Calibration

- Lesson from LOFAR: astroparticle physicists and astronomers think differently!
 - for ns pulse detection it is impossible to calibrate on sources in the sky. Good calibration of antennas needed!
- Near field imaging: directional gain pattern must be known
- Nanosecond relative timing required (LOFAR has single clock in core + uses RFI source for small corrections)
- Frequency band pass critical for spectrum analysis.
- Absolute calibration. LOFAR uses galactic background (possible for SKA-low above 50 MHz?) & reference source.
- What is the calibration strategy? In situ?
- Note: looking at raw time-series data has brought to light various issues at LOFAR, and help to improve general data quality!