

Processing and visualisation of data from capacity measurements of structures based on GaN

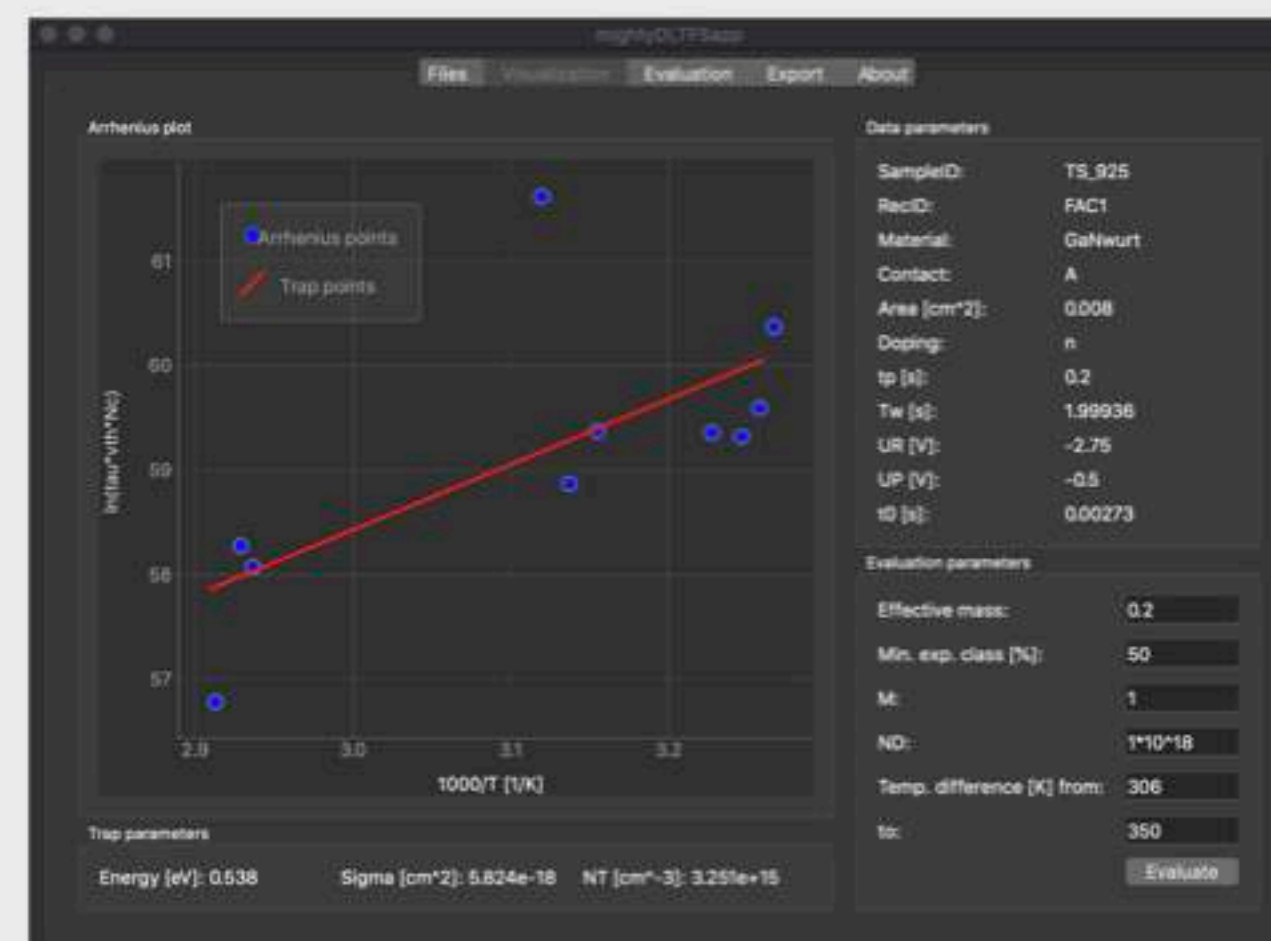
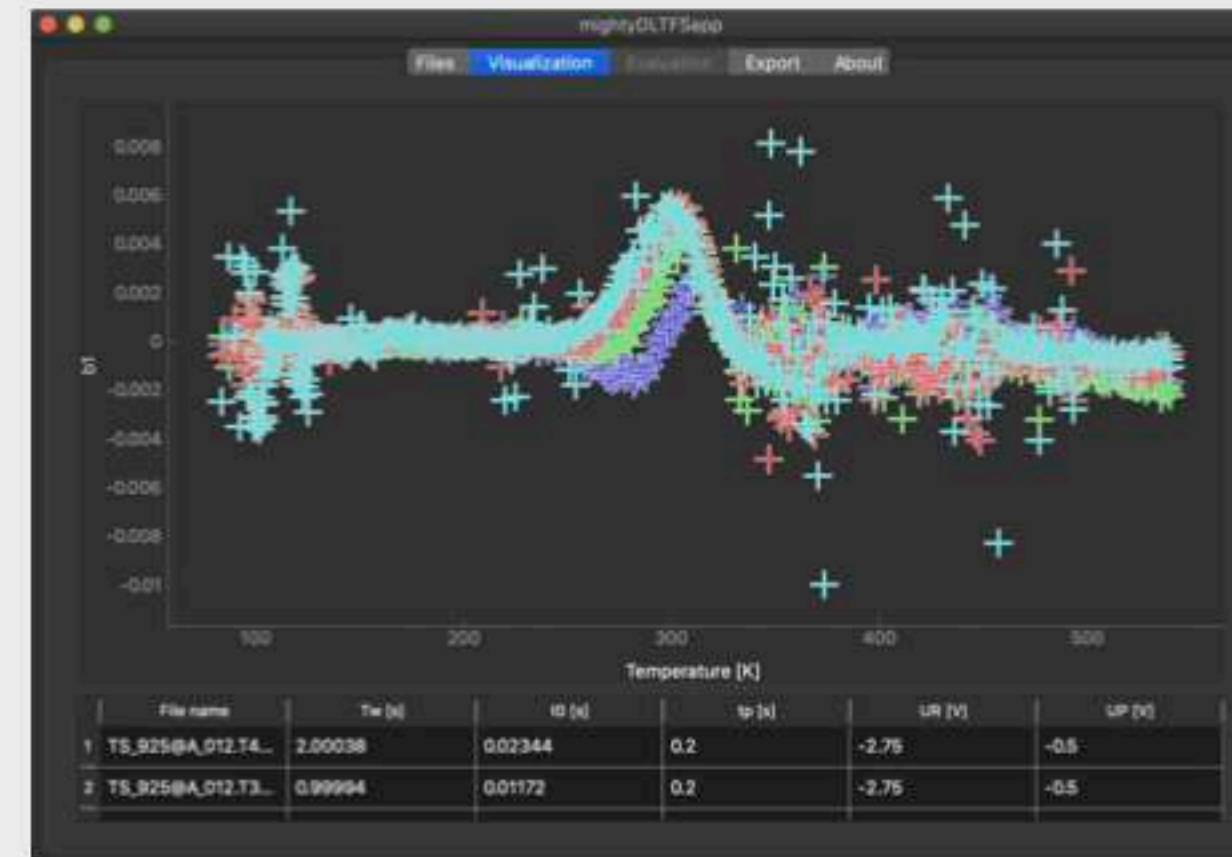
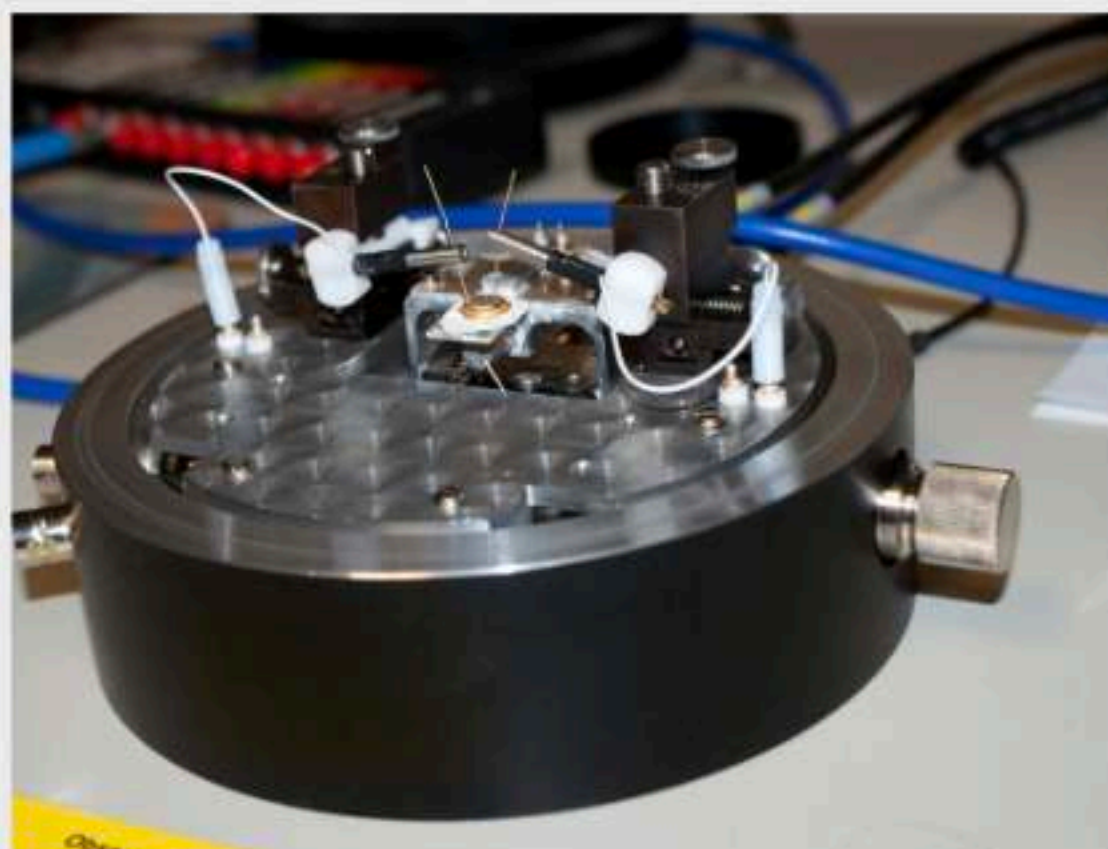
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Motivation:

- Importance of GaN material (HEMT for 5G network)
- Analysis of mathematical and physical background of DLTFs method and licensed software solution
- Design of software solution to achieve more effective evaluation process of measured data
- Implementation of proposed software solution
- Testing on measured data



Results:

- Increase of effectivity of evaluation and visualisation of measured data
- Intuitive selection of input and sensitivity parameters
- Clear table of measurement parameters
- Usable GUI
- Deployment and cooperation with experimental laboratory (project 5G_GaN2)
- Export features (png, jpg, tiff, svg, csv)
- Visualisation of structured input data types generated by spectrometer
- Possibility to extend solution with other data types and evaluation parameters