D^{0} \to \pi^{0}\pi^{0}\bar{K}^{*},$ $\bar{\Lambda} \to \pi^{+}\bar{p}, \Lambda_{c}^{+} \to \pi^{+}\eta\Lambda, \bar{K}^{*} \to \pi^{+}K^{-}, \eta \to \pi^{0}\pi^{0}\pi^{0}, \Lambda \to \pi^{-}p$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	109	108	1	0	1	110
111	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to D^{*+}D_{s}^{*-}, \bar{B}^{0} \to \rho^{0}\pi^{+}\bar{\Delta}^{++}\Lambda_{c}^{+}, D^{*+} \to \pi^{0}D^{+},$ $D_{s}^{*-} \to \pi^{0}D_{s}^{-}, \rho^{0} \to \pi^{+}\pi^{-}, \bar{\Delta}^{++} \to \pi^{-}\bar{p}, \Lambda_{c}^{+} \to \rho^{0}\Sigma^{+}, D^{+} \to \pi^{0}K_{L}\pi^{+},$ $D_{s}^{-} \to \mu^{-}\bar{\nu}_{\mu}\eta, \rho^{0} \to \pi^{+}\pi^{-}, \Sigma^{+} \to \pi^{0}p, \eta \to \gamma\gamma$ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	110	109	1	0	1	111
112	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to e^{+}\nu_{e}D_{2}^{*-}, \bar{B}^{0} \to \rho^{-}D^{*+}, D_{2}^{*-} \to \pi^{-}\bar{D}^{0},$ $\rho^{-} \to \pi^{0}\pi^{-}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{0} \to \pi^{0}K_{1}^{0}, D^{0} \to K^{-}a_{1}^{+}, K_{1}^{0} \to \omega K^{0},$ $a_{1}^{+} \to \pi^{0}\rho^{+}, \omega \to \pi^{0}\pi^{+}\pi^{-}, K^{0} \to K_{S}, \rho^{+} \to \pi^{0}\pi^{+}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	111	110	1	0	1	112

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
113	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to e^{+}\nu_{e}D^{-}, \bar{B}^{0} \to D_{s}^{*+}\bar{\Delta}^{+}\Lambda, D^{-} \to \pi^{-}\pi^{-}K^{+},$ $D_{s}^{*+} \to D_{s}^{+}\gamma, \bar{\Delta}^{+} \to \pi^{-}\bar{n}, \Lambda \to \pi^{0}n, D_{s}^{+} \to \pi^{+}\eta, \eta \to \pi^{0}\pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}n\bar{n}\gamma\gamma\gamma\gamma\gamma)$	112	111	1	0	1	113
114	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\pi^{+}\pi^{+}\pi^{-}\bar{D}^{*-}, \bar{B}^{0} \to K^{-}D^{*+}\bar{D}^{*0}, \bar{D}^{*-} \to \pi^{0}D^{-},$ $D^{*+} \to \pi^{+}D^{0}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, D^{-} \to K_{L}\pi^{+}\pi^{-}K^{-}, D^{0} \to \pi^{-}\rho^{+}, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+},$ $\rho^{+} \to \pi^{0}\pi^{+}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	113	112	1	0	1	114
115	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \bar{D}^{*-}D'_{s1}^{+}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D^{*+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$ $D'_{s1}^{+} \to \pi^{0}D^{*+}_{s}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{0} \to \pi^{-}\eta K^{+}, D^{*+}_{s} \to D^{+}_{s}\gamma, D^{0} \to K_{L}K^{+}K^{-},$ $\eta \to \pi^{0}\pi^{+}\pi^{-}, D^{+}_{s} \to \pi^{0}\pi^{+}\pi^{+}\pi^{-}\pi^{-}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	114	113	1	0	1	115
116	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to D^{*+}D_{s}^{*-}, \bar{B}^{0} \to \mu^{-}\bar{\nu}_{\mu}D_{1}^{\prime+}, D^{*+} \to \pi^{+}D^{0},$ $D_{s}^{*-} \to D_{s}^{-}\gamma, D_{1}^{\prime+} \to \pi^{0}D^{*+}, D^{0} \to \pi^{0}\pi^{+}K^{-}, D_{s}^{-} \to \rho^{-}\eta, D^{*+} \to \pi^{+}D^{0},$ $\rho^{-} \to \pi^{0}\pi^{-}, \eta \to \pi^{0}\pi^{+}\pi^{-}, D^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	115	114	1	0	1	116
117	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\pi^{+}\eta\bar{K}^{0}K^{*}D^{-}, \bar{B}^{0} \to D^{*+}D_{s}^{*-}, \eta \to \pi^{+}\pi^{-},$ $\bar{K}^{0} \to K_{L}, K^{*} \to \pi^{-}K^{+}, D^{-} \to \pi^{0}\pi^{-}K^{*}, D^{*+} \to \pi^{+}D^{0}, D_{s}^{*-} \to D_{s}^{-}\gamma,$ $K^{*} \to \pi^{-}K^{+}, D^{0} \to e^{+}\nu_{e}K^{*-}, D_{s}^{-} \to \rho^{-}\eta', K^{*-} \to \pi^{0}K^{-}, \rho^{-} \to \pi^{0}\pi^{-},$ $\eta' \to \pi^{+}\pi^{-}\eta, \eta \to \gamma\gamma$ $(e^{+}e^{-} \to e^{+}\nu_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	116	115	1	0	1	117
118	$e^{+}e^{-} \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^{0}\bar{B}^{0}, B^{0} \rightarrow \rho^{-}\eta\bar{K}^{0}K^{+}\bar{D}^{*0}, \bar{B}^{0} \rightarrow \pi^{-}\eta\bar{D}^{*+}, \rho^{-} \rightarrow \pi^{0}\pi^{-},$ $\eta \rightarrow \pi^{0}\pi^{0}\pi^{0}, \bar{K}^{0} \rightarrow K_{S}, \bar{D}^{*0} \rightarrow \bar{D}^{0}\gamma, \eta \rightarrow \pi^{0}\pi^{0}\pi^{0}, D^{*+} \rightarrow \pi^{+}D^{0},$ $K_{S} \rightarrow \pi^{0}\pi^{0}, \bar{D}^{0} \rightarrow \pi^{0}\pi^{-}K^{+}, D^{0} \rightarrow e^{+}\nu_{e}K^{-}$ $(e^{+}e^{-} \rightarrow e^{+}\nu_{e}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma)$ $e^{+}e^{-} \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^{0}B^{0}, B^{0} \rightarrow \pi^{0}\pi^{0}\bar{D}^{0}, B^{0} \rightarrow \pi^{0}\rho^{0}\rho^{+}\omega\bar{D}^{-}, \bar{D}^{0} \rightarrow \rho^{0}\pi^{-}K^{+},$	117	116	1	0	1	118
119	$\rho^{0} \to \pi^{+}\pi^{-}, \rho^{+} \to \pi^{0}\pi^{+}, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{-} \to e^{-}\bar{\nu}_{e}\pi^{-}K^{+}, \rho^{0} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	118	117	1	0	1	119
120	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to K^{0}D^{*+}\bar{D}^{*-}, \bar{B}^{0} \to \mu^{-}\bar{\nu}_{\mu}D^{*+}, K^{0} \to K_{S},$ $D^{*+} \to \pi^{0}D^{+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{*+} \to \pi^{+}D^{0}, K_{S} \to \pi^{+}\pi^{-}, D^{+} \to \pi^{+}\pi^{+}K^{-},$ $\bar{D}^{0} \to \pi^{-}K_{S}K^{+}, D^{0} \to K_{L}\pi^{-}K^{+}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma\gamma)$	119	118	1	0	1	120
121	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D^{*+}, \bar{B}^{0} \to \mu^{-}\bar{\nu}_{\mu}D^{*+}, D^{*+} \to \pi^{+}D^{0},$ $D^{*+} \to \pi^{+}D^{0}, D^{0} \to \pi^{0}\pi^{+}K^{-}, D^{0} \to \rho^{+}K^{*-}, \rho^{+} \to \pi^{0}\pi^{+}, K^{*-} \to \pi^{-}\bar{K}^{0},$ $\bar{K}^{0} \to K_{L}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\mu^{-}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}K^{-}\gamma\gamma\gamma\gamma)$	120	119	1	0	1	121

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
122	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\pi^{+}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{+}\pi^{-}\omega D^{*0}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$ $\omega \to \pi^{0}\pi^{+}\pi^{-}, D^{*0} \to \pi^{0}D^{0}, \bar{D}^{0} \to \pi^{-}K_{S}K^{+}, D^{0} \to \mu^{+}\nu_{\mu}\pi^{-}\bar{K}^{0}, K_{S} \to \pi^{+}\pi^{-},$ $\bar{K}^{0} \to K_{L}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma)$ $e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \mu^{+}\nu_{\mu}\bar{D}^{*-}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D^{*+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$	121	120	1	0	1	122
123	$D^{*+} \to \pi^{+}D^{0}, \bar{D}^{0} \to e^{-}\bar{\nu}_{e}K^{+}, D^{0} \to \rho^{+}K^{*-}, \rho^{+} \to \pi^{0}\pi^{+}, K^{*-} \to \pi^{0}K^{-}$ $(e^{+}e^{-} \to e^{-}e^{-}\bar{\nu}_{e}\bar{\nu}_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma)$	122	121	1	0	1	123
124	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \tau^{+}\nu_{\tau}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{0}\omega K^{*-}D_{s}^{+}, \tau^{+} \to \bar{\nu}_{\tau}\pi^{0}\pi^{+},$ $\bar{D}^{*-} \to \pi^{0}D^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, K^{*-} \to \pi^{-}\bar{K}^{0}, D_{s}^{+} \to \pi^{+}f_{0}(980), D^{-} \to e^{-}\bar{\nu}_{e}K^{0},$ $\bar{K}^{0} \to K_{L}, f_{0}(980) \to \pi^{+}\pi^{-}, K^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\nu_{\tau}\bar{\nu}_{\tau}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	123	122	1	0	1	124
125	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{-}\bar{K}^{0}K^{+}\bar{D}^{*0}, \bar{B}^{0} \to \mu^{-}\bar{\nu}_{\mu}D^{+}, \bar{K}^{0} \to K_{L},$ $\bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, D^{+} \to K_{L}K^{*+}, \bar{D}^{0} \to \omega K_{S}, K^{*+} \to \pi^{+}K^{0}, \omega \to \pi^{0}\pi^{+}\pi^{-},$ $K_{S} \to \pi^{0}\pi^{0}, K^{0} \to K_{S}, \pi^{0} \to e^{+}e^{-}, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to e^{+}e^{-}\mu^{-}\bar{\nu}_{\mu}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	124	123	1	0	1	125
126	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \mu^{+}\nu_{\mu}D_{1}^{\prime-}, \bar{B}^{0} \to \mu^{-}\bar{\nu}_{\mu}D^{*+}, D_{1}^{\prime-} \to \pi^{-}\bar{D}^{*0},$ $D^{*+} \to \pi^{0}D^{+}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, D^{+} \to e^{+}\nu_{e}\bar{K}^{*}, \bar{D}^{0} \to \rho^{-}K^{*+}, \bar{K}^{*} \to \pi^{+}K^{-},$ $\rho^{-} \to \pi^{0}\pi^{-}, K^{*+} \to \pi^{+}K^{0}, K^{0} \to K_{S}, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to e^{+}\nu_{e}\mu^{+}\mu^{-}\nu_{\mu}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	125	124	1	0	1	126
127	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\pi^{+}\pi^{+}\pi^{-}\bar{D}^{*-}, \bar{B}^{0} \to D_{2}^{*+}D_{s}^{-}, \pi^{0} \to e^{+}e^{-},$ $\bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D_{2}^{*+} \to \pi^{+}D^{0}, D_{s}^{-} \to \pi^{0}\pi^{0}\pi^{-}, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, D^{0} \to \rho^{+}K^{*-},$ $\rho^{+} \to \pi^{0}\pi^{+}, K^{*-} \to \pi^{-}\bar{K}^{0}, \bar{K}^{0} \to K_{L}, K_{L} \to \pi^{0}\pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}e^{-}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	126	125	1	0	1	127
128	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D^{*+}, \bar{B}^{0} \to \bar{K}^{*}D^{+}D^{-}, D^{*+} \to \pi^{+}D^{0},$ $\bar{K}^{*} \to \pi^{+}K^{-}, D^{+} \to e^{+}\nu_{e}\bar{K}^{0}, D^{-} \to e^{-}\bar{\nu}_{e}K^{*}, D^{0} \to \pi^{0}\pi^{+}K^{-}, \bar{K}^{0} \to K_{S},$ $K^{*} \to \pi^{0}K^{0}, K_{S} \to \pi^{+}\pi^{-}, K^{0} \to K_{L}$ $(e^{+}e^{-} \to e^{+}e^{-}e^{-}\nu_{e}\bar{\nu}_{e}\bar{\nu}_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}K^{-}K^{-}\gamma\gamma\gamma\gamma)$	127	126	1	0	1	128
129	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to e^{+}\nu_{e}D'_{1}^{-}, \bar{B}^{0} \to \pi^{+}D^{0}D_{s}^{-}, D'_{1}^{-} \to \pi^{-}\bar{D}^{*0},$ $D^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S}, D_{s}^{-} \to \tau^{-}\bar{\nu}_{\tau}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, K_{S} \to \pi^{+}\pi^{-}, \tau^{-} \to e^{-}\bar{\nu}_{e}\nu_{\tau},$ $\bar{D}^{0} \to \pi^{+}\pi^{-}K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}e^{-}\nu_{e}\bar{\nu}_{e}\nu_{\tau}\bar{\nu}_{\tau}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma)$	128	127	1	0	1	129
130	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \bar{D}^{*-}a_{1}^{+}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D^{*+}, \bar{D}^{*-} \to \pi^{0}D^{-},$ $a_{1}^{+} \to \pi^{0}\rho^{+}, D^{*+} \to \pi^{0}D^{+}, D^{-} \to \pi^{-}\pi^{-}K^{+}, \rho^{+} \to \pi^{0}\pi^{+}, D^{+} \to e^{+}\nu_{e}\bar{K}^{0},$ $\bar{K}^{0} \to K_{L}, K_{L} \to e^{-}\nu_{e}\pi^{+}$ $(e^{+}e^{-} \to e^{+}e^{-}e^{-}\nu_{e}\nu_{e}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	129	128	1	0	1	130

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
131	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \eta \bar{K}^{0}K^{+}\bar{D}^{*-}, \bar{B}^{0} \to \rho^{-}\eta D^{+}, \eta \to \pi^{0}\pi^{+}\pi^{-},$ $\bar{K}^{0} \to K_{S}, \bar{D}^{*-} \to \pi^{0}D^{-}, \rho^{-} \to \pi^{0}\pi^{-}, \eta \to \gamma\gamma, D^{+} \to \pi^{0}\pi^{0}\pi^{+},$ $K_{S} \to \pi^{0}\pi^{0}, D^{-} \to K_{L}a_{1}^{-}, a_{1}^{-} \to \rho^{0}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	130	129	1	0	1	131
132	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to \rho^{-}D^{+}, \bar{B}^{0} \to \rho^{0}\pi^{-}\omega D^{+}, \rho^{-} \to \pi^{0}\pi^{-},$ $D^{+} \to e^{+}\nu_{e}\pi^{+}K^{-}, \rho^{0} \to \pi^{+}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{+} \to \pi^{+}\pi^{+}K^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}K^{-}\gamma\gamma\gamma\gamma)$	131	130	1	0	1	132
133	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}B^{0}, B^{0} \to \bar{D}^{*-}D_{s}^{+}, B^{0} \to e^{+}\nu_{e}\bar{D}_{2}^{*-}, \bar{D}^{*-} \to \pi^{0}D^{-},$ $D_{s}^{+} \to \mu^{+}\nu_{\mu}\phi, D_{2}^{*-} \to \pi^{-}\bar{D}^{*0}, D^{-} \to e^{-}\bar{\nu}_{e}\pi^{-}K^{+}, \phi \to K^{+}K^{-}, \bar{D}^{*0} \to \bar{D}^{0}\gamma,$ $\bar{D}^{0} \to K^{+}a_{1}^{-}, a_{1}^{-} \to \rho^{0}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}e^{-}\nu_{e}\bar{\nu}_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{+}K^{-}\gamma\gamma\gamma)$	132	131	1	0	1	133
134	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{+}\pi^{-}\rho^{+}\bar{D}^{*-}, \bar{B}^{0} \to D_{2}^{*+}D_{s}^{-}, \rho^{+} \to \pi^{0}\pi^{+},$ $\bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D_{2}^{*+} \to \pi^{+}D^{0}, D_{s}^{-} \to \tau^{-}\bar{\nu}_{\tau}, \bar{D}^{0} \to \pi^{0}K_{L}\pi^{+}\pi^{-}, D^{0} \to \rho^{+}K^{*-},$ $\tau^{-} \to \nu_{\tau}\pi^{0}\pi^{-}, \rho^{+} \to \pi^{0}\pi^{+}, K^{*-} \to \pi^{-}\bar{K}^{0}, \bar{K}^{0} \to K_{L}$ $(e^{+}e^{-} \to \nu_{\tau}\bar{\nu}_{\tau}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	133	132	1	0	1	134
135	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\omega K^{+}D_{s}^{*-}, \bar{B}^{0} \to \mu^{-}\bar{\nu}_{\mu}D^{*+}, \omega \to \pi^{0}\pi^{+}\pi^{-},$ $D_{s}^{*-} \to D_{s}^{-}\gamma, D^{*+} \to \pi^{+}D^{0}, D_{s}^{-} \to \rho^{-}\eta', D^{0} \to \pi^{+}\pi^{+}\pi^{-}K^{-}, \rho^{-} \to \pi^{0}\pi^{-},$ $\eta' \to \rho^{0}\gamma, \rho^{0} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	134	133	1	0	1	135
136	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to D_{s}^{*+}D_{1}^{\prime-}, \bar{B}^{0} \to \rho^{0}\pi^{-}D^{*+}, D_{s}^{*+} \to D_{s}^{+}\gamma,$ $D_{1}^{\prime-} \to \pi^{-}\bar{D}^{*0}, \rho^{0} \to \pi^{+}\pi^{-}, D^{*+} \to \pi^{+}D^{0}, D_{s}^{+} \to K_{L}\pi^{+}\pi^{-}K^{+}, \bar{D}^{*0} \to \bar{D}^{0}\gamma,$ $D^{0} \to K^{-}a_{1}^{+}, \bar{D}^{0} \to \pi^{0}\pi^{+}\pi^{-}K^{*}, a_{1}^{+} \to \pi^{+}f_{0}(600), K^{*} \to \pi^{-}K^{+}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}f_{0}(600)\gamma\gamma\gamma\gamma)$	135	134	1	0	1	136
137	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{0}\pi^{-}\rho^{+}\rho^{+}K^{0}D^{-}, \bar{B}^{0} \to \pi^{0}\rho^{0}\pi^{-}\eta\omega D^{+}, \rho^{0} \to \pi^{+}\pi^{-},$ $\rho^{+} \to \pi^{0}\pi^{+}, \rho^{+} \to \pi^{0}\pi^{+}, K^{0} \to K_{S}, D^{-} \to K_{L}\pi^{+}\pi^{-}K^{-}, \pi^{0} \to e^{+}e^{-},$ $\rho^{0} \to \pi^{+}\pi^{-}, \eta \to \pi^{+}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{+} \to K_{L}a_{1}^{+}, K_{S} \to \pi^{+}\pi^{-},$ $a_{1}^{+} \to \pi^{0}\rho^{+}, \rho^{+} \to \pi^{0}\pi^{+}$ $(e^{+}e^{-} \to e^{+}e^{-}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+$	136	135	1	0	1	137
138	$D^{*0} \to \pi^0 D^0, D_s^- \to \rho^- \eta', D^0 \to \pi^+ K^-, \rho^- \to \pi^0 \pi^-, \eta' \to \rho^0 \gamma,$ $\rho^0 \to \pi^+ \pi^-$ $(e^+ e^- \to \pi^+ \pi^+ \pi^- \pi^- K^+ K^- n \bar{n} \gamma \gamma \gamma \gamma \gamma \gamma \gamma \gamma)$	137	136	1	0	1	138
139	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}B^{0}, B^{0} \to e^{+}\nu_{e}D^{-}, B^{0} \to K^{+}\Delta^{+}\bar{\Sigma}_{c}^{*-}, D^{-} \to K_{L}\pi^{+}\pi^{-}K^{-}, \Delta^{+} \to \pi^{0}p, \bar{\Sigma}_{c}^{*} \to \pi^{-}\bar{\Lambda}_{c}^{-}, \bar{\Lambda}_{c}^{-} \to \pi^{0}\pi^{-}\bar{\Delta}^{0}, \bar{\Delta}^{0} \to \pi^{+}\bar{p}$ $(e^{+}e^{-} \to e^{+}\nu_{e}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}p\bar{p}\gamma\gamma\gamma\gamma)$	138	137	1	0	1	139

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
140	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{+}\rho^{+}\rho^{-}\eta\bar{D}^{*-}, \bar{B}^{0} \to \pi^{0}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\bar{K}^{0}K^{*}K^{+}K^{*-}, \rho^{+} \to \rho^{+} \to \pi^{0}\pi^{+}, \rho^{-} \to \pi^{0}\pi^{-}, \eta \to \pi^{0}\pi^{+}\pi^{-}, \bar{D}^{*-} \to \pi^{0}D^{-}, \bar{K}^{0} \to K_{S}, K^{*} \to \pi^{-}K^{+}, K^{*-} \to \pi^{-}\bar{K}^{0}, D^{-} \to e^{-}\bar{\nu}_{e}K^{*}, K_{S} \to \pi^{+}\pi^{-}, \bar{K}^{0} \to K_{S}, K^{*} \to \pi^{-}K^{+}, K_{S} \to \pi^{+}\pi^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-$	$139 \\ \pi^0 \pi^+,$	138	1	0	1	140
141	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \mu^{+}\nu_{\mu}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{0}\rho^{0}\pi^{-}D^{+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$ $\rho^{0} \to \pi^{+}\pi^{-}, D^{+} \to \pi^{0}\pi^{+}\bar{K}^{*}, \bar{D}^{0} \to e^{-}\bar{\nu}_{e}K^{+}, \bar{K}^{*} \to \pi^{0}\bar{K}^{0}, \bar{K}^{0} \to K_{S},$ $K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma)$ $e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to D^{-}D_{s}^{*+}\gamma, \bar{B}^{0} \to \pi^{+}\pi^{-}\rho^{-}D^{+}, D^{-} \to \pi^{0}\pi^{-}K^{+}K^{-},$	140	139	1	0	1	141
142	$D_{s}^{*+} \to D_{s}^{+} \gamma, \rho^{-} \to \pi^{0} \pi^{-}, D^{+} \to \mu^{+} \nu_{\mu} \bar{K}^{*}, D_{s}^{+} \to \bar{K}^{*} K^{*+}, \bar{K}^{*} \to \pi^{+} K^{-}, \\ \bar{K}^{*} \to \pi^{+} K^{-}, K^{*+} \to \pi^{0} K^{+} \\ (e^{+}e^{-} \to \mu^{+} \nu_{\mu} \pi^{+} \pi^{+} \pi^{-} \pi^{-} \pi^{-} K^{+} K^{+} K^{-} K^{-} K^{-} \gamma \gamma \gamma \gamma \gamma \gamma \gamma)$	141	140	1	0	1	142
143	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{+}n\bar{\Sigma}_{c}^{-}, \bar{B}^{0} \to D^{*+}D'_{s1}^{-}, \rho^{+} \to \pi^{0}\pi^{+},$ $\bar{\Sigma}_{c}^{-} \to \pi^{0}\bar{\Lambda}_{c}^{-}, D^{*+} \to \pi^{+}D^{0}, D'_{s1}^{-} \to \pi^{0}D_{s}^{*-}, \bar{\Lambda}_{c}^{-} \to \bar{K}^{*}\bar{\Sigma}^{-}, D^{0} \to \pi^{0}\pi^{+}K^{-},$ $D_{s}^{*-} \to D_{s}^{-}\gamma, \bar{K}^{*} \to \pi^{+}K^{-}, \bar{\Sigma}^{-} \to \pi^{-}\bar{n}, D_{s}^{-} \to K^{*}K^{-}, K^{*} \to \pi^{-}K^{+}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}K^{-}n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	142	141	1	0	1	143
144	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to \mu^{-}\bar{\nu}_{\mu}D^{+}, \bar{B}^{0} \to \bar{K}^{*}K^{-}D^{*+}, D^{+} \to K_{S}K^{*+},$ $\bar{K}^{*} \to \pi^{+}K^{-}, D^{*+} \to \pi^{0}D^{+}, K_{S} \to \pi^{+}\pi^{-}, K^{*+} \to \pi^{0}K^{+}, D^{+} \to \pi^{0}\pi^{0}\pi^{+}$ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	143	142	1	0	1	144
145	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{+}\pi^{+}\pi^{-}\omega\bar{D}^{*-}, \bar{B}^{0} \to \pi^{0}\pi^{+}\pi^{-}\pi^{-}D^{*+}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{0} \to e^{-}\bar{\nu}_{e}\pi^{+}K^{0}, D^{0} \to \rho^{+}K^{*-}, K^{0} \to K_{S}, \\ \rho^{+} \to \pi^{0}\pi^{+}, K^{*-} \to \pi^{-}\bar{K}^{0}, K_{S} \to \pi^{+}\pi^{-}, \bar{K}^{0} \to K_{L} \\ (e^{+}e^{-} \to e^{-}\bar{\nu}_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	144	143	1	0	1	145
146	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{+}K^{0}\bar{K}^{*}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{+}K^{-}D^{-}D^{*+}, K^{0} \to K_{L},$ $\bar{K}^{*} \to \pi^{+}K^{-}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{-} \to K_{S}a_{1}^{-}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{0} \to K_{S}\eta',$ $K_{S} \to \pi^{+}\pi^{-}, a_{1}^{-} \to \rho^{0}\pi^{-}, D^{0} \to \pi^{0}\pi^{0}\pi^{+}\pi^{-}, K_{S} \to \pi^{+}\pi^{-}, \eta' \to \rho^{0}\gamma,$ $\rho^{0} \to \pi^{+}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+$	145	144	1	0	1	146
147	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to \rho^{-}D_{2}^{*+}, \bar{B}^{0} \to \rho^{0}\pi^{+}K^{*-}\eta_{c}, \rho^{-} \to \pi^{0}\pi^{-},$ $D_{2}^{*+} \to \pi^{+}D^{0}, \rho^{0} \to \pi^{+}\pi^{-}, K^{*-} \to \pi^{-}\bar{K}^{0}, \eta_{c} \to \pi^{0}\pi^{+}\pi^{-}\omega, D^{0} \to \pi^{+}\omega K^{-},$ $\bar{K}^{0} \to K_{L}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	146	145	1	0	1	147
148	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{0}\pi^{+}\pi^{+}\rho^{-}D^{-}, \bar{B}^{0} \to D_{s}^{*-}D_{1}^{+}, \rho^{0} \to \pi^{+}\pi^{-},$ $\rho^{-} \to \pi^{0}\pi^{-}, D^{-} \to \mu^{-}\bar{\nu}_{\mu}K^{0}, D_{s}^{*-} \to D_{s}^{-}\gamma, D_{1}^{+} \to \pi^{+}D^{*0}, K^{0} \to K_{S},$ $D_{s}^{-} \to \pi^{+}\pi^{-}K_{S}K^{-}, D^{*0} \to D^{0}\gamma, K_{S} \to \pi^{+}\pi^{-}, K_{S} \to \pi^{+}\pi^{-}, D^{0} \to \pi^{+}\omega K^{-},$ $\omega \to \pi^{0}\pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+$	147	146	1	0	1	148

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
149	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\rho^{0}\pi^{+}D^{-}, \bar{B}^{0} \to \pi^{+}\pi^{-}\pi^{-}D^{+}, \rho^{0} \to \pi^{+}\pi^{-},$ $D^{-} \to \pi^{-}K_{1}^{'0}, D^{+} \to K_{S}a_{1}^{+}, K_{1}^{'0} \to \pi^{-}K^{*+}, K_{S} \to \pi^{+}\pi^{-}, a_{1}^{+} \to \pi^{0}\rho^{+},$ $K^{*+} \to \pi^{0}K^{+}, \rho^{+} \to \pi^{0}\pi^{+}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	148	147	1	0	1	149
150	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \tau^{+}\nu_{\tau}D_{0}^{*-}, \bar{B}^{0} \to \pi^{0}\omega K^{*}K^{-}D^{+}, \tau^{+} \to \mu^{+}\nu_{\mu}\bar{\nu}_{\tau},$ $D_{0}^{*-} \to \pi^{-}\bar{D}^{0}, \omega \to \pi^{0}\pi^{+}\pi^{-}, K^{*} \to \pi^{0}K^{0}, D^{+} \to \pi^{+}\pi^{+}K^{-}, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+},$ $K^{0} \to K_{L}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}\nu_{\tau}\bar{\nu}_{\tau}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	149	148	1	0	1	150
151	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}B^{0}, B^{0} \to e^{+}\nu_{e}\pi^{+}\pi^{-}D^{*-}, B^{0} \to e^{-}\bar{\nu}_{e}D^{*+}, D^{*-} \to \pi^{-}D^{0},$ $D^{*+} \to \pi^{0}D^{+}, \bar{D}^{0} \to \pi^{-}K^{+}, D^{+} \to \mu^{+}\nu_{\mu}\pi^{+}K^{-}$ $(e^{+}e^{-} \to e^{+}e^{-}\nu_{e}\bar{\nu}_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma)$	150	149	1	0	1	151
152	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{0}\bar{D}^{*-}\bar{\Sigma}^{0}\Sigma^{+}, \bar{B}^{0} \to \eta \bar{K}^{0}J/\psi, \rho^{0} \to \pi^{+}\pi^{-},$ $\bar{D}^{*-} \to \pi^{0}D^{-}, \bar{\Sigma}^{0} \to \bar{\Lambda}\gamma, \Sigma^{+} \to \pi^{+}n, \eta \to \pi^{0}\pi^{0}\pi^{0}, \bar{K}^{0} \to K_{L},$ $J/\psi \to \pi^{-}\eta K_{S}K^{+}, D^{-} \to \mu^{-}\bar{\nu}_{\mu}K^{0}, \bar{\Lambda} \to \pi^{+}\bar{p}, K_{L} \to e^{-}\nu_{e}\pi^{+}, \eta \to \pi^{0}\pi^{+}\pi^{-},$ $K_{S} \to \pi^{+}\pi^{-}, K^{0} \to K_{S}, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to e^{-}\nu_{e}\mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}n\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$ $e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{0}\rho^{0}\rho^{0}\rho^{+}\bar{D}^{*-}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D^{*+}, \rho^{0} \to \pi^{+}\pi^{-},$	151	150	1	0	1	152
153	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{0}\rho^{0}\rho^{0}\rho^{+}\bar{D}^{*-}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D^{*+}, \rho^{0} \to \pi^{+}\pi^{-},$ $\rho^{0} \to \pi^{+}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-}, \rho^{+} \to \pi^{0}\pi^{+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{*+} \to D^{+}\gamma,$ $\bar{D}^{0} \to \rho^{-}K^{*+}, D^{+} \to K_{S}K^{*+}, \rho^{-} \to \pi^{0}\pi^{-}, K^{*+} \to \pi^{0}K^{+}, K_{S} \to \pi^{+}\pi^{-},$ $K^{*+} \to \pi^{+}K^{0}, K^{0} \to K_{L}, K_{L} \to \mu^{-}\nu_{\mu}\pi^{+}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\mu^{-}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$ $e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to K^{*+}D^{-}, \bar{B}^{0} \to \pi^{+}K^{-}\chi_{c1}, K^{*+} \to \pi^{0}K^{+},$	152	151	1	0	1	153
154	$D^{-} \to \pi^{-} K_{1}^{'0}, \chi_{c1} \to \pi^{-} \eta \eta \bar{K}^{0} K^{+}, K_{1}^{'0} \to \pi^{-} K^{*+}, \eta \to \gamma \gamma, \eta \to \pi^{0} \pi^{0} \pi^{0}, \\ \bar{K}^{0} \to K_{S}, K^{*+} \to \pi^{0} K^{+}, K_{S} \to \pi^{+} \pi^{-} \\ (e^{+} e^{-} \to \pi^{+} \pi^{+} \pi^{-} \pi^{-} \pi^{-} \pi^{-} K^{+} K^{+} K^{-} \gamma \gamma \gamma \gamma \gamma \gamma \gamma \gamma \gamma)$	153	152	1	0	1	154
155	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to K^{*+}D^{-}D^{0}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D_{2}^{*+}, K^{*+} \to \pi^{0}K^{+},$ $D^{-} \to \pi^{0}\pi^{-}K_{S}, D^{0} \to \pi^{0}\pi^{0}\pi^{+}\pi^{-}, D_{2}^{*+} \to \pi^{+}D^{0}, K_{S} \to \pi^{+}\pi^{-}, D^{0} \to \pi^{0}\pi^{+}K^{*-},$ $K^{*-} \to \pi^{0}K^{-}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma$	154	153	1	0	1	155
156	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{+}D^{-}, \bar{B}^{0} \to \pi^{-}\pi^{-}\rho^{+}D^{*+}, \rho^{+} \to \pi^{0}\pi^{+},$ $D^{-} \to \rho^{-}K^{*}, \rho^{+} \to \pi^{0}\pi^{+}, D^{*+} \to \pi^{+}D^{0}, \rho^{-} \to \pi^{0}\pi^{-}, K^{*} \to \pi^{-}K^{+},$ $D^{0} \to \pi^{0}\pi^{0}\bar{K}^{*}, \bar{K}^{*} \to \pi^{+}K^{-}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	155	154	1	0	1	156
157	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to e^{+}\nu_{e}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{0}\rho^{0}\rho^{-}D^{*+}\gamma, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$ $\rho^{0} \to \pi^{+}\pi^{-}, \rho^{-} \to \pi^{0}\pi^{-}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, D^{0} \to e^{+}\nu_{e}\rho^{-},$ $\rho^{-} \to \pi^{0}\pi^{-}$ $(e^{+}e^{-} \to e^{+}e^{+}\nu_{e}\nu_{e}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	156	155	1	0	1	157

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
158	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}B^{0}, B^{0} \to \pi^{+}\bar{D}^{*-}, B^{0} \to \pi^{0}\rho^{0}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\eta\omega D^{-}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$ $\rho^{0} \to \pi^{+}\pi^{-}, \eta \to \pi^{0}\pi^{+}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{-}K^{+}, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}$ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	157	156	1	0	1	158
159	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{-}K^{0}D^{+}\bar{D}^{*0}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D^{+}, K^{0} \to K_{S},$ $D^{+} \to K_{S}a_{1}^{+}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, D^{+} \to \mu^{+}\nu_{\mu}\bar{K}^{*}, K_{S} \to \pi^{+}\pi^{-}, K_{S} \to \pi^{+}\pi^{-},$ $a_{1}^{+} \to \pi^{+}f_{0}(600), \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, \bar{K}^{*} \to \pi^{0}\bar{K}^{0}, \bar{K}^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}f_{0}(600)\gamma\gamma\gamma\gamma\gamma)$	158	157	1	0	1	159
160	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \mu^{+}\nu_{\mu}D_{1}^{-}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D^{*+}, D_{1}^{-} \to \pi^{-}\bar{D}^{*0},$ $D^{*+} \to \pi^{0}D^{+}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, D^{+} \to e^{+}\nu_{e}\pi^{0}, \bar{D}^{0} \to \pi^{0}K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}e^{-}\nu_{e}\bar{\nu}_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	159	158	1	0	1	160
161	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \bar{K}^{0}K^{+}D^{-}, \bar{B}^{0} \to \rho^{0}\pi^{-}D^{*+}, \bar{K}^{0} \to K_{L},$ $D^{-} \to K^{*}a_{1}^{-}, \rho^{0} \to \pi^{+}\pi^{-}, D^{*+} \to \pi^{+}D^{0}, K^{*} \to \pi^{-}K^{+}, a_{1}^{-} \to \pi^{-}f_{0}(600),$ $D^{0} \to \pi^{+}\omega K^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}f_{0}(600)\gamma\gamma)$	160	159	1	0	1	161
162	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to D^{*+}D_{s}^{-}, \bar{B}^{0} \to \pi^{0}\pi^{0}\pi^{-}\omega D^{+}, D^{*+} \to \pi^{+}D^{0},$ $D_{s}^{-} \to \mu^{-}\bar{\nu}_{\mu}\eta, \omega \to \pi^{+}\pi^{-}, D^{+} \to \mu^{+}\nu_{\mu}\bar{K}^{*}, D^{0} \to \pi^{0}\pi^{+}K^{-}, \eta \to \pi^{0}\pi^{0}\pi^{0},$ $\bar{K}^{*} \to \pi^{+}K^{-}$	161	160	1	0	1	162
163	$\frac{(e^{+}e^{-} \to \mu^{+}\mu^{-}\nu_{\mu}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)}{e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{+}\omega\bar{D}^{*-}, \bar{B}^{0} \to D^{*+}D_{s}^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{*+} \to \pi^{0}D^{+}, D_{s}^{-} \to \mu^{-}\bar{\nu}_{\mu}\eta', \bar{D}^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S}, D^{+} \to \pi^{+}\pi^{+}K^{-}, \eta' \to \rho^{0}\gamma, K_{S} \to \pi^{+}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-} $ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	162	161	1	0	1	163
164	$(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$ $e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\Sigma^{0}\bar{\Xi}^{0}_{c}, \bar{B}^{0} \to D^{+}D'^{-}_{s1}, \Sigma^{0} \to \Lambda\gamma,$ $\bar{\Xi}^{0}_{c} \to \pi^{-}K^{+}\bar{\Sigma}^{0}, D^{+} \to \mu^{+}\nu_{\mu}\bar{K}^{*}, D'^{-}_{s1} \to \pi^{0}D^{*-}_{s}, \Lambda \to \pi^{-}p, \bar{\Sigma}^{0} \to \bar{\Lambda}\gamma,$ $\bar{K}^{*} \to \pi^{+}K^{-}, D^{*-}_{s} \to D^{-}_{s}\gamma, \bar{\Lambda} \to \pi^{+}\bar{p}, D^{-}_{s} \to \rho^{-}\eta', \rho^{-} \to \pi^{0}\pi^{-},$ $\eta' \to \pi^{+}\pi^{-}\eta, \eta \to \gamma\gamma$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	163	162	1	0	1	164
165	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{0}\eta\omega\bar{D}^{*0}, \bar{B}^{0} \to \pi^{0}\rho^{-}\omega D^{*+}, \rho^{0} \to \pi^{+}\pi^{-}, $ $\eta \to \pi^{0}\pi^{+}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, \rho^{-} \to \pi^{0}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, $ $D^{*+} \to \pi^{+}D^{0}, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, D^{0} \to e^{+}\nu_{e}K^{*-}, K^{*-} \to \pi^{-}\bar{K}^{0}, \bar{K}^{0} \to K_{S}, $ $K_{S} \to \pi^{+}\pi^{-} $ $(e^{+}e^{-} \to e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	164	163	1	0	1	165
166	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \bar{D}^{*-}\bar{\Delta}^{-}\Delta^{0}, \bar{B}^{0} \to \rho^{-}D^{+}, \bar{D}^{*-} \to \pi^{0}D^{-},$ $\bar{\Delta}^{-} \to \pi^{+}\bar{n}, \Delta^{0} \to \pi^{0}n, \rho^{-} \to \pi^{0}\pi^{-}, D^{+} \to \mu^{+}\nu_{\mu}\pi^{+}K^{-}, D^{-} \to \mu^{-}\bar{\nu}_{\mu}K^{0},$ $K^{0} \to K_{L}$ $(e^{+}e^{-} \to \mu^{+}\mu^{-}\nu_{\mu}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{-}K^{-}n\bar{n}\gamma\gamma\gamma\gamma\gamma)$	165	164	1	0	1	166

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
167	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{-}p\bar{\Sigma}_{c}^{0}, \bar{B}^{0} \to \tau^{-}\bar{\nu}_{\tau}D^{*+}, \rho^{-} \to \pi^{0}\pi^{-},$ $\bar{\Sigma}_{c}^{0} \to \pi^{+}\bar{\Lambda}_{c}^{-}, \tau^{-} \to \nu_{\tau}\pi^{0}\pi^{-}, D^{*+} \to \pi^{+}D^{0}, \bar{\Lambda}_{c}^{-} \to \pi^{-}\eta\bar{\Lambda}, D^{0} \to K_{S}\phi,$ $\eta \to e^{+}e^{-}, \bar{\Lambda} \to \pi^{0}\bar{n}, K_{S} \to \pi^{+}\pi^{-}, \phi \to K^{+}K^{-}$ $(e^{+}e^{-} \to e^{+}e^{-}\nu_{\tau}\bar{\nu}_{\tau}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma)$	166	165	1	0	1	167
168	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to \pi^{+}K^{*-}J/\psi, \bar{B}^{0} \to \bar{K}^{0}\bar{D}^{*0}\bar{D}^{*0}, K^{*-} \to \pi^{-}\bar{K}^{0},$ $J/\psi \to K^{*}\bar{K}^{*}\gamma, \bar{K}^{0} \to K_{L}, D^{*0} \to D^{0}\gamma, \bar{D}^{*0} \to \bar{D}^{0}\gamma, \bar{K}^{0} \to K_{L},$ $K^{*} \to \pi^{-}K^{+}, \bar{K}^{*} \to \pi^{+}K^{-}, D^{0} \to \pi^{0}\pi^{+}K^{-}, \bar{D}^{0} \to \pi^{0}\pi^{+}\pi^{-}K^{*}, K^{*} \to \pi^{-}K^{+}$ $(e^{+}e^{-} \to K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	167	166	1	0	1	168
169	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{-}K^{*+}D^{0}\bar{D}^{*0}, \bar{B}^{0} \to \pi^{0}\pi^{+}\pi^{-}\pi^{-}D^{*+}, K^{*+} \to \pi^{+}K^{0},$ $D^{0} \to K^{-}a_{1}^{+}, \bar{D}^{*0} \to \pi^{0}\bar{D}^{0}, D^{*+} \to \pi^{+}D^{0}, K^{0} \to K_{S}, a_{1}^{+} \to \pi^{+}\pi^{+}\pi^{-},$ $\bar{D}^{0} \to \rho^{-}K^{*+}, D^{0} \to \pi^{+}K^{-}, K_{S} \to \pi^{+}\pi^{-}, \rho^{-} \to \pi^{0}\pi^{-}, K^{*+} \to \pi^{0}K^{+}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	168	167	1	0	1	169
170	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}B^{0}, B^{0} \to \mu^{+}\nu_{\mu}D^{-}, B^{0} \to \pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\eta K^{+}K^{+}D_{s}^{*-}, D^{-} \to \mu^{-}\bar{\nu}_{\mu}$ $\eta \to \pi^{0}\pi^{+}\pi^{-}, D_{s}^{*-} \to D_{s}^{-}\gamma, K^{0} \to K_{L}, D_{s}^{-} \to \pi^{0}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}$ $(e^{+}e^{-} \to \mu^{+}\mu^{-}\nu_{\mu}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}\gamma\gamma\gamma\gamma\gamma)$	$K^0,$	168	1	0	1	170
171	$e^{+}e^{-} \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^{0}B^{0}, B^{0} \rightarrow \pi^{0}\bar{K}^{0}D^{-}\Delta^{0}\bar{\Sigma}^{+}, B^{0} \rightarrow \pi^{0}\pi^{+}\pi^{+}\pi^{-}\rho^{-}\bar{D}^{0}, \bar{K}^{0} \rightarrow K_{L},$ $D^{-} \rightarrow \pi^{0}\pi^{-}K_{S}, \Delta^{0} \rightarrow \pi^{0}n, \bar{\Sigma}^{+} \rightarrow \pi^{+}\bar{n}, \rho^{-} \rightarrow \pi^{0}\pi^{-}, \bar{D}^{0} \rightarrow \pi^{-}\rho^{+},$ $K_{S} \rightarrow \pi^{0}\pi^{0}, \rho^{+} \rightarrow \pi^{0}\pi^{+}$ $(e^{+}e^{-} \rightarrow K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	170	169	1	0	1	171
172	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \mu^{+}\nu_{\mu}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{+}\rho^{-}\rho^{-}\omega\bar{D}^{*+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$ $\rho^{-} \to \pi^{0}\pi^{-}, \rho^{-} \to \pi^{0}\pi^{-}, \omega \to \pi^{0}\pi^{+}\pi^{-}, D^{*+} \to \pi^{0}D^{+}, \bar{D}^{0} \to \pi^{0}\pi^{+}\pi^{-}K_{S},$ $D^{+} \to K_{S}K^{*+}, K_{S} \to \pi^{+}\pi^{-}, K_{S} \to \pi^{0}\pi^{0}, K^{*+} \to \pi^{0}K^{+}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	171	170	1	0	1	172
173	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \bar{D}^{*-}D'^{+}_{s1}, \bar{B}^{0} \to \pi^{0}\pi^{+}\pi^{+}K^{-}D^{-}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$ $D'^{+}_{s1} \to \pi^{0}D^{*+}_{s}, D^{-} \to K_{S}K^{*-}, \bar{D}^{0} \to \omega K_{S}, D^{*+}_{s} \to D^{+}_{s}\gamma, K_{S} \to \pi^{0}\pi^{0},$ $K^{*-} \to \pi^{-}\bar{K}^{0}, \omega \to \pi^{0}\pi^{+}\pi^{-}, K_{S} \to \pi^{+}\pi^{-}, D^{+}_{s} \to \rho^{+}\phi, \bar{K}^{0} \to K_{S},$ $\rho^{+} \to \pi^{0}\pi^{+}, \phi \to K^{+}K^{-}, K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma$	172	171	1	0	1	173
174	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to K^{*}D^{-}D^{*+}, \bar{B}^{0} \to \rho^{0}\rho^{-}\eta D^{*+}, K^{*} \to \pi^{-}K^{+},$ $D^{-} \to \mu^{-}\bar{\nu}_{\mu}K^{0}, D^{*+} \to \pi^{+}D^{0}, \rho^{0} \to \pi^{+}\pi^{-}, \rho^{-} \to \pi^{0}\pi^{-}, \eta \to \pi^{0}\pi^{+}\pi^{-},$ $D^{*+} \to \pi^{+}D^{0}, K^{0} \to K_{S}, D^{0} \to K^{-}a_{1}^{+}, D^{0} \to \pi^{0}\rho^{+}K^{-}, K_{S} \to \pi^{+}\pi^{-},$ $a_{1}^{+} \to \pi^{0}\rho^{+}, \rho^{+} \to \pi^{0}\pi^{+}, \rho^{+} \to \pi^{0}\pi^{+}$ $(e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	173	172	1	0	1	174
175	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to \rho^{-}\omega D^{+}\gamma, \bar{B}^{0} \to \pi^{0}\pi^{0}\pi^{+}K^{0}K^{0}K^{-}K^{-}D^{*+}, \rho^{-} \to \pi^{0}\pi^{-},$ $\omega \to \pi^{0}\pi^{+}\pi^{-}, D^{+} \to \pi^{0}\pi^{+}\bar{K}^{*}, K^{0} \to K_{L}, K^{0} \to K_{L}, D^{*+} \to \pi^{+}D^{0},$ $\bar{K}^{*} \to \pi^{+}K^{-}, D^{0} \to \pi^{+}\pi^{+}\pi^{-}\pi^{-}$ $(e^{+}e^{-} \to K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}K^{-}Y\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	174	173	1	0	1	175

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
176	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \tau^{+}\nu_{\tau}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{0}\bar{n}\Sigma_{c}^{0}, \tau^{+} \to \bar{\nu}_{\tau}\pi^{0}\pi^{0}\pi^{+},$ $\bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, \Sigma_{c}^{0} \to \pi^{-}\Lambda_{c}^{+}, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, \Lambda_{c}^{+} \to \pi^{0}\pi^{+}K^{-}p$ $(e^{+}e^{-} \to \nu_{\tau}\bar{\nu}_{\tau}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	175	174	1	0	1	176
177	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{-}D^{-}\bar{\Delta}^{0}\Delta^{++}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D^{*+}, \rho^{-} \to \pi^{0}\pi^{-},$ $D^{-} \to K_{L}K_{L}K^{-}, \bar{\Delta}^{0} \to \pi^{0}\bar{n}, \Delta^{++} \to \pi^{+}p, D^{*+} \to \pi^{0}D^{+}, D^{+} \to K_{L}\pi^{+}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}K_{L}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{-}K^{-}\bar{n}p\gamma\gamma\gamma\gamma\gamma)$	176	175	1	0	1	177
178	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}D^{-}\bar{n}p, \bar{B}^{0} \to \pi^{0}\pi^{0}\pi^{0}\pi^{+}K^{*-}\bar{D}^{*0}, D^{-} \to K_{L}a_{1}^{-}, K^{*-} \to \pi^{0}K^{-}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, a_{1}^{-} \to \pi^{0}\rho^{-}, \bar{D}^{0} \to K_{L}K^{+}K^{-}, \rho^{-} \to \pi^{0}\pi^{-}, K_{L} \to \pi^{0}\pi^{0}\pi^{0}$ $(e^{+}e^{-} \to K_{L}\pi^{+}\pi^{-}K^{+}K^{-}K^{-}\bar{n}p\gamma$	177	176	1	0	1	178
179	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to \mu^{-}\bar{\nu}_{\mu}D^{*+}, \bar{B}^{0} \to D^{+}\Delta^{-}\bar{n}, D^{*+} \to \pi^{0}D^{+},$ $D^{+} \to \pi^{+}\pi^{+}K^{-}, \Delta^{-} \to \pi^{-}n, D^{+} \to e^{+}\nu_{e}\bar{K}^{*}, \bar{K}^{*} \to \pi^{+}K^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}\mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{-}K^{-}K^{-}n\bar{n}\gamma\gamma)$	178	177	1	0	1	179
180	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \mu^{+}\nu_{\mu}\bar{D}^{*-}, \bar{B}^{0} \to \pi^{0}\pi^{+}\bar{D}^{0}\bar{D}_{s}^{*-}, \bar{D}^{*-} \to \pi^{0}\bar{D}^{-},$ $D^{0} \to e^{+}\nu_{e}K^{*-}, D_{s}^{*-} \to D_{s}^{-}\gamma, D^{-} \to \pi^{0}\pi^{-}K_{S}, K^{*-} \to \pi^{-}\bar{K}^{0}, D_{s}^{-} \to \pi^{-}\eta,$ $K_{S} \to \pi^{+}\pi^{-}, \bar{K}^{0} \to K_{S}, \eta \to \gamma\gamma, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	179	178	1	0	1	180
181	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \mu^{+}\nu_{\mu}X_{u}^{-}, \bar{B}^{0} \to \bar{K}^{*}\bar{\Lambda}\Xi_{c}^{*0}, X_{u}^{-} \to \pi^{0}\rho^{-},$ $\bar{K}^{*} \to \pi^{+}K^{-}, \bar{\Lambda} \to \pi^{+}\bar{p}, \Xi_{c}^{*0} \to \Xi_{c}^{0}\gamma, \rho^{-} \to \pi^{0}\pi^{-}, \Xi_{c}^{0} \to \pi^{+}K^{*-}\Sigma^{0},$ $K^{*-} \to \pi^{-}\bar{K}^{0}, \Sigma^{0} \to \Lambda\gamma, \bar{K}^{0} \to K_{S}, \Lambda \to \pi^{-}p, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}p\bar{p}\gamma\gamma\gamma\gamma\gamma)$	180	179	1	0	1	181
182	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}B^{0}, B^{0} \to \pi^{0}\rho^{0}\pi^{+}\omega\bar{D}^{*-}, \bar{B}^{0} \to \pi^{+}\pi^{-}\rho^{-}D^{+}, \rho^{0} \to \pi^{+}\pi^{-}, \\ \omega \to \pi^{0}\pi^{+}\pi^{-}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, \rho^{-} \to \pi^{0}\pi^{-}, D^{+} \to \mu^{+}\nu_{\mu}\pi^{+}K^{-}, \bar{D}^{0} \to \pi^{-}\omega K^{+}, \\ \omega \to \pi^{0}\pi^{+}\pi^{-} \\ (e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	181	180	1	0	1	182
183	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to \bar{B}^{0}\bar{B}^{0}, \bar{B}^{0} \to D^{*+}D'_{s1}, \bar{B}^{0} \to \pi^{-}\eta D^{*+}, D^{*+} \to \pi^{0}D^{+},$ $D'_{s1}^{-} \to \pi^{0}D_{s}^{*-}, \eta \to \pi^{0}\pi^{0}\pi^{0}, D^{*+} \to \pi^{+}D^{0}, D^{+} \to e^{+}\nu_{e}\bar{K}^{*}, D_{s}^{*-} \to D_{s}^{-}\gamma,$ $D^{0} \to K_{L}\pi^{+}\pi^{-}, \bar{K}^{*} \to \pi^{+}K^{-}, D_{s}^{-} \to K^{*}K^{-}, K^{*} \to \pi^{0}K^{0}, K^{0} \to K_{S},$ $K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	182	181	1	0	1	183
184	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \mu^{+}\nu_{\mu}D_{1}^{\prime-}, \bar{B}^{0} \to \pi^{0}\pi^{+}\pi^{-}\rho^{-}D^{*+}, D_{1}^{\prime-} \to \pi^{0}\bar{D}^{*-},$ $\rho^{-} \to \pi^{0}\pi^{-}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{0} \to K_{S}\eta', \bar{D}^{0} \to \pi^{-}K^{+},$ $K_{S} \to \pi^{0}\pi^{0}, \eta' \to \pi^{0}\pi^{0}\eta, \eta \to \gamma\gamma$ $(e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma$	183	182	1	0	1	184
185	$e^{+}e^{-} \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow \overline{B^{0}}B^{0}, B^{0} \rightarrow \mu^{+}\nu_{\mu}\overline{D}^{*-}, B^{0} \rightarrow \pi^{0}\omega D^{-}\overline{\Delta}^{-}\Delta^{0}, \overline{D}^{*-} \rightarrow \pi^{-}\overline{D}^{0},$ $\omega \rightarrow \pi^{0}\pi^{+}\pi^{-}, D^{-} \rightarrow e^{-}\overline{\nu}_{e}K^{0}, \overline{\Delta}^{-} \rightarrow \pi^{+}\overline{n}, \Delta^{0} \rightarrow \pi^{0}n, \overline{D}^{0} \rightarrow \pi^{0}K_{S},$ $K^{0} \rightarrow K_{S}, K_{S} \rightarrow \pi^{0}\pi^{0}, K_{S} \rightarrow \pi^{0}\pi^{0}$ $(e^{+}e^{-} \rightarrow e^{-}\overline{\nu}_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{-}\pi^{-}n\overline{n}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	184	183	1	0	1	185

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
186	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to e^{+}\nu_{e}\bar{D}^{*-}, \bar{B}^{0} \to \omega\bar{K}^{0}K^{*}\bar{K}^{*}, \bar{D}^{*-} \to \pi^{0}D^{-},$ $\omega \to \pi^{0}\pi^{+}\pi^{-}, \bar{K}^{0} \to K_{L}, K^{*} \to \pi^{-}K^{+}, \bar{K}^{*} \to \pi^{0}\bar{K}^{0}, D^{-} \to \pi^{0}\pi^{-}K^{*},$ $\bar{K}^{0} \to K_{L}, K^{*} \to \pi^{-}K^{+}$ $(e^{+}e^{-} \to e^{+}\nu_{e}K_{L}K_{L}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	185	184	1	0	1	186
187	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \mu^{+}\nu_{\mu}D_{2}^{*-}, \bar{B}^{0} \to \mu^{-}\bar{\nu}_{\mu}D^{*+}, \bar{D}_{2}^{*-} \to \pi^{-}\bar{D}^{*0},$ $D^{*+} \to \pi^{0}D^{+}, \bar{D}^{*0} \to \bar{D}^{0}\gamma, D^{+} \to \mu^{+}\nu_{\mu}\bar{K}^{0}, \bar{D}^{0} \to \rho^{-}K^{*+}, \bar{K}^{0} \to K_{L},$ $\rho^{-} \to \pi^{0}\pi^{-}, K^{*+} \to \pi^{+}K^{0}, K^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to \mu^{+}\mu^{+}\mu^{-}\nu_{\mu}\nu_{\mu}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma)$	186	185	1	0	1	187
188	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{+}\pi^{-}\rho^{+}\rho^{-}\bar{D}^{0}, \bar{B}^{0} \to \mu^{-}\bar{\nu}_{\mu}D^{*+}, \rho^{+} \to \pi^{0}\pi^{+},$ $\rho^{-} \to \pi^{0}\pi^{-}, \bar{D}^{0} \to K^{+}a_{1}^{-}, D^{*+} \to \pi^{+}D^{0}, a_{1}^{-} \to \rho^{0}\pi^{-}, D^{0} \to e^{+}\nu_{e}\pi^{0}K^{-},$ $\rho^{0} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}\mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	187	186	1	0	1	188
189	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \bar{D}^{*-}D_{s1}^{\prime+}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}D_{2}^{*+}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0},$ $D_{s1}^{\prime+} \to \pi^{0}D_{s}^{*+}, D_{2}^{*+} \to \pi^{+}D^{*0}, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, D_{s}^{*+} \to D_{s}^{+}\gamma, D^{*0} \to \pi^{0}D^{0},$ $D_{s}^{+} \to \bar{K}^{*}K^{*+}, D^{0} \to K_{L}\eta', \bar{K}^{*} \to \pi^{+}K^{-}, K^{*+} \to \pi^{+}K^{0}, \eta' \to \pi^{+}\pi^{-}\eta,$ $K^{0} \to K_{L}, \eta \to \gamma\gamma$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	188	187	1	0	1	189
190	$e^{+}e^{-} \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^{0}\bar{B}^{0}, B^{0} \rightarrow \rho^{+}\eta\eta\bar{D}^{*-}, \bar{B}^{0} \rightarrow \pi^{0}\pi^{+}\eta K^{*-}, \rho^{+} \rightarrow \pi^{0}\pi^{+},$ $\eta \rightarrow \pi^{0}\pi^{0}\pi^{0}, \eta \rightarrow \pi^{0}\pi^{0}, \bar{D}^{*-} \rightarrow \pi^{-}\bar{D}^{0}, \eta \rightarrow \pi^{0}\pi^{0}\pi^{0}, K^{*-} \rightarrow \pi^{0}K^{-},$ $\bar{D}^{0} \rightarrow \pi^{+}\pi^{-}K^{*}, K^{*} \rightarrow \pi^{0}K^{0}, K^{0} \rightarrow K_{L}$ $(e^{+}e^{-} \rightarrow K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}\gamma$	189	188	1	0	1	190
191	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{+}\Delta^{+}\bar{\Sigma}_{c}^{*-}, \bar{B}^{0} \to \rho^{0}\pi^{-}\pi^{-}\rho^{+}\bar{K}^{*}D^{*+}, \Delta^{+} \to \pi^{0}p,$ $\bar{\Sigma}_{c}^{*} \to \pi^{-}\bar{\Lambda}_{c}^{-}, \rho^{0} \to \pi^{+}\pi^{-}, \rho^{+} \to \pi^{0}\pi^{+}, \bar{K}^{*} \to \pi^{0}\bar{K}^{0}, D^{*+} \to \pi^{+}D^{0},$ $\bar{\Lambda}_{c}^{-} \to K^{+}\bar{\Delta}^{++}, \bar{K}^{0} \to K_{L}, D^{0} \to e^{+}\nu_{e}\pi^{-}\bar{K}^{0}, \bar{\Delta}^{++} \to \pi^{-}\bar{p}, \bar{K}^{0} \to K_{S},$ $K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{+}\nu_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}p\bar{p}\gamma\gamma\gamma\gamma\gamma)$	190	189	1	0	1	191
192	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to e^{+}\nu_{e}D^{-}, \bar{B}^{0} \to \rho^{0}\rho^{-}D^{*+}, D^{-} \to e^{-}\bar{\nu}_{e}K^{0},$ $\rho^{0} \to \pi^{+}\pi^{-}, \rho^{-} \to \pi^{0}\pi^{-}, D^{*+} \to \pi^{+}D^{0}, K^{0} \to K_{L}, D^{0} \to \pi^{+}\eta K^{-},$ $\eta \to \pi^{0}\pi^{0}\pi^{0}$ $(e^{+}e^{-} \to e^{+}e^{-}\nu_{e}\bar{\nu}_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	191	190	1	0	1	192
193	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{+}\bar{D}^{*-}, \bar{B}^{0} \to \rho^{0}\pi^{-}K^{0}\bar{K}^{*}D^{+}, \rho^{+} \to \pi^{0}\pi^{+},$ $\bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, \rho^{0} \to \pi^{+}\pi^{-}, K^{0} \to K_{S}, \bar{K}^{*} \to \pi^{+}K^{-}, D^{+} \to K_{L}a_{1}^{+},$ $\bar{D}^{0} \to \pi^{0}K_{L}\eta, K_{S} \to \pi^{+}\pi^{-}, a_{1}^{+} \to \rho^{0}\pi^{+}, \eta \to \pi^{0}\pi^{+}\pi^{-}, \rho^{0} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma)$	192	191	1	0	1	193
194	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to e^{+}\nu_{e}D^{-}, \bar{B}^{0} \to K^{*-}D^{*+}\bar{D}^{0}, D^{-} \to K^{*}K^{-},$ $K^{*-} \to \pi^{-}\bar{K}^{0}, D^{*+} \to \pi^{+}D^{0}, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, K^{*} \to \pi^{-}K^{+}, \bar{K}^{0} \to K_{L},$ $D^{0} \to \pi^{+}\pi^{-}, K_{L} \to \pi^{0}\pi^{0}\pi^{0}$ $(e^{+}e^{-} \to e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	193	192	1	0	1	194

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
195	$e^{+}e^{-} \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^{0}\bar{B}^{0}, B^{0} \rightarrow J/\psi K_{1}^{0}, \bar{B}^{0} \rightarrow \pi^{0}D^{+}D_{s}^{*-}, J/\psi \rightarrow \pi^{0}\eta\eta,$ $K_{1}^{0} \rightarrow \pi^{+}\pi^{-}K^{0}, D^{+} \rightarrow e^{+}\nu_{e}\bar{K}^{0}, D_{s}^{*-} \rightarrow D_{s}^{-}\gamma, \eta \rightarrow \gamma\gamma, \eta \rightarrow \gamma\gamma,$ $K^{0} \rightarrow K_{S}, \bar{K}^{0} \rightarrow K_{S}, D_{s}^{-} \rightarrow \rho^{-}\eta, K_{S} \rightarrow \pi^{0}\pi^{0}, K_{S} \rightarrow \pi^{+}\pi^{-},$ $\rho^{-} \rightarrow \pi^{0}\pi^{-}, \eta \rightarrow \pi^{0}\pi^{0}\pi^{0}$ $(e^{+}e^{-} \rightarrow e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$ $e^{+}e^{-} \rightarrow \Upsilon(4S), \Upsilon(4S) \rightarrow B^{0}B^{0}, B^{0} \rightarrow K^{*}D^{+}D^{-}, B^{0} \rightarrow D^{*-}\Delta^{-}\Delta^{0}, K^{*} \rightarrow \pi^{0}K^{0},$	194	193	1	0	1	195
196	$D^{+} \to \pi^{+} \bar{K}'_{1}{}^{0}, D^{-} \to e^{-} \bar{\nu}_{e} K_{2}^{*0}, \bar{D}^{*-} \to \pi^{-} \bar{D}^{0}, \bar{\Delta}^{-} \to \pi^{+} \bar{n}, \Delta^{0} \to \pi^{0} n,$ $K^{0} \to K_{L}, \bar{K}'_{1}{}^{0} \to \pi^{+} K^{*-}, K_{2}^{*0} \to \pi^{0} K^{0}, \bar{D}^{0} \to e^{-} \bar{\nu}_{e} \pi^{+} K^{0}, K^{*-} \to \pi^{0} K^{-},$ $K^{0} \to K_{S}, K^{0} \to K_{L}, K_{S} \to \pi^{+} \pi^{-}$ $(e^{+} e^{-} \to e^{-} e^{-} \bar{\nu}_{e} \bar{\nu}_{e} K_{L} K_{L} \pi^{+} \pi^{+} \pi^{+} \pi^{+} \pi^{-} \pi^{-} K^{-} n \bar{n} \gamma \gamma \gamma \gamma \gamma \gamma)$	195	194	1	0	1	196
197	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{0}\pi^{-}\eta\bar{D}^{*0}D_{s}^{*+}, \bar{B}^{0} \to D^{*0}\Delta^{0}\bar{\Delta}^{0}, \eta \to \gamma\gamma,$ $\bar{D}^{*0} \to \bar{D}^{0}\gamma, D_{s}^{*+} \to D_{s}^{+}\gamma, D^{*0} \to \pi^{0}D^{0}, \Delta^{0} \to \pi^{0}n, \bar{\Delta}^{0} \to \pi^{0}\bar{n},$ $\bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, D_{s}^{+} \to \mu^{+}\nu_{\mu}, D^{0} \to e^{+}\nu_{e}\pi^{-}\bar{K}^{0}, \pi^{0} \to e^{+}e^{-}, \bar{K}^{0} \to K_{S},$ $K_{S} \to \pi^{0}\pi^{0}$ $(e^{+}e^{-} \to e^{+}e^{+}e^{-}\nu_{e}\mu^{+}\nu_{\mu}\pi^{-}\pi^{-}\pi^{-}K^{+}n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	196	195	1	0	1	197
198	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \rho^{0}\pi^{+}\omega\bar{D}^{*-}, \bar{B}^{0} \to D^{0}n\bar{n}, \rho^{0} \to \pi^{+}\pi^{-}, \\ \omega \to \pi^{0}\pi^{+}\pi^{-}, \bar{D}^{*-} \to \pi^{-}\bar{D}^{0}, D^{0} \to K_{L}\eta, \bar{D}^{0} \to \pi^{0}\pi^{-}K^{+}, \eta \to \gamma\gamma \\ (e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma)$	197	196	1	0	1	198
199	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}B^{0}, B^{0} \to \mu^{+}\nu_{\mu}\bar{D}^{*-}, B^{0} \to \rho^{0}\pi^{+}\pi^{-}\rho^{+}\omega\bar{D}^{*-}, \bar{D}^{*-} \to \pi^{0}D^{-},$ $\rho^{0} \to \pi^{+}\pi^{-}, \rho^{+} \to \pi^{0}\pi^{+}, \omega \to \pi^{0}\pi^{+}\pi^{-}, \bar{D}^{*-} \to \pi^{0}D^{-}, D^{-} \to e^{-}\bar{\nu}_{e}\pi^{-}K^{+},$ $D^{-} \to \pi^{0}\pi^{-}K^{*}, K^{*} \to \pi^{-}K^{+}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	198	197	1	0	1	199
200	$e^{+}e^{-} \to \Upsilon(4S), \Upsilon(4S) \to B^{0}\bar{B}^{0}, B^{0} \to \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}D^{-}, \bar{B}^{0} \to e^{-}\bar{\nu}_{e}\pi^{+}D^{0}, D^{-} \to \mu^{-}\bar{\nu}_{\mu}K_{1}^{0},$ $D^{0} \to \pi^{+}\pi^{-}K_{S}, K_{1}^{0} \to \pi^{+}\pi^{-}K^{0}, K_{S} \to \pi^{+}\pi^{-}, K^{0} \to K_{S}, K_{S} \to \pi^{+}\pi^{-}$ $(e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-})$	199	198	1	0	1	200

Table 2: Event initial-final states.

index	event initial-final states.	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
1	$e^{+}e^{-} \to K_L K_L \pi^{+} \pi^{+} \pi^{+} \pi^{+} \pi^{+} \pi^{-} \pi^{-} \pi^{-} \pi^{-} \pi^{-} \pi^{-} K^{+} \gamma \gamma$	46	1	1	2	2
2	$e^{+}e^{-}  ightarrow e^{+}e^{-}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma$	1	1	0	1	3
3	$e^+e^- \to e^+\nu_e K_L K_L \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma$	2	1	0	1	4
4	$e^+e^- o e^+e^+e^- u_e\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma$	3	1	0	1	5
5	$e^+e^- \to e^+\nu_e K_L \pi^+\pi^+\pi^-\pi^- \pi^- K^+ K^- \gamma \gamma$	4	1	0	1	6
6	$e^{+}e^{-} \rightarrow e^{+}e^{+}\nu_{e}\nu_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma$	5	1	0	1	7
7	$e^+e^- \to \mu^- \bar{\nu}_\mu \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- K^+ K^+ K^- \gamma \gamma$	6	1	0	1	8
8	$e^{+}e^{-} \to e^{+}\nu_{e}\nu_{\tau}\bar{\nu}_{\tau}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma$	7	1	0	1	9
9	$e^+e^- \to \mu^- \bar{\nu}_\mu K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \gamma \gamma$	8	1	0	1	10
10	$e^+e^- ightarrow \mu^+ u_\mu K_L\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	9	1	0	1	11
11	$e^+e^- \to \mu^+\mu^+\nu_\mu\nu_\mu K_L K_L \pi^+\pi^-\pi^-\pi^- K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma$	10	1	0	1	12
12	$e^+e^- \rightarrow e^+e^-\mu^-\bar{\nu}_\mu\nu_\tau\bar{\nu}_\tau\pi^+\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	11	1	0	1	13
13	$e^{+}e^{-} \rightarrow \mu^{+}\nu_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma$	12	1	0	1	14
14	$e^{+}e^{-} \rightarrow \mu^{-}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}\gamma$	13	1	0	1	15
15	$e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma$	14	1	0	1	16
16	$e^{+}e^{-} \rightarrow e^{-}\bar{\nu}_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma$	15	1	0	1	17
17	$e^{+}e^{-} \to e^{+}\nu_{e}\mu^{-}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma$	16	1	0	1	18
18	$e^{+}e^{-} \rightarrow \mu^{+}\nu_{\mu}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}K^{-}\gamma$	17	1	0	1	19
19	$e^{+}e^{-} \rightarrow e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma$	18	1	0	1	20
20	$e^+e^- \to \mu^+\nu_\mu K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma$	19	1	0	1	21
21	$e^+e^- \to \mu^- \bar{\nu}_\mu K_L K_L \pi^+ K^+ K^- \gamma \gamma \gamma \gamma \gamma \gamma$	20	1	0	1	22
22	$e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}f_{0}(600)\gamma$	21	1	0	1	23
23	$e^+e^- \rightarrow \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^-\gamma$	22	1	0	1	24
24	$e^{+}e^{-} \rightarrow K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{+}\gamma$	23	1	0	1	25
25	$e^{+}e^{-} \to e^{+}e^{+}e^{-}\nu_{e}\mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+$	24	1	0	1	26
26	$e^{+}e^{-} \to e^{+}\nu_{e}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	25	1	0	1	27
27	$e^{+}e^{-} \rightarrow e^{+}\nu_{e}\mu^{+}\nu_{\mu}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}\gamma\gamma$	26	1	0	1	28
28	$e^{+}e^{-} \to \mu^{+}\mu^{-}\nu_{\mu}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma$	27	1	0	1	29
29	$e^+e^- \to e^+\nu_e\nu_\tau\bar{\nu}_\tau\bar{K}_L\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma$	28	1	0	1	30
30	$e^+e^- \to K_L K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \gamma \gamma$	29	1	_	1	31
31	$e^{+}e^{-} \rightarrow \mu^{+}\mu^{-}\nu_{\mu}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma$	30	1		1	32
32	$e^{+}e^{-} \rightarrow e^{+}e^{+}e^{-}\nu_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-$	31	1	0	1	33
33	$e^{+}e^{-} \rightarrow \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma$	32	1	0	1	34
34	$e^+e^-  o \mu^-ar{ u}_\mu u_ auar{ u}_ au K_L\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	33	1	0	1	35
35	$e^+e^- \to \mu^-\bar{\nu}_\mu K_L \pi^+\pi^+\pi^- K^+ K^- K^-\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma$	34	1	0	1	36
36	$e^{+}e^{-} \to e^{-}\bar{\nu}_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}n\bar{p}\gamma\gamma$	35	1	0	1	37
37	$e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma$	36	1	0	1	38
38	$e^+e^- ightarrow K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-par p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	37	1	_	1	39
39	$e^+e^- \to e^+\nu_e\mu^+\nu_\mu K_L\pi^+\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	38	1	0	1	40
40	$e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	39	1	_	1	41

index	event initial-final states	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
41	$e^+e^- \to \mu^-\mu^-\bar{\nu}_\mu\bar{\nu}_\mu\pi^+\pi^+\pi^+K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	40	1	0	1	42
42	$e^+e^- \rightarrow \mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma$	41	1	0	1	43
43	$e^+e^- \to \mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^-K^-n\bar{p}\gamma$	42	1	0	1	44
44	$e^{+}e^{-} \rightarrow e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}\gamma$	43	1	0	1	45
45	$e^{+}e^{-} \to \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-$	44	1	0	1	46
46	$e^{+}e^{-} \rightarrow e^{+}e^{-}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}\gamma$	45	1	0	1	47
47	$e^{+}e^{-} \rightarrow e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma$	0	1	0	1	48
48	$e^{+}e^{-} \to \mu^{-}\mu^{-}\bar{\nu}_{\mu}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma$	47	1	0	1	49
49	$e^+e^- \to e^+ \nu_e \mu^- \mu^- \bar{\nu}_\mu \bar{\nu}_\mu K_L \pi^+ \pi^+ \pi^- \gamma \gamma$	48	1	0	1	50
50	$e^+e^- \to e^+e^-\mu^-\bar{\nu}_\mu K_L \pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^-\gamma$	49	1	0	1	51
51	$e^{+}e^{-} \rightarrow e^{+}\nu_{e}\mu^{-}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}f_{0}(600)\gamma\gamma$	50	1	0	1	52
52	$e^+e^- \rightarrow e^-\bar{\nu}_e K_L \pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma$	51	1	0	1	53
53	$e^{+}e^{-} \to e^{+}\nu_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma$	52	1	0	1	54
54	$e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma$	53	1	0	1	55
55	$e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma$	54	1	0	1	56
56	$e^+e^- \to \mu^+\mu^-\nu_\mu\nu_\mu K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-K^-n\bar{p}\gamma$	55	1	0	1	57
57	$e^+e^- \to e^+\nu_e K_L \pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\bar{n}p\gamma$	56	1	0	1	58
58	$e^{+}e^{-} \to \mu^{+}\mu^{-}\nu_{\mu}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma$	57	1		1	59
59	$e^+e^- \to \mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-K^-n\bar{p}\gamma$	58	1	0	1	60
60	$e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-$	59	1	0	1	61
61	$e^{+}e^{-} \rightarrow e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma$	60	1	0	1	62
62	$e^{+}e^{-} \to e^{+}\nu_{e}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}f_{0}(600)\gamma\gamma\gamma\gamma$	61	1	0	1	63
63	$e^{+}e^{-} \rightarrow e^{-}\bar{\nu}_{e}\mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}p\bar{p}\gamma\gamma\gamma\gamma$	62	1	0	1	64
64	$e^{+}e^{-} \rightarrow e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma$	63	1	0	1	65
65	$e^{+}e^{-} \to e^{+}\nu_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+$	64	1	0	1	66
66	$e^{+}e^{-} \rightarrow e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}p\bar{p}\gamma$	65	1	0	1	67
67	$e^+e^- \to \mu^+\nu_\mu\nu_\tau\bar{\nu}_\tau\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma$	66	1	0	1	68
68	$e^+e^- \to K_L K_L \pi^+ \pi^+ \pi^- \pi^- \pi^- K^+ K^- \gamma \gamma$	67	1		1	69
69	$e^{+}e^{-} \rightarrow e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma$	68	1	0	1	70
70	$e^+e^- \to e^+\nu_e\pi^+\pi^+\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma$	69	1	0	1	71
71	$e^{+}e^{-} \rightarrow e^{+}\nu_{e}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma$	70	1	0	1	72
72	$e^+e^- \to e^-e^-\bar{\nu}_e\bar{\nu}_e\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-K^+K^-\gamma$	71	1	0	1	73
73	$e^+e^- \to \pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^+K^-n\bar{p}\gamma\gamma\gamma\gamma$	72	1	0	1	74
74	$e^{+}e^{-} \to e^{+}e^{-}\nu_{e}\bar{\nu}_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{-}\bar{n}pf_{0}(600)\gamma\gamma$	73	1	0	1	75
75	$e^{+}e^{-} \to \mu^{+}\nu_{\mu}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}K^{-}\gamma$	74	1	0	1	76
76	$e^{+}e^{-} \to \mu^{+}\nu_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}K^{-}\gamma$	75	1	0	1	77
77	$e^+e^- \to e^-\bar{\nu}_e\mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K_S\gamma$	76	1	0	1	78
78	$e^{+}e^{-} \rightarrow e^{+}e^{+}e^{-}\nu_{e}\nu_{e}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma$	77	1	0	1	79
79	$e^{+}e^{-} \rightarrow e^{+}\nu_{e}\mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma$	78	1	0	1	80
80	$e^{+}e^{-} \to \mu^{+}\nu_{\mu}\nu_{\tau}\bar{\nu}_{\tau}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma$	79	1	0	1	81

index	event initial-final states	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
81	$e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma$	80	1	0	1	82
82	$e^+e^- \rightarrow \mu^- \bar{\nu}_\mu \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^+ K^+ K^- \gamma \gamma$	81	1	0	1	83
83	$e^+e^- \rightarrow \pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	82	1	0	1	84
84	$e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\mu^{+}\nu_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma$	83	1	0	1	85
85	$e^+e^- \to e^-e^-\bar{\nu}_e\bar{\nu}_e\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^+K^-\bar{n}p\gamma$	84	1	0	1	86
86	$e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\mu^{-}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma$	85	1	0	1	87
87	$e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma$	86	1	0	1	88
88	$e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}p\bar{p}\gamma\gamma$	87	1	0	1	89
89	$e^+e^- \to \mu^+\nu_\mu\pi^+\pi^-\pi^-\pi^-\pi^-K^+\bar{n}pf_0(600)\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	88	1	0	1	90
90	$e^+e^- \to \mu^-\mu^-\bar{\nu}_\mu\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^-K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma$	89	1	0	1	91
91	$e^+e^- \rightarrow e^+e^+e^-e^-\pi^+\pi^+\pi^-K^+K^-n\bar{p}\gamma$	90	1	0	1	92
92	$e^+e^- \to \mu^+\mu^-\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^-f_0(600)\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	91	1	0	1	93
93	$e^+e^- \to K_L K_L \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^+ f_0(600) \gamma \gamma$	92	1	0	1	94
94	$e^{+}e^{-} \to e^{+}e^{-}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma$	93	1	0	1	95
95	$e^{+}e^{-} \rightarrow e^{+}e^{-}\nu_{e}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}f_{0}(600)\gamma\gamma$	94	1	_	1	96
96	$e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}n\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma$	95	1	0	1	97
97	$e^+e^- \rightarrow e^- \bar{\nu}_e \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- K^+ \gamma \gamma$	96	1	0	1	98
98	$e^+e^- \to K_L K_L \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- K^+ \gamma \gamma$	97	1	0	1	99
99	$e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{-}K^{-}\gamma$	98	1	0	1	100
100	$e^+e^- \rightarrow e^+e^+e^-\nu_e\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	99	1	0	1	101
101	$e^+e^- o e^-ar u_e\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	100	1	0	1	102
102	$e^+e^- \rightarrow \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma$	101	1		1	103
103	$e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	102	1	0	1	104
104	$e^+e^- \rightarrow e^-\bar{\nu}_e\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma$	103	1	0	1	105
105	$e^+e^- \to e^-\bar{\nu}_e K_L \pi^+ \pi^+ \pi^- \pi^- K^+ K^- \gamma \gamma$	104	1	0	1	106
106	$e^{+}e^{-} \rightarrow e^{+}e^{-}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma$	105	1		1	107
107	$e^+e^- \rightarrow e^+e^-\mu^-\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+\gamma$	106	1	0	1	108
108	$e^+e^- ightarrow\mu^-ar{ u}_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma$	107	1	0	1	109
109	$e^+e^- \to K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^- p\bar{p}\gamma$	108	1	0	1	110
110	$e^{+}e^{-} \rightarrow \mu^{-}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}p\bar{p}\gamma$	109	1	0	1	111
111	$e^{+}e^{-} \rightarrow e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma$	110	1	0	1	112
112	$e^{+}e^{-} \rightarrow e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}n\bar{n}\gamma\gamma\gamma\gamma\gamma$	111	1	0	1	113
113	$e^+e^- \to K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^+ K^- K^- \gamma \gamma$	112	1	0	1	114
114	$e^{+}e^{-} \to e^{-}\bar{\nu}_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	113	1	0	1	115
115	$e^+e^- \to \mu^-\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^-\gamma$	114	1	0	1	116
116	$e^{+}e^{-} \rightarrow e^{+}\nu_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma$	115	1	0	1	117
117	$e^{+}e^{-} \rightarrow e^{+}\nu_{e}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma$	116	1	0	1	118
118	$e^{+}e^{-} \rightarrow e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}\gamma$	117	1	0	1	119
119	$e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma\gamma$	118	1	0	1	120
120	$e^+e^- \to e^-\bar{\nu}_e\mu^-\bar{\nu}_\mu K_L\pi^+\pi^+\pi^+\pi^+\pi^-K^-\gamma\gamma\gamma\gamma$	119	1	0	1	121

index	event initial-final states	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
121	$e^{+}e^{-} \to \mu^{+}\nu_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma$	120	1	0	1	122
122	$e^+e^- \rightarrow e^-e^-\bar{\nu}_e\bar{\nu}_e\mu^+\nu_\mu\pi^+\pi^+\pi^-K^+K^-\gamma\gamma\gamma\gamma$	121	1	0	1	123
123	$e^+e^- \to e^- \bar{\nu}_e \nu_\tau \bar{\nu}_\tau K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \gamma \gamma$	122	1	0	1	124
124	$e^+e^- \to e^+e^-\mu^-\bar{\nu}_\mu K_L K_L \pi^+\pi^+\pi^-\pi^- K^+\gamma$	123	1	0	1	125
125	$e^+e^-  o e^+ u_e\mu^+\mu^- u_\muar{ u}_\mu\pi^+\pi^+\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	124	1	0	1	126
126	$e^+e^- \to e^+e^-\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma$	125	1	0	1	127
127	$e^{+}e^{-} \to e^{+}e^{-}e^{-}\nu_{e}\bar{\nu}_{e}\bar{\nu}_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}K^{-}K^{-}\gamma\gamma\gamma\gamma$	126	1	0	1	128
128	$e^{+}e^{-} \rightarrow e^{+}e^{-}\nu_{e}\bar{\nu}_{e}\nu_{\tau}\bar{\nu}_{\tau}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma$	127	1		1	129
129	$e^+e^- \to e^+e^-e^-\nu_e\nu_e\bar{\nu}_e\pi^+\pi^+\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	128	1	0	1	130
130	$e^+e^- \to K_L \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^+ \gamma \gamma$	129	1	0	1	131
131	$e^+e^- ightarrow e^+ u_e\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^-K^-\gamma\gamma\gamma\gamma$	130	1	0	1	132
132	$e^{+}e^{-} \rightarrow e^{+}e^{-}\nu_{e}\bar{\nu}_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{+}K^{-}\gamma\gamma\gamma$	131	1	0	1	133
133	$e^+e^-  o  u_ au \bar{ u}_ au K_L K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \gamma \gamma \gamma \gamma \gamma \gamma \gamma$	132	1	_	1	134
134	$e^{+}e^{-} \rightarrow \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	133	1	0	1	135
135	$e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}f_{0}(600)\gamma\gamma\gamma\gamma$	134	1	0	1	136
136	$e^{+}e^{-} \rightarrow e^{+}e^{-}K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+$	135	1	0	1	137
137	$e^+e^- \to \pi^+\pi^+\pi^-\pi^-K^+K^-n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	136	1	_	1	138
138	$e^+e^- \to e^+\nu_e K_L \pi^+\pi^+\pi^-\pi^-K^+K^-p\bar{p}\gamma\gamma\gamma\gamma$	137	1	0	1	139
139	$e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-$	138	1	0	1	140
140	$e^+e^- \to e^-\bar{\nu}_e\mu^+\nu_\mu\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma$	139	1	0	1	141
141	$e^{+}e^{-} \rightarrow \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	140	1	0	1	142
142	$e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}K^{-}n\bar{n}\gamma$	141	1	0	1	143
143	$e^{+}e^{-} \rightarrow \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	142	1	0	1	144
144	$e^{+}e^{-} \to e^{-}\bar{\nu}_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+$	143	1	0	1	145
145	$e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+$	144	1	0	1	146
146	$e^+e^- \to K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- K^- \gamma \gamma$	145	1	0	1	147
147	$e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+$	146	1	0	1	148
148	$e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma$	147	1	0	1	149
149	$e^{+}e^{-} \rightarrow \mu^{+}\nu_{\mu}\nu_{\tau}\bar{\nu}_{\tau}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	148	1	0	1	150
150	$e^{+}e^{-} \rightarrow e^{+}e^{-}\nu_{e}\bar{\nu}_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma\gamma$	149	1	0	1	151
151	$e^{+}e^{-} \rightarrow e^{-}\nu_{e}\mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}n\bar{p}\gamma$	150	1	0	1	152
152	$e^{+}e^{-} \rightarrow e^{-}\bar{\nu}_{e}\mu^{-}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	151	1	0	1	153
153	$e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}\gamma$	152	1	0	1	154
154	$e^{+}e^{-} \rightarrow e^{-}\bar{\nu}_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma$	153	1	0	1	155
155	$e^{+}e^{-} \rightarrow \pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma$	154	1		1	156
156	$e^{+}e^{-} \rightarrow e^{+}e^{+}\nu_{e}\nu_{e}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	155	1	0	1	157
157	$e^{+}e^{-} \to \mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-$	156	1	0	1	158
158	$e^{+}e^{-} \to e^{-}\bar{\nu}_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}f_{0}(600)\gamma\gamma\gamma\gamma\gamma\gamma$	157	1	0	1	159
159	$e^+e^- \to e^+e^-\nu_e\bar{\nu}_e\mu^+\nu_\mu\pi^+\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	158	1	0	1	160
160	$e^{+}e^{-} \to K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}K^{-}f_{0}(600)\gamma\gamma$	159	1	0	1	161

index	event initial-final states	iEvtIFSts	nEvts	nCcEvts	nTotEvts	nCmltEvts
161	$e^+e^- \to \mu^+\mu^-\nu_\mu\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-K^-K^-\gamma$	160	1	0	1	162
162	$e^+e^- \rightarrow \mu^- \bar{\nu}_\mu \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- K^- \gamma \gamma$	161	1	0	1	163
163	$e^{+}e^{-} \rightarrow \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}p\bar{p}\gamma$	162	1	0	1	164
164	$e^{+}e^{-} \rightarrow e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-$	163	1	0	1	165
165	$e^+e^- \to \mu^+\mu^-\nu_\mu\bar{\nu}_\mu K_L\pi^+\pi^+\pi^-K^-n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma$	164	1	0	1	166
166	$e^+e^- \rightarrow e^+e^-\nu_{\tau}\bar{\nu}_{\tau}\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma$	165	1	0	1	167
167	$e^+e^- \to K_L K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^+ K^+ K^- K^- \gamma \gamma \gamma \gamma \gamma \gamma \gamma$	166	1	_	1	168
168	$e^+e^- \rightarrow \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-K^-\gamma$	167	1	0	1	169
169	$e^{+}e^{-} \to \mu^{+}\mu^{-}\nu_{\mu}\bar{\nu}_{\mu}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{+}\gamma\gamma\gamma\gamma\gamma$	168	1	0	1	170
170	$e^+e^- \to K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- n \bar{n} \gamma \gamma$	169	1	_	1	171
171	$e^+e^- \to \mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma$	170	1	0	1	172
172	$e^+e^- \rightarrow \pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-K^-\gamma$	171	1	0	1	173
173	$e^+e^- \to \mu^-\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-K^-\gamma$	172	1	0	1	174
174	$e^+e^- \to K_L K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^- K^- K^- \gamma \gamma$	173	1	0	1	175
175	$e^+e^- \to \nu_{\tau}\bar{\nu}_{\tau}\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^-\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	174	1	0	1	176
176	$e^+e^- \to e^-\bar{\nu}_e K_L K_L K_L \pi^+ \pi^+ \pi^- K^- \bar{n} p \gamma \gamma \gamma \gamma \gamma \gamma$	175	1	0	1	177
177	$e^+e^- \to K_L \pi^+ \pi^- K^+ K^- K^- \bar{n} p \gamma $	176	1	0	1	178
178	$e^{+}e^{-} \to e^{+}\nu_{e}\mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}K^{-}K^{-}n\bar{n}\gamma\gamma$	177	1	0	1	179
179	$e^{+}e^{-} \rightarrow e^{+}\nu_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	178	1	0	1	180
180	$e^+e^- \rightarrow \mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^-p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma$	179	1	0	1	181
181	$e^{+}e^{-} \to \mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}K^{-}\gamma$	180	1	0	1	182
182	$e^+e^- \rightarrow e^+\nu_e K_L \pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^-K^-\gamma$	181	1	0	1	183
183	$e^+e^- \to \mu^+\nu_\mu\pi^+\pi^+\pi^-\pi^-\pi^-K^+\gamma$	182	1	0	1	184
184	$e^{+}e^{-} \rightarrow e^{-}\bar{\nu}_{e}\mu^{+}\nu_{\mu}\pi^{+}\pi^{+}\pi^{-}\pi^{-}n\bar{n}\gamma$	183	1	0	1	185
185	$e^+e^- \rightarrow e^+\nu_e K_L K_L \pi^+\pi^-\pi^-\pi^-K^+K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	184	1	0	1	186
186	$e^+e^- \to \mu^+\mu^+\mu^-\nu_\mu\nu_\mu\bar{\nu}_\mu K_L\pi^+\pi^+\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma$	185	1	0	1	187
187	$e^+e^- \rightarrow e^+\nu_e\mu^-\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma$	186	1	0	1	188
188	$e^+e^- \rightarrow e^-\bar{\nu}_e K_L K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- K^+ K^- \gamma \gamma$	187	1	0	1	189
189	$e^+e^- \to K_L \pi^+ \pi^+ \pi^+ \pi^- \pi^- K^- \gamma \gamma$	188	1	0	1	190
190	$e^{+}e^{-} \to e^{+}\nu_{e}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{+}p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma$	189	1	0	1	191
191	$e^+e^- \rightarrow e^+e^-\nu_e\bar{\nu}_e K_L\pi^+\pi^+\pi^+\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	190	1	0	1	192
192	$e^{+}e^{-} \to K_{L}K_{L}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}\pi^{-}K^{-}\gamma\gamma\gamma\gamma\gamma\gamma$	191	1	0	1	193
193	$e^+e^- \rightarrow e^+\nu_e\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	192	1	0	1	194
194	$e^{+}e^{-} \to e^{+}\nu_{e}\pi^{+}\pi^{+}\pi^{-}\pi^{-}\pi^{-}\gamma$	193	1	0	1	195
195	$e^+e^- \to e^-e^-\bar{\nu}_e\bar{\nu}_e K_L K_L \pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^- K^- n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	194	1	0	1	196
196	$e^{+}e^{-} \rightarrow e^{+}e^{+}e^{-}\nu_{e}\mu^{+}\nu_{\mu}\pi^{-}\pi^{-}\pi^{-}K^{+}n\bar{n}\gamma$	195	1	0	1	197
197	$e^+e^- \to K_L\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma$	196	1	0	1	198
198	$e^+e^- \to e^- \bar{\nu}_e \mu^+ \nu_\mu \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- K^+ K^+ \gamma \gamma$	197	1	0	1	199
199	$e^{+}e^{-} \rightarrow e^{-}\bar{\nu}_{e}\mu^{-}\bar{\nu}_{\mu}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+}\pi^{+$	198	1	0	1	200

Table 3: Event branches of  $\bar{B}^0$ .

index	event branch of $\bar{B}^0$	iEvtBrOfP1	nEtrs	nCcEtrs	nTotEtrs	nCmltEtrs
1	$\bar{B}^0 \rightarrow e^- \bar{\nu}_e D^{*+}$	10	16	9	25	25
2	$\bar{B}^0 \to \mu^- \bar{\nu}_\mu D^{*+}$	17	14	11	25	50
3	$\bar{B}^0 \rightarrow e^- \bar{\nu}_e D^+$	82	4	5	9	59
4	$\bar{B}^0 \to \pi^0 \pi^+ \pi^- \pi^- D^{*+}$	16	3	5	8	67
5	$\bar{B}^0 \to D^{*+} D_s^{*-}$	19	5	2	7	74
6	$\bar{B}^0  ightarrow  ho^- D^{+}$	27	3	3	6	80
7	$\bar{B}^0 \to \mu^- \bar{\nu}_\mu D^+$	44	3	3	6	86
8	$\bar{B}^0 \rightarrow \tau^- \bar{\nu}_\tau D^{*+}$	14	2	4	6	92
9	$\bar{B}^0 \to \rho^0 \pi^- D^{*+}$	63	4	1	5	97
10	$\bar{B}^0 \to e^- \bar{\nu}_e D_2^{*+}$	127	3	2	5	102
11	$\bar{B}^0 \to D^{*+} \bar{D_{s1}^{'-}}$	158	2	3	5	107
12	$\bar{B}^0 \to \pi^+ \pi^- \rho^- D^+$	46	3	1	4	111
13	$\bar{B}^0 \to D^{*+} a_1^-$	6	0	4	4	115
14	$\bar{B}^0  o D^{*+} \bar{D}_s^-$	71	3	1	4	119
15	$\bar{B}^0 \to \tau^- \bar{\nu}_{\tau} D_0^{*+}$	53	0	3	3	122
16	$\bar{B}^0 \to \pi^0 \pi^+ \pi^- \rho^- D^+$	60	2	1	3	125
17	$ar{B}^0  ightarrow \pi^- \eta D^{*+}$	25	2	1	3	128
18	$\bar{B}^0 \to \pi^0 \pi^- D^{*+}$	3	2	1	3	131
19	$\bar{B}^0  ightarrow  ho^0  ho^- D^{*+}$	76	1	2	3	134
20	$\bar{B}^0 \to e^- \bar{\nu}_e \eta D^+$	80	1	2	3	137
21	$\bar{B}^0 \to \pi^+ \pi^- D^+ D_s^-$	11	3	0	3	140
22	$\bar{B}^0  o \pi^+ D^0 D_s^-$	85	2	1	3	143
23	$\bar{B}^0 \to \rho^- D^{*+}$	106	2	1	3	146
24	$ar{B}^0  o \mu^- ar{ u}_\mu D_1^+$	45	1	2	3	149
25	$\bar{B}^0 \to \pi^+ K^{*-} J/\psi$	2	1	2	3	152
26	$\bar B^0  o \mu^- ar u_\mu D_1^{\prime+}$	159	1	2	3	155
27	$\bar{B}^0 \to \pi^- \omega D^{*+}$	66	1	1	2	157
28	$\bar{B}^0 \to \mu^- \bar{\nu}_\mu D_2^{*+}$	33	0	2	2	159
29	$\bar{B}^0 \to \pi^+ \bar{K}^* \bar{D}^{*-} D^0$	41	2	0	2	161
30	$\bar{B}^0 \to \pi^0 \pi^0 \rho^0 \pi^- D^{*+}$	0	0	2	2	163
31	$\bar{B}^0 \to \pi^+ \pi^+ \pi^- \pi^- \pi^- D^{*+}$	7	2	0	2	165
32	$\bar{B}^0 \to D^+ D_s^{*-}$	22	1	1	2	167
33	$\bar{B}^0 \to \pi^0 \pi^+ D^0 D_s^{*-}$	88	2	0	2	169
34	$\bar{B}^0 \to \mu^- \bar{\nu}_\mu D_0^{*+}$	102	1	1	2	171
35	$\bar{B}^0 \rightarrow \rho^0 \rho^- \eta D^{*+}$	105	2	0	2	173
36	$\bar{B}^0 \to D^+ D'^{s1}$	8	1	1	2	175
37	$\bar{B}^0 \to K^{*-}D^+$	108	1	1	2	177
38	$\bar{B}^0 \to K^{*-}D^{*+}\bar{D}^0$	112	1	1	2	179
39	$\bar{B}^0 \to \pi^0 \rho^- \omega \omega D^+$	115	0	2	2	181
40	$\bar{B}^0 \to K^- D^{*+} \bar{D}^{*0}$	116	2	0	2	183

index	event branch of $\bar{B}^0$	iEvtBrOfP1	nEtrs	nCcEtrs	nTotEtrs	nCmltEtrs
41	$\bar{B}^0  o \pi^0  ho^- \omega D^{*+}$	9	1	1	2	185
42	$\bar{B}^0 \rightarrow \pi^- \rho^+ \rho^- D^+$	134	2	0	2	187
43	$\bar{B}^0 \to \pi^- \pi^- \rho^+ D^{*+}$	142	2	0	2	189
44	$\bar{B}^0 \to \pi^- D^+$	61	2	0	2	191
45	$\bar{B}^0  o \bar{K}^* D^+ \bar{D}^{*-}$	31	0	2	2	193
46	$\bar{B}^0  o D_2^{*+} D_s^-$	168	2	0	2	195
47	$\bar{B}^0 \to \bar{K}^* D^+ D^-$	169	1	1	2	197
48	$\bar{B}^0 \to \pi^0 \rho^0 \pi^- D^+$	184	1	1	2	199
49	$\bar{B}^0 \to D^{*+} \Delta^- \bar{\Delta}^0$	211	0	2	2	201
50	$\bar{B}^0 \to \pi^+ K^- D^{*+} \bar{D}^{*-}$	49	0	1	1	202
51	$ar{B}^0  ightarrow  ho^0  ho^- \eta \omega D^+ \ ar{B}^0  ightarrow D^+ D^s$	50	1	0	1	203
52		51	0	1	1	204
53	$\bar{B}^0 \to \pi^0 \pi^0 \rho^0 \pi^+ \pi^- \pi^- D^+$	52	1	0	1	205
54	$\bar{B}^0 \to \pi^0 K^* K^- D^+$	13	1	0	1	206
55	$\bar{B}^0  o  ho^- \eta \omega D^{*+}$	54	0	1	1	207
56	$\bar{B}^0 \to D^{*+} \Delta^0 \bar{\Delta}^+$	55	0	1	1	208
57	$\bar{B}^0  o \bar{K}^* \chi_{c1}$	56	1	0	1	209
58	$ar{B}^0  o D^0 p ar{\Delta}^+$	57	0	1	1	210
59	$\bar{B}^0 \to e^- \bar{\nu}_e D_1^+$	58	1	0	1	211
60	$\bar{B}^0  o \eta D^+ p \bar{\Delta}^{++}$	59	1	0	1	212
61	$ar{B}^0  o \pi^+ \pi^- ar{K}^0 D^0 ar{D}^0$	23	0	1	1	213
62	$\bar{B}^0 \to \pi^0 \pi^+ \rho^- \rho^- D^+$	24	1	0	1	214
63	$\bar{B}^0 \to \pi^0 \pi^0 K^* K^{*-} D^+$	62	1	0	1	215
64	$\bar{B}^0 \to \pi^+ D^0 D_s^{*-}$	1	1	0	1	216
65	$\bar{B}^0 \to \rho^- D^{*+} \gamma$	64	1	0	1	217
66	$\bar{B}^0 \to \mu^- \bar{\nu}_\mu \pi^0 \pi^0 D^{*+}$	65	1	0	1	218
67	$\bar{B}^0 \to K^0 K^{*-} D^{*+}$	26	1	0	1	219
68	$\bar{B}^0 \to \pi^+ K^- \eta_c(2S)$	67	1	0	1	220
69	$\bar{B}^0 \to \pi^0 \pi^+ \pi^- D^+ \Sigma^- \bar{\Sigma}^0$	68	1	0	1	221
70	$\bar{B}^0  o \eta D^+ D_s^-$	69	0	1	1	222
71	$\bar{B}^0 \to \omega K^- D^{*+}$	70	0	1	1	223
72	$\bar{B}^0 \to \pi^0 \pi^- \eta \eta D^+$	15	0	1	1	224
73	$\bar{B}^0  o \eta D^{*+} D_s^-$	72	0	1	1	225
74	$\bar{B}^0 \to \pi^0 \pi^+ \rho^- K^0 K^- D^+$	73	0	1	1	226
75	$\bar{B}^0 \to \pi^0 \pi^+ \pi^- \pi^- \rho^+ \eta \eta K^0 K^- D^+$	74	0	1	1	227
76	$\bar{B}^{0} \to \pi^{0} \pi^{+} \pi^{-} \pi^{-} \rho^{+} \eta \eta K^{0} K^{-} D^{+}$ $\bar{B}^{0} \to \pi^{0} \rho^{0} \pi^{-} D^{*+}$	75	1	0	1	228
77	$B^0 \to \pi^- K^+ K^- D^{*+}$	28	1	0	1	229
78	$\bar{B}^0 \to \pi^+ K^- D^+ D^-$	77	1	0	1	230
79	$ar{B}^0  ightarrow  ho^0  ho^- D^+$	78	0	1	1	231
80	$\bar{B}^0 \to \pi^+ \pi^- \rho^- \eta D^+$	79	0	1	1	232

index	event branch of $\bar{B}^0$	iEvtBrOfP1	nEtrs	nCcEtrs	nTotEtrs	nCmltEtrs
81	$ar{B}^0  o \pi^0 \pi^0 \pi^- \eta D^{*+}$	29	0	1	1	233
82	$\bar{B}^0 \to \pi^0 \pi^- \pi^- \rho^+ D^+$	81	0	1	1	234
83	$\bar{B}^0 \to \pi^0 \pi^+ K^{*-} D^0 \bar{D}^{*0}$	30	1	0	1	235
84	$\bar{B}^0  o  ho^0 \pi^+ \pi^- \pi^- \omega D^+$	83	0	1	1	236
85	$\bar{B}^0  o  ho^+  ho^- D^{*0}$	84	1	0	1	237
86	$\bar{B}^0 \to K^{*-} D^{*+} \bar{D}^{*0}$	4	0	1	1	238
87	$\bar{B}^0 \to \pi^0 \rho^0 \rho^0 \rho^- D^+$	86	1	0	1	239
88	$ar{B}^0  ightarrow \pi^0 ar{\Delta}^+ \Xi_c^{*+}$	87	0	1	1	240
89	$\bar{B}^0 \to \pi^0 \eta \bar{K}^0 K^- D_s^+$	32	1	0	1	241
90	$\bar{B}^0 \to \pi^0 \bar{\Delta}^+ \Sigma_c^+$	89	1	0	1	242
91	$\bar{B}^0 \to  ho^0 \pi^+ \pi^- D^{*0}$	90	0	1	1	243
92	$\bar{B}^0 \to D^+ \Delta^0 \bar{\Delta}^+$	91	1	0	1	244
93	$ar{B}^0  ightarrow \pi^0  ho^0 \pi^+ \pi^- \eta \eta$	92	1	0	1	245
94	$\bar{B}^0 \to \pi^0 \pi^0 \pi^0 \rho^0 \rho^0 \pi^+ \pi^- \pi^- D^{*+}$	93	1	0	1	246
95	$ar{B}^0  ightarrow \pi^0 \pi^- \omega D^{*+}$	94	0	1	1	247
96	$\bar{B}^0 \to \pi^- \bar{K}^0 D^+ \bar{D}^{*0}$	95	1	0	1	248
97	$\bar{B}^0 \to \pi^+ \pi^+ \pi^- \pi^- \pi^- D^+ \Delta^+ \bar{\Delta}^+$	96	0	1	1	249
98	$\bar{B}^0  o \pi^+\pi^-\eta D^0$	97	0	1	1	250
99	$\bar{B}^0 \to \pi^- \pi^- \pi^- \rho^+ \rho^+ \omega D^{*+}$	98	1	0	1	251
100	$\bar{B}^0 \to \rho^0 \pi^- K^+ K^{*-} D^{*+}$	99	0	1	1	252
101	$ar{B}^0  o \pi^0 \pi^0  ho^0  ho^0 \pi^- D^+$	100	1	0	1	253
102	$\bar{B}^0 \to \pi^0 \pi^0 \pi^+ \pi^- \pi^- D^{*+} p \bar{p}$	101	1	0	1	254
103	$ar{B}^0  ightarrow \pi^0  ho^0  ho^- \eta D^+$	5	1	0	1	255
104	$\bar{B}^0 \to \pi^- \omega \omega D^{*+}$	103	0	1	1	256
105	$\bar{B}^0 \to \eta D^+ D_s^{*-}$	104	1	0	1	257
106	$\bar{B}^0 \to \pi^0 \pi^+ \pi^- \pi^- \rho^+ D^{*0}$	34	0	1	1	258
107	$\bar{B}^0 \to \pi^0 \bar{K}^* K^+ K^-$	35	1	0	1	259
108	$\bar{B}^0 \to \pi^+ K^- D^0 \bar{D}^0$	107	0	1	1	260
109	$\bar{B}^0 \to \pi^- \pi^- \omega \bar{K}^0 K^{*+} D^{*+}$	36	0	1	1	261
110	$\bar{B}^0 \to \pi^0 \pi^0 \pi^- \rho^+ \rho^- D^+$	109	0	1	1	262
111	$ar{B}^0  ightarrow ar{K}^* ar{n} \Sigma_c^{*0}$	110	0	1	1	263
112	$\bar{B}^0 \to \pi^-\pi^- D^{*+} \bar{n} \Delta^+$	111	1	0	1	264
113	$ar{B}^0  ightarrow \pi^0 \pi^0  ho^- \eta \omega D^{*+}$	37	1	0	1	265
114	$\bar{B}^0 \to D^{*+} D_{s0}^{*-}$	113	1	0	1	266
115	$\bar{B}^0 \to \pi^0 \pi^+ \pi^- \rho^+ \bar{D}^{*-} D^{*0}$	114	1	0	1	267
116	$\bar{B}^0 \to \bar{K}^* D^- D^{*+}$	38	0	1	1	268
117	$\bar{B}^0 \to \pi^+ \pi^- \rho^+ \omega K^{*-}$	39	0	1	1	269
118	$\bar{B}^0 \to \pi^0 \pi^+ \pi^- \rho^- \omega \bar{K}^0 D^{*+}$	117	1	0	1	270
119	$\bar{B}^0 \to \rho^0 \pi^+ \pi^- \rho^- \eta \eta D^{*+}$	118	0	1	1	271
120	$\bar{B}^0 \to \pi^0 \pi^- \omega K^0 \bar{K}^0 \bar{K}^* D^{*+}$	119	1	0	1	272

index	event branch of $\bar{B}^0$	iEvtBrOfP1	nEtrs	nCcEtrs	nTotEtrs	nCmltEtrs
121	$\bar{B}^0  ightarrow D^+ a_1^-$	120	0	1	1	273
122	$\bar{B}^0 \to \pi^+ \pi^- D^+ D_s^{*-}$	121	1	0	1	274
123	$\bar{B}^0 \to \rho^- \eta \omega D^+$	122	0	1	1	275
124	$\bar{B}^0 \to \pi^- \bar{K}^0 D^+$	123	0	1	1	276
125	$\bar{B}^0 \to \pi^0 \pi^- \rho^+ D^{*0}$	124	0	1	1	277
126	$\bar{B}^0  o \eta' D^- D^{*+}$	125	0	1	1	278
127	$\bar{B}^0 \to \omega D^{*+} n \bar{p}$	126	0	1	1	279
128	$\bar{B}^0 \to \pi^0 \rho^0 \pi^+ \rho^- \rho^- \eta D^+$	40	0	1	1	280
129	$\bar{B}^0  o  ho^0 \pi^- \eta D^+$	128	0	1	1	281
130	$\bar{B}^0 \to \pi^- \rho^+ K^0 K^{*-} D^+$	129	1	0	1	282
131	$\bar{B}^0 \to \rho^0 \bar{p} \Sigma_c^{*+}$ $\bar{B}^0 \to \pi^- \pi^- D^+ \bar{n} p$	130	0	1	1	283
132	$\bar{B}^0 \to \pi^- \pi^- D^+ \bar{n} p$	131	1	0	1	284
133	$\bar{B}^0 \to \pi^0 \pi^+ K^- \eta_c(2S)$	132	1	0	1	285
134	$ar{B}^0  ightarrow ar{K}^0 \psi'$	133	1	0	1	286
135	$ar{B}^0  ightarrow ar{K}^0 D^+ ar{D}^{*-}$	18	0	1	1	287
136	$\bar{B}^0 \to \pi^- K^0 D^+$	135	1	0	1	288
137	$\bar{B}^0 \to \rho^- \omega D^+$	136	0	1	1	289
138	$\bar{B}^0 \to \pi^0 \omega K^0 K^- D^+$	137	1	0	1	290
139	$\bar{B}^0 \to K^{*-} D^{*+}$	138	0	1	1	291
140	$\bar{B}^0 \to \pi^0 \pi^- D^{*+} \Delta^+ \bar{\Delta}^+$	139	1	0	1	292
141	$\bar{B}^0 \to D_2^{*+} D_s^{*-}$	140	0	1	1	293
142	$\bar{B}^0  ightarrow K_L \eta_c$	141	0	1	1	294
143	$\bar{B}^0 \to \bar{K}^0 D^0 \bar{D}^{*0}$	42	0	1	1	295
144	$\bar{B}^0 \to K^*K^-D^+$	143	1	0	1	296
145	$ar{B}^0  ightarrow \pi^0 \pi^-  ho^+ \eta D^0$	144	0	1	1	297
146	$ar{B}^0  ightarrow \pi^0 \pi^0 \eta \omega D^0$	145	0	1	1	298
147	$\bar{B}^0 \to \pi^0 \pi^0 \rho^0 \pi^- \pi^- \rho^+ D^{*+}$	146	1	0	1	299
148	$\bar{B}^0 \to \rho^0 \pi^- \rho^+ D^0$	147	1	0	1	300
149	$\bar{B}^0 \to \pi^0 \rho^0 \pi^+ \pi^- \pi^- \omega D^+$	148	0	1	1	301
150	$\bar{B}^0 \to \pi^+ D^{*0} D_s^-$	149	1	0	1	302
151	$\bar{B}^0 \to \rho^- K^+ K^- D^{*+}$	150	0	1	1	303
152	$ar{B}^0  ightarrow ar{K}^0 J/\psi$	151	0	1	1	304
153	$\bar{B}^0 \to \pi^0 \pi^0 \pi^- \rho^+ D^{*0}$	152	0	1	1	305
154	$\bar{B}^0  o  ho^- \eta \omega \omega D^{*+}$	153	1	0	1	306
155	$\bar{B}^0 \to \pi^+ \pi^- D^{*0}$	154	0	1	1	307
156	$\bar{B}^0 \to \bar{K}^0 \bar{\Sigma}^{*0} \Sigma_c^{*0}$	155	1	0	1	308
157	$\bar{B}^0 \to \rho^0 \pi^+ \bar{\Delta}^{++} \Lambda_c^+$	156	1	0	1	309
158	$\bar{B}^0  o D_s^{*+} \bar{\Delta}^+ \Lambda$	157	1	0	1	310
159	$\bar B^0  o \pi^0 \pi^- \omega D^+$	43	1	0	1	311
160	$\bar{B}^0 \to \pi^0 \pi^0 \pi^- D^{*+}$	12	0	1	1	312

index	event branch of $\bar{B}^0$	iEvtBrOfP1	nEtrs	nCcEtrs	nTotEtrs	nCmltEtrs
161	$ar{B}^0  o \pi^0 \pi^- \eta K^0 ar{K}^* D^+$	160	0	1	1	313
162	$\bar{B}^0 \to \rho^+ \eta K^0 K^- D^{*0}$	161	0	1	1	314
163	$\bar{B}^0 \to \pi^0 \pi^0 D^0$	162	0	1	1	315
164	$\bar{B}^0 \to \pi^0 \rho^0 \rho^- \omega D^+$	163	0	1	1	316
165	$\bar{B}^0 \to \bar{K}^0 D^{*+} \bar{D}^{*-}$	164	0	1	1	317
166	$\bar{B}^0  o \pi^+\pi^-\omega D^{*0}$	165	1	0	1	318
167	$\bar{B}^0 \to \pi^0 \omega K^{*-} D_s^+$	166	1	0	1	319
168	$\bar{B}^0 \to \pi^+ K^0 K^- D^{*0}$	167	0	1	1	320
169	$\bar{B}^0 \to \rho^0 K^0 K^{*-} D^+$	20	1	0	1	321
170	$\bar{B}^0 \to \rho^+ K^- J/\psi$	21	0	1	1	322
171	$\bar{B}^0 \to e^- \bar{\nu}_e D_1^{\prime +}$	170	0	1	1	323
172	$\bar{B}^0 \to \eta K^0 K^- D^{*+}$	171	0	1	1	324
173	$\bar{B}^0 \to \rho^- \eta D^+$	172	1	0	1	325
174	$\bar{B}^0  o  ho^0 \pi^- \omega D^+$	173	1	0	1	326
175	$\bar{B}^0 \to \pi^+ \pi^- \rho^- D^{*+}$	174	0	1	1	327
176	$\bar{B}^0 \to \pi^0 \omega K^- D_s^{*+}$	175	0	1	1	328
177	$\bar{B}^0 \to D_s^{*-} D_1^{\prime+}$	176	0	1	1	329
178	$\frac{B^0 \to \rho^0 \pi^+ \rho^- \rho^- \bar{K}^0 D^+}{B^0 \to \rho^0 \pi^+ \rho^- \rho^- \bar{K}^0 D^+}$	177	0	1	1	330
179	$\bar{B}^0  o \pi^0 \rho^0 \pi^- \eta \omega D^+$	178	1	0	1	331
180	$\bar{B}^0 \to \pi^0 \pi^0 K^- D_s^{*+}$	179	0	1	1	332
181	$ar{B}^0 o D^{*0}nar{n}$	180	1	0	1	333
182	$\bar{B}^0 \to K^- \bar{\Delta}^+ \Sigma_c^{*++}$	181	0	1	1	334
183	$\bar{B}^0 \to \rho^+ \rho^- \rho^- \eta D^{*+}$	182	0	1	1	335
184	$\bar{B}^0 \to \pi^0 \pi^+ \pi^+ \pi^- \pi^- \bar{K}^0 K^* K^+ K^{*-}$	183	1	0	1	336
185	$\bar{B}^0 \to \pi^+ \rho^- \rho^- D^+$	47	1	0	1	337
186	$\bar{B}^0 \to D^+ D_s^{*-} \gamma$	185	0	1	1	338
187	$\bar{B}^0 \to \rho^- \bar{n} \Sigma_c^+$	186	0	1	1	339
188	$\bar{B}^0  o \bar{K}^* K^- D^{*+}$	187	1	0	1	340
189	$\bar{B}^0 \to \pi^+ \pi^- \pi^- \omega D^{*+}$	188	0	1	1	341
190	$\bar{B}^0 \to \pi^- \bar{K}^0 K^* D^{*+}$	189	0	1	1	342
191	$\bar{B}^0 \to \pi^+ K^- D^- D^{*+}$	190	1	0	1	343
192	$\bar{B}^0  ightarrow  ho^- D_2^{*+}$	191	1	0	1	344
193	$ar{B}^0  ightarrow  ho^0 \pi^+ ar{K^{*-}} \eta_c$	192	1	0	1	345
194	$\bar{B}^0 \to \rho^0 \pi^- \pi^- \rho^+ D^+$	193	0	1	1	346
195	$\bar{B}^0 \to D_s^{*-} D_1^+$	194	1	0	1	347
196	$\bar{B}^0 \to \pi^+ \pi^- \pi^- D^+$	195	1	0	1	348
197	$\bar{B}^0  o \pi^0 \omega K^* K^- D^+$	196	1	0	1	349
198	$\bar{B}^0 \to e^- \bar{\nu}_e \pi^+ \pi^- D^{*+}$	197	0	1	1	350
199	$\bar{B}^0 \to \rho^0 D^{*+} \Sigma^0 \bar{\Sigma}^-$	198	0	1	1	351
200	$ar{B}^0  o \eta ar{K}^0 J/\psi$	199	1	0	1	352

index	event branch of $\bar{B}^0$	iEvtBrOfP1	nEtrs	nCcEtrs	nTotEtrs	nCmltEtrs
201	$\bar{B}^0 \to \rho^0 \rho^0 \rho^0 \rho^- D^{*+}$	200	0	1	1	353
202	$\bar{B}^0 \to \pi^+ K^- \chi_{c1}$	201	1	0	1	354
203	$\bar{B}^0 \to K^{*-} D^+ \bar{D}^0$	202	0	1	1	355
204	$\frac{\bar{B}^0 \to \pi^0 \rho^0 \rho^- D^{*+} \gamma}{\bar{B}^0 \to \pi^- D^{*+}}$	203	1	0	1	356
205		204	0	1	1	357
206	$\frac{\bar{B}^0 \to \pi^0 \rho^0 \pi^+ \pi^+ \pi^- \pi^- \pi^- \eta \omega D^+}{\bar{B}^0 \to \pi^+ \bar{K}^0 D^- D^{*0}}$	205	0	1	1	358
207		206	0	1	1	359
208	$\bar{B}^0  o K^0 K^- D^+$	207	0	1	1	360
209	$\bar{B}^0 \to \pi^0 \pi^0 \pi^- \omega D^+$	208	1	0	1	361
210	$ar{B}^0  o \pi^0 ar{\Sigma}^0 \Xi_c^0$	209	0	1	1	362
211	$\bar{B}^0 \to \rho^0 \eta \omega D^{*0}$	210	0	1	1	363
212	$ar{B}^0  ightarrow ar{K}_1^0 \gamma$	48	1	0	1	364
213	$ \begin{array}{c} \bar{B}^0 \to \bar{K}_1^0 \gamma \\ \bar{B}^0 \to \rho^+ \bar{p} \Sigma_c^0 \\ \bar{B}^0 \to \bar{K}^0 D^{*0} \bar{D}^{*0} \end{array} $	212	0	1	1	365
214	$ar{B}^0  o ar{K}^0 D^{*0} ar{D}^{*0}$	213	1	0	1	366
215	$\bar{B}^0 \to \pi^+ K^{*-} \bar{D}^0 D^{*0}$	214	0	1	1	367
216	$\bar{B}^0 \to \pi^+ \pi^+ \pi^+ \pi^- \pi^- \eta K^- K^- D_s^{*+}$	215	0	1	1	368
217	$ar{B}^0  ightarrow \pi^0 K^0 D^+ ar{\Delta}^0 \Sigma^-$	216	0	1	1	369
218	$\bar{B}^0 \to \pi^0 \pi^+ \pi^- \pi^- \rho^+ D^0$	217	0	1	1	370
219	$\bar{B}^0 \to \pi^+ \rho^- \rho^- \omega D^{*+}$	218	1	0	1	371
220	$\bar{B}^0 \to \pi^0 \pi^+ \pi^+ K^- D^-$	219	1	0	1	372
221	$\bar{B}^0 \to \rho^- \omega D^+ \gamma$	220	1	0	1	373
222	$\bar{B}^0 \to \pi^0 \pi^0 \pi^+ K^0 K^0 K^- K^- D^{*+}$	221	1	0	1	374
223	$ar{B}^0  o \pi^0 ar{n} \Sigma_c^0$	222	1	0	1	375
224	$\bar{B}^0  o  ho^+ D^+ \Delta^0 \bar{\Delta}^{++}$	223	0	1	1	376
225	$\bar{B}^{0} \to \pi^{0} D^{+} n \bar{p}$ $\bar{B}^{0} \to \pi^{0} \pi^{0} \pi^{0} \pi^{+} K^{*-} \bar{D}^{*0}$	224	0	1	1	377
226	$\bar{B}^0 \to \pi^0 \pi^0 \pi^0 \pi^+ K^{*-} \bar{D}^{*0}$	225	1	0	1	378
227	$\bar{B}^0 \to D^+ \Delta^- \bar{n}$	226	1	0	1	379
228	$ \bar{B}^0 \to \mu^- \bar{\nu}_\mu X_u^+  \bar{B}^0 \to \bar{K}^* \bar{\Lambda} \Xi_c^{*0} $	227	0	1	1	380
229		228	1	0	1	381
230	$ar{B}^0  ightarrow \pi^0  ho^0 \pi^- \omega D^{*+}$	229	0	1	1	382
231	$\bar{B}^0 \to \pi^0 \pi^+ \pi^- \rho^- D^{*+}$	230	1	0	1	383
232	$ar{B}^0  ightarrow \pi^0 \omega D^+ \Delta^- ar{\Delta}^0$	231	0	1	1	384
233	$\bar{B}^0  o \omega \bar{K}^0 K^* \bar{K}^*$	232	1	0	1	385
234	$\bar{B}^0 \to \pi^+ \pi^- \rho^+ \rho^- D^0$	233	0	1	1	386
235	$\bar{B}^0  o  ho^- \eta \eta D^{*+}$	234	0	1	1	387
236	$\bar{B}^0  o \pi^0 \pi^+ \eta K^{*-}$	235	1	0	1	388
237	$\bar{B}^0 \to \pi^- \bar{\Delta}^+ \Sigma_c^{*++}$	236	0	1	1	389
238	$\bar{B}^0 \to \rho^0 \pi^- \pi^- \rho^+ \bar{K}^* D^{*+}$	237	1	0	1	390
239	$\bar{B}^0 \to  ho^0 \pi^- K^0 \bar{K}^* D^+$	238	1	0	1	391
240	$ar{B^0}  ightarrow J/\psi ar{K}^0_1$	239	0	1	1	392

index	event branch of $\bar{B}^0$	iEvtBrOfP1	nEtrs	nCcEtrs	nTotEtrs	nCmltEtrs
241	$\bar{B}^0 \to \pi^0 D^+ D_s^{*-}$	240	1	0	1	393
242	$\bar{B}^0 \to \pi^0 \pi^+ \eta D^{*0} D_s^{*-}$	241	0	1	1	394
243	$\bar{B}^0 \to D^{*0} \Delta^0 \bar{\Delta}^0$	242	1	0	1	395
244	$ar{B}^0  ightarrow  ho^0 \pi^- \omega D^{*+}$	243	0	1	1	396
245	$ar{B}^0  o D^0 n ar{n}$	244	1	0	1	397
246	$\bar{B}^0 \to \rho^0 \pi^+ \pi^- \rho^- \omega D^{*+}$	245	0	1	1	398
247	$\bar{B}^0 \to \pi^+ \pi^+ \pi^- \pi^- \pi^- D^+$	246	0	1	1	399
248	$\bar{B}^0  o e^- \bar{ u}_e \pi^+ D^0$	247	1	0	1	400

Table 4: Event branches of  $D^0$ .

index	event branch of $D^0$	iEvtBrOfP2	nEtrs	nCcEtrs	nTotEtrs	nCmltEtrs
1	$D^0 \to \pi^0 \pi^+ K^-$	12	13	20	33	33
2	$D^0 \rightarrow \rho^+ K^{*-}$	0	9	10	19	52
3	$D^0 \to K^- a_1^+$	18	6	9	15	67
4	$D^0 \rightarrow \pi^+ K^-$	24	2	6	8	75
5	$D^0 \to \pi^+ \omega K^-$	25	3	5	8	83
6	$D^0 \to \pi^0 \pi^+ \pi^- K_S$	16	3	4	7	90
7	$D^0  o \mu^+ \nu_\mu K^-$	8	1	6	7	97
8	$D^0 \rightarrow \mu^+ \nu_\mu K^{*-}$	22	2	3	5	102
9	$D^0 \rightarrow e^+ \nu_e K^{*-}$	23	5	0	5	107
10	$D^0 \to \pi^0 \pi^+ \pi^- \bar{K}^*$	9	2	3	5	112
11	$D^0 \to \pi^+ \pi^- \bar{K}^*$	2	3	2	5	117
12	$D^0 \to e^+ \nu_e \pi^- \bar{K}^0$	34	2	3	5	122
13	$D^0 \to e^+ \nu_e K^-$	35	2	3	5	127
14	$D^0  o K_S \eta'$	10	2	2	4	131
15	$D^0  o \pi^+ \eta K^-$	17	2	2	4	135
16	$D^0 \to K_L \pi^+ \pi^-$	13	3	1	4	139
17	$D^0  o K_L \omega$	6	2	1	3	142
18	$D^0 \to \pi^0 \pi^0 \bar{K}^*$	31	3	0	3	145
19	$D^0  o \omega K_S$	7	0	3	3	148
20	$D^0 \to e^+ \nu_e \pi^0 K^-$	21	3	0	3	151
21	$D^0 \to \pi^+ \pi^- K_S$	38	2	1	3	154
22	$D^0 \to \pi^0 \pi^0 \pi^0 \pi^+ \pi^-$	26	1	1	2	156
23	$D^0 \to \rho^0 \pi^+ K^-$	27	1	1	2	158
24	$D^0 \to K_S K^+ K^-$	28	2	0	2	160
25	$D^0  o K_L \eta'$	30	1	1	2	162
26	$D^0  o \pi^0 \eta K_S$	3	2	0	2	164
27	$D^0 \to \pi^0 \pi^+ K^{*-}$	15	2	0	2	166
28	$D^0 \to \pi^0 K_L \pi^+ \pi^-$	19	0	2	2	168
29	$D^0 \to \pi^+ \pi^+ \pi^- K^-$	36	1	1	2	170
30	$D^0 \to e^+ \nu_e \rho^-$	37	1	1	2	172
31	$D^0 \to e^+ \nu_e \pi^-$	5	2	0	2	174
32	$D^0  o \pi^+ \rho^-$	39	0	2	2	176
33	$D^0 \to K_L K^+ K^-$	42	1	1	2	178
34	$D^0 \to \pi^+ K_S K^-$	43	0	2	2	180
35	$D^0 \to \pi^0 \pi^0 \pi^+ \pi^-$	46	2	0	2	182
36	$D^0 \to \pi^0 K_S$	47	0	2	2	184
37	$D^0 \to \pi^+ \pi^- K_S K_S$	14	0	1	1	185
38	$D^0 \to \mu^+ \nu_\mu \pi^-$	29	1	0	1	186
39	$D^0  o \pi^0  ho^0$	11	1	0	1	187
40	$D^0 \to \pi^0 K_L$	20	1	0	1	188

index	event branch of $D^0$	iEvtBrOfP2	nEtrs	nCcEtrs	nTotEtrs	nCmltEtrs
41	$D^0  o \pi^0 \bar{K}_1^0$	40	0	1	1	189
42	$D^0 \to \pi^- \rho^+$	41	1	0	1	190
43	$D^0  o \omega \bar{K}^*$	32	1	0	1	191
44	$D^0 \to \rho^0 \rho^0$	33	0	1	1	192
45	$D^0 \to K_L \pi^- K^+$	44	1	0	1	193
46	$D^0 \to \mu^+ \nu_\mu \pi^- \bar{K}^0$	45	1	0	1	194
47	$D^0  o \eta \eta'$	1	0	1	1	195
48	$D^0  o \pi^+ K^- \eta'$	4	0	1	1	196
49	$D^0 \to K_S \phi$	48	1	0	1	197
50	$D^0 \to \pi^0 \rho^+ K^-$	49	1	0	1	198
51	$D^0 \to \pi^+ \pi^+ \pi^- \pi^-$	50	1	0	1	199
52	$D^0 \to \pi^0 K_L \eta$	51	0	1	1	200
53	$D^0 \to \pi^+\pi^-$	52	1	0	1	201
54	$D^0  o K_L \eta$	53	1	0	1	202