File
definition Data for a single session
name Data_Subject_<subject number>_Session_<session number>.h5
type nix file

Section
name General
type nix.metadata.section

Property
name Institution
datatype char

Property
name Recording location
datatype char

Section
name Related publications
type nix.metadata.section

Property
name Publication name
datatype char

Property
name Publication DOI
datatype char

Section
name Recording setup
type nix.metadata.section

Property
name Recording setup IEEG
datatype char

Section
name Task
type nix.metadata.section

Property
name Task name
datatype char

Property
name Task description
datatype char

Property
name Task URL
datatype char

Section
name Subject
type nix.metadata.section

Property
name Age
datatype double
unit year

Property
name Gender
datatype char

Property
name Pathology
datatype char

Property
name Depth electrodes
datatype char

Property
name Electrodes in seizure onset zone (SOZ)
datatype char

Section
name Session
type nix.metadata.section

Section
name Trial properties
type nix.metadata.section

Section
definition Trial properties for each trial
name Trial_<trial number>
type nix.metadata.section

Property
name Trial number
datatype double

Property
name Condition
datatype double

Property
name Condition name
datatype char

Property
name Number of trials
datatype double

Property
name Trial duration
datatype double

Block
definition Data for a single session
name Data_Subject_<subject number>_Session_<session number>
type nix.session

Group
name IEEG data
type nix.group

DataArray
definition IEEG data for each trial
name IEEG_Data_Trial_<trial number>
type nix.regular_sampled.multiple_series
datatype double
label Voltage
unit uV
dataExtent [<number of IEEG channels> <number of timepoints>]

Dimension (Set)
labels <IEEG channel names>

Dimension (Sample)
label Time
unit s
samplingInterval 5.0000e-04
offset -2

SingleTag
definition Events for each trial: Stimulus condition

Group
name Trial events single tags IEEG
type nix.group

Group
name Spike times
type nix.group

DataArray
definition Spike times for each unit and each trial
name Spike_Times_Unit_<unit number>_<channel name>_Trial_<trial number>
type nix.irregular_sampled
datatype double
label Time
unit s
dataExtent <number of spikes>

Dimension (Range)
label Time
unit s
isAlias 1
ticks <number of spikes>

SingleTag
definition Events for each trial: Fixation, stimulus, maintenance probe, response

Group
name Trial events single tags spike times
type nix.group

Group
name Spike waveforms
type nix.group

DataArray
definition Waveform for each unit
name Spike_Waveform_Unit_<unit number>_<channel name>
type nix.regular_sampled
datatype double
label Voltage
unit uV
dataExtent [2 <number of timepoints>]

Dimension (Set)
labels 'Mean','Std'

Dimension (Sample)
label Time
unit s
samplingInterval 3.1250e-05
offset -5.9375e-04

MultiTag
definition Spike times and waveforms for each unit
name Multitag_Spike_Times_Unit_<unit number>_<channel name>_Trial_<trial number>
type nix.events

Group
name Spike times multitags
type nix.group

Group
name IEEG electrode information
type nix.group

DataArray
definition Electrode map for IEEG channels
name IEEG_Electrode_Map
type nix.electrodes
datatype uint16
dataExtent <number of IEEG channels>

Source
definition Sources for each IEEG channel
name IEEG electrode <channel number>
type nix.source

Source
name <channel name>
type nix.source

Source
name <anatomical location>
type nix.source

Source
name Inside/Outside SOZ
type nix.source

MultiTag
name IEEG electrode map multitags
type nix.electrodes

DataArray
name IEEG_Electrode_MNI_Coordinates
type nix.electrodes.coordinates
datatype double
label MNI coordinates
unit mm
dataExtent [<number of IEEG channels> 3]

Dimension (Set)
labels <IEEG channel names>

Dimension (Set)
labels 'x','y','z'