

Bin 0	Bin 1	Bin 2	Bin 3
$-\pi < \Delta\Phi_{jj} \leq -\frac{\pi}{2}$	$-\frac{\pi}{2} < \Delta\Phi_{jj} \leq 0$	$0 < \Delta\Phi_{jj} \leq \frac{\pi}{2}$	$\frac{\pi}{2} < \Delta\Phi_{jj} \leq \pi$