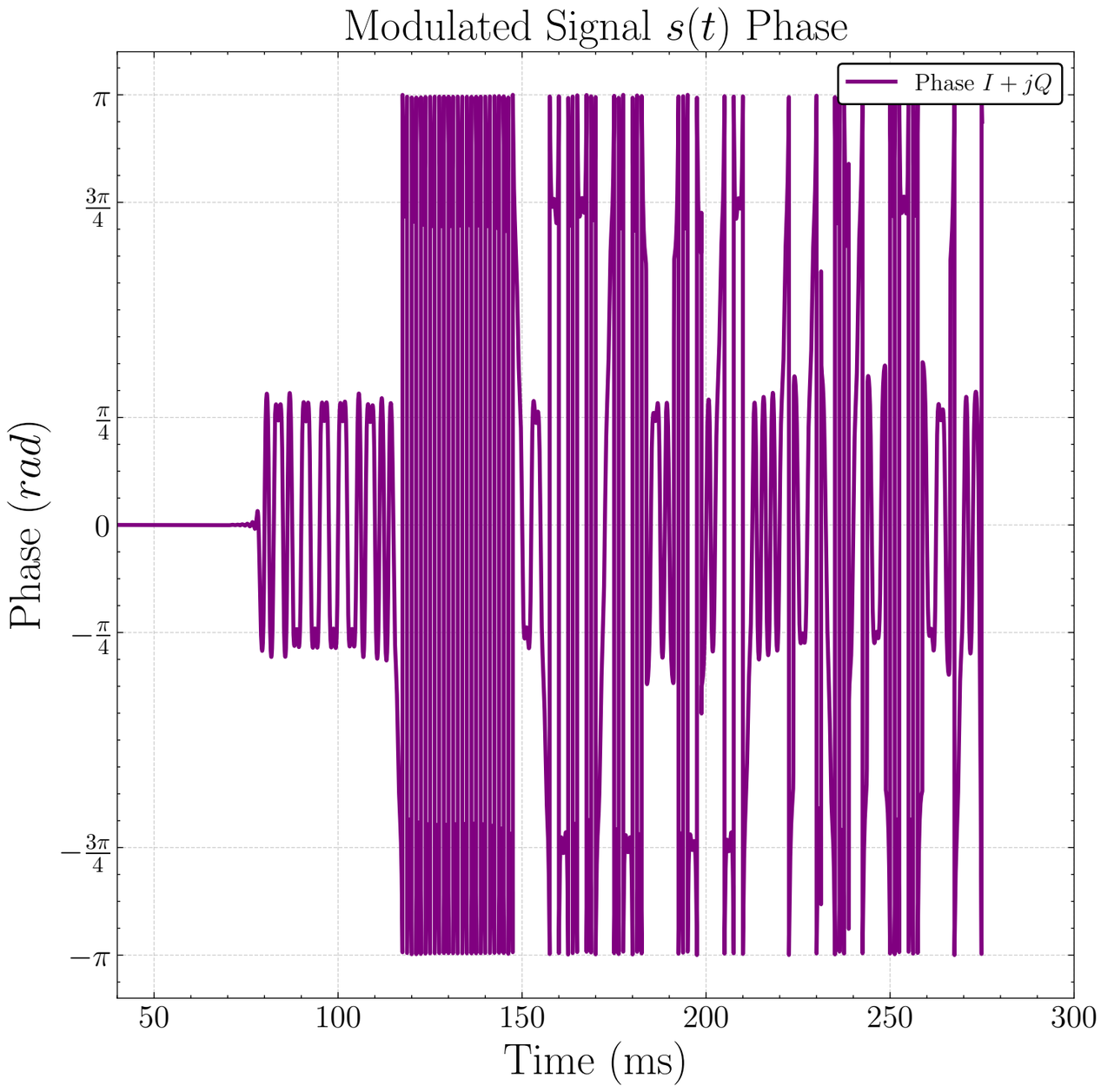
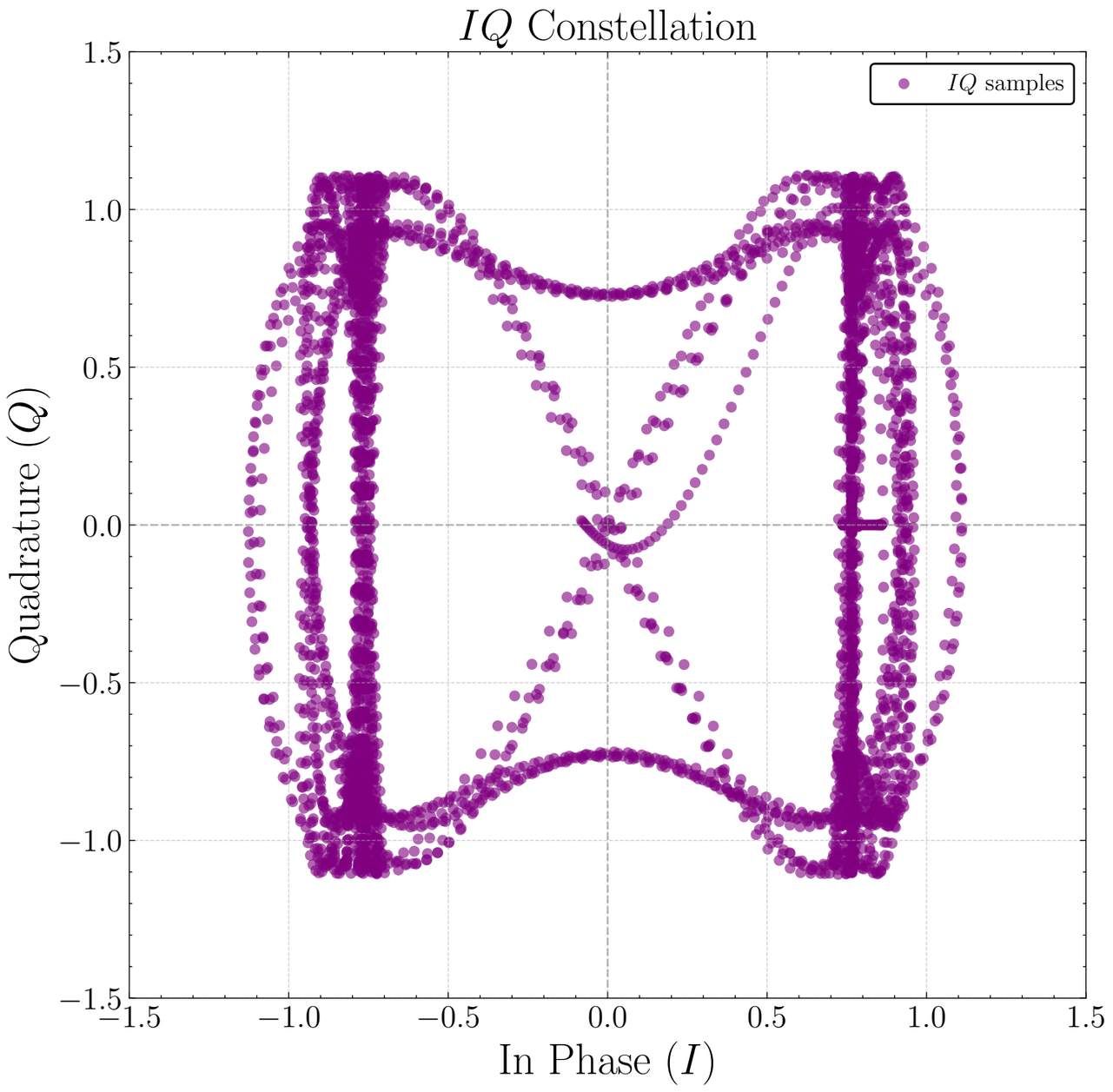

Modulated Signal $s(t)$ Phase
Phase $I + jQ$
π
$\frac{3\pi}{4}$
$\frac{\pi}{4}$
0
$-\frac{\pi}{4}$
$-\frac{3\pi}{4}$
$-\pi$
Phase (rad)
50
100
150
200
250
300
Time (ms)


IQ Constellation
IQ samples
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
Quadrature (Q)
In Phase (I)