

Python 3.6.7 |Anaconda, Inc.| (default, Dec 10 2018, 20:35:02) [MSC v.1915 64 bit (AMD64)]

Type "copyright", "credits" or "license" for more information.

IPython 7.2.0 -- An enhanced Interactive Python.

```
In [1]: import qcodes as qc
found kernels site
```

```
In [2]: from qcodes.instrument_drivers.ZI.ZIMFLI import ZIMFLI
```

```
In [3]: zidev = ZIMFLI( name='ZIMFLI', device_ID='DEV4039' )
Discovered device `dev4039`: with options .
*** Use SIMULATION mode ***
c:\users\m.wagener\qutech\qcodes\qcodes\instrument\parameter.py:251:
UserWarning: Wrapping get method, original get method will not be directly
accessible. It is recommended to define get_raw in your subclass instead.
  warnings.warn('Wrapping get method, original get method will not '
```

```
In [4]: bf = zidev.buffered_freq1
```

```
In [5]: sv = bf.sweep( 10, 20, num=5 )
```

```
In [6]: l = qc.Repetition(2).buffered_loop(sv)
```

```
In [7]: l = l.each(zidev.submodules['signal_in1'])
```

```
In [8]: l.run()
DBG: bufFreqSweep values= ZIMFLI_buffered_freq1
DBG: bufFreqSweep layer = [10.0, 12.5, 15.0, 17.5, 20.0]
DBG: bufFreqSweep args = (0,)
DBG: bufFreqSweep kwargs= {}
DBG: bufFreqGetMeas
DBG: reset_programs
Started at 2019-08-06 08:36:34
DBG: bufFreqSweep values= ZIMFLI_buffered_freq1
DBG: bufFreqSweep layer = [10.0, 12.5, 15.0, 17.5, 20.0]
DBG: bufFreqSweep args = (0,)
DBG: bufFreqSweep kwargs= {}
DBG: bufFreqSend 0
DBG: bufFreqRun 0
DataSet:
  location = 'data/2019-08-06/#001_{name}_08-36-34'
  <Type>    | <array_id>                | <array.name>          | <array.shape>
  Setpoint  | __repetition_set          | __repetition          | (2,)
  Setpoint  | ZIMFLI_buffered_freq1_set | buffered_freq1        | (2, 5)
  Measured  | ZIMFLI_signal_in1         | ZIMFLI_signal_in1     | (2, 5)
Finished at 2019-08-06 08:36:34
Traceback (most recent call last):
```

```
File "<ipython-input-8-d43169b266fe>", line 1, in <module>
    l.run()
```

```
File "c:\users\m.wagener\qutech\qcodes\qcodes\loops.py", line 999, in run
    self._run_wrapper()
```

```
File "c:\users\m.wagener\qutech\qcodes\qcodes\loops.py", line 1048, in
_run_wrapper
    self._run_loop(*args, **kwargs)
```

```

File "c:\users\m.wagener\qutech\qcodes\qcodes\loops.py", line 1726, in
__run_loop
    current_values=new_values)

File "c:\users\m.wagener\qutech\qcodes\qcodes\actions.py", line 183, in
__call__
    self.inner_loop._run_loop(action_indices=self.action_indices, **kwargs)

File "c:\users\m.wagener\qutech\qcodes\qcodes\loops.py", line 1458, in
__run_loop
    callables = self._compile_actions(self.actions, action_indices)

File "c:\users\m.wagener\qutech\qcodes\qcodes\loops.py", line 1033, in
__compile_actions
    self.use_threads))

File "c:\users\m.wagener\qutech\qcodes\qcodes\actions.py", line 126, in
__init__
    if param._instrument:

File "c:\users\m.wagener\qutech\qcodes\qcodes\utils\helpers.py", line 430,
in __getattr__
    self.__class__.__name__, key))

```

AttributeError: 'SignalInputChannel' object and its delegates have no attribute '_instrument'

In [9]:

In [9]: