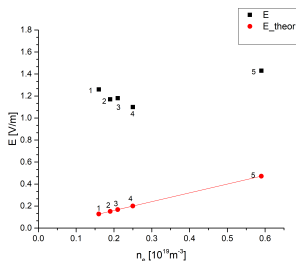
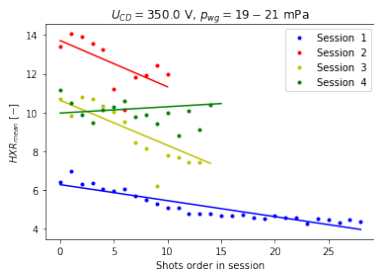


REs@GOLEM: Critical value of the electric field E_{theor}

- Low electron density ($4 - 6 \cdot 10^{18} \text{ m}^{-3}$) and relatively high loop voltage (4-6 V) \rightarrow RE generation
- Improving plasma performance with the session progress.
- Underestimation of the E_{theor} critical value by 3-10 times.



Left Evolution of the mean HXR intensity during the chosen sequence of discharges. Right - Comparison of theoretical and experimentally measured values of the critical electric field; 1: #25292, 2: #25508, 3: #25506, 4: #25507, 5: #25505.