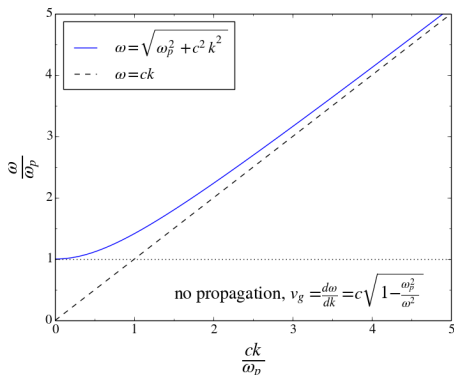


Basic EM wave interaction with plasma



- if $\omega < \omega_p \Rightarrow k^2 < 0 \Rightarrow k$ is imaginary ... no wave propagation, but reflection for $n_e > n_{crit}$
- for GOLEM $f \sim 75$ GHz ... $n_{crit} \sim 6,9 \cdot 10^{19} \text{ m}^{-3}$