

Region	$m(p\pi^+)$	$m(pK^-)$	$m(\pi^+\pi^-)$	$m(K^-\pi^+)$	$ \Phi $
1	(1.00, 1.23)				$(0, \frac{\pi}{2})$
2	(1.00, 1.23)				$(\frac{\pi}{2}, \pi)$
3	(1.23, 1.35)				$(0, \frac{\pi}{2})$
4	(1.23, 1.35)				$(\frac{\pi}{2}, \pi)$
5	(1.35, 5.40)	(1.00, 2.00)	(0.27, 0.99)		$(0, \frac{\pi}{2})$
6	(1.35, 5.40)	(1.00, 2.00)	(0.27, 0.99)		$(\frac{\pi}{2}, \pi)$
7	(1.35, 5.40)	(1.00, 2.00)	(0.99, 4.50)		$(0, \frac{\pi}{2})$
8	(1.35, 5.40)	(1.00, 2.00)	(0.99, 4.50)		$(\frac{\pi}{2}, \pi)$
9	(1.35, 5.40)	(2.00, 5.00)	(0.27, 0.99)	(0.63, 0.89)	$(0, \frac{\pi}{2})$
10	(1.35, 5.40)	(2.00, 5.00)	(0.27, 0.99)	(0.89, 4.50)	$(0, \frac{\pi}{2})$
11	(1.35, 5.40)	(2.00, 5.00)	(0.27, 0.99)		$(\frac{\pi}{2}, \pi)$
12	(1.35, 5.40)	(2.00, 5.00)	(0.99, 4.50)	(0.63, 0.89)	$(0, \frac{\pi}{2})$
13	(1.35, 5.40)	(2.00, 5.00)	(0.99, 4.50)	(0.89, 4.50)	$(0, \frac{\pi}{2})$
14	(1.35, 5.40)	(2.00, 5.00)	(0.99, 4.50)		$(\frac{\pi}{2}, \pi)$