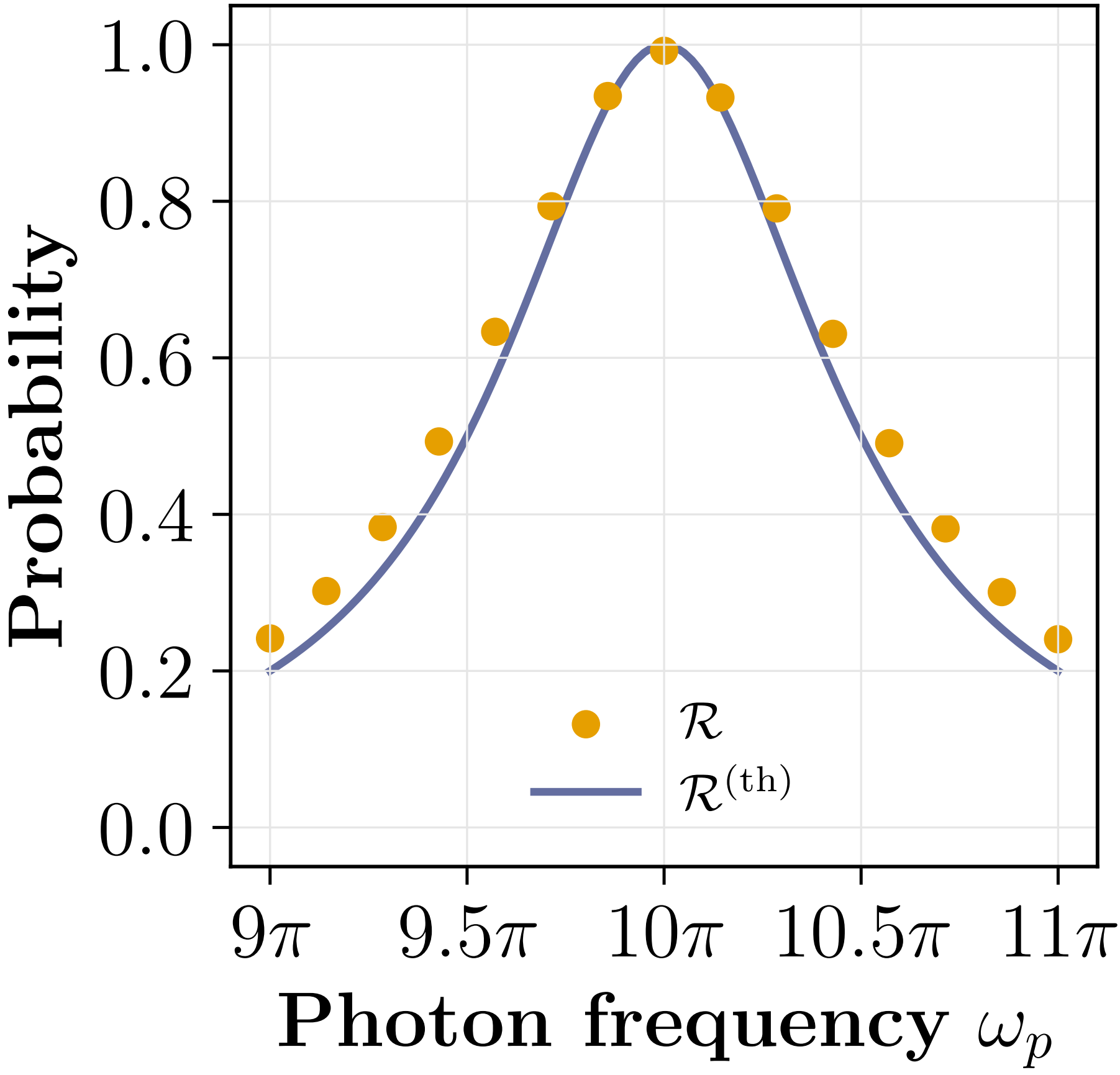
1.0
0.8
0.6
0.4
0.2
0.0
Probability
$\mathcal{R}$
$\mathcal{R}^{(\mathrm{th})}$
$9\pi$
$9.5\pi$
$10\pi$
$10.5\pi$
$11\pi$
Photon frequency $\omega_p$