HDF5 data storage for Brillouin microscopy data

The data acquired with the Brillouin spectrometer is stored as a HDF5 file for larger compatibility with different programming languages and for a future proof archiving.

Structure of the HDF5 data storage file

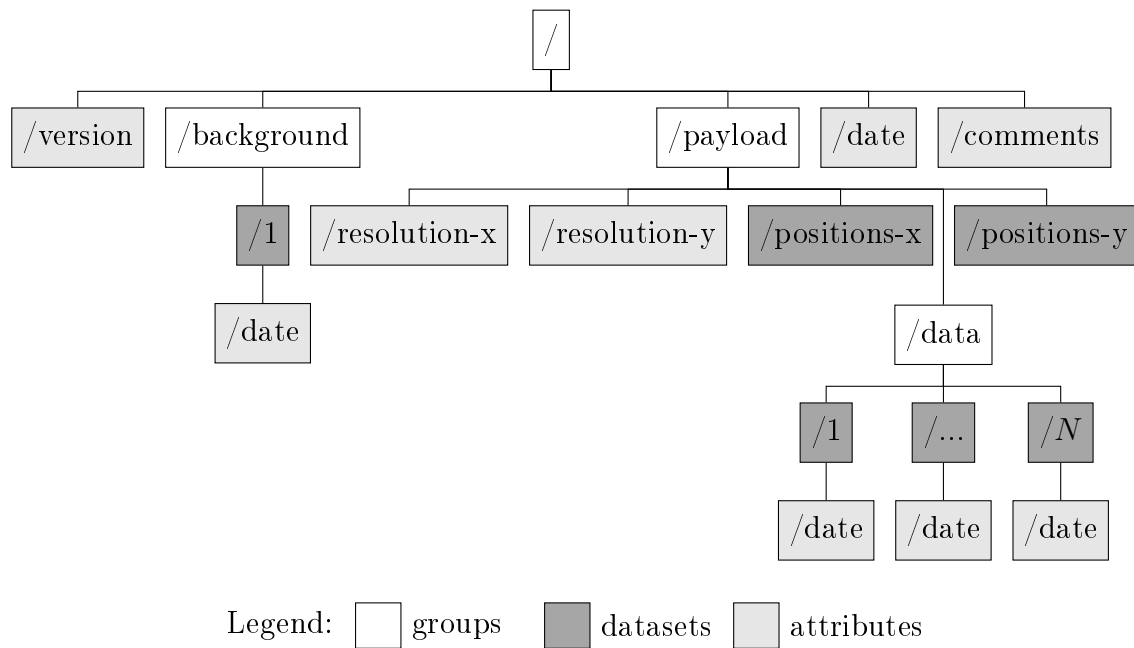The used structure is shown in figure 1.

Figure 1: Structure of the HDF5 file used for storing Brillouin image sets.

TODO: How to store the positions of the datapoints $1, ..., N$?

Writing HDF5 data

A sample script written in MATLAB for writing the HDF5 data storage file for Brillouin microscopy is provided.

Reading HDF5 data

A sample script written in MATLAB for reading the HDF5 data storage file for Brillouin microscopy is provided.