

$\text{EMW1} \rightarrow \text{EPW} + \text{EMW2}$  (Stimulated Raman Scattering)

$\text{EMW1} \rightarrow \text{IAW} + \text{EMW2}$  (Stimulated Brillouin Scattering)

$\text{EMW1} \rightarrow \text{EPW1} + \text{EPW2}$  (Two-Plasmon Decay)

$\text{EPW1} \rightarrow \text{EPW2} + \text{IAW}$  (Langmuir Decay Instability)

$\text{EMW} \rightarrow \text{EPW} + \text{IAW}$  (The Parametric Instability)