HW 15-2 Soln

About 17% of anti-tau particles decay through this process:

$$\bar{\tau}^+ \rightarrow \bar{\mu}^+ + \bar{\nu}_\tau + \nu_\mu \quad .$$

	$\bar{\tau}^+$	$\bar{\mu}^+$	$\bar{\nu}_\tau$	ν_μ	
Q	+1	+1	0	0	Balanced
L_e	0	0	0	0	Balanced
L_μ	0	-1	0	+1	Balanced
L_τ	-1	0	-1	0	Balanced
B	0	0	0	0	Balanced

Well, at least it balances the quantities we've discussed so far. It's actually a complicated process.