No.	decay chain	final states	iTopo	$_{ m nEvt}$	nTot
0	$\rightarrow \gamma \eta_c, \ \eta_c \rightarrow K^- \pi^+ K_S, \ K_S \rightarrow \pi$	$\psi' \to \gamma \pi^+ \pi^+ \pi^0 \pi^- K^-$	5	47	47
1	$\psi' \to \pi^0 h_c, \ h_c \to \gamma \eta_c, \ \eta_c \to \pi^- K_S K^+, \ K_S \to \pi^- \pi^+$	$\psi' \to \gamma K^+ \pi^+ \pi^0 \pi^- \pi^-$	0	46	93
2	$\rightarrow \gamma J/\psi, \ J/\psi \rightarrow \pi^- K_S K^+, \ K_S \rightarrow \tau$	$\psi' \to \gamma \gamma K^+ \pi^+ \pi^- \pi^-$	9	∞	101
က	$\rightarrow \rho^- K_S K^+, \ \rho^- \rightarrow$	$\psi' \to \gamma K^+ \pi^+ \pi^0 \pi^- \pi^-$	15	9	107
4	$\rightarrow K^- \rho^+ K_S, \ \rho^+ \rightarrow \pi^0 \pi^+, \ K_S \rightarrow \pi^-$	$\psi' \to \gamma \pi^+ \pi^+ \pi^0 \pi^- K^-$	က	5	112
ಬ	$\rho^-K_S, \ \rho^- \to \tau$	$\psi' \to K^+ \pi^+ \pi^0 \pi^- \pi^-$	12	4	116
9	$\psi' o \gamma \chi_{c2}, \ \chi_{c2} o \gamma J/\psi, \ J/\psi o K^-\pi^+ K_S, \ K_S o \pi^-\pi^+$	$\psi' \to \gamma \gamma \pi^+ \pi^+ \pi^- K^-$	21	4	120
7	$\rightarrow K^- \pi^0 K^{*+}, K^{*+} \rightarrow \pi^+ K_S, K$	$\psi' \to \gamma \pi^+ \pi^+ \pi^0 \pi^- K^-$	2	ಜ	123
∞	$ ightarrow \gamma J/\psi,\ J/\psi ightarrow K^-K^{*+},\ K^{*+} ightarrow \pi^+K_S,\ K_S ightarrow \pi^-\pi$	$\psi' \to \gamma \gamma \pi^+ \pi^+ \pi^- K^-$	∞	ಜ	126
6	$\to K^{*-}K^{*+}, K^{*-} \to K^{-}\pi^{0}, K^{*-}$	$\psi' \to \gamma \pi^+ \pi^+ \pi^0 \pi^- K^-$	17	ಜ	129
10	$\rightarrow \rho^- K_{\mathcal{S}}$	$\psi' \to \gamma K^+ \pi^+ \pi^0 \pi^- \pi^-$	11	ಜ	132
11	, $\bar{K}^* \to \pi^0 K_S$, $K_S \to \pi^- \pi^+$	\uparrow	Н	2	134
12	$K^{-}\pi^{+}, K^{*} \to \pi^{0}K_{S}, K_{S} \to \pi^{-}\pi^{+}$	$\psi' \to \gamma \pi^+ \pi^+ \pi^0 \pi^- K^-$	16	2	136
13	$\rightarrow \gamma J/\psi, \ J/\psi \rightarrow K^{*-}K^{+}, \ K^{*-}$	$\psi' \to \gamma \gamma K^+ \pi^+ \pi^- \pi^-$	6	2	138
14	$s \to \pi^- \pi^+, \ K_S \to \pi^0 \pi^0$	\uparrow	20	2	140
15	$^-K_S,~ ho^+ ightarrow \pi^0 \pi^+,~K_S ightarrow \pi^0$	1	13	2	142
16	$\gamma J/\psi, J/\psi \to K_S K^*, I$	$\psi' o \gamma \gamma K^+ \pi^+ \pi^- \pi^-$	22	2	144
17	$ ightarrow ar{K}^* \pi^- K^+, \ ar{K}^* ightarrow$	\uparrow	23	2	146
18	$\rightarrow K^{*-} \tau$	$\psi' \to \gamma K^+ \pi^+ \pi^0 \pi^- \pi^-$	27	2	148
19	$^{+},~K^{*} ightarrow \pi^{0}K_{S},~K_{S} ightarrow \pi^{-}\pi^{+}$	\uparrow	29	2	150
20	- 1	$\psi' \rightarrow \pi^+ \pi^+ \pi^0 \pi^- K^-$	30	2	152
21	$X^* o \pi^0 K_S, \ K_S o \pi^- \pi^-$	$\psi' o \gamma \pi^+ \pi^+ \pi^0 \pi^- K^-$	4		153
22	$K_2^{*0}, \ \bar{K}^* \to \pi^0 K_S, \ K_2^{*0} \to$	$\psi' \to K^+ \pi^+ \pi^0 \pi^0 \pi^- \pi^-$	7		154
23	$S, K^{*+} \rightarrow \pi^0 K^+, K_S \rightarrow S$	$\psi' \to \gamma K^+ \pi^+ \pi^0 \pi^- \pi^-$	10		155
24	$K^* \to \pi^0 K_S, K_S \to$	$\psi' \to \pi^+ \pi^+ \pi^0 \pi^0 \pi^- K^-$	24		156
25	$s, K_S \rightarrow$	$\psi' \to \pi^+ \pi^+ \pi^0 \pi^0 \pi^- \pi^-$	25		157
26	်သ	$\psi' \to K^+ \pi^+ \pi^0 \pi^- \pi^-$	26		158
27	$K_{S}^{(0)} \to \pi^{0} K^{*}, K_{S} \to \pi^{-} \pi^{+}, K_{S}^{(0)}$	$\psi' \to K^+ \pi^+ \pi^0 \pi^0 \pi^- \pi^-$	18		159
28	$K_S, K^{*+} \rightarrow \pi^0 K^+, K_S \rightarrow \Gamma$	$\psi' \to K^+ \pi^+ \pi^0 \pi^0 \pi^- \pi^-$	28		160
29	$\psi' o \pi^0 \pi^0 J/\psi, \ J/\psi o K_2^{*0} K_S, \ K_2^{*0} o K^- \pi^+, \ K_S o \pi^- \pi^+$	$\psi' \rightarrow \pi^+ \pi^+ \pi^0 \pi^0 \pi^- K^-$	19		161

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