Present experimental knowledge and theoretical predictions

B^+ decays without kaons

Decay Mode	Experiment	N_S	N_B	$\mathcal{B}$ (10^{-6})	Theory (10^{-6})
$\pi^+\pi^0$	CLEO II	11.3*	-	< 20	6–20
$\rho^+\pi^0$	CLEO II	8	5.5 ± 1.2	< 77	13–39
$\rho^0\pi^+$	CLEO II	4	2.3 ± 0.3	< 43	0–15
$\rho^+\rho^0$	ARGUS			< 1000	0–28
$\eta\pi^+$	CLEO II	0	2.2 ± 0.4	< 8	2–6
$\eta\rho^+$					5–44
$\eta'\pi^+$	CLEO II	1.4*	-	< 44	8–17
$\eta'\rho^+$					11–57
$\omega\pi^+$	CLEO II	9.5*	-	12^{+7}_{-5}	0–15
$\omega\rho^+$					0–28
$f_0\pi^+$	CLEO I	1	0	< 140	
$f_2\pi^+$	CLEO I	7	10.4 ± 4.7	< 240	
$a_1^0\pi^+$	ARGUS			< 900	
$a_1^+\pi^0$	ARGUS			< 1700	
$a_1^+\rho^0$	ALEPH	0		< 170	
$a_2^+\rho^0$	CLEO I	2	6.3 ± 3.6	< 720	
$a_1^0\rho^+$					
$a_1^+a_1^0$	ARGUS			< 13000	

* Maximum likelihood fit - N_S does not include any background