Lepton Family number (LF), Lepton number (L), or Baryon number (B) violating modes

(In the modes below, ℓ means a sum over e and μ modes)

L means lepton number violation (*e.g.* $\tau^- \rightarrow e^+ \pi^- \pi^-$). Following common usage, LF means lepton family violation *and not* lepton number violation (*e.g.* $\tau^- \rightarrow e^- \pi^+ \pi^-$).

$e^- \gamma$	LF		$<$ 1.2	$\times 10^{-4}$	CL=90%	889
$\mu^- \gamma$	LF		$<$ 4.2	$\times 10^{-6}$	CL=90%	885
$e^- \pi^0$	LF		$<$ 1.4	$\times 10^{-4}$	CL=90%	883
$\mu^- \pi^0$	LF		$<$ 4.4	$\times 10^{-5}$	CL=90%	880
$e^- K^0$	LF		$<$ 1.3	$\times 10^{-3}$	CL=90%	819
$\mu^- K^0$	LF		$<$ 1.0	$\times 10^{-3}$	CL=90%	815
$e^- \eta$	LF		$<$ 6.3	$\times 10^{-5}$	CL=90%	804
$\mu^- \eta$	LF		$<$ 7.3	$\times 10^{-5}$	CL=90%	800
$e^- \rho^0$	LF		$<$ 1.9	$\times 10^{-5}$	CL=90%	723
$\mu^- \rho^0$	LF		$<$ 2.9	$\times 10^{-5}$	CL=90%	718
$e^- K^*(892)^0$	LF		$<$ 3.8	$\times 10^{-5}$	CL=90%	665
$\mu^- K^*(892)^0$	LF		$<$ 4.5	$\times 10^{-5}$	CL=90%	660
$\pi^- \gamma$	L		$<$ 2.8	$\times 10^{-4}$	CL=90%	883
$\pi^- \pi^0$	L		$<$ 3.7	$\times 10^{-4}$	CL=90%	878
$\ell^- \ell^- \ell^+$	LF	[h]	$<$ 3.4	$\times 10^{-5}$	CL=90%	–
$\quad e^- e^+ e^-$	LF		$<$ 1.3	$\times 10^{-5}$	CL=90%	889
$\quad (e \mu \mu)^-$	LF		$<$ 2.7	$\times 10^{-5}$	CL=90%	882
$\quad\quad e^- \mu^+ \mu^-$	LF		$<$ 1.9	$\times 10^{-5}$	CL=90%	882
$\quad\quad e^+ \mu^- \mu^-$	LF		$<$ 1.6	$\times 10^{-5}$	CL=90%	882
$\quad (\mu e e)^-$	LF		$<$ 2.7	$\times 10^{-5}$	CL=90%	885
$\quad\quad \mu^- e^+ e^-$	LF		$<$ 1.4	$\times 10^{-5}$	CL=90%	885
$\quad\quad \mu^+ e^- e^-$	L		$<$ 1.4	$\times 10^{-5}$	CL=90%	885
$\quad \mu^- \mu^+ \mu^-$	LF		$<$ 1.7	$\times 10^{-5}$	CL=90%	873
$\ell^\pm \pi^\mp \pi^-$	LF,L	[h,i]	$<$ 6.3	$\times 10^{-5}$	CL=90%	–
$\quad e^\mp \pi^\pm \pi^-$	LF,L	[i]	$<$ 6.0	$\times 10^{-5}$	CL=90%	877
$\quad\quad e^- \pi^+ \pi^-$	LF		$<$ 2.7	$\times 10^{-5}$	CL=90%	877
$\quad\quad e^+ \pi^- \pi^-$	L		$<$ 1.7	$\times 10^{-5}$	CL=90%	877
$\quad \mu^\mp \pi^\pm \pi^-$	LF,L	[i]	$<$ 3.9	$\times 10^{-5}$	CL=90%	866
$\quad\quad \mu^- \pi^+ \pi^-$	LF		$<$ 3.6	$\times 10^{-5}$	CL=90%	866
$\quad\quad \mu^+ \pi^- \pi^-$	L		$<$ 3.9	$\times 10^{-5}$	CL=90%	866
$\ell^\pm \pi^\mp K^-$	LF,L	[h,i]	$<$ 1.2	$\times 10^{-4}$	CL=90%	–
$(e \pi K)^-$, all charged	LF,L		$<$ 7.7	$\times 10^{-5}$	CL=90%	814
$\quad e^- \pi^\pm K^\mp$	LF	[i]	$<$ 5.8	$\times 10^{-5}$	CL=90%	814
$\quad\quad e^- \pi^+ K^-$	LF		$<$ 2.9	$\times 10^{-5}$	CL=90%	814
$\quad\quad e^- \pi^- K^+$	LF		$<$ 5.8	$\times 10^{-5}$	CL=90%	814
$\quad e^+ \pi^- K^-$	L		$<$ 2.0	$\times 10^{-5}$	CL=90%	814
$(\mu \pi K)^-$, all charged	LF,L		$<$ 7.7	$\times 10^{-5}$	CL=90%	800
$\quad \mu^- \pi^\pm K^\mp$	LF	[i]	$<$ 7.7	$\times 10^{-5}$	CL=90%	800
$\quad\quad \mu^- \pi^+ K^-$	LF		$<$ 7.7	$\times 10^{-5}$	CL=90%	800
$\quad\quad \mu^- \pi^- K^+$	LF		$<$ 7.7	$\times 10^{-5}$	CL=90%	800
$\quad \mu^+ \pi^- K^-$	L		$<$ 4.0	$\times 10^{-5}$	CL=90%	800