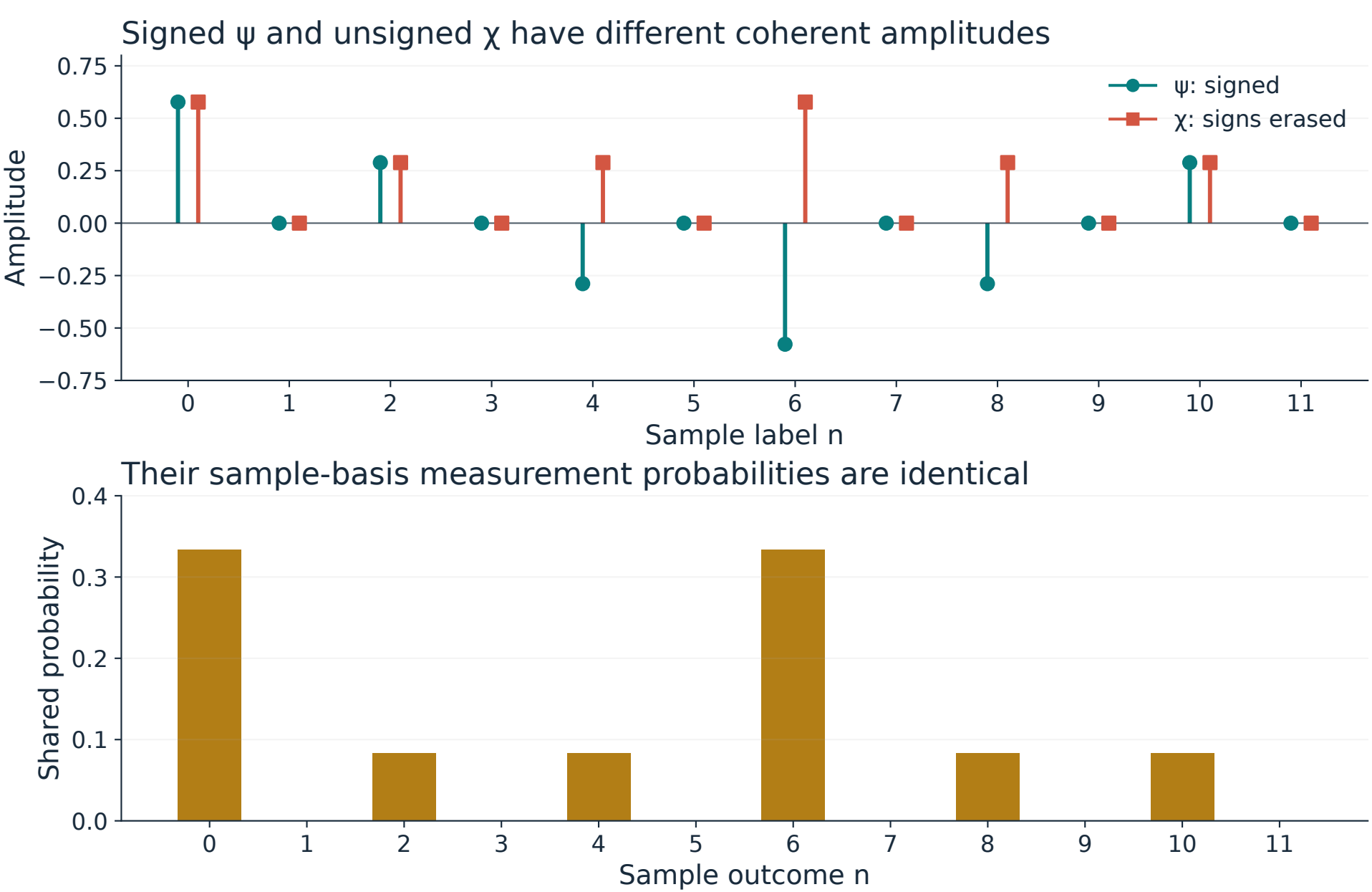

Signed ψ and unsigned χ have different coherent amplitudes
Amplitude
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
ψ: signed
χ: signs erased
0
1
2
3
4
5
6
7
8
9
10
11
Sample label n
Their sample-basis measurement probabilities are identical
Shared probability
0.4
0.3
0.2
0.1
0.0
0
1
2
3
4
5
6
7
8
9
10
11
Sample outcome n