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- EBW is capable of very localized heating, similar to ECCD/ECH.
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Mode Conversion in RFPs

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- Models (Ram, et al.) calculate mode conversion efficiency of RF to EBW to be as high as 100%.

Electron Bernstein Waves

- From the Hot Plasma Dispersion Relation:
  \[ 1 - \omega_e^2 = \frac{\omega - k \cdot v_p}{c} \]

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