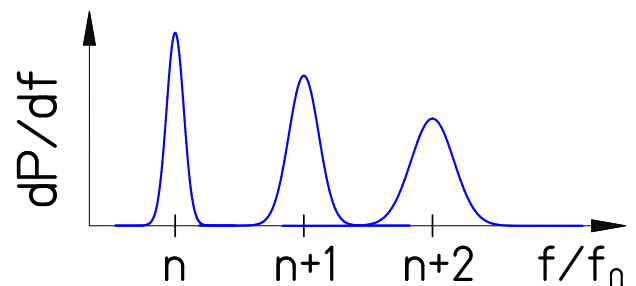
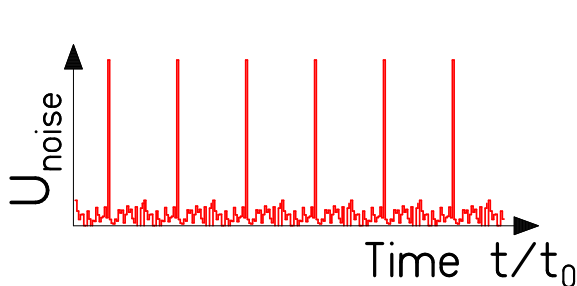
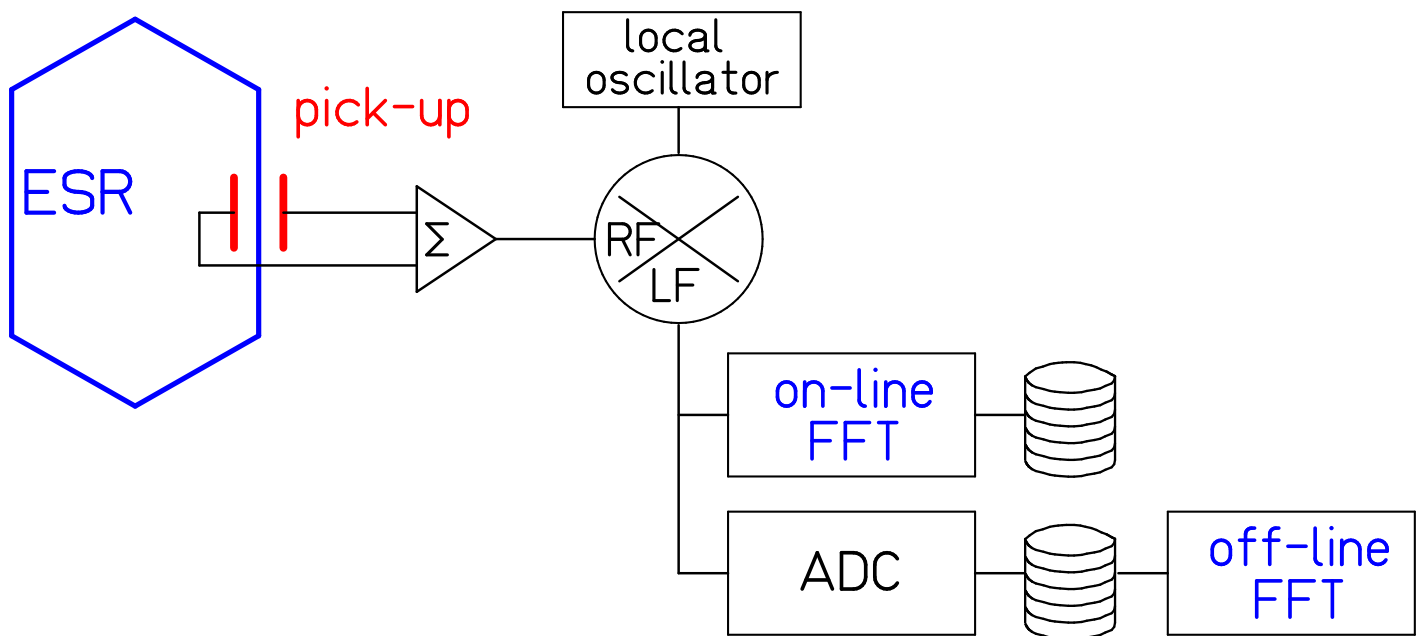


Schottky Diagnosis: Analysis of Beam Noise



Characteristics of Schottky Noise Analysis:

- * Non-destructive beam diagnosis
- * Sensitivity: single ions
- * Peak area: $P \sim N q^2$
- * Peak width: $\delta f \sim \delta p/p$
- * Measurement time: 1..100 sec.