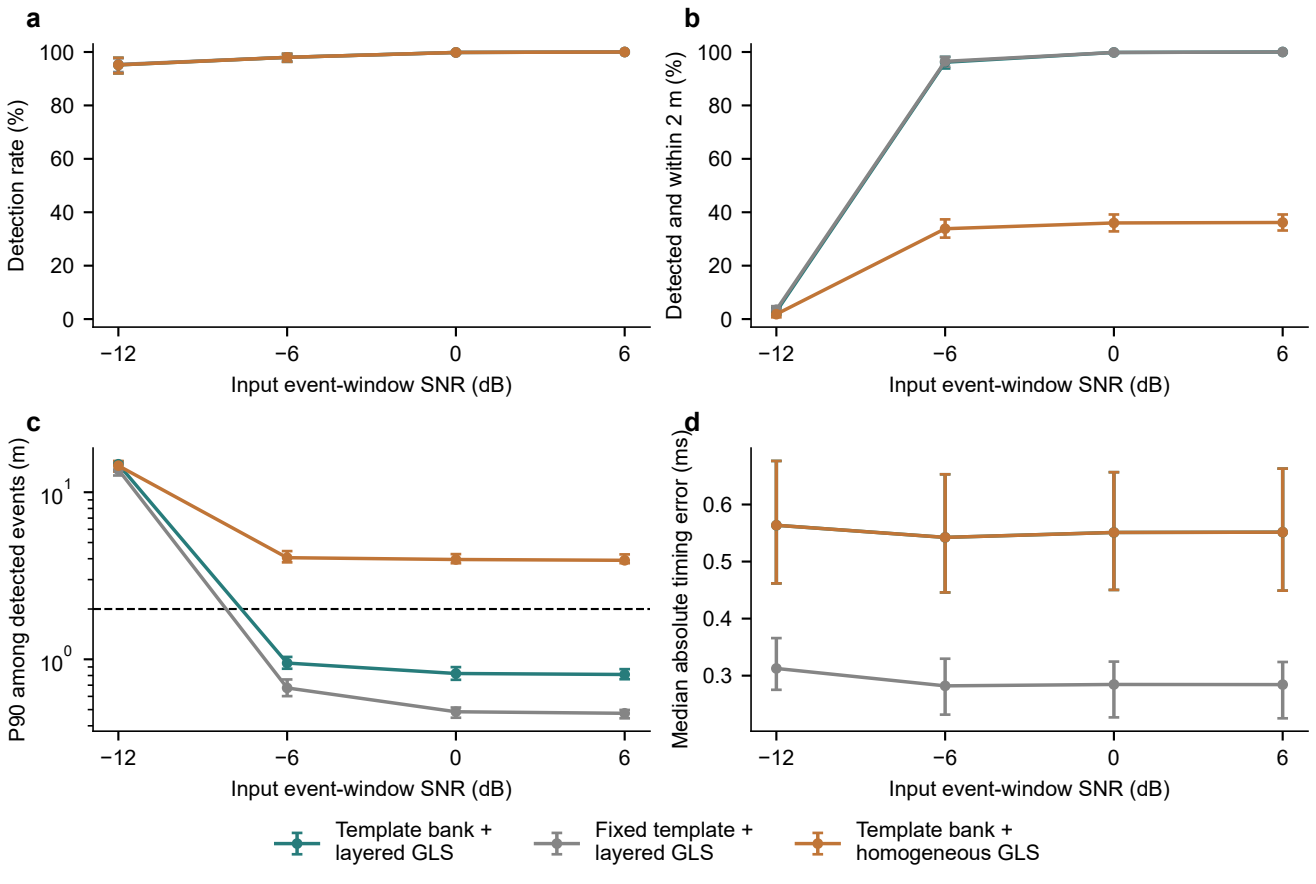

a
Detection rate (%)
100
80
60
40
20
0
−12
−6
0
6
Input event-window SNR (dB)
b
Detected and within 2 m (%)
100
80
60
40
20
0
−12
−6
0
6
Input event-window SNR (dB)
c
P90 among detected events (m)
10^1
10^0
−12
−6
0
6
Input event-window SNR (dB)
d
Median absolute timing error (ms)
0.6
0.5
0.4
0.3
−12
−6
0
6
Input event-window SNR (dB)
Template bank + layered GLS
Fixed template + layered GLS
Template bank + homogeneous GLS