

Probability Density

$|b^\circ| = 0$

$|b^\circ| = 10$

$|b^\circ| = 20$

$|b^\circ| = 30$

$|b^\circ| = 40$

$|b^\circ| = 50$

$|b^\circ| = 60$

$|b^\circ| = 70$

$|b^\circ| = 80$

0.00 0.02 0.04 0.06

0.00 0.02 0.04 0.06

0.00 0.02 0.04 0.06

Amplitude

- - - True  $\mathcal{D}$ - - - True  $\mathcal{Q}$ Dipole Amplitude ( $\mathcal{D}$ )Quadrupole Amplitude ( $\mathcal{Q}$ )