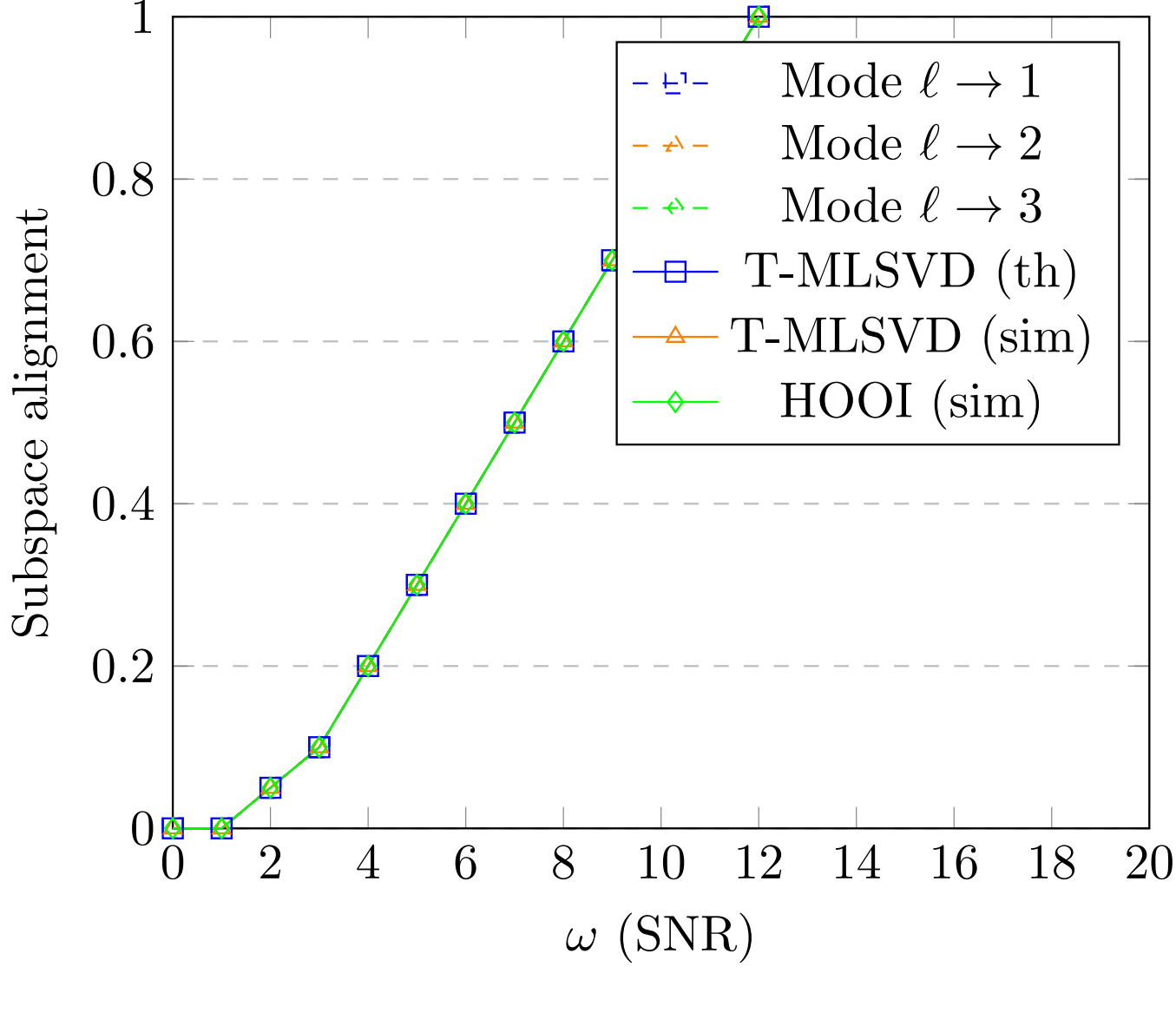

Figure 1: Alignments between singular subspaces (see Section **??**) of the observation $T = \sqrt{\omega} P_\circ + \frac{1}{\sqrt{N}} N$ and of the signal $P_\circ$, with $\|P_\circ\|_{\mathrm{F}}^2 = \frac{\sqrt{n_1 n_2 n_3}}{N}$, as a function of the signal-to-noise ratio ω. Theoretical alignments (Theorem **??**) achieved with truncated MLSVD are compared with simulations and those achieved with the HOOI algorithm. Empirical results are averaged over 10 trials, with error bars representing standard deviation. **Experimental setting:** $d = 3$, $(n_1, n_2, n_3) = (100, 200, 300)$, $N = n_1 + n_2 + n_3$ and $(r_1, r_2, r_3) = (3, 4, 5)$.