Topology Analysis [*]
(v1.6.1)

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List of Tables

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

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
1	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \rho^0\pi^+\omega D^-, \bar{B}^0 \to \pi^0\pi^+\pi^-\pi^- D^{*+}, \rho^0 \to \pi^+\pi^-, \omega \to \pi^0\gamma, D^- \to \mu^-\bar{\nu}_\mu K^*,$ $D^{*+} \to \pi^+ D^0, K^* \to \pi^- K^+, D^0 \to K^- a_1^+, a_1^+ \to \rho^0\pi^+, \rho^0 \to \pi^+\pi^-$ $(\Upsilon(4S) \to \mu^-\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^- K^+ K^-\gamma\gamma\gamma\gamma\gamma)$	0	0	1	1
2	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to K^*\chi_{c0}, \bar{B}^0 \to D^{*+}D_s^-, K^* \to \pi^- K^+, \chi_{c0} \to \omega K^+ K^-, D^{*+} \to \pi^+ D^0,$ $D_s^- \to \pi^0\pi^-\bar{K}^*, \omega \to \pi^0\pi^+\pi^-, D^0 \to K_S K^+ K^-, \bar{K}^* \to \bar{K}^0\gamma, K_S \to \pi^+\pi^-, \bar{K}^0 \to K_L$ $(\Upsilon(4S) \to K_L\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^- K^+ K^+ K^+ K^-K^-\gamma\gamma\gamma\gamma\gamma)$	1	1	1	2
3	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to K^+\bar{D}^{*-}D^{*0}, \bar{B}^0 \to \mu^-\bar{\nu}_\mu D_0^{*+}, \bar{D}^{*-} \to \pi^0 D^-, D^{*0} \to \pi^0 D^0, D_0^{*+} \to \pi^0 D^+,$ $D^- \to e^-\bar{\nu}_e K^*, D^0 \to \pi^0\pi^+ K^-, D^+ \to K_L a_1^+, K^* \to \pi^- K^+, a_1^+ \to \rho^0\pi^+, \rho^0 \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^-\bar{\nu}_e\mu^-\bar{\nu}_\mu K_L\pi^+\pi^+\pi^+\pi^-\pi^- K^+ K^+ K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	2	2	1	3
4	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^+\pi^+\pi^-\bar{D}^{*-}, \bar{B}^0 \to D^{*+}D_s^{*-}, \bar{D}^{*-} \to \pi^0 D^-, D^{*+} \to \pi^+ D^0, D_s^{*-} \to D_s^-\gamma,$ $D^- \to K_L a_1^-, D^0 \to K^+ K^-, D_s^- \to \rho^-\eta', a_1^- \to \rho^0\pi^-, \rho^- \to \pi^0\pi^-, \eta' \to \pi^+\pi^-\eta,$ $\rho^0 \to \pi^+\pi^-, \eta \to \gamma\gamma$ $(\Upsilon(4S) \to K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^- K^+ K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	3	3	1	4
5	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to e^+\nu_e D^-, \bar{B}^0 \to \pi^0\pi^+\pi^-\pi^- D^{*+}, D^- \to e^-\bar{\nu}_e K^0, D^{*+} \to \pi^+ D^0, K^0 \to K_S,$ $D^0 \to e^+\nu_e K^{*-}, K_S \to \pi^+\pi^-, K^{*-} \to \pi^-\bar{K}^0, \bar{K}^0 \to K_L$ $(\Upsilon(4S) \to e^+e^+e^-\nu_e\nu_e\bar{\nu}_e K_L\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\gamma\gamma)$	4	4	1	5
6	$\Upsilon(4S) \to B^0 B^0, B^0 \to \pi^-\rho^+\bar{D}^{*0}, B^0 \to K^{*+}\bar{D}^{*-}D^{*0}, \rho^+ \to \pi^0\pi^+, \bar{D}^{*0} \to \pi^0\bar{D}^0, K^{*+} \to \pi^0 K^+,$ $\bar{D}^{*-} \to \pi^-\bar{D}^0, D^{*0} \to \pi^0 D^0, \bar{D}^0 \to e^-\bar{\nu}_e\pi^0 K^+, \bar{D}^0 \to e^-\bar{\nu}_e K^+, D^0 \to \pi^0\pi^0\pi^+\pi^-$ $(\Upsilon(4S) \to e^-e^-\bar{\nu}_e\bar{\nu}_e\pi^+\pi^+\pi^-\pi^-\pi^- K^+ K^+ K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	5	5	1	6
7	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^-\bar{D}^0 D_s^{*+}, \bar{B}^0 \to \pi^0\rho^0\pi^-\pi^-\rho^+ D^+, \bar{D}^0 \to \pi^+\pi^-\pi^- K^+, D_s^{*+} \to D_s^+\gamma, \rho^0 \to \pi^+\pi^-,$ $\rho^+ \to \pi^0\pi^+, D^+ \to \mu^+\nu_\mu\bar{K}^0, D_s^+ \to \mu^+\nu_\mu\phi, \bar{K}^0 \to K_S, \phi \to K_L K_S, K_S \to \pi^+\pi^-,$ $K_S \to \pi^0\pi^0$ $(\Upsilon(4S) \to \mu^+\mu^+\nu_\mu\nu_\mu K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^- K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	6	6	1	7
8	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \tau^+\nu_\tau D^-, \bar{B}^0 \to e^-\bar{\nu}_e D^{*+}, \tau^+ \to \bar{\nu}_\tau\pi^+\pi^+\pi^-, D^- \to \pi^0\pi^-\pi^- K^+, D^{*+} \to \pi^+ D^0,$ $D^0 \to \pi^0\pi^+ K^-$ $(\Upsilon(4S) \to e^-\bar{\nu}_e\nu_\tau\bar{\nu}_\tau\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^- K^+ K^-\gamma\gamma\gamma\gamma)$	7	7	1	8
9	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^-\rho^+\eta p\bar{\Lambda}_c^-, \bar{B}^0 \to e^-\bar{\nu}_e\pi^0 D^+, \rho^+ \to \pi^0\pi^+, \eta \to \pi^0\pi^+\pi^-, \bar{\Lambda}_c^- \to \pi^-\eta'\bar{n},$ $D^+ \to \mu^+\nu_\mu\pi^+ K^-, \eta' \to \pi^0\pi^0\eta, \eta \to \gamma\gamma$ $(\Upsilon(4S) \to e^-\bar{\nu}_e\mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^-\pi^-\pi^- K^-\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	8	8	1	9
10	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \mu^+\nu_\mu D_1^-, \bar{B}^0 \to \rho^- D_2^{*+}, D_1^- \to \pi^-\bar{D}^{*0}, \rho^- \to \pi^0\pi^-, D_2^{*+} \to \pi^+ D^{*0},$ $\bar{D}^{*0} \to \bar{D}^0\gamma, D^{*0} \to \pi^0 D^0, \bar{D}^0 \to \pi^0\pi^- K^+, D^0 \to K_S K_S K_S, K_S \to \pi^0\pi^0, K_S \to \pi^+\pi^-,$ $K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to \mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^- K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	9	9	1	10

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index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
11	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^+\pi^-\rho^+\eta D^-, \bar{B}^0 \to \pi^-\rho^+\rho^-D^+, \rho^+ \to \pi^0\pi^+, \eta \to \gamma\gamma, D^- \to \pi^0 K_L\pi^-,$ $\rho^+ \to \pi^0\pi^+, \rho^- \to \pi^0\pi^-, D^+ \to e^+\nu_e\pi^+K^-$ $(\Upsilon(4S) \to e^+\nu_e K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	10	10	1	11
12	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^+\Sigma^-\bar{\Xi}_c^{*0}, \bar{B}^0 \to \pi^-\bar{\Delta}^+\Sigma_c^{++}, \Sigma^- \to \pi^-n, \bar{\Xi}_c^{*0} \to \bar{\Xi}_c^0\gamma, \bar{\Delta}^+ \to \pi^-\bar{n},$ $\Sigma_c^{++} \to \pi^+\Lambda_c^+, \bar{\Xi}_c^0 \to \rho^-\bar{\Xi}^+, \Lambda_c^+ \to \pi^0\pi^+\pi^-\Sigma^+, \rho^- \to \pi^0\pi^-, \bar{\Xi}^+ \to \pi^+\bar{\Lambda}, \Sigma^+ \to \pi^0 p,$ $\bar{\Lambda} \to \pi^0\bar{n}$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-n\bar{n}\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	11	11	1	12
13	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to K^0 D^{*0}\bar{D}^{*0}, \bar{B}^0 \to D^{*+}a_1^-, K^0 \to K_S, D^{*0} \to D^0\gamma, \bar{D}^{*0} \to \pi^0\bar{D}^0,$ $D^{*+} \to \pi^+D^0, a_1^- \to \pi^0\rho^-, K_S \to \pi^+\pi^-, D^0 \to \pi^0\pi^+\pi^-\bar{K}^*, \bar{D}^0 \to K_S K^+K^-, D^0 \to e^+\nu_e\pi^-\bar{K}^0,$ $\rho^- \to \pi^0\pi^-, \bar{K}^* \to \pi^0\bar{K}^0, K_S \to \pi^0\pi^0, \bar{K}^0 \to K_S, \bar{K}^0 \to K_S, K_S \to \pi^+\pi^-,$ $K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^+\nu_e\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	12	12	1	13
14	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \mu^+\nu_\mu\bar{D}^{*-}, \bar{B}^0 \to \mu^-\bar{\nu}_\mu D_1'^+, \bar{D}^{*-} \to \pi^-\bar{D}^0, D_1'^+ \to \pi^0 D^{*+}, \bar{D}^0 \to \pi^-K^+,$ $D^{*+} \to \pi^+D^0, D^0 \to K^-a_1^+, a_1^+ \to \pi^0\rho^+, \rho^+ \to \pi^0\pi^+$ $(\Upsilon(4S) \to \mu^+\mu^-\nu_\mu\bar{\nu}_\mu\pi^+\pi^+\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma)$	13	13	1	14
15	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to K^0 K^-\bar{D}^0 D_s^+, \bar{B}^0 \to \mu^-\bar{\nu}_\mu D^{*+}, K^0 \to K_L, \bar{D}^0 \to \pi^0\pi^0 K^+K^-, D_s^+ \to \rho^+\eta,$ $D^{*+} \to \pi^+D^0, \rho^+ \to \pi^0\pi^+, \eta \to \pi^0\pi^+\pi^-, D^0 \to e^+\nu_e K^-$ $(\Upsilon(4S) \to e^+\nu_e\mu^-\bar{\nu}_\mu K_L\pi^+\pi^+\pi^+\pi^-K^+K^-K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	14	14	1	15
16	$\Upsilon(4S) \to \bar{B}^0\bar{B}^0, \bar{B}^0 \to e^-\bar{\nu}_e D^{*+}, \bar{B}^0 \to \pi^0\pi^-\bar{K}^*K^+D^0, D^{*+} \to \pi^+D^0, \bar{K}^* \to \pi^0\bar{K}^0, D^0 \to \pi^0\pi^+\pi^-K_S,$ $D^0 \to \pi^0\pi^+K^-, \bar{K}^0 \to K_L, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^-\bar{\nu}_e K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	15	15	1	16
17	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^0 K^+D_s^{*-}, \bar{B}^0 \to \pi^+\pi^+\pi^-\pi^-\omega\bar{K}^0, D_s^{*-} \to D_s^-\gamma, \omega \to \pi^0\pi^+\pi^-, \bar{K}^0 \to K_S,$ $D_s^- \to \rho^-\eta, K_S \to \pi^+\pi^-, \rho^- \to \pi^0\pi^-, \eta \to \pi^0\pi^0\pi^0$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	16	16	1	17
18	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to K^+\bar{D}^{*-}D^0, \bar{B}^0 \to \mu^-\bar{\nu}_\mu\pi^+D^{*0}, \bar{D}^{*-} \to \pi^0 D^-, D^0 \to \pi^0\pi^+\pi^-K_S, D^{*0} \to \pi^0 D^0,$ $D^- \to \pi^0 K_L\pi^-, K_S \to \pi^+\pi^-, D^0 \to \pi^+K_1^-, K_1^- \to \rho^-\bar{K}^0, \rho^- \to \pi^0\pi^-, \bar{K}^0 \to K_S,$ $K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to \mu^-\bar{\nu}_\mu K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	17	17	1	18
19	$\Upsilon(4S) \to \bar{B}^0\bar{B}^0, \bar{B}^0 \to \bar{K}^0 D^{*+}\bar{D}^{*-}, \bar{B}^0 \to e^-\bar{\nu}_e\pi^+D^{*0}, \bar{K}^0 \to K_L, D^{*+} \to \pi^+D^0, \bar{D}^{*-} \to \pi^-\bar{D}^0,$ $D^{*0} \to \pi^0 D^0, D^0 \to \pi^0\pi^+K^{*-}, \bar{D}^0 \to \pi^-K_1^+, D^0 \to \pi^0\pi^+K^-, K^{*-} \to \pi^-\bar{K}^0, K_1^+ \to \pi^0\pi^+K^0,$ $\bar{K}^0 \to K_S, K^0 \to K_S, K_S \to \pi^+\pi^-, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^-\bar{\nu}_e K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	18	18	1	19
20	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \rho^+D^-, \bar{B}^0 \to \pi^+K^0\bar{K}^0\bar{K}^0 K^*K^{*-}, \rho^+ \to \pi^0\pi^+, D^- \to \pi^-\eta, K^0 \to K_S,$ $\bar{K}^0 \to K_L, \bar{K}^0 \to K_L, K^* \to \pi^-K^+, K^{*-} \to \pi^-\bar{K}^0, \eta \to \pi^0\pi^0\pi^0, K_S \to \pi^+\pi^-,$ $\bar{K}^0 \to K_L$ $(\Upsilon(4S) \to K_L K_L K_L\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	19	19	1	20

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
21	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to e^+ \nu_e D^-, \bar{B}^0 \to \mu^- \bar{\nu}_\mu D^+, D^- \to \mu^- \bar{\nu}_\mu K^*, D^+ \to \pi^0 \pi^0 \pi^0 \pi^+ \bar{K}^0, K^* \to \pi^0 K^0,$ $\bar{K}^0 \to K_L, K^0 \to K_L$ $(\Upsilon(4S) \to e^+ \nu_e \mu^- \mu^- \bar{\nu}_\mu \bar{\nu}_\mu K_L K_L \pi^+ \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	20	20	1	21
22	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to \rho^0 K^0 \eta_c, \bar{B}^0 \to \pi^0 D^{*+} D_s^-, \rho^0 \to \pi^+ \pi^-, K^0 \to K_S, \eta_c \to \pi^+ \pi^- K^+ K^-,$ $D^{*+} \to \pi^+ D^0, D_s^- \to \pi^+ \pi^- \pi^-, K_S \to \pi^+ \pi^-, D^0 \to \pi^- \rho^+, \rho^+ \to \pi^0 \pi^+$ $(\Upsilon(4S) \to \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- K^+ K^- \gamma\gamma\gamma\gamma)$	21	21	1	22
23	$\Upsilon(4S) \to B^0 B^0, B^0 \to \pi^- \bar{D}^0 D_s^+, B^0 \to \pi^0 \pi^+ \eta \omega \bar{D}^{*-}, \bar{D}^0 \to \pi^- \omega K^+, D_s^+ \to e^+ \nu_e \eta, \eta \to \gamma\gamma,$ $\omega \to \pi^0 \pi^+ \pi^-, \bar{D}^{*-} \to \pi^- \bar{D}^0, \omega \to \pi^0 \pi^+ \pi^-, \eta \to \pi^0 \pi^+ \pi^-, \bar{D}^0 \to K_L \pi^+ \pi^-, K_L \to e^- \nu_e \pi^+$ $(\Upsilon(4S) \to e^+ e^- \nu_e \nu_e \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- K^+ \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	22	22	1	23
24	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to e^+ \nu_e D_1'^-, \bar{B}^0 \to \mu^- \bar{\nu}_\mu D^+, D_1'^- \to \pi^- \bar{D}^{*0}, D^+ \to \pi^0 \pi^+ \phi, \bar{D}^{*0} \to \bar{D}^0 \gamma,$ $\phi \to K_L K_S, \bar{D}^0 \to \rho^0 \pi^- K^+, K_L \to \mu^+ \nu_\mu \pi^-, K_S \to \pi^+ \pi^-, \rho^0 \to \pi^+ \pi^-$ $(\Upsilon(4S) \to e^+ \nu_e \mu^+ \mu^- \nu_\mu \bar{\nu}_\mu \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^+ \gamma\gamma\gamma)$	23	23	1	24
25	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to \rho^0 \pi^- \rho^+ \rho^+ \eta D^-, \bar{B}^0 \to \pi^- \bar{\Delta}^0 \Lambda_c^+, \rho^0 \to \pi^+ \pi^-, \rho^+ \to \pi^0 \pi^+, \rho^+ \to \pi^0 \pi^+,$ $\eta \to \pi^0 \pi^0 \pi^0, D^- \to \mu^- \bar{\nu}_\mu K^*, \bar{\Delta}^0 \to \pi^0 \bar{n}, \Lambda_c^+ \to K^{*+} \Lambda, K^* \to \pi^- K^+, K^{*+} \to \pi^0 K^+,$ $\Lambda \to \pi^0 n$ $(\Upsilon(4S) \to \mu^- \bar{\nu}_\mu \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^+ K^+ n \bar{n} \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	24	24	1	25
26	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to \pi^0 \rho^+ \rho^+ \rho^- \omega D^-, \bar{B}^0 \to D^+ D_{s0}^{*-}, \rho^+ \to \pi^0 \pi^+, \rho^+ \to \pi^0 \pi^+, \rho^- \to \pi^0 \pi^-,$ $\omega \to \pi^0 \pi^+ \pi^-, D^- \to K_S K^{*-}, D^+ \to \pi^+ K^0 \bar{K}^*, D_{s0}^{*-} \to \pi^0 D_s^-, K_S \to \pi^+ \pi^-, K^{*-} \to \pi^- \bar{K}^0,$ $K^0 \to K_L, \bar{K}^* \to \pi^+ K^-, D_s^- \to K_L \pi^+ \pi^- \pi^-, \bar{K}^0 \to K_L$ $(\Upsilon(4S) \to K_L K_L K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- K^- \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	25	25	1	26
27	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to \pi^+ \pi^- \rho^+ \omega \bar{D}^{*-}, \bar{B}^0 \to \pi^0 K^0 K^- D^+, \rho^+ \to \pi^0 \pi^+, \omega \to \pi^0 \pi^+ \pi^-, \bar{D}^{*-} \to \pi^- \bar{D}^0,$ $K^0 \to K_L, D^+ \to \pi^+ \pi^+ \pi^+ \pi^- K^-, \bar{D}^0 \to e^- \bar{\nu}_e \pi^+ K^0, K^0 \to K_S, K_S \to \pi^+ \pi^-$ $(\Upsilon(4S) \to e^- \bar{\nu}_e K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- K^- K^- \gamma\gamma\gamma\gamma\gamma\gamma)$	26	26	1	27
28	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to \pi^0 \pi^0 \pi^+ K^0 D^- D^{*0}, \bar{B}^0 \to \pi^0 \rho^0 K^0 K^- D^{*+}, K^0 \to K_L, D^- \to \rho^- K^*, D^{*0} \to D^0 \gamma,$ $\rho^0 \to \pi^+ \pi^-, K^0 \to K_L, D^{*+} \to \pi^0 D^+, \rho^- \to \pi^0 \pi^-, K^* \to \pi^- K^+, D^0 \to \pi^0 \pi^+ K^{*-},$ $K_L \to \mu^- \nu_\mu \pi^+, D^+ \to \pi^+ \pi^+ K^-, K^{*-} \to \pi^- \bar{K}^0, \bar{K}^0 \to K_L$ $(\Upsilon(4S) \to \mu^- \nu_\mu K_L K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^+ K^- K^- \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	27	27	1	28
29	$\Upsilon(4S) \to \bar{B}^0 \bar{B}^0, \bar{B}^0 \to e^- \bar{\nu}_e D^{*+}, \bar{B}^0 \to \rho^0 \pi^- D^{*+}, D^{*+} \to \pi^+ D^0, \rho^0 \to \pi^+ \pi^-, D^{*+} \to \pi^+ D^0,$ $D^0 \to \pi^0 \pi^+ K^-, D^0 \to e^+ \nu_e K^-$ $(\Upsilon(4S) \to e^+ e^- \nu_e \bar{\nu}_e \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- K^- K^- \gamma\gamma)$	28	28	1	29
30	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to \mu^+ \nu_\mu \bar{D}^{*-}, \bar{B}^0 \to \mu^- \bar{\nu}_\mu D^+, \bar{D}^{*-} \to \pi^- \bar{D}^0, D^+ \to \pi^0 \pi^0 \pi^+ \pi^+ K^-, \bar{D}^0 \to \pi^+ \pi^- \pi^- K^+$ $(\Upsilon(4S) \to \mu^+ \mu^- \nu_\mu \bar{\nu}_\mu \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- K^+ K^- \gamma\gamma\gamma\gamma)$	29	29	1	30
31	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to \pi^+ \pi^- D^- \bar{n} p, \bar{B}^0 \to K^{*-} D^+ \bar{D}^0, D^- \to K^* a_1^-, K^{*-} \to \pi^- \bar{K}^0, D^+ \to \pi^0 \pi^+ \phi,$ $\bar{D}^0 \to \mu^- \bar{\nu}_\mu K^+, K^* \to \pi^- K^+, a_1^- \to \rho^0 \pi^-, \bar{K}^0 \to K_S, \phi \to K^+ K^-, \rho^0 \to \pi^+ \pi^-,$ $K_S \to \pi^+ \pi^-$ $(\Upsilon(4S) \to \mu^- \bar{\nu}_\mu \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- K^+ K^+ K^+ K^- \bar{n} p \gamma\gamma)$	30	30	1	31

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
32	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\rho^0\pi^+\pi^-\rho^-K^+K^{*+}D_s^-, \bar{B}^0 \to K^-\bar{\Delta}^0\Lambda_c^+, \rho^0 \to \pi^+\pi^-, \rho^- \to \pi^0\pi^-, K^{*+} \to \pi^+K^0,$ $D_s^- \to \pi^+\pi^-K_SK^-, \bar{\Delta}^0 \to \pi^0\bar{n}, \Lambda_c^+ \to \mu^+\nu_\mu\Lambda, K^0 \to K_S, K_S \to \pi^+\pi^-, \Lambda \to \pi^0 n,$ $K_S \to \pi^0\pi^0$ $(\Upsilon(4S) \to \mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-K^-n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	31	31	1	32
33	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \bar{D}^{*-}D_{s0}^{*+}, \bar{B}^0 \to \pi^0\pi^+\pi^-\pi^-D^{*+}, \bar{D}^{*-} \to \pi^-\bar{D}^0, D_{s0}^{*+} \to \pi^0D_s^+, D^{*+} \to \pi^0D^+,$ $\bar{D}^0 \to \pi^0\pi^+\pi^-K^*, D_s^+ \to \pi^0\pi^0\pi^+, D^+ \to e^+\nu_e\pi^+K^-, K^* \to \pi^-K^+$ $(\Upsilon(4S) \to e^+\nu_e\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	32	32	1	33
34	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to K^+\bar{D}^{*-}D^{*0}, \bar{B}^0 \to \bar{K}^0\bar{n}\Sigma_c^0, \bar{D}^{*-} \to \pi^0D^-, D^{*0} \to \pi^0D^0, \bar{K}^0 \to K_S,$ $\Sigma_c^0 \to \pi^-\Lambda_c^+, D^- \to K^*a_1^-, D^0 \to \pi^0\pi^+K^-, K_S \to \pi^0\pi^0, \Lambda_c^+ \to pf_0(980), K^* \to \pi^0K^0,$ $a_1^- \to \pi^0\rho^-, f_0(980) \to \pi^+\pi^-, K^0 \to K_L, \rho^- \to \pi^0\pi^-$ $(\Upsilon(4S) \to K_L\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^-\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	33	33	1	34
35	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \bar{D}^{*0}\Delta^+\bar{\Delta}^+, \bar{B}^0 \to \mu^-\bar{\nu}_\mu D^{*+}, \bar{D}^{*0} \to \pi^0\bar{D}^0, \Delta^+ \to \pi^+n, \bar{\Delta}^- \to \pi^-\bar{n},$ $D^{*+} \to \pi^+D^0, \bar{D}^0 \to e^-\bar{\nu}_e K_2^{*+}, D^0 \to \pi^0\pi^+\pi^-K_S, K_2^{*+} \to \pi^0K^+, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^-\bar{\nu}_e\mu^-\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma)$	34	34	1	35
36	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^0\pi^+\omega D^-, \bar{B}^0 \to \rho^0\pi^-\bar{K}^0\bar{K}^*D_s^{*+}, \omega \to \pi^0\pi^+\pi^-, D^- \to \rho^-K^*, \rho^0 \to \pi^+\pi^-,$ $\bar{K}^0 \to K_L, \bar{K}^* \to \pi^+K^-, D_s^{*+} \to D_s^+\gamma, \rho^- \to \pi^0\pi^-, K^* \to \pi^-K^+, D_s^+ \to \pi^+\pi^+\pi^-\omega,$ $\omega \to \pi^0\pi^+\pi^-$ $(\Upsilon(4S) \to K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	35	35	1	36
37	$\Upsilon(4S) \to \bar{B}^0\bar{B}^0, \bar{B}^0 \to \pi^-\bar{\Delta}^-\Sigma_c^{++}, \bar{B}^0 \to \pi^+\pi^-\pi^-\eta K^0\bar{K}^0D^+, \bar{\Delta}^- \to \pi^0\bar{p}, \Sigma_c^{++} \to \pi^+\Lambda_c^+, \eta \to \pi^0\pi^0\pi^0,$ $K^0 \to K_L, \bar{K}^0 \to K_S, D^+ \to \pi^+K_S, \Lambda_c^+ \to \pi^0\bar{K}^0p, K_S \to \pi^0\pi^0, K_S \to \pi^+\pi^-,$ $\bar{K}^0 \to K_L$ $(\Upsilon(4S) \to K_LK_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	36	36	1	37
38	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^+\pi^-K^+\bar{D}^{*-}, \bar{B}^0 \to \pi^+\pi^-\rho^+\rho^-K^-D_s^{*+}, \bar{D}^{*-} \to \pi^0D^-, \rho^+ \to \pi^0\pi^+, \rho^- \to \pi^0\pi^-,$ $D_s^{*+} \to D_s^+\gamma, D^- \to e^-\bar{\nu}_e K^*, D_s^+ \to \bar{K}^*K^{*+}, K^* \to \pi^-K^+, \bar{K}^* \to \pi^0\bar{K}^0, K^{*+} \to \pi^+K^0,$ $\bar{K}^0 \to K_L, K^0 \to K_L, K_L \to \pi^0\pi^0\pi^0$ $(\Upsilon(4S) \to e^-\bar{\nu}_e K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	37	37	1	38
39	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \bar{D}^{*-}D_s^{*+}, \bar{B}^0 \to e^-\bar{\nu}_e D_2^{*+}, \bar{D}^{*-} \to \pi^-\bar{D}^0, D_s^{*+} \to \pi^0D_s^+, D_2^{*+} \to \pi^0D^{*+},$ $\bar{D}^0 \to \rho^-K^{*+}, D_s^+ \to \rho^+\eta, D^{*+} \to \pi^+D^0, \rho^- \to \pi^0\pi^-, K^{*+} \to \pi^+K^0, \rho^+ \to \pi^0\pi^+,$ $\eta \to \gamma\gamma, D^0 \to K_L\phi, K^0 \to K_L, \phi \to \pi^0\rho^0, \rho^0 \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^-\bar{\nu}_e K_L K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	38	38	1	39
40	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^-K^+D^0\bar{D}^{*0}, \bar{B}^0 \to \pi^0\bar{K}^*J/\psi, D^0 \to e^+\nu_e K^{*-}, \bar{D}^{*0} \to \bar{D}^0\gamma, \bar{K}^* \to \pi^+K^-,$ $J/\psi \to \pi^0\pi^+\pi^-\eta, K^{*-} \to \pi^-\bar{K}^0, \bar{D}^0 \to K^+a_1^-, \eta \to \pi^0\pi^+\pi^-, \bar{K}^0 \to K_L, a_1^- \to \pi^0\rho^-,$ $K_L \to \mu^-\nu_\mu\pi^+, \rho^- \to \pi^0\pi^-$ $(\Upsilon(4S) \to e^+\nu_e\mu^-\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	39	39	1	40

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
41	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to K^*D^{*+}\bar{D}^{*-}, \bar{B}^0 \to \pi^-K^0D^+, K^* \to \pi^0K^0, D^{*+} \to \pi^+D^0, \bar{D}^{*-} \to \pi^0D^-,$ $K^0 \to K_L, D^+ \to \pi^0\pi^0\pi^+\pi^+K^-, K^0 \to K_S, D^0 \to \mu^+\nu_\mu K^-, D^- \to \pi^0\pi^-K^*, \pi^0 \to e^+e^-,$ $K_S \to \pi^+\pi^-, K^* \to \pi^-K^+$ $(\Upsilon(4S) \to e^+e^-\mu^+\nu_\mu K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	40	40	1	41
42	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^+\eta D^-, \bar{B}^0 \to \pi^0\pi^0\pi^0\pi^-\rho^+K^+K^-D^0, \eta \to \pi^0\pi^+\pi^-, D^- \to K_L\pi^-, \rho^+ \to \pi^0\pi^+,$ $D^0 \to K^-a_1^+, a_1^+ \to \pi^0\rho^+, \rho^+ \to \pi^0\pi^+$ $(\Upsilon(4S) \to K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	41	41	1	42
43	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \mu^+\nu_\mu\pi^-\bar{D}^{*0}, B^0 \to \rho^0\pi^+K^0D^-, \bar{D}^{*0} \to \bar{D}^0\gamma, \rho^0 \to \pi^+\pi^-, K^0 \to K_L,$ $D^- \to \pi^0K_L\pi^-, \bar{D}^0 \to \rho^-K^{*+}, \rho^- \to \pi^0\pi^-, K^{*+} \to \pi^0K^+$ $(\Upsilon(4S) \to \mu^+\nu_\mu K_LK_L\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma)$	42	42	1	43
44	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^-\bar{D}^0D_s^+, \bar{B}^0 \to \pi^+\pi^-D^+D_s^{*-}, \bar{D}^0 \to \pi^+\rho^-, D_s^+ \to \pi^+\phi, D^+ \to \mu^+\nu_\mu\pi^+K^-,$ $D_s^{*-} \to D_s^-\gamma, \rho^- \to \pi^0\pi^-, \phi \to K_LK_S, D_s^- \to \rho^-\eta', K_S \to \pi^0\pi^0, \rho^- \to \pi^0\pi^-,$ $\eta' \to \gamma\gamma$ $(\Upsilon(4S) \to \mu^+\nu_\mu K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	43	43	1	44
45	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^+\pi^-\rho^+\omega\bar{K}^0K^*\bar{D}^{*-}, \bar{B}^0 \to K_SJ/\psi, \rho^+ \to \pi^0\pi^+, \omega \to \pi^0\pi^+\pi^-, \bar{K}^0 \to K_L,$ $K^* \to \pi^-K^+, \bar{D}^{*-} \to \pi^-\bar{D}^0, K_S \to \pi^+\pi^-, J/\psi \to \pi^0\omega\omega, \bar{D}^0 \to \pi^0\pi^-K^+, \omega \to \pi^0\pi^+\pi^-,$ $\omega \to \pi^0\pi^+\pi^-$ $(\Upsilon(4S) \to K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	44	44	1	45
46	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to K^+\bar{D}^{*-}D^{*0}, \bar{B}^0 \to \mu^-\bar{\nu}_\mu D^+, \bar{D}^{*-} \to \pi^-\bar{D}^0, D^{*0} \to \pi^0D^0, D^+ \to \mu^+\nu_\mu\bar{K}^*,$ $\bar{D}^0 \to \pi^-\eta K^+, D^0 \to e^+\nu_eK^-, \bar{K}^* \to \pi^0\bar{K}^0, \eta \to \pi^+\pi^-, \bar{K}^0 \to K_S, K_S \to \pi^0\pi^0$ $(\Upsilon(4S) \to e^+\nu_e\mu^+\mu^-\nu_\mu\bar{\nu}_\mu\pi^+\pi^-\pi^-\pi^-K^+K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	45	45	1	46
47	$\Upsilon(4S) \to \bar{B}^0\bar{B}^0, \bar{B}^0 \to D^+a_1^-, \bar{B}^0 \to \pi^0\rho^+\omega K^{*-}D^{*0}, D^+ \to \mu^+\nu_\mu\bar{K}^0, a_1^- \to \pi^0\rho^-, \rho^+ \to \pi^0\pi^+,$ $\omega \to \pi^0\pi^+\pi^-, K^{*-} \to \pi^0K^-, D^{*0} \to \pi^0D^0, \bar{K}^0 \to K_L, \rho^- \to \pi^0\pi^-, D^0 \to K_L\omega,$ $\omega \to \pi^0\pi^+\pi^-$ $(\Upsilon(4S) \to \mu^+\nu_\mu K_LK_L\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	46	46	1	47
48	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to D^+D^-, B^0 \to D^-D_s^{*+}, D^+ \to e^+\nu_e\pi^+K^-, D^- \to \mu^-\bar{\nu}_\mu K^*, D^- \to \pi^0\pi^-K_S,$ $D_s^{*+} \to D_s^+\gamma, K^* \to \pi^-K^+, K_S \to \pi^0\pi^0, D_s^+ \to \pi^+\phi, \phi \to K_LK_S, K_L \to e^+\nu_e\pi^-,$ $K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^+e^+\nu_e\nu_e\mu^-\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	47	47	1	48
49	$\Upsilon(4S) \to \bar{B}^0\bar{B}^0, \bar{B}^0 \to \tau^-\bar{\nu}_\tau D_2^{*+}, \bar{B}^0 \to D^{*+}\Delta^-\bar{\Delta}^0, \tau^- \to \mu^-\bar{\nu}_\mu\nu_\tau, D_2^{*+} \to \pi^+D^0, D^{*+} \to \pi^0D^+,$ $\Delta^- \to \pi^-n, \bar{\Delta}^0 \to \pi^+\bar{p}, D^0 \to \pi^0\pi^+K^-, D^+ \to \mu^+\nu_\mu\bar{K}^0, \bar{K}^0 \to K_L, K_L \to e^+\nu_e\pi^-$ $(\Upsilon(4S) \to e^+\nu_e\mu^+\mu^-\nu_\mu\bar{\nu}_\mu\nu_\tau\bar{\nu}_\tau\pi^+\pi^+\pi^+\pi^-\pi^-K^-n\bar{p}\gamma\gamma\gamma)$	48	48	1	49
50	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^0\rho^+\bar{K}^0K^*D^-, \bar{B}^0 \to \pi^0\rho^0\pi^+\pi^-\rho^-\eta D^{*+}, \rho^+ \to \pi^0\pi^+, \bar{K}^0 \to K_L, K^* \to \pi^-K^+,$ $D^- \to \mu^-\bar{\nu}_\mu K^0, \rho^0 \to \pi^+\pi^-, \rho^- \to \pi^0\pi^-, \eta \to \gamma\gamma, D^{*+} \to \pi^0D^+, K^0 \to K_S,$ $D^+ \to K_L\pi^+, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to \mu^-\bar{\nu}_\mu K_LK_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	49	49	1	50

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index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
51	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to K^+\bar{D}^{*-}D^{*0}, \bar{B}^0 \to \pi^-\bar{\Delta}^0\Sigma_c^{*+}, \bar{D}^{*-} \to \pi^-\bar{D}^0, D^{*0} \to \pi^0 D^0, \bar{\Delta}^0 \to \pi^0\bar{n},$ $\Sigma_c^{*+} \to \pi^0\Lambda_c^+, \bar{D}^0 \to \mu^-\bar{\nu}_\mu K^+, D^0 \to \pi^+K^-, \Lambda_c^+ \to \rho^0\pi^+\Lambda, \rho^0 \to \pi^+\pi^-, \Lambda \to \pi^-p,$ $(\Upsilon(4S) \to \mu^-\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^+K^-\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	50	50	1	51
52	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^+K^0K^0D_s^-, \bar{B}^0 \to \mu^-\bar{\nu}_\mu D^+, K^0 \to K_L, K^0 \to K_L, D_s^- \to \rho^-\phi,$ $D^+ \to \pi^+\pi^+K^-, \rho^- \to \pi^0\pi^-, \phi \to K^+K^-$ $(\Upsilon(4S) \to \mu^-\bar{\nu}_\mu K_L K_L \pi^+\pi^+\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma)$	51	51	1	52
53	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \mu^+\nu_\mu\bar{D}^{*-}, \bar{B}^0 \to \pi^0\rho^0\rho^-D^{*+}\gamma, \bar{D}^{*-} \to \pi^-\bar{D}^0, \rho^0 \to \pi^+\pi^-, \rho^- \to \pi^0\pi^-,$ $D^{*+} \to \pi^0 D^+, \bar{D}^0 \to e^-\bar{\nu}_e K^+, D^+ \to \pi^0\pi^+K^+K^-$ $(\Upsilon(4S) \to e^-\bar{\nu}_e\mu^+\nu_\mu\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	52	52	1	53
54	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^+\pi^+\pi^+\pi^-\pi^-\bar{D}^{*-}, \bar{B}^0 \to \pi^0\pi^0\pi^-\pi^-\rho^+D^{*+}, \bar{D}^{*-} \to \pi^-\bar{D}^0, \rho^+ \to \pi^0\pi^+, D^{*+} \to \pi^+D^0,$ $\bar{D}^0 \to \pi^+\pi^-K_S K_S, D^0 \to \pi^0\pi^0\pi^0\pi^+\pi^-, K_S \to \pi^0\pi^0, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	53	53	1	54
55	$\Upsilon(4S) \to \bar{B}^0 B^0, B^0 \to D^{*+}D_s^{*-}, \bar{B}^0 \to \pi^-\bar{\Delta}^+\Sigma_c^{++}, D^{*+} \to \pi^+D^0, D_s^{*-} \to D_s^-\gamma, \bar{\Delta}^+ \to \pi^-\bar{n},$ $\Sigma_c^{++} \to \pi^+\Lambda_c^+, D^0 \to \pi^0\pi^+K^-, D_s^- \to \rho^-\eta, \Lambda_c^+ \to K^{*+}\Sigma^{*0}, \rho^- \to \pi^0\pi^-, \eta \to \pi^0\pi^+\pi^-,$ $K^{*+} \to \pi^0K^+, \Sigma^{*0} \to \pi^0\Lambda, \Lambda \to \pi^0 n$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	54	54	1	55
56	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^+\pi^+\pi^-\bar{D}^{*-}, B^0 \to \pi^+\omega\bar{D}^{*-}\bar{p}\Delta^+, \bar{D}^{*-} \to \pi^-\bar{D}^0, \omega \to \pi^0\pi^+\pi^-, \bar{D}^{*-} \to \pi^-\bar{D}^0,$ $\Delta^+ \to \pi^0 p, \bar{D}^0 \to \pi^-\eta K^+, \bar{D}^0 \to \rho^0 K^*, \eta \to \pi^0\pi^0\pi^0, \rho^0 \to \pi^+\pi^-, K^* \to \pi^-K^+$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^+p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	55	55	1	56
57	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^+\pi^+\pi^-\bar{D}^{*-}, \bar{B}^0 \to K^-D^+\bar{D}^{*0}, \bar{D}^{*-} \to \pi^0 D^-, D^+ \to \pi^+\pi^+K^-, \bar{D}^{*0} \to \pi^0\bar{D}^0,$ $D^- \to \pi^0\pi^-K^*, \bar{D}^0 \to K^+a_1^-, K^* \to \pi^-K^+, a_1^- \to \rho^0\pi^-, \rho^0 \to \pi^+\pi^-$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	56	56	1	57
58	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^+\pi^-K^0\chi_{c1}, \bar{B}^0 \to \pi^0\rho^0\rho^-D^{*+}, K^0 \to K_L, \chi_{c1} \to \rho^0\pi^+K^0K^{*-}, \rho^0 \to \pi^+\pi^-,$ $\rho^- \to \pi^0\pi^-, D^{*+} \to \pi^+D^0, \rho^0 \to \pi^+\pi^-, K^0 \to K_L, K^{*-} \to \pi^-\bar{K}^0, D^0 \to \pi^0\pi^+\pi^-K_S,$ $\bar{K}^0 \to K_L, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to K_L K_L K_L \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma)$	57	57	1	58
59	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to e^+\nu_e\bar{D}^{*-}, \bar{B}^0 \to e^-\bar{\nu}_e D^{*+}, \bar{D}^{*-} \to \pi^-\bar{D}^0, D^{*+} \to \pi^+D^0, \bar{D}^0 \to \pi^+K_S K^-,$ $D^0 \to e^+\nu_e K^-, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^+e^+e^-\nu_e\nu_e\bar{\nu}_e\pi^+\pi^+\pi^+\pi^-\pi^-K^-K^-)$	58	58	1	59
60	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to K^{*+}\bar{D}^{*-}D^{*0}, \bar{B}^0 \to \mu^-\bar{\nu}_\mu D^{*+}, K^{*+} \to \pi^+K^0, \bar{D}^{*-} \to \pi^0 D^-, D^{*0} \to D^0\gamma,$ $D^{*+} \to \pi^+D^0, K^0 \to K_L, D^- \to e^-\bar{\nu}_e\pi^-K^+, D^0 \to K_L\pi^-K^+, D^0 \to e^+\nu_e K^{*-}, K^{*-} \to \pi^0 K^-$ $(\Upsilon(4S) \to e^+e^-\bar{\nu}_e\nu_e\mu^-\bar{\nu}_\mu K_L K_L \pi^+\pi^+\pi^-\pi^-K^+K^+K^-\gamma\gamma\gamma\gamma\gamma)$	59	59	1	60
61	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \bar{D}^{*-}\bar{\Delta}^+ n, \bar{B}^0 \to \pi^+\bar{\Delta}^+\Sigma_c^{*0}, \bar{D}^{*-} \to D^-\gamma, \bar{\Delta}^- \to \pi^+\bar{n}, \bar{\Delta}^+ \to \pi^0\bar{p},$ $\Sigma_c^{*0} \to \pi^-\Lambda_c^+, D^- \to e^-\bar{\nu}_e K^*, \Lambda_c^+ \to \pi^0\pi^+\Lambda, K^* \to \pi^-K^+, \Lambda \to \pi^-p$ $(\Upsilon(4S) \to e^-\bar{\nu}_e\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+n\bar{n}p\bar{p}\gamma\gamma\gamma\gamma\gamma)$	60	60	1	61

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
62	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to e^+\nu_e D_1^-, \bar{B}^0 \to \mu^-\bar{\nu}_\mu D^{*+}, D_1^- \to \pi^0 \bar{D}^{*-}, D^{*+} \to \pi^+ D^0, \bar{D}^{*-} \to \pi^0 D^-,$ $D^0 \to K^-a_1^+, D^- \to e^-\bar{\nu}_e K^*, a_1^+ \to \rho^0\pi^+, K^* \to \pi^- K^+, \rho^0 \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^+e^-\nu_e\bar{\nu}_e\mu^-\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma)$	61	61	1	62
63	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\rho^+\eta D^-, \bar{B}^0 \to D^+ D_s^{*-}, \rho^+ \to \pi^0\pi^+, \eta \to \pi^0\pi^0\pi^0, D^- \to \pi^-\pi^-K^+,$ $D^+ \to \pi^+ \bar{K}_1^{'0}, D_s^{*-} \to D_s^-\gamma, \bar{K}_1^{'0} \to \pi^+ K^{*-}, D_s^- \to \pi^+\pi^-K^-, K^{*-} \to \pi^0 K^-$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	62	62	1	63
64	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^+\pi^-K^0 J/\psi, \bar{B}^0 \to \rho^0\rho^-\eta D^+, K^0 \to K_L, J/\psi \to \pi^+\rho^-\eta, \rho^0 \to \pi^+\pi^-,$ $\rho^- \to \pi^0\pi^-, \eta \to \pi^0\pi^0\pi^0, D^+ \to e^+\nu_e \bar{K}^*, \rho^- \to \pi^0\pi^-, \eta \to \gamma\gamma, \bar{K}^* \to \pi^+ K^-$ $(\Upsilon(4S) \to e^+\nu_e K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	63	63	1	64
65	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\rho^0\rho^0\pi^+ D^-, \bar{B}^0 \to \mu^-\bar{\nu}_\mu D^{*+}, \rho^0 \to \pi^+\pi^-, \rho^0 \to \pi^+\pi^-, D^- \to \pi^0\pi^-\phi,$ $D^{*+} \to \pi^0 D^+, \phi \to \pi^0\rho^0, \pi^0 \to e^+e^-, D^+ \to \pi^+ \bar{K}_1^{'0}, \rho^0 \to \pi^+\pi^-, \bar{K}_1^{'0} \to \pi^0 \bar{K}^*,$ $\pi^0 \to e^+e^-, \bar{K}^* \to \pi^+ K^-$ $(\Upsilon(4S) \to e^+e^+e^-e^-\mu^-\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma)$	64	64	1	65
66	$\Upsilon(4S) \to \bar{B}^0\bar{B}^0, \bar{B}^0 \to \tau^-\bar{\nu}_\tau D^{*+}, \bar{B}^0 \to \pi^-\eta\omega\eta' D^+, \tau^- \to \nu_\tau\pi^0\pi^-, D^{*+} \to \pi^+ D^0, \eta \to \gamma\gamma,$ $\omega \to \pi^0\pi^+\pi^-, \eta' \to \pi^0\pi^0\eta, D^+ \to e^+\nu_e \bar{K}^*, D^0 \to e^+\nu_e K^{*-}, \eta \to \gamma\gamma, \bar{K}^* \to \pi^0 \bar{K}^0,$ $K^{*-} \to \pi^- \bar{K}^0, \bar{K}^0 \to K_S, \bar{K}^0 \to K_L, K_S \to \pi^0\pi^0$ $(\Upsilon(4S) \to e^+e^+\nu_e\nu_e\nu_\tau\bar{\nu}_\tau K_L\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	65	65	1	66
67	$\Upsilon(4S) \to \bar{B}^0\bar{B}^0, \bar{B}^0 \to D^+ a_1^-, \bar{B}^0 \to \pi^0\eta' D^{*+}\bar{D}^{*-}, D^+ \to \mu^+\nu_\mu \bar{K}^0, a_1^- \to \rho^0\pi^-, \eta' \to \pi^+\pi^-\eta,$ $D^{*+} \to \pi^+ D^0, \bar{D}^{*-} \to \pi^- \bar{D}^0, \bar{K}^0 \to K_S, \rho^0 \to \pi^+\pi^-, \eta \to \pi^0\pi^0\pi^0, D^0 \to e^+\nu_e K^-,$ $\bar{D}^0 \to K_S K^+ K^-, K_S \to \pi^0\pi^0, K_S \to \pi^0\pi^0$ $(\Upsilon(4S) \to e^+\nu_e\mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	66	66	1	67
68	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to e^+\nu_e \bar{D}^{*-}, \bar{B}^0 \to \pi^0\rho^0\rho^0\rho^- D^{*+}, \bar{D}^{*-} \to \pi^- \bar{D}^0, \rho^0 \to \pi^+\pi^-, \rho^0 \to \pi^+\pi^-,$ $\rho^- \to \pi^0\pi^-, D^{*+} \to \pi^+ D^0, \bar{D}^0 \to K^+ a_1^-, D^0 \to \pi^0\pi^+ K^-, a_1^- \to \rho^0\pi^-, \rho^0 \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^+\nu_e\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma)$	67	67	1	68
69	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \bar{K}^* K^+ \bar{D}^{*-}, \bar{B}^0 \to \pi^0\rho^0\eta\omega, \bar{K}^* \to \pi^+ K^-, \bar{D}^{*-} \to \pi^- \bar{D}^0, \rho^0 \to \pi^+\pi^-,$ $\eta \to \pi^0\pi^0\pi^0, \omega \to \pi^0\pi^+\pi^-, \bar{D}^0 \to \pi^- K^+$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	68	68	1	69
70	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \rho^+ K^+ K^- D^-, \bar{B}^0 \to \pi^0\pi^+\pi^-\pi^- D^+, \rho^+ \to \pi^0\pi^+, D^- \to e^-\bar{\nu}_e\rho^0, D^+ \to K_S K^{*+},$ $\rho^0 \to \pi^+\pi^-, K_S \to \pi^+\pi^-, K^{*+} \to \pi^0 K^+$ $(\Upsilon(4S) \to e^-\bar{\nu}_e\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^+K^-\gamma\gamma\gamma\gamma\gamma)$	69	69	1	70
71	$\Upsilon(4S) \to \bar{B}^0\bar{B}^0, \bar{B}^0 \to D^{*+} D_s^{*-}, \bar{B}^0 \to \rho^- \bar{\Delta}^0\Sigma_c^+, D^{*+} \to \pi^+ D^0, D_s^{*-} \to D_s^-\gamma, \rho^- \to \pi^0\pi^-,$ $\bar{\Delta}^0 \to \pi^0\bar{n}, \Sigma_c^+ \to \pi^0\Lambda_c^+, D^0 \to \mu^+\nu_\mu K^-, D_s^- \to \pi^-\eta', \Lambda_c^+ \to \mu^+\nu_\mu\pi^- p, \eta' \to \rho^0\gamma,$ $\rho^0 \to \pi^+\pi^-$ $(\Upsilon(4S) \to \mu^+\mu^+\nu_\mu\nu_\mu\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^-\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	70	70	1	71

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index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
72	$\Upsilon(4S) \to B^0 B^0, B^0 \to e^+ \nu_e \bar{D}^{*-}, B^0 \to \rho^0 \pi^+ \eta D^-, \bar{D}^{*-} \to \pi^- \bar{D}^0, \rho^0 \to \pi^+ \pi^-, \eta \to \pi^0 \pi^+ \pi^-,$ $D^- \to \pi^- \omega K^*, \bar{D}^0 \to \pi^0 \pi^+ \pi^- K_S, \omega \to \pi^0 \pi^+ \pi^-, K^* \to \pi^- K^+, K_S \to \pi^0 \pi^0$ $(\Upsilon(4S) \to e^+ \nu_e \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- K^+ \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	71	71	1	72
73	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to \pi^0 \pi^+ \pi^+ \pi^- \bar{D}^{*-}, \bar{B}^0 \to \pi^0 \bar{K}^0 D^+ \bar{D}^{*-}, \bar{D}^{*-} \to \pi^- \bar{D}^0, \bar{K}^0 \to K_L, D^+ \to \pi^0 \pi^+ K_S,$ $\bar{D}^{*-} \to \pi^0 D^-, \bar{D}^0 \to \pi^0 K_S, K_L \to e^+ \nu_e \pi^-, K_S \to \pi^+ \pi^-, D^- \to \pi^- \pi^- K^+, K_S \to \pi^0 \pi^0$ $(\Upsilon(4S) \to e^+ \nu_e \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- K^+ \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	72	72	1	73
74	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to \tau^+ \nu_\tau \bar{D}^{*-}, \bar{B}^0 \to e^- \bar{\nu}_e D^+, \tau^+ \to \mu^+ \nu_\mu \bar{\nu}_\tau, \bar{D}^{*-} \to \pi^- \bar{D}^0, D^+ \to e^+ \nu_e \pi^+ K^-,$ $\bar{D}^0 \to \pi^0 \pi^- K^+$ $(\Upsilon(4S) \to e^+ e^- \nu_e \bar{\nu}_e \mu^+ \nu_\mu \nu_\tau \bar{\nu}_\tau \pi^+ \pi^- \pi^- K^+ K^- \gamma\gamma)$	73	73	1	74
75	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to \pi^- K^{*+} D^0 \bar{D}^0, \bar{B}^0 \to \pi^0 \pi^+ \pi^- \pi^- D^{*+}, K^{*+} \to \pi^0 K^+, D^0 \to \rho^+ K^{*-}, \bar{D}^0 \to \pi^+ \pi^- \eta,$ $D^{*+} \to \pi^+ D^0, \rho^+ \to \pi^0 \pi^+, K^{*-} \to \pi^- \bar{K}^0, \eta \to \gamma\gamma, D^0 \to K_L \pi^+ \pi^-, \pi^0 \to e^+ e^-,$ $\bar{K}^0 \to K_L$ $(\Upsilon(4S) \to e^+ e^- K_L K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- K^+ \gamma\gamma\gamma\gamma\gamma)$	74	74	1	75
76	$\Upsilon(4S) \to B^0 B^0, B^0 \to \mu^+ \nu_\mu D^-, B^0 \to \pi^0 \pi^0 \rho^+ \omega \bar{D}^{*-}, D^- \to \pi^0 \pi^+ \pi^- \pi^-, \rho^+ \to \pi^0 \pi^+, \omega \to \pi^0 \pi^+ \pi^-,$ $\bar{D}^{*-} \to \pi^- \bar{D}^0, \bar{D}^0 \to \pi^- K_1^+, K_1^+ \to \rho^0 K^+, \rho^0 \to \pi^+ \pi^-$ $(\Upsilon(4S) \to \mu^+ \nu_\mu \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- K^+ \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	75	75	1	76
77	$\Upsilon(4S) \to B^0 B^0, B^0 \to K^+ \bar{D}^{*-} D^{*0}, B^0 \to \rho^0 \pi^+ \omega \bar{D}^{*-}, \bar{D}^{*-} \to \pi^- \bar{D}^0, D^{*0} \to \pi^0 D^0, \rho^0 \to \pi^+ \pi^-,$ $\omega \to \pi^0 \pi^+ \pi^-, \bar{D}^{*-} \to \pi^- \bar{D}^0, \bar{D}^0 \to \pi^0 \pi^- K^+, D^0 \to \pi^0 \bar{K}^*, \bar{D}^0 \to \pi^0 K_L \pi^+ \pi^-, \bar{K}^* \to \pi^0 \bar{K}^0,$ $\bar{K}^0 \to K_L$ $(\Upsilon(4S) \to K_L K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- K^+ K^+ \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	76	76	1	77
78	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to \rho^+ \Delta^0 \bar{\Sigma}_c^{*-}, \bar{B}^0 \to \mu^- \bar{\nu}_\mu D^{*+}, \rho^+ \to \pi^0 \pi^+, \Delta^0 \to \pi^0 n, \bar{\Sigma}_c^{*-} \to \pi^0 \bar{\Lambda}_c^-,$ $D^{*+} \to \pi^+ D^0, \bar{\Lambda}_c^- \to \pi^0 \pi^- \eta \bar{\Sigma}^0, D^0 \to \pi^0 \pi^+ \pi^- K_S, \eta \to \gamma\gamma, \bar{\Sigma}^0 \to \bar{\Lambda}\gamma, K_S \to \pi^+ \pi^-,$ $\bar{\Lambda} \to \pi^0 \bar{n}$ $(\Upsilon(4S) \to \mu^- \bar{\nu}_\mu \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- n \bar{n} \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	77	77	1	78
79	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to D^- a_1^+ \gamma, \bar{B}^0 \to \pi^0 \rho^0 \rho^- \eta D^{*+}, D^- \to e^- \bar{\nu}_e K^0, a_1^+ \to \pi^0 \rho^+, \rho^0 \to \pi^+ \pi^-,$ $\rho^- \to \pi^0 \pi^-, \eta \to \pi^0 \pi^0 \pi^0, D^{*+} \to \pi^+ D^0, K^0 \to K_L, \rho^+ \to \pi^0 \pi^+, D^0 \to e^+ \nu_e \pi^0 K^-$ $(\Upsilon(4S) \to e^+ e^- \nu_e \bar{\nu}_e K_L \pi^+ \pi^+ \pi^+ \pi^- \pi^- K^- \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	78	78	1	79
80	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to e^+ \nu_e \bar{D}^{*-}, \bar{B}^0 \to \bar{K}^0 D^- D^{*+}, \bar{D}^{*-} \to \pi^- \bar{D}^0, \bar{K}^0 \to K_L, D^- \to \pi^0 \pi^- K_S,$ $D^{*+} \to \pi^+ D^0, \bar{D}^0 \to \pi^+ \pi^- K^*, K_S \to \pi^+ \pi^-, D^0 \to \pi^+ \pi^- \bar{K}^*, K^* \to \pi^- K^+, \bar{K}^* \to \pi^+ K^-$ $(\Upsilon(4S) \to e^+ \nu_e K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- K^+ K^- \gamma\gamma)$	79	79	1	80
81	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to \mu^+ \nu_\mu D_1'^-, \bar{B}^0 \to \pi^+ \pi^- \rho^- \omega D^+, D_1'^- \to \pi^0 \bar{D}^{*-}, \rho^- \to \pi^0 \pi^-, \omega \to \pi^0 \pi^+ \pi^-,$ $D^+ \to \pi^+ \pi^+ K^-, \bar{D}^{*-} \to \pi^- \bar{D}^0, \pi^0 \to e^+ e^-, \bar{D}^0 \to \pi^- \rho^+, \rho^+ \to \pi^0 \pi^+$ $(\Upsilon(4S) \to e^+ e^- \mu^+ \nu_\mu \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- K^- \gamma\gamma\gamma\gamma\gamma\gamma)$	80	80	1	81
82	$\Upsilon(4S) \to \bar{B}^0 \bar{B}^0, \bar{B}^0 \to e^- \bar{\nu}_e D^+, \bar{B}^0 \to \pi^+ \pi^+ \pi^- \pi^- \pi^- D^{*+}, D^+ \to \pi^0 \pi^+ \bar{K}^*, D^{*+} \to \pi^+ D^0, \bar{K}^* \to \pi^+ K^-,$ $D^0 \to \pi^+ \omega K^-, \omega \to \pi^0 \pi^+ \pi^-$ $(\Upsilon(4S) \to e^- \bar{\nu}_e \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^- K^- \gamma\gamma\gamma\gamma)$	81	81	1	82

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
83	$\Upsilon(4S) \to \bar{B}^0\bar{B}^0, \bar{B}^0 \to \tau^-\bar{\nu}_\tau D^+, \bar{B}^0 \to \pi^+\pi^+\pi^-\pi^-\pi^-\pi^- D^+, \tau^- \to \nu_\tau\pi^+\pi^-\pi^-, D^+ \to K_L a_1^+, D^+ \to \pi^0\pi^+\bar{K}^*,$ $a_1^+ \to \rho^0\pi^+, \bar{K}^* \to \pi^+K^-, \rho^0 \to \pi^+\pi^-$ $(\Upsilon(4S) \to \nu_\tau\bar{\nu}_\tau K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^- K^-\gamma\gamma)$	82	82	1	83
84	$\Upsilon(4S) \to B^0 B^0, B^0 \to \pi^0\pi^0\pi^+\omega D^-, B^0 \to \rho^0\pi^- K^+ D^0\bar{D}^{*0}, \omega \to \pi^0\pi^+\pi^-, D^- \to \pi^+\pi^-\pi^- K_S, \rho^0 \to \pi^+\pi^-,$ $D^0 \to K^- a_1^+, \bar{D}^{*0} \to \pi^0\bar{D}^0, K_S \to \pi^+\pi^-, a_1^+ \to \rho^0\pi^+, \bar{D}^0 \to \pi^0\pi^- K^+, \rho^0 \to \pi^+\pi^-$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^- K^+ K^+ K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	83	83	1	84
85	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \mu^+\nu_\mu X_u^-, \bar{B}^0 \to \pi^0\pi^-\omega D^{*+}, X_u^- \to K^* K^-, \omega \to \pi^0\pi^+\pi^-, D^{*+} \to \pi^+ D^0,$ $K^* \to \pi^0 K^0, D^0 \to \pi^+\pi^- K_S, K^0 \to K_S, K_S \to \pi^+\pi^-, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to \mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^- K^-\gamma\gamma\gamma\gamma\gamma)$	84	84	1	85
86	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^0\pi^+\pi^+\rho^- D^-, \bar{B}^0 \to e^-\bar{\nu}_e D^{*+}, \rho^- \to \pi^0\pi^-, D^- \to \pi^0\pi^- K^+ K^-, D^{*+} \to \pi^+ D^0,$ $D^0 \to \pi^0 K_L$ $(\Upsilon(4S) \to e^-\bar{\nu}_e K_L\pi^+\pi^+\pi^+\pi^-\pi^-K^+ K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	85	85	1	86
87	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^+\rho^+\rho^-\omega D^-, \bar{B}^0 \to D^{*+}D_s^-, \rho^+ \to \pi^0\pi^+, \rho^- \to \pi^0\pi^-, \omega \to \pi^0\pi^+\pi^-,$ $D^- \to e^-\bar{\nu}_e K^0, D^{*+} \to \pi^+ D^0, D_s^- \to \rho^-\eta, \pi^0 \to e^+ e^-, K^0 \to K_L, D^0 \to \pi^+\pi^-\bar{K}^*,$ $\rho^- \to \pi^0\pi^-, \eta \to \pi^0\pi^+\pi^-, \bar{K}^* \to \pi^+ K^-$ $(\Upsilon(4S) \to e^+ e^- e^-\bar{\nu}_e K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^- K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	86	86	1	87
88	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \mu^+\nu_\mu D_1'^-, \bar{B}^0 \to \rho^- D_2^{*+}\gamma, D_1'^- \to \pi^-\bar{D}^{*0}, \rho^- \to \pi^0\pi^-, D_2^{*+} \to \pi^+ D^{*0},$ $\bar{D}^{*0} \to \bar{D}^0\gamma, D^{*0} \to D^0\gamma, \bar{D}^0 \to \rho^- K^{*+}, D^0 \to \mu^+\nu_\mu K^-, \rho^- \to \pi^0\pi^-, K^{*+} \to \pi^+ K^0,$ $K^0 \to K_L$ $(\Upsilon(4S) \to \mu^+\mu^+\nu_\mu\nu_\mu K_L\pi^+\pi^+\pi^-\pi^-\pi^- K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	87	87	1	88
89	$\Upsilon(4S) \to \bar{B}^0\bar{B}^0, \bar{B}^0 \to D_2^{*+}D_s^-, \bar{B}^0 \to \pi^0\pi^-\omega D^{*+}, D_2^{*+} \to \pi^+ D^{*0}, D_s^- \to \pi^+\pi^-\pi^-\omega, \omega \to \pi^0\pi^+\pi^-,$ $D^{*+} \to \pi^+ D^0, D^{*0} \to D^0\gamma, \omega \to \pi^0\gamma, D^0 \to \pi^-\rho^+, D^0 \to \pi^0\eta K_S, \rho^+ \to \pi^0\pi^+,$ $\eta \to \gamma\gamma, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	88	88	1	89
90	$\Upsilon(4S) \to B^0 B^0, B^0 \to \tau^+\nu_\tau\bar{D}^{*-}, B^0 \to \pi^-\rho^+ K^0\bar{K}^0\bar{K}^* K^+ D^-, \tau^+ \to \bar{\nu}_\tau\pi^+, \bar{D}^{*-} \to \pi^0 D^-, \rho^+ \to \pi^0\pi^+,$ $K^0 \to K_S, \bar{K}^0 \to K_L, \bar{K}^* \to \pi^+ K^-, D^- \to \pi^0\pi^- K^*, D^- \to \pi^0\pi^0\pi^-\pi^- K^+, K_S \to \pi^0\pi^0,$ $K_L \to \pi^0\pi^0\pi^0, K^* \to \pi^0 K^0, K^0 \to K_S, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to \nu_\tau\bar{\nu}_\tau\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^- K^+ K^+ K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	89	89	1	90
91	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^+\pi^+\pi^-\bar{D}^{*-}, \bar{B}^0 \to \rho^0\pi^+\pi^-\rho^-\eta D^{*+}, \bar{D}^{*-} \to \pi^-\bar{D}^0, \rho^0 \to \pi^+\pi^-, \rho^- \to \pi^0\pi^-,$ $\eta \to \pi^0\pi^0\pi^0, D^{*+} \to \pi^+ D^0, \bar{D}^0 \to \pi^0 K_L\eta, D^0 \to \omega K_S, \eta \to \pi^0\pi^0\pi^0, \omega \to \pi^0\pi^+\pi^-,$ $K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	90	90	1	91
92	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\rho^0\pi^+\rho^-\bar{K}^0 K^+ D^-, \bar{B}^0 \to K^0\bar{K}^0\bar{K}^*\phi, \rho^0 \to \pi^+\pi^-, \rho^- \to \pi^0\pi^-, \bar{K}^0 \to K_L,$ $D^- \to \pi^0 K_L\pi^-, K^0 \to K_L, \bar{K}^0 \to K_L, \bar{K}^* \to \pi^+ K^-, \phi \to K^+ K^-, K_L \to \pi^0\pi^+\pi^-,$ $K_L \to \pi^0\pi^0\pi^0$ $(\Upsilon(4S) \to K_L K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^- K^+ K^+ K^- K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	91	91	1	92

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
93	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to e^+\nu_e D^-, \bar{B}^0 \to \rho^- K^+ K^- D^+, D^- \to \pi^0\pi^- K^*, \rho^- \to \pi^0\pi^-, D^+ \to \mu^+\nu_\mu\pi^+ K^-,$ $K^* \to \pi^- K^+$ $(\Upsilon(4S) \to e^+\nu_e\mu^+\nu_\mu\pi^+\pi^-\pi^-\pi^- K^+ K^+ K^- K^- \gamma\gamma\gamma\gamma)$	92	92	1	93
94	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \mu^+\nu_\mu D^-, \bar{B}^0 \to \pi^0\bar{p}\Lambda_c^+, D^- \to \pi^+\pi^-\pi^- K_S, \Lambda_c^+ \to \rho^0\Sigma^{*+}, K_S \to \pi^0\pi^0,$ $\rho^0 \to \pi^+\pi^-, \Sigma^{*+} \to \pi^+\Lambda, \Lambda \to \pi^- p$ $(\Upsilon(4S) \to \mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^- p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma)$	93	93	1	94
95	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^+\pi^-\omega\omega, \bar{B}^0 \to \mu^-\bar{\nu}_\mu D^{*+}, \omega \to \pi^0\pi^+\pi^-, \omega \to \pi^0\pi^+\pi^-, D^{*+} \to \pi^0 D^+,$ $D^+ \to \pi^0\pi^+ K_S, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to \mu^-\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^- \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	94	94	1	95
96	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to K_S J/\psi, \bar{B}^0 \to D^+ D_s^{*-}, K_S \to \pi^+\pi^-, J/\psi \to \pi^0\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-, D^+ \to e^+\nu_e\bar{K}^0,$ $D_s^{*-} \to D_s^-\gamma, \bar{K}^0 \to K_S, D_s^- \to \pi^-\omega, K_S \to \pi^+\pi^-, \omega \to \pi^0\pi^+\pi^-$ $(\Upsilon(4S) \to e^+\nu_e\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^- \gamma\gamma\gamma\gamma)$	95	95	1	96
97	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \rho^0\pi^+\pi^-\bar{D}^{*0}, \bar{B}^0 \to K^- D^{*+}\bar{D}^{*0}, \rho^0 \to \pi^+\pi^-, \bar{D}^{*0} \to \pi^0\bar{D}^0, D^{*+} \to \pi^+ D^0,$ $\bar{D}^{*0} \to \pi^0\bar{D}^0, \bar{D}^0 \to \pi^- K^+, D^0 \to \eta\eta, \bar{D}^0 \to \pi^0\pi^- K^{*+}, \eta \to \gamma\gamma, \eta \to \pi^0\pi^0\pi^0,$ $K^{*+} \to \pi^0 K^+$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^- K^+ K^+ K^- \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	96	96	1	97
98	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\bar{K}^* K^+\bar{D}^{*-}, \bar{B}^0 \to \bar{K}^*\bar{D}^0 D^{*0}, \bar{K}^* \to \pi^+ K^-, \bar{D}^{*-} \to \pi^-\bar{D}^0, \bar{K}^* \to \pi^0\bar{K}^0,$ $\bar{D}^0 \to \pi^-\omega K^+, D^{*0} \to D^0\gamma, \bar{D}^0 \to K^+ a_1^-, \bar{K}^0 \to K_L, \omega \to \pi^0\gamma, D^0 \to \pi^+ K^-,$ $a_1^- \to \pi^0\rho^-, \rho^- \to \pi^0\pi^-$ $(\Upsilon(4S) \to K_L\pi^+\pi^+\pi^-\pi^-\pi^- K^+ K^+ K^+ K^- K^- \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	97	97	1	98
99	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to D^{*+}\bar{D}^{*-}\gamma\gamma, \bar{B}^0 \to \pi^0\pi^0\rho^0\pi^+\pi^-\rho^- D^+, D^{*+} \to \pi^+ D^0, \bar{D}^{*-} \to \pi^-\bar{D}^0, \rho^0 \to \pi^+\pi^-,$ $\rho^- \to \pi^0\pi^-, D^+ \to \mu^+\nu_\mu\bar{K}^*, D^0 \to \pi^0\pi^+ K^-, \bar{D}^0 \to \pi^0\pi^- K^+, \bar{K}^* \to \pi^+ K^-$ $(\Upsilon(4S) \to \mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^- K^+ K^- K^- \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	98	98	1	99
100	$\Upsilon(4S) \to \bar{B}^0\bar{B}^0, \bar{B}^0 \to \rho^-\bar{n}\Sigma_c^+, \bar{B}^0 \to \pi^0\pi^+\pi^+\pi^-\pi^-\pi^- D^{*+}, \rho^- \to \pi^0\pi^-, \Sigma_c^+ \to \pi^0\Lambda_c^+, D^{*+} \to \pi^+ D^0,$ $\Lambda_c^+ \to e^+\nu_e\Sigma^{*0}, D^0 \to \mu^+\nu_\mu\pi^-\bar{K}^0, \Sigma^{*0} \to \pi^0\Lambda, \bar{K}^0 \to K_S, \Lambda \to \pi^- p, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^+\nu_e\mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^- \bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	99	99	1	100
101	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^+\pi^+\pi^-\bar{D}^{*-}, \bar{B}^0 \to \eta K^* K^{*-} D^+, \bar{D}^{*-} \to \pi^-\bar{D}^0, \eta \to \pi^0\pi^0\pi^0, K^* \to \pi^0 K^0,$ $K^{*-} \to \pi^-\bar{K}^0, D^+ \to K_S K^{*+}, \bar{D}^0 \to e^-\bar{\nu}_e\pi^+, K^0 \to K_L, \bar{K}^0 \to K_S, K_S \to \pi^0\pi^0,$ $K^{*+} \to \pi^+ K^0, K_S \to \pi^+\pi^-, K^0 \to K_S, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^-\bar{\nu}_e K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^- \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	100	100	1	101
102	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \eta K^* D^0\bar{D}^0, \bar{B}^0 \to \rho^- D^{*+}, \eta \to \pi^0\pi^0\pi^0, K^* \to \pi^- K^+, D^0 \to \pi^0\pi^+\pi^- K_S,$ $\bar{D}^0 \to \pi^- K^+, \rho^- \to \pi^0\pi^-, D^{*+} \to \pi^0 D^+, K_S \to \pi^+\pi^-, D^+ \to \pi^+\pi^+ K^-$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^- K^+ K^+ K^- \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	101	101	1	102
103	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \mu^+\nu_\mu D_1^-, \bar{B}^0 \to \pi^+\rho^-\bar{K}^* D^0\bar{D}^0, D_1^- \to \pi^-\bar{D}^{*0}, \rho^- \to \pi^0\pi^-, \bar{K}^* \to \pi^+ K^-,$ $D^0 \to \mu^+\nu_\mu K^-, \bar{D}^0 \to \mu^-\bar{\nu}_\mu K^+, \bar{D}^{*0} \to \bar{D}^0\gamma, \bar{D}^0 \to \pi^0\pi^+\pi^- K_S, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to \mu^+\mu^+\mu^-\nu_\mu\nu_\mu\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^- K^+ K^- K^- \gamma\gamma\gamma\gamma\gamma)$	102	102	1	103

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
104	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^0\pi^+\rho^+K^*K^-\bar{D}^{*-}, \bar{B}^0 \to \mu^-\bar{\nu}_\mu D^{*+}, \rho^+ \to \pi^0\pi^+, K^* \to \pi^-K^+, \bar{D}^{*-} \to \pi^-\bar{D}^0,$ $D^{*+} \to \pi^0 D^+, \bar{D}^0 \to e^-\bar{\nu}_e K^+, D^+ \to e^+\nu_e\bar{K}^0, \bar{K}^0 \to K_L$ $(\Upsilon(4S) \to e^+e^-\nu_e\bar{\nu}_e\mu^-\bar{\nu}_\mu K_L\pi^+\pi^+\pi^-\pi^-K^+K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	103	103	1	104
105	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^+\pi^-\pi^-\rho^+\rho^+\rho^-K^0 D^0, \bar{B}^0 \to D^+\Delta^0\bar{\Delta}^+, \rho^+ \to \pi^0\pi^+, \rho^+ \to \pi^0\pi^+, \rho^- \to \pi^0\pi^-,$ $K^0 \to K_L, D^0 \to \pi^0\pi^+\pi^-K_S, D^+ \to \pi^+\pi^+K_SK^-, \Delta^0 \to \pi^-p, \bar{\Delta}^+ \to \pi^-\bar{n}, K_S \to \pi^+\pi^-,$ $K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^-\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	104	104	1	105
106	$\Upsilon(4S) \to B^0 B^0, B^0 \to \pi^0 K^{*+} D^- D^{*0}, B^0 \to \pi^0\pi^+\pi^+\rho^-\bar{D}^{*-}, K^{*+} \to \pi^+K^0, D^- \to \mu^-\bar{\nu}_\mu K^0, D^{*0} \to \pi^0 D^0,$ $\rho^- \to \pi^0\pi^-, \bar{D}^{*-} \to \pi^-\bar{D}^0, K^0 \to K_S, K^0 \to K_S, D^0 \to \rho^+K^{*-}, \bar{D}^0 \to e^-\bar{\nu}_e\pi^+K^0,$ $K_S \to \pi^0\pi^0, K_S \to \pi^+\pi^-, \rho^+ \to \pi^0\pi^+, K^{*-} \to \pi^-\bar{K}^0, K^0 \to K_L, \bar{K}^0 \to K_L$ $(\Upsilon(4S) \to e^-\bar{\nu}_e\mu^-\bar{\nu}_\mu K_L K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	105	105	1	106
107	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^+\eta\bar{D}^{*-}, \bar{B}^0 \to \pi^-\eta' D^+, \eta \to \gamma\gamma, \bar{D}^{*-} \to \pi^-\bar{D}^0, \eta' \to \pi^0\pi^0\eta,$ $D^+ \to \pi^0\pi^+K_S, \bar{D}^0 \to \pi^-K_1^+, \eta \to \gamma\gamma, K_S \to \pi^+\pi^-, K_1^+ \to \rho^+K^0, \rho^+ \to \pi^0\pi^+,$ $K^0 \to K_S, K_S \to e^+\nu_e\pi^-$ $(\Upsilon(4S) \to e^+\nu_e\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	106	106	1	107
108	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to e^+\nu_e\bar{D}^{*-}, \bar{B}^0 \to \pi^0\pi^-\omega D^{*+}n\bar{n}, \bar{D}^{*-} \to \pi^-\bar{D}^0, \omega \to \pi^0\pi^+\pi^-, D^{*+} \to \pi^+D^0,$ $\bar{D}^0 \to \pi^0\rho^-K^+, D^0 \to \pi^0\pi^+K^-, \rho^- \to \pi^0\pi^-$ $(\Upsilon(4S) \to e^+\nu_e\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	107	107	1	108
109	$\Upsilon(4S) \to B^0 B^0, B^0 \to \pi^0\pi^+\pi^-\bar{K}^0 K^{*+} D^-, B^0 \to \rho^0\pi^+\pi^-\rho^+\eta D^-, \bar{K}^0 \to K_S, K^{*+} \to \pi^0 K^+, D^- \to \pi^-\pi^-K^+,$ $\rho^0 \to \pi^+\pi^-, \rho^+ \to \pi^0\pi^+, \eta \to \pi^0\pi^0\pi^0, D^- \to \pi^-K_1^{'0}, K_S \to \pi^+\pi^-, K_1^{'0} \to \pi^0 K^*,$ $K^* \to \pi^-K^+$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^+K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	108	108	1	109
110	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^0\pi^+\omega\bar{D}^{*-}, \bar{B}^0 \to J/\psi\bar{K}_1^0, \omega \to \pi^0\pi^+\pi^-, \bar{D}^{*-} \to D^-\gamma, J/\psi \to \eta\eta'\gamma,$ $\bar{K}_1^0 \to \rho^+K^-, D^- \to K_S a_1^-, \eta \to \gamma\gamma, \eta' \to \pi^+\pi^-\eta, \rho^+ \to \pi^0\pi^+, K_S \to \pi^0\pi^0,$ $a_1^- \to \pi^0\rho^-, \eta \to \pi^0\pi^0\pi^0, \rho^- \to \pi^0\pi^-$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^-\gamma)$	109	109	1	110
111	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^+\bar{D}^{*-}, \bar{B}^0 \to D^{*0}n\bar{\Delta}^0, \bar{D}^{*-} \to \pi^-\bar{D}^0, D^{*0} \to D^0\gamma, \bar{\Delta}^0 \to \pi^+\bar{p},$ $\bar{D}^0 \to \pi^0 K_L, D^0 \to e^+\nu_e K^-$ $(\Upsilon(4S) \to e^+\nu_e K_L\pi^+\pi^+\pi^-K^-n\bar{p}\gamma\gamma\gamma\gamma\gamma)$	110	110	1	111
112	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \rho^0\pi^+\rho^+\rho^-D^-, \bar{B}^0 \to \pi^0\bar{n}\Xi_c^0, \rho^0 \to \pi^+\pi^-, \rho^+ \to \pi^0\pi^+, \rho^- \to \pi^0\pi^-,$ $D^- \to \pi^-\pi^-K^+, \Xi_c^0 \to \pi^+\bar{K}^0\Sigma^-, \bar{K}^0 \to K_L, \Sigma^- \to \pi^-n$ $(\Upsilon(4S) \to K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma)$	111	111	1	112
113	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \mu^+\nu_\mu\bar{D}^{*-}, \bar{B}^0 \to \mu^-\bar{\nu}_\mu D^{*+}, \bar{D}^{*-} \to \pi^-\bar{D}^0, D^{*+} \to \pi^+D^0, \bar{D}^0 \to \pi^0\rho^-K^+,$ $D^0 \to \pi^0\pi^+K^-, \rho^- \to \pi^0\pi^-$ $(\Upsilon(4S) \to \mu^+\mu^-\nu_\mu\bar{\nu}_\mu\pi^+\pi^+\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma)$	112	13	1	113

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
114	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^+\eta\bar{D}^{*-}, \bar{B}^0 \to e^-\bar{\nu}_e D^+, \eta \to \pi^0\pi^+\pi^-, \bar{D}^{*-} \to \pi^0 D^-, D^+ \to \rho^+\bar{K}^*,$ $D^- \to \pi^0\pi^-K^*, \rho^+ \to \pi^0\pi^+, \bar{K}^* \to \pi^0\bar{K}^0, K^* \to \pi^-K^+, \bar{K}^0 \to K_L, K_L \to \pi^0\pi^0\pi^0$ $(\Upsilon(4S) \to e^-\bar{\nu}_e\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	113	112	1	114
115	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \eta K^0 D^{*0}\bar{D}^{*0}, \bar{B}^0 \to \pi^0\pi^-\omega\omega D^+, \eta \to \gamma\gamma, K^0 \to K_L, D^{*0} \to \pi^0 D^0,$ $\bar{D}^{*0} \to \pi^0\bar{D}^0, \omega \to \pi^0\pi^+\pi^-, \omega \to \pi^0\pi^+\pi^-, D^+ \to e^+\nu_e\bar{K}^0, D^0 \to \pi^0\pi^+K^-, \bar{D}^0 \to \pi^0\pi^-K^+,$ $\bar{K}^0 \to K_S, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^+\nu_e K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	114	113	1	115
116	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \mu^+\nu_\mu\pi^-\bar{D}^{*0}, \bar{B}^0 \to \pi^-\omega D^+, \bar{D}^{*0} \to \pi^0\bar{D}^0, \omega \to \pi^0\pi^+\pi^-, D^+ \to \pi^0\pi^+\bar{K}^*,$ $\bar{D}^0 \to \eta\eta, \bar{K}^* \to \pi^0\bar{K}^0, \eta \to \gamma\gamma, \eta \to \pi^0\pi^+\pi^-, \bar{K}^0 \to K_S, K_S \to \pi^0\pi^0$ $(\Upsilon(4S) \to \mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	115	114	1	116
117	$\Upsilon(4S) \to \bar{B}^0\bar{B}^0, \bar{B}^0 \to D^+ D_{s1}'^-, \bar{B}^0 \to \mu^-\bar{\nu}_\mu D^+, D^+ \to \pi^0\pi^+\phi, D_{s1}'^- \to \pi^0 D_s^{*-}, D^+ \to \pi^0 K_L\pi^+,$ $\phi \to \eta\gamma, D_s^{*-} \to D_s^-\gamma, \eta \to \pi^0\pi^0\pi^0, D_s^- \to \tau^-\bar{\nu}_\tau, \tau^- \to \nu_\tau\pi^-$ $(\Upsilon(4S) \to \mu^-\bar{\nu}_\mu\nu_\tau\bar{\nu}_\tau K_L\pi^+\pi^+\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	116	115	1	117
118	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \omega p\bar{\Lambda}_c^-, \bar{B}^0 \to \pi^0\pi^+\pi^-\pi^- D^{*+}, \omega \to \pi^0\pi^+\pi^-, \bar{\Lambda}_c^- \to K^0\bar{p}, D^{*+} \to \pi^+ D^0,$ $K^0 \to K_S, D^0 \to \pi^0\pi^+\pi^- K_S, K_S \to \pi^+\pi^-, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^- p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma)$	117	116	1	118
119	$\Upsilon(4S) \to B^0 B^0, B^0 \to \pi^+\eta\bar{D}^{*-}, B^0 \to K^+\bar{D}^{*-} D^{*0}, \eta \to \gamma\gamma, \bar{D}^{*-} \to \pi^-\bar{D}^0, \bar{D}^{*-} \to \pi^-\bar{D}^0,$ $D^{*0} \to D^0\gamma, \bar{D}^0 \to \omega K_S, \bar{D}^0 \to \pi^0 K^*, D^0 \to \eta K_S, \omega \to \pi^0\pi^+\pi^-, K_S \to \pi^+\pi^-,$ $K^* \to \pi^0 K^0, \eta \to \pi^0\pi^0\pi^0, K_S \to \pi^0\pi^0, K^0 \to K_S, K_S \to \pi^0\pi^0$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+\gamma)$	118	117	1	119
120	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^+\pi^- K^0\bar{K}^* K^+ D^-, \bar{B}^0 \to \pi^+\pi^- D^+ D_s^-, K^0 \to K_L, \bar{K}^* \to \pi^+K^-, D^- \to \pi^- K_S,$ $D^+ \to \pi^0\pi^+\pi^+K^-, D_s^- \to K^*K^{*-}, K_S \to \pi^+\pi^-, K^* \to \pi^0 K^0, K^{*-} \to \pi^-\bar{K}^0, K^0 \to K_S,$ $\bar{K}^0 \to K_S, K_S \to \pi^+\pi^-, K_S \to \pi^0\pi^0$ $(\Upsilon(4S) \to K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	119	118	1	120
121	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to D^-\bar{\Delta}^-\Delta^0, \bar{B}^0 \to \pi^+\pi^+\rho^-\rho^-\bar{K}^0\eta', D^- \to \pi^0 K_L\pi^-, \bar{\Delta}^- \to \pi^+\bar{n}, \Delta^0 \to \pi^- p,$ $\rho^- \to \pi^0\pi^-, \rho^- \to \pi^0\pi^-, \bar{K}^0 \to K_S, \eta' \to \pi^+\pi^-\eta, K_S \to \pi^+\pi^-, \eta \to \pi^0\pi^+\pi^-$ $(\Upsilon(4S) \to K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	120	119	1	121
122	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\rho^+\omega\omega\bar{D}^{*-}, \bar{B}^0 \to D^{*+}a_1^-, \rho^+ \to \pi^0\pi^+, \omega \to \pi^0\pi^+\pi^-, \omega \to \pi^0\pi^+\pi^-,$ $\bar{D}^{*-} \to \pi^-\bar{D}^0, D^{*+} \to \pi^0 D^+, a_1^- \to \pi^0\rho^-, \bar{D}^0 \to \pi^0\rho^0, D^+ \to \pi^0\pi^+\bar{K}^*, \rho^- \to \pi^0\pi^-,$ $\rho^0 \to \pi^+\pi^-, \bar{K}^* \to \pi^+K^-$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	121	120	1	122
123	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to K^+\bar{D}^{*-} D^{*0}, \bar{B}^0 \to \bar{K}^0 D^{*0}\bar{D}^{*0}, \bar{D}^{*-} \to \pi^0 D^-, D^{*0} \to \pi^0 D^0, \bar{K}^0 \to K_L,$ $D^{*0} \to \pi^0 D^0, \bar{D}^{*0} \to \pi^0\bar{D}^0, D^- \to e^-\bar{\nu}_e\pi^- K^+, D^0 \to \rho^+ K^{*-}, D^0 \to \pi^+\pi^+\pi^-\pi^-, \bar{D}^0 \to \pi^- K^+,$ $\rho^+ \to \pi^0\pi^+, K^{*-} \to \pi^-\bar{K}^0, \bar{K}^0 \to K_S, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^-\bar{\nu}_e K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^+K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	122	121	1	123

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
124	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^0\rho^0\pi^+\eta'\bar{D}^{*-}, \bar{B}^0 \to K^{*-}D^{*+}\bar{D}^{*0}, \rho^0 \to \pi^+\pi^-, \eta' \to \pi^+\pi^-\eta, \bar{D}^{*-} \to \pi^-\bar{D}^0,$ $K^{*-} \to \pi^-\bar{K}^0, D^{*+} \to \pi^+D^0, \bar{D}^{*0} \to \pi^0\bar{D}^0, \eta \to \gamma\gamma, \bar{D}^0 \to e^+\bar{\nu}_e K^+, \bar{K}^0 \to K_S,$ $D^0 \to e^+\nu_e\pi^-\bar{K}^0, \pi^0 \to e^+e^-, \bar{D}^0 \to \pi^+\pi^-K_S, K_S \to \pi^0\pi^0, \bar{K}^0 \to K_L, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^+e^+e^-e^-\nu_e\bar{\nu}_e K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	123	122	1	124
125	$\Upsilon(4S) \to \bar{B}^0\bar{B}^0, \bar{B}^0 \to K^-D^{*+}\bar{D}^{*0}, \bar{B}^0 \to \pi^0\rho^-\omega D^+, D^{*+} \to \pi^0 D^+, \bar{D}^{*0} \to \pi^0\bar{D}^0, \rho^- \to \pi^0\pi^-,$ $\omega \to \pi^0\pi^+\pi^-, D^+ \to \pi^+\pi^+\pi^+\pi^-K^-, D^+ \to \pi^+\bar{K}_1'^0, \bar{D}^0 \to K^+a_1^-, \bar{K}_1'^0 \to \pi^0\bar{K}^*, a_1^- \to \pi^0\rho^-,$ $\bar{K}^* \to \pi^+K^-, \rho^- \to \pi^0\pi^-, \pi^0 \to e^+e^-$ $(\Upsilon(4S) \to e^+e^-\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	124	123	1	125
126	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \bar{D}^{*-}\bar{\Delta}^-\Delta^0, \bar{B}^0 \to \pi^0\pi^0\pi^+\pi^-\pi^-D^{*+}, \bar{D}^{*-} \to \pi^-\bar{D}^0, \bar{\Delta}^- \to \pi^+\bar{n}, \Delta^0 \to \pi^0 n,$ $D^{*+} \to \pi^0 D^+, \bar{D}^0 \to \pi^-K^+, D^+ \to \pi^0\pi^+K_S, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	125	124	1	126
127	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \bar{D}^{*-}D_{s1}'^+, \bar{B}^0 \to \pi^0\pi^-\eta\omega D^{*+}, \bar{D}^{*-} \to \pi^-\bar{D}^0, D_{s1}'^+ \to \pi^0 D_s^{*+}, \eta \to \gamma\gamma,$ $\omega \to \pi^0\pi^+\pi^-, D^{*+} \to \pi^+D^0, \bar{D}^0 \to e^-\bar{\nu}_e K^{*+}, D_s^{*+} \to D_s^+\gamma, D^0 \to \pi^0\pi^+K^{*-}, K^{*+} \to \pi^+K^0,$ $D_s^+ \to \bar{K}^*K^{*+}, K^{*-} \to \pi^-\bar{K}^0, K^0 \to K_S, \bar{K}^* \to \pi^0\bar{K}^0, K^{*+} \to \pi^0K^+, \bar{K}^0 \to K_S,$ $K_S \to \pi^+\pi^-, \bar{K}^0 \to K_L, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^-\bar{\nu}_e K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	126	125	1	127
128	$\Upsilon(4S) \to \bar{B}^0\bar{B}^0, \bar{B}^0 \to \mu^-\bar{\nu}_\mu D_1'^+, \bar{B}^0 \to \bar{K}^*K^-D^+, D_1'^+ \to \pi^+D^{*0}, \bar{K}^* \to \pi^0\bar{K}^0, D^+ \to \pi^0\pi^+K_S,$ $D^{*0} \to D^0\gamma, \bar{K}^0 \to K_L, K_S \to \pi^+\pi^-, D^0 \to K_LK^+K^-$ $(\Upsilon(4S) \to \mu^-\bar{\nu}_\mu K_LK_L\pi^+\pi^+\pi^+\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma\gamma)$	127	126	1	128
129	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \mu^+\nu_\mu D^-, \bar{B}^0 \to \mu^-\bar{\nu}_\mu D^{*+}, D^- \to \rho^-K^*, D^{*+} \to \pi^+D^0, \rho^- \to \pi^0\pi^-,$ $K^* \to \pi^-K^+, D^0 \to K^-a_1^+, a_1^+ \to \pi^0\rho^+, \rho^+ \to \pi^0\pi^+$ $(\Upsilon(4S) \to \mu^+\mu^-\nu_\mu\bar{\nu}_\mu\pi^+\pi^+\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma)$	128	13	1	129
130	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^+K^0K^0D_s^-, \bar{B}^0 \to \pi^+\pi^+\pi^-\pi^-\pi^-D^{*+}, K^0 \to K_S, K^0 \to K_S, D_s^- \to \pi^0\pi^-\omega,$ $D^{*+} \to \pi^+D^0, K_S \to \pi^+\pi^-, K_S \to \pi^0\pi^0, \omega \to \pi^0\pi^+\pi^-, D^0 \to K^-a_1^+, a_1^+ \to \rho^0\pi^+,$ $\rho^0 \to \pi^+\pi^-$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	129	127	1	130
131	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \mu^+\nu_\mu\bar{D}^{*-}, \bar{B}^0 \to D^+a_1^-, \bar{D}^{*-} \to \pi^-\bar{D}^0, D^+ \to K_SK_SK^+, a_1^- \to \pi^0\rho^-,$ $\bar{D}^0 \to K_L\eta', K_S \to \pi^+\pi^-, K_S \to \pi^+\pi^-, \rho^- \to \pi^0\pi^-, \eta' \to \pi^+\pi^-\eta, \eta \to \gamma\gamma$ $(\Upsilon(4S) \to \mu^+\nu_\mu K_L\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma)$	130	128	1	131
132	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\rho^0\pi^+\pi^+\pi^-\eta D^-, \bar{B}^0 \to \pi^0\rho^-\eta D^+, \rho^0 \to \pi^+\pi^-, \eta \to \gamma\gamma, D^- \to \pi^-\rho^-K^+,$ $\rho^- \to \pi^0\pi^-, \eta \to \gamma\gamma, D^+ \to \mu^+\nu_\mu\bar{K}^0, \rho^- \to \pi^0\pi^-, \bar{K}^0 \to K_L$ $(\Upsilon(4S) \to \mu^+\nu_\mu K_L\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	131	129	1	132
133	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^0\pi^0\pi^0\pi^0\pi^0\rho^+\omega\omega D^-, \bar{B}^0 \to \bar{K}^*\bar{\Sigma}^{*0}\Xi_c^0, \rho^+ \to \pi^0\pi^+, \omega \to \pi^0\gamma, \omega \to \pi^0\pi^+\pi^-,$ $D^- \to \pi^-K_S, \bar{K}^* \to \pi^+K^-, \bar{\Sigma}^{*0} \to \pi^+\bar{\Sigma}^-, \Xi_c^0 \to \bar{K}^0\Sigma^0, \pi^0 \to e^+e^-, K_S \to \pi^+\pi^-,$ $\bar{\Sigma}^- \to \pi^-\bar{n}, \bar{K}^0 \to K_S, \Sigma^0 \to \Lambda\gamma, K_S \to \pi^0\pi^0, \Lambda \to \pi^-p$ $(\Upsilon(4S) \to e^+e^-\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^-\bar{n}p\gamma)$	132	130	1	133

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
134	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \rho^+ D^-, \bar{B}^0 \to e^-\bar{\nu}_e\pi^+ D^{*0}, \rho^+ \to \pi^0\pi^+, D^- \to \pi^0\pi^- K^*, D^{*0} \to \pi^0 D^0,$ $K^* \to \pi^- K^+, D^0 \to K^- a_1^+, a_1^+ \to \rho^0\pi^+, \rho^0 \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^-\bar{\nu}_e\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^- K^+ K^- \gamma\gamma\gamma\gamma\gamma\gamma)$	133	131	1	134
135	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \tau^+\nu_\tau\bar{D}^{*-}, \bar{B}^0 \to e^-\bar{\nu}_e D^+, \tau^+ \to \bar{\nu}_\tau\pi^+\pi^+\pi^-, \bar{D}^{*-} \to \pi^-\bar{D}^0, D^+ \to \mu^+\nu_\mu\bar{K}^0,$ $\bar{D}^0 \to \pi^0\rho^- K^+, \bar{K}^0 \to K_L, \rho^- \to \pi^0\pi^-$ $(\Upsilon(4S) \to e^-\bar{\nu}_e\mu^+\nu_\mu\nu_\tau\bar{\nu}_\tau K_L\pi^+\pi^+\pi^-\pi^-\pi^- K^+ \gamma\gamma\gamma\gamma)$	134	132	1	135
136	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\bar{K}^* K^+ D^-, \bar{B}^0 \to \mu^-\bar{\nu}_\mu D_2^{*+}, \bar{K}^* \to \pi^+ K^-, D^- \to e^-\bar{\nu}_e K^0, D_2^{*+} \to \pi^0 D^{*+},$ $K^0 \to K_S, D^{*+} \to \pi^0 D^+, K_S \to \pi^+\pi^-, D^+ \to \pi^0\pi^+\bar{K}^*, \bar{K}^* \to \pi^+ K^-$ $(\Upsilon(4S) \to e^-\bar{\nu}_e\mu^-\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^- K^+ K^- K^- \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	135	133	1	136
137	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^+ D^-, \bar{B}^0 \to \pi^-\eta D^{*+}, D^- \to e^-\bar{\nu}_e\pi^- K^+, \eta \to \pi^0\pi^0\pi^0, D^{*+} \to \pi^+ D^0,$ $D^0 \to K^- a_1^+, a_1^+ \to \pi^0\rho^+, \rho^+ \to \pi^0\pi^+$ $(\Upsilon(4S) \to e^-\bar{\nu}_e\pi^+\pi^+\pi^+\pi^-\pi^- K^+ K^- \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	136	134	1	137
138	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \rho^+\eta K^0\bar{K}^*\bar{D}^{*-}, \bar{B}^0 \to \pi^-\pi^-\rho^+\omega D^+, \rho^+ \to \pi^0\pi^+, \eta \to \pi^0\pi^0\pi^0, K^0 \to K_S,$ $\bar{K}^* \to \pi^+ K^-, \bar{D}^{*-} \to \pi^-\bar{D}^0, \rho^+ \to \pi^0\pi^+, \omega \to \pi^0\pi^+\pi^-, D^+ \to \pi^+\bar{K}_1^{'0}, K_S \to \pi^+\pi^-,$ $\bar{D}^0 \to K_L\pi^+\pi^-, \bar{K}_1^{'0} \to \pi^+ K^{*-}, K^{*-} \to \pi^-\bar{K}^0, \bar{K}^0 \to K_S, K_S \to \pi^0\pi^0$ $(\Upsilon(4S) \to K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^- K^- \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	137	135	1	138
139	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^0\rho^+ D^-, \bar{B}^0 \to \pi^-\bar{\Delta}^+\Sigma_c^{*++}, \rho^+ \to \pi^0\pi^+, D^- \to \mu^-\bar{\nu}_\mu K^*, \bar{\Delta}^+ \to \pi^0\bar{p},$ $\Sigma_c^{*++} \to \pi^+\Lambda_c^+, K^* \to \pi^0 K^0, \Lambda_c^+ \to K^+\Xi^{*0}, K^0 \to K_S, \Xi^{*0} \to \pi^+\Xi^-, K_S \to \pi^+\pi^-,$ $\Xi^- \to \pi^-\Lambda, \Lambda \to \pi^0 n$ $(\Upsilon(4S) \to \mu^-\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^- K^+ n\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	138	136	1	139
140	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^+\eta\omega D^-, \bar{B}^0 \to \tau^-\bar{\nu}_\tau D^{*+}, \eta \to \gamma\gamma, \omega \to \pi^0\pi^+\pi^-, D^- \to K_L a_1^-,$ $\tau^- \to \nu_\tau\pi^0\pi^0\pi^-, D^{*+} \to \pi^0 D^+, a_1^- \to \rho^0\pi^-, D^+ \to \mu^+\nu_\mu\bar{K}^*, \rho^0 \to \pi^+\pi^-, \bar{K}^* \to \pi^+ K^-$ $(\Upsilon(4S) \to \mu^+\nu_\mu\nu_\tau\bar{\nu}_\tau K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^- K^- \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	139	137	1	140
141	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \mu^+\nu_\mu\bar{D}^{*-}, \bar{B}^0 \to D^{*+}D_{s0}^{*-}, \bar{D}^{*-} \to \pi^-\bar{D}^0, D^{*+} \to \pi^0 D^+, D_{s0}^{*-} \to \pi^0 D_s^-,$ $\bar{D}^0 \to e^-\bar{\nu}_e K^{*+}, D^+ \to e^+\nu_e\pi^+ K^-, D_s^- \to K_L\pi^-, K^{*+} \to \pi^+ K^0, K^0 \to K_S, K_S \to \pi^0\pi^0$ $(\Upsilon(4S) \to e^+ e^-\nu_e\bar{\nu}_e\mu^+\nu_\mu K_L\pi^+\pi^+\pi^-\pi^- K^- \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	140	138	1	141
142	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to D^- D_s^{*+}, \bar{B}^0 \to e^-\bar{\nu}_e D^+, D^- \to e^-\bar{\nu}_e K^0, D_s^{*+} \to D_s^+\gamma, D^+ \to e^+\nu_e\bar{K}^0,$ $K^0 \to K_S, D_s^+ \to \bar{K}^* K^{*+}, \bar{K}^0 \to K_S, K_S \to \pi^+\pi^-, \bar{K}^* \to \pi^+ K^-, K^{*+} \to \pi^0 K^+,$ $K_S \to \pi^0\pi^0$ $(\Upsilon(4S) \to e^+ e^- e^-\nu_e\bar{\nu}_e\bar{\nu}_e\pi^+\pi^+\pi^- K^+ K^- \gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	141	139	1	142
143	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \rho^0\pi^+\pi^-\rho^+\bar{D}^{*-}, \bar{B}^0 \to \pi^0\pi^+\pi^-\pi^- D^{*+}, \rho^0 \to \pi^+\pi^-, \rho^+ \to \pi^0\pi^+, \bar{D}^{*-} \to \pi^-\bar{D}^0,$ $D^{*+} \to \pi^+ D^0, \bar{D}^0 \to \pi^0\pi^+\pi^- K^*, D^0 \to \pi^0\eta K_S, K^* \to \pi^- K^+, \eta \to \gamma\gamma, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^- K^+ \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	142	140	1	143
144	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \omega\bar{D}^{*-}D_s^+\gamma, \bar{B}^0 \to e^-\bar{\nu}_e D^{*+}, \omega \to \pi^0\pi^+\pi^-, \bar{D}^{*-} \to \pi^0 D^-, D_s^+ \to e^+\nu_e\eta,$ $D^{*+} \to \pi^+ D^0, D^- \to e^-\bar{\nu}_e K^*, \eta \to \gamma\gamma, D^0 \to e^+\nu_e K^-, K^* \to \pi^- K^+$ $(\Upsilon(4S) \to e^+ e^+ e^- e^-\nu_e\nu_e\bar{\nu}_e\bar{\nu}_e\pi^+\pi^+\pi^-\pi^- K^+ K^- \gamma\gamma\gamma\gamma\gamma\gamma)$	143	141	1	144

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
145	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to \rho^0 \pi^+ \pi^- \eta K^*, \bar{B}^0 \to \pi^0 \pi^0 \pi^0 \rho^- \eta D^{*+}, \rho^0 \to \pi^+ \pi^-, \eta \to \pi^0 \pi^+ \pi^-, K^* \to \pi^- K^+,$ $\rho^- \to \pi^0 \pi^-, \eta \to \pi^0 \pi^+ \pi^-, D^{*+} \to \pi^+ D^0, D^0 \to \omega \bar{K}^*, \omega \to \pi^0 \pi^+ \pi^-, \bar{K}^* \to \pi^0 \bar{K}^0,$ $\bar{K}^0 \to K_S, K_S \to \pi^+ \pi^-$ $(\Upsilon(4S) \to \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- K^+ \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	144	142	1	145
146	$\Upsilon(4S) \to \bar{B}^0 \bar{B}^0, \bar{B}^0 \to e^- \bar{\nu}_e D^+, \bar{B}^0 \to \pi^- \eta' D^+, D^+ \to \mu^+ \nu_\mu \eta, \eta' \to \pi^+ \pi^- \eta, D^+ \to K_S a_1^+,$ $\eta \to \pi^+ \pi^-, \eta \to \pi^0 \pi^0 \pi^0, K_S \to \pi^+ \pi^-, a_1^+ \to \pi^0 \rho^+, \rho^+ \to \pi^0 \pi^+$ $(\Upsilon(4S) \to e^- \bar{\nu}_e \mu^+ \nu_\mu \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	145	143	1	146
147	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to \bar{D}^{*-} D_s^{*+}, \bar{B}^0 \to \tau^- \bar{\nu}_\tau D^+, \bar{D}^{*-} \to \pi^0 D^-, D_s^{*+} \to D_s^+ \gamma, \tau^- \to e^- \bar{\nu}_e \nu_\tau,$ $D^+ \to \pi^+ K_S, D^- \to \mu^- \bar{\nu}_\mu K^*, D_s^+ \to \rho^+ \phi, K_S \to \pi^+ \pi^-, K^* \to \pi^- K^+, \rho^+ \to \pi^0 \pi^+,$ $\phi \to K_L K_S, K_S \to \pi^+ \pi^-$ $(\Upsilon(4S) \to e^- \bar{\nu}_e \mu^- \bar{\nu}_\mu \nu_\tau \bar{\nu}_\tau K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- K^+ \gamma\gamma\gamma\gamma\gamma)$	146	144	1	147
148	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to \pi^+ \bar{D}^{*-}, \bar{B}^0 \to \pi^- \bar{K}^0 D^+, \bar{D}^{*-} \to \pi^- \bar{D}^0, \bar{K}^0 \to K_S, D^+ \to \mu^+ \nu_\mu \bar{K}^0,$ $\bar{D}^0 \to \pi^0 \pi^- K^+, K_S \to \pi^0 \pi^0, \bar{K}^0 \to K_S, K_S \to \pi^0 \pi^0$ $(\Upsilon(4S) \to \mu^+ \nu_\mu \pi^+ \pi^- \pi^- \pi^- K^+ \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	147	145	1	148
149	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to \mu^+ \nu_\mu D^-, \bar{B}^0 \to D^{*+} a_1^-, D^- \to e^- \bar{\nu}_e K_2^{*0}, D^{*+} \to \pi^0 D^+, a_1^- \to \pi^0 \rho^-,$ $K_2^{*0} \to \pi^0 K^0, D^+ \to \mu^+ \nu_\mu \bar{K}^*, \rho^- \to \pi^0 \pi^-, K^0 \to K_L, \bar{K}^* \to \pi^0 \bar{K}^0, \bar{K}^0 \to K_S,$ $K_S \to \pi^+ \pi^-$ $(\Upsilon(4S) \to e^- \bar{\nu}_e \mu^+ \mu^+ \nu_\mu \nu_\mu K_L \pi^+ \pi^- \pi^- \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	148	146	1	149
150	$\Upsilon(4S) \to B^0 B^0, B^0 \to \pi^+ \pi^- \bar{D}^0, B^0 \to \pi^+ \omega D^- n \bar{n}, \bar{D}^0 \to K^+ a_1^-, \omega \to \pi^0 \pi^+ \pi^-, D^- \to \pi^0 \pi^- K^*,$ $a_1^- \to \pi^0 \rho^-, K^* \to \pi^0 K^0, \rho^- \to \pi^0 \pi^-, K^0 \to K_L$ $(\Upsilon(4S) \to K_L \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- K^+ n \bar{n} \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	149	147	1	150
151	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to \pi^0 \pi^+ \bar{D}^{*-}, \bar{B}^0 \to \pi^- D^+, \bar{D}^{*-} \to \pi^- \bar{D}^0, D^+ \to \mu^+ \nu_\mu \bar{K}^0, \bar{D}^0 \to e^- \bar{\nu}_e \pi^0 K^+,$ $\bar{K}^0 \to K_S, K_S \to \pi^+ \pi^-$ $(\Upsilon(4S) \to e^- \bar{\nu}_e \mu^+ \nu_\mu \pi^+ \pi^+ \pi^- \pi^- \pi^- K^+ \gamma\gamma\gamma\gamma)$	150	148	1	151
152	$\Upsilon(4S) \to B^0 B^0, B^0 \to \tau^+ \nu_\tau \bar{D}^{*-}, B^0 \to K^0 D^0 \bar{D}^{*0}, \tau^+ \to \bar{\nu}_\tau \pi^0 \pi^+, \bar{D}^{*-} \to \pi^- \bar{D}^0, K^0 \to K_S,$ $D^0 \to \pi^0 \pi^+ \pi^- \bar{K}^*, \bar{D}^{*0} \to \pi^0 \bar{D}^0, \bar{D}^0 \to e^- \bar{\nu}_e \pi^+ K^0, K_S \to \pi^+ \pi^-, \bar{K}^* \to \pi^0 \bar{K}^0, \bar{D}^0 \to \pi^- K_1^+,$ $K^0 \to K_S, \bar{K}^0 \to K_L, K_1^+ \to \rho^+ K^0, K_S \to \pi^+ \pi^-, \rho^+ \to \pi^0 \pi^+, K^0 \to K_L$ $(\Upsilon(4S) \to e^- \bar{\nu}_e \nu_\tau \bar{\nu}_\tau K_L K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	151	149	1	152
153	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to \pi^0 \pi^+ \bar{D}^{*-} \Sigma^+ \bar{\Sigma}^-, \bar{B}^0 \to \pi^0 \pi^+ \pi^- \rho^- K^0 \bar{K}^0 D^+, \bar{D}^{*-} \to \pi^- \bar{D}^0, \Sigma^+ \to \pi^+ n, \bar{\Sigma}^- \to \pi^- \bar{n},$ $\rho^- \to \pi^0 \pi^-, K^0 \to K_S, \bar{K}^0 \to K_L, D^+ \to \mu^+ \nu_\mu \bar{K}^*, \bar{D}^0 \to K_L \pi^+ \pi^-, K_S \to \pi^0 \pi^0,$ $\bar{K}^* \to \pi^+ K^-, K_L \to \pi^0 \pi^+ \pi^-$ $(\Upsilon(4S) \to \mu^+ \nu_\mu K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- K^- n \bar{n} \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	152	150	1	153
154	$\Upsilon(4S) \to \bar{B}^0 \bar{B}^0, \bar{B}^0 \to \pi^0 \pi^- \omega D^+ p \bar{p}, \bar{B}^0 \to \pi^0 \pi^0 \pi^+ \pi^+ \pi^- \pi^- \pi^- \rho^+ \omega D^0, \omega \to \pi^0 \pi^+ \pi^-, D^+ \to \pi^+ \bar{K}_1^{'0}, \rho^+ \to \pi^0 \pi^+,$ $\omega \to \pi^0 \pi^+ \pi^-, D^0 \to \rho^+ K^{*-}, \bar{K}_1^{'0} \to \pi^+ K^{*-}, \rho^+ \to \pi^0 \pi^+, K^{*-} \to \pi^- \bar{K}^0, K^{*-} \to \pi^0 K^-,$ $\bar{K}^0 \to K_S, K_S \to \pi^0 \pi^0$ $(\Upsilon(4S) \to \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- K^- p \bar{p} \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	153	151	1	154

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
155	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^0\rho^0\pi^+\pi^-\rho^+D^-, \bar{B}^0 \to \pi^0\pi^+K^-D^+\bar{D}^{*-}, \rho^0 \to \pi^+\pi^-, \rho^+ \to \pi^0\pi^+, D^- \to e^-\bar{\nu}_e K^0,$ $D^+ \to \mu^+\nu_\mu\pi^+K^-, \bar{D}^{*-} \to \pi^-\bar{D}^0, K^0 \to K_L, \bar{D}^0 \to K_L\pi^-K^+, K_L \to \pi^0\pi^0\pi^0$ $(\Upsilon(4S) \to e^-\bar{\nu}_e\mu^+\nu_\mu K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	154	152	1	155
156	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^+\pi^+\pi^-\eta D^-\bar{\Sigma}^+\Sigma^-, \bar{B}^0 \to \mu^-\bar{\nu}_\mu D^{*+}, \eta \to \gamma\gamma, D^- \to \mu^-\bar{\nu}_\mu\pi^-K^+, \bar{\Sigma}^+ \to \pi^+\bar{n},$ $\Sigma^- \to \pi^-n, D^{*+} \to \pi^+D^0, D^0 \to K^-a_1^+, a_1^+ \to \rho^0\pi^+, \rho^0 \to \pi^+\pi^-$ $(\Upsilon(4S) \to \mu^-\mu^-\bar{\nu}_\mu\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-n\bar{n}\gamma\gamma)$	155	153	1	156
157	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \bar{D}^{*0}\bar{p}\Delta^+, \bar{B}^0 \to \pi^0\pi^0\rho^0\rho^0\rho^-D^{*+}, \bar{D}^{*0} \to \pi^0\bar{D}^0, \Delta^+ \to \pi^+n, \rho^0 \to \pi^+\pi^-,$ $\rho^0 \to \pi^+\pi^-, \rho^- \to \pi^0\pi^-, D^{*+} \to \pi^0D^+, \bar{D}^0 \to \mu^-\bar{\nu}_\mu K^+, D^+ \to \pi^+\pi^+K^-$ $(\Upsilon(4S) \to \mu^-\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^-n\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	156	154	1	157
158	$\Upsilon(4S) \to \bar{B}^0\bar{B}^0, \bar{B}^0 \to \pi^-D^{*+}, \bar{B}^0 \to \bar{K}^*J/\psi, D^{*+} \to \pi^+D^0, \bar{K}^* \to \pi^0\bar{K}^0, J/\psi \to \rho^+a_2^-,$ $D^0 \to \mu^+\nu_\mu K^-, \bar{K}^0 \to K_S, \rho^+ \to \pi^0\pi^+, a_2^- \to \bar{K}^0K^-, K_S \to \pi^+\pi^-, \bar{K}^0 \to K_L$ $(\Upsilon(4S) \to \mu^+\nu_\mu K_L\pi^+\pi^+\pi^+\pi^-\pi^-K^-K^-\gamma\gamma\gamma\gamma)$	157	155	1	158
159	$\Upsilon(4S) \to \bar{B}^0\bar{B}^0, \bar{B}^0 \to D^{*+}D_s^{*-}, \bar{B}^0 \to e^-\bar{\nu}_e\pi^+D^{*0}, D^{*+} \to \pi^0D^+, D_s^{*-} \to D_s^-\gamma, D^{*0} \to \pi^0D^0,$ $D^+ \to \pi^0K_L\pi^+, D_s^- \to K^0K^{*-}, D^0 \to \pi^+\pi^-K^+K^-, K^0 \to K_L, K^{*-} \to \pi^-\bar{K}^0, \bar{K}^0 \to K_S,$ $K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^-\bar{\nu}_e K_L K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	158	156	1	159
160	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^-K^0D^{*+}, \bar{B}^0 \to \pi^-\rho^+\rho^-K^+K^-D^+, K^0 \to K_L, D^{*+} \to \pi^0D^+, \rho^+ \to \pi^0\pi^+,$ $\rho^- \to \pi^0\pi^-, D^+ \to e^+\nu_e\bar{K}^0, D^+ \to \mu^+\nu_\mu\bar{K}^*, \bar{K}^0 \to K_S, \bar{K}^* \to \pi^+K^-, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^+\nu_e\mu^+\nu_\mu K_L\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma)$	159	157	1	160
161	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to e^+\nu_e D_0^{*-}, \bar{B}^0 \to \pi^0\pi^+\pi^-\pi^-\pi^-\rho^+\omega\omega D^{*+}, D_0^{*-} \to \pi^-\bar{D}^0, \rho^+ \to \pi^0\pi^+, \omega \to \pi^0\gamma,$ $\omega \to \pi^0\pi^+\pi^-, D^{*+} \to \pi^0D^+, \bar{D}^0 \to e^-\bar{\nu}_e\rho^+, D^+ \to \pi^+\pi^+K^-, \rho^+ \to \pi^0\pi^+$ $(\Upsilon(4S) \to e^+e^-\nu_e\bar{\nu}_e\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	160	158	1	161
162	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \omega\bar{K}^0K^+\bar{D}^{*-}, \bar{B}^0 \to K^-D^{*+}\bar{D}^{*0}, \omega \to \pi^0\pi^+\pi^-, \bar{K}^0 \to K_S, \bar{D}^{*-} \to \pi^0D^-,$ $D^{*+} \to \pi^+D^0, \bar{D}^{*0} \to \bar{D}^0\gamma, K_S \to \pi^+\pi^-, D^- \to \pi^-\pi^-K^+, D^0 \to \pi^0\pi^+\pi^-K_S, \bar{D}^0 \to \rho^-K^{*+},$ $K_S \to \pi^0\pi^0, \rho^- \to \pi^0\pi^-, K^{*+} \to \pi^+K^0, K^0 \to K_S, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	161	159	1	162
163	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to K^{*+}\bar{D}^{*-}D^{*0}, \bar{B}^0 \to \pi^0\pi^0\pi^+K^-\bar{D}^0D^{*0}, K^{*+} \to \pi^+K^0, \bar{D}^{*-} \to \pi^0D^-, D^{*0} \to \pi^0D^0,$ $\bar{D}^0 \to K_L\pi^+\pi^-, D^{*0} \to \pi^0D^0, K^0 \to K_S, D^- \to \mu^-\bar{\nu}_\mu\pi^-K^+, D^0 \to \pi^0\rho^0, D^0 \to \pi^0\pi^+K^-,$ $K_S \to \pi^+\pi^-, \rho^0 \to \pi^+\pi^-$ $(\Upsilon(4S) \to \mu^-\bar{\nu}_\mu K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	162	160	1	163
164	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^+\bar{D}^{*-}D^{*0}, \bar{B}^0 \to \eta D^{*+}D_s^-, \bar{D}^{*-} \to D^-\gamma, D^{*0} \to D^0\gamma, \eta \to \gamma\gamma,$ $D^{*+} \to \pi^0D^+, D_s^- \to \mu^-\bar{\nu}_\mu\eta', D^- \to K_SK_SK^-, D^0 \to e^+\nu_e\pi^-\bar{K}^0, D^+ \to \mu^+\nu_\mu\bar{K}^0, \eta' \to \pi^0\pi^0\eta,$ $K_S \to \pi^0\pi^0, K_S \to \pi^+\pi^-, \bar{K}^0 \to K_S, \bar{K}^0 \to K_S, \eta \to \gamma\gamma, K_S \to \pi^+\pi^-,$ $K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^+\nu_e\mu^+\mu^-\nu_\mu\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	163	161	1	164

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
165	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^+K^0\bar{K}^0\bar{D}^{*-}, \bar{B}^0 \to \pi^0\pi^0\pi^-D^{*+}, K^0 \to K_L, \bar{K}^0 \to K_L, \bar{D}^{*-} \to \pi^-\bar{D}^0,$ $D^{*+} \to \pi^0D^+, \bar{D}^0 \to \pi^0\pi^-K^+, D^+ \to \pi^0\pi^+\phi, \phi \to K_LK_S, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to K_LK_LK_L\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	164	162	1	165
166	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^-p\bar{\Xi}_c^{*0}, \bar{B}^0 \to e^-\bar{\nu}_eD^{*+}, \bar{\Xi}_c^{*0} \to \pi^0\bar{\Xi}_c^0, D^{*+} \to \pi^+D^0, \bar{\Xi}_c^0 \to K^0\bar{\Sigma}^0,$ $D^0 \to \rho^+K^{*-}, K^0 \to K_S, \bar{\Sigma}^0 \to \bar{\Lambda}\gamma, \rho^+ \to \pi^0\pi^+, K^{*-} \to \pi^-\bar{K}^0, K_S \to \pi^0\pi^0,$ $\bar{\Lambda} \to \pi^+\bar{p}, \bar{K}^0 \to K_S, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^-\bar{\nu}_e\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	165	163	1	166
167	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to e^+\nu_e\bar{D}^{*-}, \bar{B}^0 \to \rho^-D^{*+}, \bar{D}^{*-} \to \pi^-\bar{D}^0, \rho^- \to \pi^0\pi^-, D^{*+} \to D^+\gamma,$ $\bar{D}^0 \to \pi^+\rho^-, D^+ \to \pi^+\pi^+K^-, \rho^- \to \pi^0\pi^-$ $(\Upsilon(4S) \to e^+\nu_e\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma)$	166	164	1	167
168	$\Upsilon(4S) \to B^0B^0, B^0 \to K^{*+}\bar{D}^{*-}D^0, B^0 \to \pi^0\pi^0\pi^+D^-, K^{*+} \to \pi^+K^0, \bar{D}^{*-} \to \pi^0D^-, D^0 \to \rho^+K^{*-},$ $D^- \to \pi^-K_1'^0, K^0 \to K_S, D^- \to \pi^-K_S, \rho^+ \to \pi^0\pi^+, K^{*-} \to \pi^-\bar{K}^0, K_1'^0 \to \pi^-K^{*+},$ $K_S \to \pi^0\pi^0, K_S \to \pi^+\pi^-, \bar{K}^0 \to K_S, K^{*+} \to \pi^+K^0, K_S \to \pi^+\pi^-, K^0 \to K_L$ $(\Upsilon(4S) \to K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	167	165	1	168
169	$\Upsilon(4S) \to B^0B^0, B^0 \to K^{*+}\bar{D}^{*-}D^{*0}, B^0 \to \pi^0\eta\bar{K}^0K^+D^-, K^{*+} \to \pi^+K^0, \bar{D}^{*-} \to \pi^-\bar{D}^0, D^{*0} \to D^0\gamma,$ $\eta \to \pi^0\pi^0\pi^0, \bar{K}^0 \to K_S, D^- \to \mu^-\bar{\nu}_\mu\eta, K^0 \to K_L, \bar{D}^0 \to \pi^+\rho^-, D^0 \to \pi^0\pi^+K^-,$ $K_S \to \pi^+\pi^-, \eta \to \pi^0\pi^+\pi^-, \rho^- \to \pi^0\pi^-, \pi^0 \to e^+e^-$ $(\Upsilon(4S) \to e^+e^-\mu^-\bar{\nu}_\mu K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	168	166	1	169
170	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \tau^+\nu_\tau D_2^{*-}, \bar{B}^0 \to \rho^0\pi^-\rho^+\rho^-\eta\omega D^+, \tau^+ \to \bar{\nu}_\tau\pi^0\pi^+, D_2^{*-} \to \pi^-\bar{D}^0, \rho^0 \to \pi^+\pi^-,$ $\rho^+ \to \pi^0\pi^+, \rho^- \to \pi^0\pi^-, \eta \to \pi^0\pi^0\pi^0, \omega \to \pi^0\pi^+\pi^-, D^+ \to e^+\nu_e\pi^+K^-, \bar{D}^0 \to K_L\pi^+\pi^-$ $(\Upsilon(4S) \to e^+\nu_e\nu_\tau\bar{\nu}_\tau K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	169	167	1	170
171	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \bar{K}^*K^{*+}D^-, \bar{B}^0 \to K^-D^+\bar{D}^{*0}, \bar{K}^* \to \pi^+K^-, K^{*+} \to \pi^+K^0, D^- \to \pi^0K_L\pi^-,$ $D^+ \to e^+\nu_e\bar{K}^0, \bar{D}^{*0} \to \bar{D}^0\gamma, K^0 \to K_S, K_L \to e^+\nu_e\pi^-, \bar{K}^0 \to K_S, \bar{D}^0 \to \pi^0\pi^-K^+,$ $K_S \to \pi^+\pi^-, K_S \to \pi^0\pi^0$ $(\Upsilon(4S) \to e^+e^+\nu_e\nu_e\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	170	168	1	171
172	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^0\rho^0\pi^+D^-, \bar{B}^0 \to \pi^+\rho^-\rho^-K^0\bar{K}^0D^{*+}, \rho^0 \to \pi^+\pi^-, D^- \to \mu^-\bar{\nu}_\mu\pi^-K^+, \rho^- \to \pi^0\pi^-,$ $\rho^- \to \pi^0\pi^-, K^0 \to K_L, \bar{K}^0 \to K_S, D^{*+} \to \pi^+D^0, K_S \to \pi^0\pi^0, D^0 \to \pi^+\pi^-\bar{K}^*,$ $\bar{K}^* \to \pi^+K^-$ $(\Upsilon(4S) \to \mu^-\bar{\nu}_\mu K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	171	169	1	172
173	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\eta K^0D^+\bar{D}^{*-}, \bar{B}^0 \to \rho^0D^{*+}n\bar{p}, \eta \to \pi^0\pi^0\pi^0, K^0 \to K_L, D^+ \to K_Sa_1^+,$ $\bar{D}^{*-} \to \pi^-\bar{D}^0, \rho^0 \to \pi^+\pi^-, D^{*+} \to \pi^+D^0, K_S \to \pi^0\pi^0, a_1^+ \to \pi^0\rho^+, \bar{D}^0 \to \eta\eta',$ $D^0 \to \pi^-K_SK^+, \rho^+ \to \pi^0\pi^+, \eta \to \gamma\gamma, \eta' \to \pi^0\pi^0\eta, K_S \to \pi^+\pi^-, \eta \to \pi^0\pi^0\pi^0$ $(\Upsilon(4S) \to K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+n\bar{p}\gamma)$	172	170	1	173
174	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\eta\bar{K}^0K^+D^-, \bar{B}^0 \to \pi^-\rho^-D^{*+}\bar{n}p, \eta \to \pi^0\pi^0\pi^0, \bar{K}^0 \to K_L, D^- \to e^-\bar{\nu}_e\pi^-K^+,$ $\rho^- \to \pi^0\pi^-, D^{*+} \to \pi^+D^0, D^0 \to \pi^0\pi^+\pi^-K_S, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^-\bar{\nu}_e K_L\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^+\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	173	171	1	174

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
175	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \rho^0 n\bar{\Sigma}_c^{*0}, \bar{B}^0 \to \pi^-\pi^-\rho^+D^+, \rho^0 \to \pi^+\pi^-, \bar{\Sigma}_c^{*0} \to \pi^+\bar{\Lambda}_c^-, \rho^+ \to \pi^0\pi^+,$ $D^+ \to \pi^+\bar{K}_1^{'0}, \bar{\Lambda}_c^- \to \pi^-\bar{n}, \bar{K}_1^{'0} \to \pi^+K^{*-}, K^{*-} \to \pi^-\bar{K}^0, \bar{K}^0 \to K_S, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-n\bar{n}\gamma\gamma)$	174	172	1	175
176	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to e^+\nu_e\bar{D}^{*-}, \bar{B}^0 \to e^-\bar{\nu}_eD^+, \bar{D}^{*-} \to \pi^-\bar{D}^0, D^+ \to \mu^+\nu_\mu\bar{K}^0, \bar{D}^0 \to \pi^0\pi^-K^+,$ $\bar{K}^0 \to K_S, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^+e^-\nu_e\bar{\nu}_e\mu^+\nu_\mu\pi^+\pi^-\pi^-\pi^-K^+\gamma\gamma)$	175	173	1	176
177	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to e^+\nu_e\bar{D}^{*-}, \bar{B}^0 \to e^-\bar{\nu}_eD^{*+}, \bar{D}^{*-} \to \pi^0D^-, D^{*+} \to \pi^0D^+, D^- \to e^-\bar{\nu}_eK^0,$ $D^+ \to \pi^+K_S, K^0 \to K_S, K_S \to \pi^+\pi^-, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^+e^-e^-\nu_e\bar{\nu}_e\bar{\nu}_e\pi^+\pi^+\pi^+\pi^-\pi^-\gamma\gamma\gamma\gamma)$	176	174	1	177
178	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \mu^+\nu_\mu D^-, \bar{B}^0 \to \bar{K}^*\phi\eta_c, D^- \to K_L a_1^-, \bar{K}^* \to \pi^+K^-, \phi \to K_LK_S,$ $\eta_c \to \pi^0\pi^+\pi^-\pi^-\rho^+\omega, a_1^- \to \pi^0\rho^-, K_S \to \pi^0\pi^0, \rho^+ \to \pi^0\pi^+, \omega \to \pi^0\pi^+\pi^-, \rho^- \to \pi^0\pi^-$ $(\Upsilon(4S) \to \mu^+\nu_\mu K_LK_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	177	175	1	178
179	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \rho^0\rho^0\pi^+D^-, \bar{B}^0 \to \rho^-\omega\bar{K}^*D_s^+, \rho^0 \to \pi^+\pi^-, \rho^0 \to \pi^+\pi^-, D^- \to \pi^-\pi^-K^+,$ $\rho^- \to \pi^0\pi^-, \omega \to \pi^0\pi^+\pi^-, \bar{K}^* \to \pi^0\bar{K}^0, D_s^+ \to \pi^+\phi, \bar{K}^0 \to K_L, \phi \to \pi^0\pi^+\pi^-$ $(\Upsilon(4S) \to K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma)$	178	176	1	179
180	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to K^{*+}\bar{D}^{*-}D^{*0}, \bar{B}^0 \to e^-\bar{\nu}_eD^{*+}, K^{*+} \to \pi^+K^0, \bar{D}^{*-} \to \pi^0D^-, D^{*0} \to D^0\gamma,$ $D^{*+} \to \pi^0D^+, K^0 \to K_S, D^- \to \mu^-\bar{\nu}_\mu\pi^-K^+, D^0 \to \omega K_S, D^+ \to \mu^+\nu_\mu\pi^+K^-, K_S \to \pi^+\pi^-,$ $\omega \to \pi^0\pi^+\pi^-, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^-\bar{\nu}_e\mu^+\mu^-\nu_\mu\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma)$	179	177	1	180
181	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \rho^-\bar{D}^0D_s^{*+}, \bar{B}^0 \to D^+D_s^-, \rho^- \to \pi^0\pi^-, \bar{D}^0 \to \mu^-\bar{\nu}_\mu\pi^0K^+, D_s^{*+} \to D_s^+\gamma,$ $D^+ \to \mu^+\nu_\mu\bar{K}^*, D_s^- \to \rho^-\eta, D_s^+ \to \pi^+\pi^+\pi^-\omega, \bar{K}^* \to \pi^+K^-, \rho^- \to \pi^0\pi^-, \eta \to \pi^0\pi^0\pi^0,$ $\omega \to \pi^0\pi^+\pi^-$ $(\Upsilon(4S) \to \mu^+\mu^-\nu_\mu\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	180	178	1	181
182	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^0\bar{K}^0K^+\bar{D}^{*-}, \bar{B}^0 \to \mu^-\bar{\nu}_\mu D^{*+}, \bar{K}^0 \to K_L, \bar{D}^{*-} \to \pi^-\bar{D}^0, D^{*+} \to \pi^+D^0,$ $K_L \to e^+\nu_e\pi^-, \bar{D}^0 \to \mu^-\bar{\nu}_\mu K^+, D^0 \to \pi^0\pi^+K^-$ $(\Upsilon(4S) \to e^+\nu_e\mu^-\mu^-\bar{\nu}_\mu\bar{\nu}_\mu\pi^+\pi^+\pi^-\pi^-K^+K^+K^-\gamma\gamma\gamma\gamma\gamma)$	181	179	1	182
183	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\Sigma^0\bar{\Xi}_c^0, \bar{B}^0 \to \rho^-D^{*+}, \Sigma^0 \to \Lambda\gamma, \bar{\Xi}_c^0 \to \pi^-K^0\bar{\Sigma}^+, \rho^- \to \pi^0\pi^-,$ $D^{*+} \to D^+\gamma, \Lambda \to \pi^0 n, K^0 \to K_L, \bar{\Sigma}^+ \to \pi^+\bar{n}, D^+ \to \pi^0\pi^+K_S, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to K_L\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	182	180	1	183
184	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^+\pi^+\pi^-\bar{D}^{*-}, \bar{B}^0 \to D^{*+}\Delta^0\bar{\Delta}^+, \bar{D}^{*-} \to \pi^-\bar{D}^0, D^{*+} \to \pi^0D^+, \Delta^0 \to \pi^0 n,$ $\bar{\Delta}^+ \to \pi^0\bar{p}, \bar{D}^0 \to \rho^-K^{*+}, D^+ \to \pi^0K_L\pi^+, \rho^- \to \pi^0\pi^-, K^{*+} \to \pi^+K^0, K^0 \to K_L,$ $K_L \to \pi^0\pi^0\pi^0$ $(\Upsilon(4S) \to K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-n\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	183	181	1	184
185	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^0\pi^0\pi^0\pi^+\pi^-, \bar{B}^0 \to \tau^-\bar{\nu}_\tau D_1^+, \tau^- \to \mu^-\bar{\nu}_\mu\nu_\tau, D_1^+ \to \pi^0D^{*+}, D^{*+} \to \pi^+D^0,$ $D^0 \to K^-a_1^+, a_1^+ \to \rho^0\pi^+, \rho^0 \to \pi^+\pi^-$ $(\Upsilon(4S) \to \mu^-\bar{\nu}_\mu\nu_\tau\bar{\nu}_\tau\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	184	182	1	185

index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
186	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^+\pi^-\omega\bar{K}^*K^+\bar{D}^{*-}, \bar{B}^0 \to \mu^-\bar{\nu}_\mu D^{*+}, \omega \to \pi^0\pi^+\pi^-, \bar{K}^* \to \pi^+K^-, \bar{D}^{*-} \to \pi^0 D^-,$ $D^{*+} \to \pi^0 D^+, D^- \to \mu^-\bar{\nu}_\mu K^*, D^+ \to \mu^+\nu_\mu\pi^+K^-, K^* \to \pi^0 K^0, K^0 \to K_S, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to \mu^+\mu^-\mu^-\nu_\mu\bar{\nu}_\mu\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	185	183	1	186
187	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \bar{D}^{*-}D_s^{*+}, \bar{B}^0 \to \pi^+\pi^+\pi^-\pi^-\bar{D}^{*0}, \bar{D}^{*-} \to \pi^-\bar{D}^0, D_s^{*+} \to D_s^+\gamma, \bar{D}^{*0} \to \bar{D}^0\gamma,$ $\bar{D}^0 \to \pi^-K^+, D_s^+ \to \rho^+\phi, \bar{D}^0 \to \pi^+\pi^-K_S, \rho^+ \to \pi^0\pi^+, \phi \to K^+K^-, K_S \to \pi^0\pi^0$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	186	184	1	187
188	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to D^-D_s^{*+}, \bar{B}^0 \to \pi^0\pi^+\omega K^-D^0, D^- \to K_L a_1^-, D_s^{*+} \to D_s^+\gamma, \omega \to \pi^0\pi^+\pi^-,$ $D^0 \to \rho^+K^{*-}, K_L \to e^-\nu_e\pi^+, a_1^- \to \rho^0\pi^-, D_s^+ \to \rho^+\eta, \rho^+ \to \pi^0\pi^+, K^{*-} \to \pi^-\bar{K}^0,$ $\rho^0 \to \pi^+\pi^-, \rho^+ \to \pi^0\pi^+, \eta \to \gamma\gamma, \bar{K}^0 \to K_L$ $(\Upsilon(4S) \to e^-\nu_e K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	187	185	1	188
189	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^-K^+D^{*0}, \bar{B}^0 \to \mu^-\bar{\nu}_\mu D^{*+}, D^{*0} \to \pi^0 D^0, D^{*+} \to \pi^+D^0, D^0 \to \pi^0\pi^+\pi^-\bar{K}^*,$ $D^0 \to \pi^0\pi^+K^-, \bar{K}^* \to \pi^0\bar{K}^0, \bar{K}^0 \to K_L, K_L \to \mu^-\nu_\mu\pi^+$ $(\Upsilon(4S) \to \mu^-\mu^-\nu_\mu\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	188	186	1	189
190	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^0\pi^-\pi^-\rho^+\rho^+\eta, \bar{B}^0 \to \rho^0\rho^0 D^0, \rho^+ \to \pi^0\pi^+, \rho^+ \to \pi^0\pi^+, \eta \to \pi^0\pi^+\pi^-,$ $\rho^0 \to \pi^+\pi^-, \rho^0 \to \pi^+\pi^-, D^0 \to \pi^0\pi^0\pi^+\pi^-$ $(\Upsilon(4S) \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	189	187	1	190
191	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^+n\bar{\Xi}_c'^-, \bar{B}^0 \to \pi^0\pi^-\omega\omega D^+, \bar{\Xi}_c'^- \to \bar{\Xi}_c^-\gamma, \omega \to \pi^0\pi^+\pi^-, \omega \to \pi^0\pi^+\pi^-,$ $D^+ \to K_S K^{*+}, \bar{\Xi}_c^- \to \pi^0\pi^-\bar{\Xi}^0, K_S \to \pi^+\pi^-, K^{*+} \to \pi^+K^0, \bar{\Xi}^0 \to \pi^0\bar{\Lambda}, K^0 \to K_L,$ $\bar{\Lambda} \to \pi^0\bar{n}$ $(\Upsilon(4S) \to K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	190	188	1	191
192	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \rho^+\bar{D}^{*-}, \bar{B}^0 \to \rho^-D_1'^+, \rho^+ \to \pi^0\pi^+, \bar{D}^{*-} \to \pi^-\bar{D}^0, \rho^- \to \pi^0\pi^-,$ $D_1'^+ \to \pi^0 D^{*+}, \bar{D}^0 \to \pi^+\pi^-K_S, D^{*+} \to \pi^+D^0, K_S \to \pi^0\pi^0, D^0 \to \pi^0\pi^0\bar{K}^*, \bar{K}^* \to \pi^0\bar{K}^0,$ $\bar{K}^0 \to K_L$ $(\Upsilon(4S) \to K_L\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	191	189	1	192
193	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \pi^+\pi^-D^-D_s^+, \bar{B}^0 \to \pi^0\pi^+\pi^-\rho^-D^+, D^- \to K^*a_1^-, D_s^+ \to \rho^+\eta', \rho^- \to \pi^0\pi^-,$ $D^+ \to e^+\nu_e\bar{K}^0, K^* \to \pi^0 K^0, a_1^- \to \pi^0\rho^-, \rho^+ \to \pi^0\pi^+, \eta' \to \pi^0\pi^0\eta, \bar{K}^0 \to K_L,$ $K^0 \to K_S, \rho^- \to \pi^0\pi^-, \eta \to \pi^0\pi^+\pi^-, K_S \to \pi^+\pi^-$ $(\Upsilon(4S) \to e^+\nu_e K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	192	190	1	193
194	$\Upsilon(4S) \to B^0\bar{B}^0, B^0 \to \rho^-\bar{D}^0 D_s^+, B^0 \to \pi^-\rho^+\rho^+\eta\bar{D}^{*-}, \rho^- \to \pi^0\pi^-, \bar{D}^0 \to K_S\eta', D_s^+ \to \pi^+ f_0(980),$ $\rho^+ \to \pi^0\pi^+, \rho^+ \to \pi^0\pi^+, \eta \to \pi^0\pi^0\pi^0, \bar{D}^{*-} \to \pi^0 D^-, K_S \to \pi^0\pi^0, \eta' \to \omega\gamma,$ $f_0(980) \to \pi^0\pi^0, D^- \to \mu^-\bar{\nu}_\mu\pi^-K^+, \omega \to \pi^0\pi^+\pi^-$ $(\Upsilon(4S) \to \mu^-\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+\gamma)$	193	191	1	194
195	$\Upsilon(4S) \to B^0 B^0, B^0 \to \mu^+\nu_\mu D_1'^-, B^0 \to \pi^0\pi^0\rho^0\pi^+\omega D^-, D_1'^- \to \pi^0\bar{D}^{*-}, \rho^0 \to \pi^+\pi^-, \omega \to \pi^0\pi^+\pi^-,$ $D^- \to \pi^-\pi^-K^+, \bar{D}^{*-} \to \pi^-\bar{D}^0, \bar{D}^0 \to \pi^+\pi^+\pi^-\pi^-$ $(\Upsilon(4S) \to \mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	194	192	1	195

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index	event tree (event initial-final states)	iEvtTr	iEvtIFSts	nEvts	nCmltEvts
196	$\Upsilon(4S) \to \bar{B}^0 \bar{B}^0, \bar{B}^0 \to \pi^0 \pi^+ \pi^- \pi^- D^{*+}, \bar{B}^0 \to \pi^0 \rho^0 \pi^+ K^+ K^- K^{*-} D^0, D^{*+} \to \pi^+ D^0, \rho^0 \to \pi^+ \pi^-, K^{*-} \to \pi^- \bar{K}^0,$ $D^0 \to \pi^0 \rho^+ K^-, D^0 \to \rho^+ K^{*-}, \bar{K}^0 \to K_S, \rho^+ \to \pi^0 \pi^+, \rho^+ \to \pi^0 \pi^+, K^{*-} \to \pi^- \bar{K}^0,$ $K_S \to \pi^+ \pi^-, \bar{K}^0 \to K_L$ $(\Upsilon(4S) \to K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- K^+ K^- K^- \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	195	193	1	196
197	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to \pi^0 D^- \bar{\Sigma}^+ \Sigma^0, \bar{B}^0 \to K^* K^- D^+, D^- \to \pi^0 \pi^0 \pi^0 \pi^- K^0, \bar{\Sigma}^+ \to \pi^+ \bar{n}, \Sigma^0 \to \Lambda\gamma,$ $K^* \to \pi^0 K^0, D^+ \to \pi^0 K_L \pi^+, K^0 \to K_S, \Lambda \to \pi^- p, K^0 \to K_S, K_S \to \pi^0 \pi^0,$ $K_S \to \pi^+ \pi^-$ $(\Upsilon(4S) \to K_L \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- K^- \bar{n} p \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	196	194	1	197
198	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to \pi^0 \rho^0 \pi^+ D^-, \bar{B}^0 \to \pi^+ \pi^- \pi^- \omega D^{*+}, \rho^0 \to \pi^+ \pi^-, D^- \to \pi^- K_S, \omega \to \pi^0 \pi^+ \pi^-,$ $D^{*+} \to \pi^+ D^0, K_S \to \pi^+ \pi^-, D^0 \to K_L \eta', \eta' \to \pi^+ \pi^- \eta, \eta \to \pi^0 \pi^0 \pi^0$ $(\Upsilon(4S) \to K_L \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	197	195	1	198
199	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to \rho^+ \eta \omega D^-, \bar{B}^0 \to D^+ a_1^-, \rho^+ \to \pi^0 \pi^+, \eta \to \pi^0 \pi^0 \pi^0, \omega \to \pi^0 \pi^+ \pi^-,$ $D^- \to \pi^0 \pi^- K^*, D^+ \to \mu^+ \nu_\mu \bar{K}^0, a_1^- \to \rho^0 \pi^-, K^* \to \pi^- K^+, \bar{K}^0 \to K_S, \rho^0 \to \pi^+ \pi^-,$ $K_S \to \pi^+ \pi^-$ $(\Upsilon(4S) \to \mu^+ \nu_\mu \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- \pi^- K^+ \gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma)$	198	196	1	199
200	$\Upsilon(4S) \to B^0 \bar{B}^0, B^0 \to e^+ \nu_e D^-, \bar{B}^0 \to D_s^{*-} D_1^+, D^- \to \pi^- \pi^- K^+, D_s^{*-} \to D_s^- \gamma, D_1^+ \to \pi^+ D^{*0},$ $D_s^- \to \rho^- \eta, D^{*0} \to \pi^0 D^0, \rho^- \to \pi^0 \pi^-, \eta \to \pi^+ \pi^-, D^0 \to \pi^+ \pi^- \bar{K}^*, \bar{K}^* \to \pi^+ K^-$ $(\Upsilon(4S) \to e^+ \nu_e \pi^+ \pi^+ \pi^+ \pi^+ \pi^- \pi^- \pi^- \pi^- \pi^- K^+ K^- \gamma\gamma\gamma\gamma\gamma)$	199	197	1	200

Table 2: Event initial-final states.

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

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

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65	$e^+e^- \to e^+e^+e^-e^-\mu^-\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma$	64	1	67
66	$e^+e^- \to e^+e^+\nu_e\nu_e\nu_\tau\bar{\nu}_\tau K_L\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	65	1	68
67	$e^+e^- \to e^+\nu_e\mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	66	1	69
68	$e^+e^- \to e^+\nu_e\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma$	67	1	70
69	$e^+e^- \to \pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	68	1	71
70	$e^+e^- \to e^-\bar{\nu}_e\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	69	1	72
71	$e^+e^- \to \mu^+\mu^+\nu_\mu\nu_\mu\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^-\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	70	1	73
72	$e^+e^- \to e^+\nu_e\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	71	1	74
73	$e^+e^- \to e^+\nu_e\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	72	1	75
74	$e^+e^- \to e^+e^-\nu_e\bar{\nu}_e\mu^+\nu_\mu\nu_\tau\bar{\nu}_\tau\pi^+\pi^-\pi^-K^+K^-\gamma\gamma$	73	1	76
75	$e^+e^- \to e^+e^-K_LK_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma$	74	1	77
76	$e^+e^- \to \mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	75	1	78
77	$e^+e^- \to K_LK_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	76	1	79
78	$e^+e^- \to \mu^-\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	77	1	80
79	$e^+e^- \to e^+e^-\nu_e\bar{\nu}_eK_L\pi^+\pi^+\pi^+\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	78	1	81
80	$e^+e^- \to e^+\nu_eK_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma$	79	1	82
81	$e^+e^- \to e^+e^-\mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma$	80	1	83
82	$e^+e^- \to e^-\bar{\nu}_e\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^-K^-\gamma\gamma\gamma\gamma$	81	1	84
83	$e^+e^- \to \nu_\tau\bar{\nu}_\tau K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^-\gamma\gamma$	82	1	85
84	$e^+e^- \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	83	1	86
85	$e^+e^- \to \mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma$	84	1	87
86	$e^+e^- \to e^-\bar{\nu}_eK_L\pi^+\pi^+\pi^+\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	85	1	88
87	$e^+e^- \to e^+e^-e^-\bar{\nu}_eK_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	86	1	89
88	$e^+e^- \to \mu^+\mu^+\nu_\mu\nu_\mu K_L\pi^+\pi^+\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	87	1	90
89	$e^+e^- \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	88	1	91
90	$e^+e^- \to \nu_\tau\bar{\nu}_\tau\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^+K^-\gamma$	89	1	92
91	$e^+e^- \to K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	90	1	93
92	$e^+e^- \to K_LK_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	91	1	94
93	$e^+e^- \to e^+\nu_e\mu^+\nu_\mu\pi^+\pi^-\pi^-\pi^-K^+K^+K^-K^-\gamma\gamma\gamma\gamma$	92	1	95
94	$e^+e^- \to \mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-p\bar{p}\gamma\gamma\gamma\gamma\gamma\gamma$	93	1	96
95	$e^+e^- \to \mu^-\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	94	1	97
96	$e^+e^- \to e^+\nu_e\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma$	95	1	98

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97	$e^+e^- \to \pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	96	1	99
98	$e^+e^- \to K_L\pi^+\pi^+\pi^-\pi^-\pi^-K^+K^+K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	97	1	100
99	$e^+e^- \to \mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	98	1	101
100	$e^+e^- \to e^+\nu_e\mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	99	1	102
101	$e^+e^- \to e^-\bar{\nu}_e K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	100	1	103
102	$e^+e^- \to \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	101	1	104
103	$e^+e^- \to \mu^+\mu^+\mu^-\nu_\mu\nu_\mu\bar{\nu}_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma\gamma$	102	1	105
104	$e^+e^- \to e^+e^-\nu_e\bar{\nu}_e\mu^-\bar{\nu}_\mu K_L\pi^+\pi^+\pi^-K^+K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	103	1	106
105	$e^+e^- \to K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^-\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	104	1	107
106	$e^+e^- \to e^-\bar{\nu}_e\mu^-\bar{\nu}_\mu K_L K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	105	1	108
107	$e^+e^- \to e^+\nu_e\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	106	1	109
108	$e^+e^- \to e^+\nu_e\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	107	1	110
109	$e^+e^- \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^+K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	108	1	111
110	$e^+e^- \to \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^-\gamma$	109	1	112
111	$e^+e^- \to e^+\nu_e K_L\pi^+\pi^+\pi^-K^-n\bar{p}\gamma\gamma\gamma\gamma\gamma$	110	1	113
112	$e^+e^- \to K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma$	111	1	114
113	$e^+e^- \to e^-\bar{\nu}_e\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	112	1	115
114	$e^+e^- \to e^+\nu_e K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	113	1	116
115	$e^+e^- \to \mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	114	1	117
116	$e^+e^- \to \mu^-\bar{\nu}_\mu\nu_\tau\bar{\nu}_\tau K_L\pi^+\pi^+\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	115	1	118
117	$e^+e^- \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-p\bar{p}\gamma\gamma\gamma\gamma\gamma$	116	1	119
118	$e^+e^- \to \pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+\gamma$	117	1	120
119	$e^+e^- \to K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	118	1	121
120	$e^+e^- \to K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	119	1	122
121	$e^+e^- \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	120	1	123
122	$e^+e^- \to e^-\bar{\nu}_e K_L\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^+K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	121	1	124
123	$e^+e^- \to e^+e^+e^-e^-\nu_e\bar{\nu}_e K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	122	1	125
124	$e^+e^- \to e^+e^-\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-K^+K^-K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	123	1	126
125	$e^+e^- \to \pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+n\bar{n}\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	124	1	127
126	$e^+e^- \to e^-\bar{\nu}_e K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	125	1	128
127	$e^+e^- \to \mu^-\bar{\nu}_\mu K_L K_L\pi^+\pi^+\pi^+\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma\gamma$	126	1	129
128	$e^+e^- \to \pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	127	1	130

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

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

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193	$e^+e^- \to \mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	192	1	195
194	$e^+e^- \to K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-K^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	193	1	196
195	$e^+e^- \to K_L\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-K^-\bar{n}p\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	194	1	197
196	$e^+e^- \to K_L\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	195	1	198
197	$e^+e^- \to \mu^+\nu_\mu\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-\pi^-K^+\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma$	196	1	199
198	$e^+e^- \to e^+\nu_e\pi^+\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-\pi^-\pi^-K^+K^-\gamma\gamma\gamma\gamma\gamma$	197	1	200