Lower hybrid (LH) wave electric field vector \( E_{\text{LH}} \) measured by fitting polarized spectrum to the Schrodinger equation.

\[
i\hbar \frac{\partial \Psi}{\partial t} = \tilde{H}\Psi = E_{\text{LH}}
\]

SOL \( n_e \) fluctuations are expected to severely impact LH current drive by wave scattering.

**Ideal for LH Current Drive**

**Undesired Wave Scattering**

**Measurement Location**

E Martin - C Lau (ORNL)
G Wallace - R Mumgaard - S Shiraiwa (MIT)