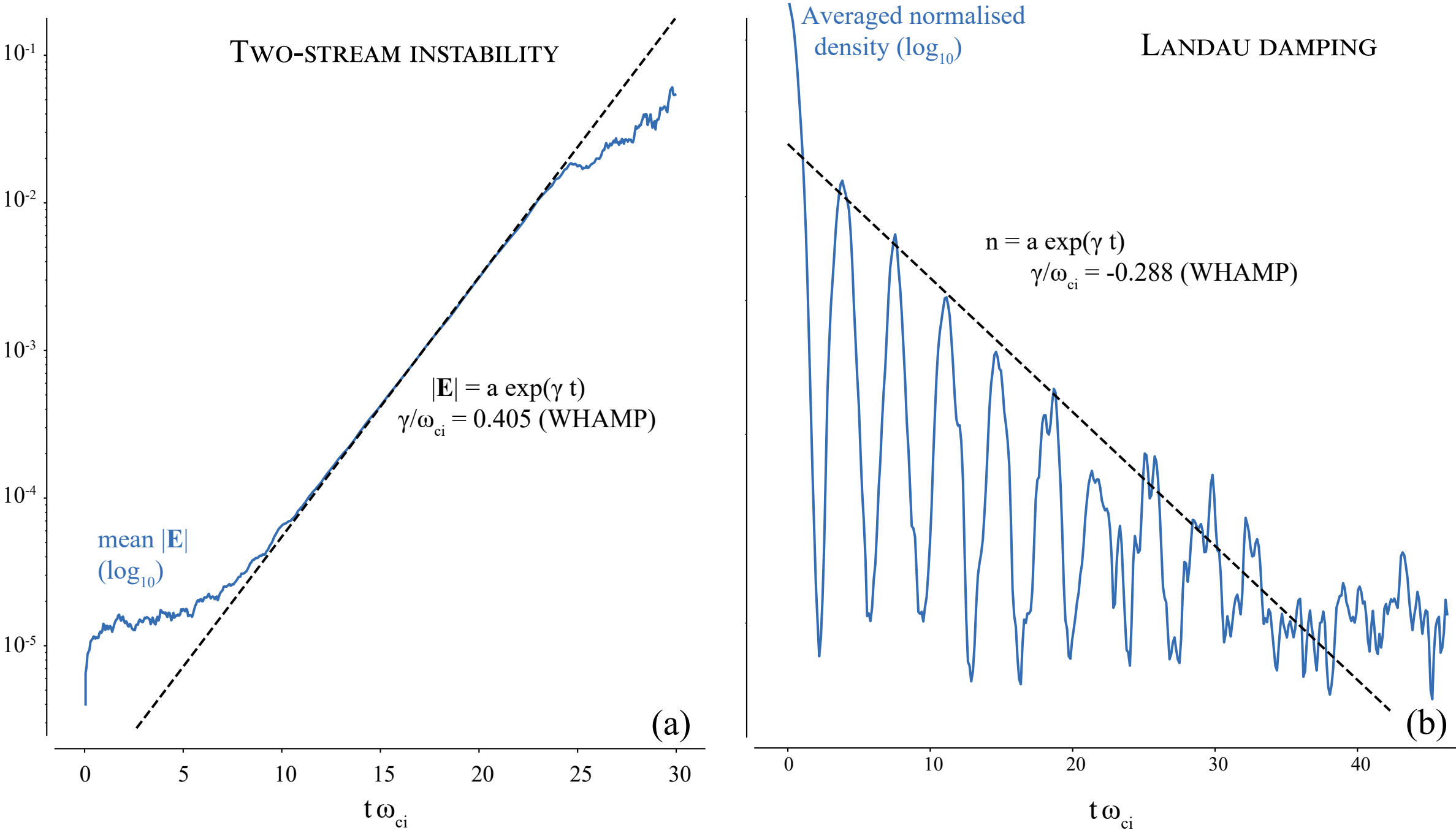
Two-stream instability
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
mean |E| ($\log_{10}$)
|E| = a exp(γ t)
γ/ω_{ci} = 0.405 (WHAMP)
(a)
0
5
10
15
20
25
30
$t\,\omega_{ci}$
Averaged normalised density ($\log_{10}$)
Landau damping
n = a exp(γ t)
γ/ω_{ci} = -0.288 (WHAMP)
(b)
0
10
20
30
40
$t\,\omega_{ci}$