L2 norm comparison for equispaced points, exp function, PHS with m = 3--- constant (trained) constant (untrained) deg=0 (trained) 10^{-3} Log-10 interpolation error (N=1000) deg=0 (untrained) deg=1 (trained) deg=1 (untrained) -- deg=2 (trained) deg=2 (untrained) 10^{-4} 101112131415161718192021222324252627282930 Number of interpolation nodes