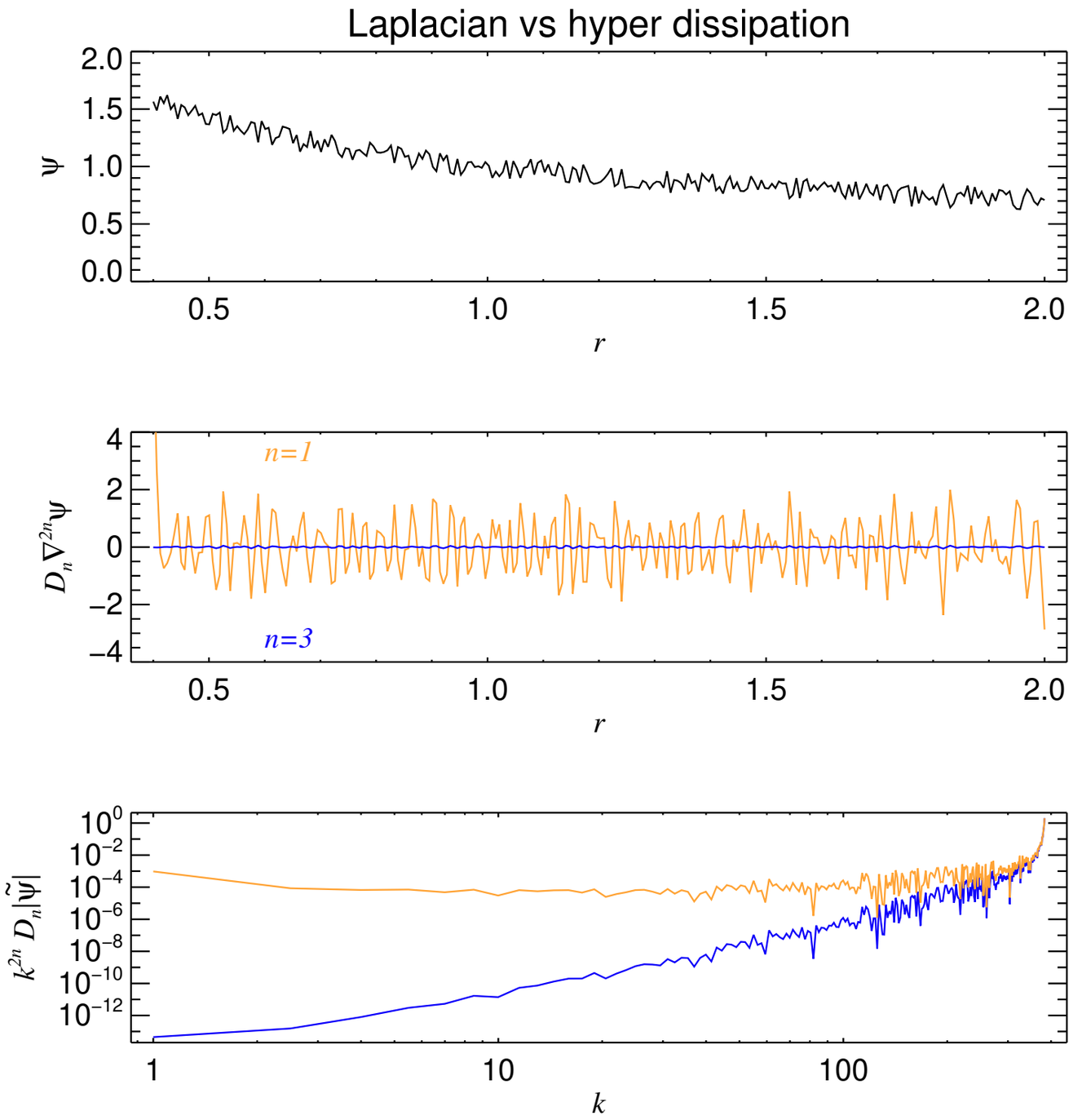
Laplacian vs hyper dissipation
2.0
1.5
1.0
0.5
0.0
ψ
0.5
1.0
1.5
2.0
r
4
2
0
−2
−4
$D_n \nabla^{2n} \psi$
n=1
n=3
0.5
1.0
1.5
2.0
r
10^0
10^{-2}
10^{-4}
10^{-6}
10^{-8}
10^{-10}
10^{-12}
$k^{2n} D_n |\tilde{\psi}|$
1
10
100
k