FULLY MASSIVE PROCESSES

CC					
process type	iproc	ich	final state	ich	final state
CC9	1	1	$\mu^-\ \bar{\nu}_\mu\ \nu_\tau\ \tau^+$	2	$\mu^+\ \nu_\mu\ \bar{\nu}_\tau\ \tau^-$
CC18	2	1	$e^-\ \bar{\nu}_e\ \nu_\mu\ \mu^+$	3	$e^+\ \nu_e\ \bar{\nu}_\mu\ \mu^-$
		2	$e^-\ \bar{\nu}_e\ \nu_\tau\ \tau^+$	4	$e^+\ \nu_e\ \bar{\nu}_\tau\ \tau^-$
CC10	3	1	$\mu^-\ \bar{\nu}_\mu\ u\ d$	5	$\tau^-\ \bar{\nu}_\tau\ u\ d$
		2	$\mu^-\ \bar{\nu}_\mu\ c\ \bar{s}$	6	$\tau^-\ \bar{\nu}_\tau\ c\ \bar{s}$
		3	$\mu^+\ \nu_\mu\ \bar{u}\ d$	7	$\tau^+\ \nu_\tau\ \bar{u}\ d$
		4	$\mu^+\ \nu_\mu\ \bar{c}\ s$	8	$\tau^+\ \nu_\tau\ \bar{c}\ s$
CC20	4	1	$e^-\ \bar{\nu}_e\ u\ d$	3	$e^+\ \nu_e\ \bar{u}\ d$
		2	$e^-\ \bar{\nu}_e\ c\ \bar{s}$	4	$e^+\ \nu_e\ \bar{c}\ s$
CC11	5	1	$s\ \bar{c}\ u\ d$	2	$\bar{s}\ c\ \bar{u}\ d$

MIX					
process type	iproc	ich	final state	ich	final state
MIX19	6	1	$\mu^-\ \mu^+\ \nu_\mu\ \bar{\nu}_\mu$	2	$\tau^-\ \tau^+\ \nu_\tau\ \bar{\nu}_\tau$
MIX56	7	1	$e^-\ e^+\ \nu_e\ \bar{\nu}_e$		
MIX43	8	1	$d\ d\ u\ \bar{u}$	2	$s\ \bar{s}\ c\ \bar{c}$

FULLY MASSIVE PROCESSES

NC					
process type	iproc	ich	final state	ich	final state
NC6	9	1	$\nu_\mu\ \bar{\nu}_\mu\ \nu_\tau\ \bar{\nu}_\tau$		
NC12	10	1	$\nu_\mu\ \bar{\nu}_\mu\ \nu_e\ \bar{\nu}_e$	2	$\nu_\tau\ \bar{\nu}_\tau\ \nu_e\ \bar{\nu}_e$
NC12	11	1	$\nu_\mu\ \bar{\nu}_\mu\ \nu_\mu\ \bar{\nu}_\mu$	2	$\nu_\tau\ \bar{\nu}_\tau\ \nu_\tau\ \bar{\nu}_\tau$
NC36	12	1	$\nu_e\ \bar{\nu}_e\ \nu_e\ \bar{\nu}_e$		
NC10	13	1	$u\ \bar{u}\ \nu_\mu\ \bar{\nu}_\mu$	3	$c\ \bar{c}\ \nu_\mu\ \bar{\nu}_\mu$
		2	$u\ \bar{u}\ \nu_\tau\ \bar{\nu}_\tau$	4	$c\ \bar{c}\ \nu_\tau\ \bar{\nu}_\tau$
NC19	14	1	$u\ \bar{u}\ \nu_e\ \bar{\nu}_e$	2	$c\ \bar{c}\ \nu_e\ \bar{\nu}_e$
NC64	15	1	$u\ \bar{u}\ u\ \bar{u}$	2	$c\ \bar{c}\ c\ \bar{c}$
NC32	16	1	$u\ \bar{u}\ c\ \bar{c}$		
NC10	17	1	$\mu^-\ \mu^+\ \nu_\tau\ \bar{\nu}_\tau$	2	$\tau^-\ \tau^+\ \nu_\mu\ \bar{\nu}_\mu$
NC20	18	1	$e^-\ e^+\ \nu_\mu\ \bar{\nu}_\mu$	2	$e^-\ e^+\ \nu_\tau\ \bar{\nu}_\tau$
NC19	19	1	$\mu^-\ \mu^+\ \nu_e\ \bar{\nu}_e$	2	$\tau^-\ \tau^+\ \nu_e\ \bar{\nu}_e$
NC24	20	1	$\mu^-\ \mu^+\ u\ \bar{u}$	3	$\tau^-\ \tau^+\ u\ \bar{u}$
		2	$\mu^-\ \mu^+\ c\ \bar{c}$	4	$\tau^-\ \tau^+\ c\ \bar{c}$
NC48	21	1	$e^-\ e^+\ u\ \bar{u}$	2	$e^-\ e^+\ c\ \bar{c}$
NC19	22	1	$d\ d\ \nu_e\ \bar{\nu}_e$	3	$b\ b\ \nu_e\ \bar{\nu}_e$
		2	$s\ \bar{s}\ \nu_e\ \bar{\nu}_e$		
NC10	23	1	$d\ d\ \nu_\mu\ \bar{\nu}_\mu$	4	$d\ d\ \nu_\tau\ \bar{\nu}_\tau$
		2	$s\ \bar{s}\ \nu_\mu\ \bar{\nu}_\mu$	5	$s\ \bar{s}\ \nu_\tau\ \bar{\nu}_\tau$
		3	$b\ \bar{b}\ \nu_\mu\ \bar{\nu}_\mu$	6	$b\ \bar{b}\ \nu_\tau\ \bar{\nu}_\tau$
NC32	24	1	$s\ \bar{s}\ u\ \bar{u}$	3	$b\ \bar{b}\ u\ \bar{u}$
		2	$d\ \bar{d}\ c\ \bar{c}$	4	$b\ \bar{b}\ c\ \bar{c}$
NC24	25	1	$\mu^-\ \mu^+\ \tau^-\ \tau^+$		
NC48	26	1	$e^-\ e^+\ \mu^-\ \mu^+$	2	$e^-\ e^+\ \tau^-\ \tau^+$
NC48	27	1	$\mu^-\ \mu^+\ \mu^-\ \mu^+$	2	$\tau^-\ \tau^+\ \tau^-\ \tau^+$
NC144	28	1	$e^-\ e^+\ e^-\ e^+$		
NC64	29	1	$d\ d\ d\ d$	3	$b\ b\ b\ b$
		2	$s\ \bar{s}\ s\ \bar{s}$		
NC48	30	1	$e^-\ e^+\ d\ d$	3	$e^-\ e^+\ b\ b$
		2	$e^-\ e^+\ s\ \bar{s}$		
NC24	31	1	$\mu^-\ \mu^+\ d\ d$	4	$\tau^-\ \tau^+\ d\ d$
		2	$\mu^-\ \mu^+\ s\ \bar{s}$	5	$\tau^-\ \tau^+\ s\ \bar{s}$
		3	$\mu^-\ \mu^+\ b\ \bar{b}$	6	$\tau^-\ \tau^+\ b\ \bar{b}$
NC32	32	1	$d\ d\ s\ \bar{s}$	3	$s\ \bar{s}\ b\ b$
		2	$d\ \bar{d}\ b\ \bar{b}$		