

test2

September 8, 2020

```
[4]: import strax
```

0.0.1 Declare all information necessary to set up the DB interface

```
[ ]: corrections=strax.  
     ↪ CorrectionsInterface(host=None,username=None,password=None,database_name='corrections')
```

```
[6]: corrections.list_corrections()
```

```
[6]: ['pmt_44_gain_xenon1t',  
      'pmt_17_gain_xenon1t',  
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      'pmt_239_gain_xenon1t',  
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'pmt_134_gain_xenon1t',  
'pmt_25_gain_xenon1t']
```

0.0.2 Read a correcgtion (e.g. pmt gains in the DB)

```
[10]: df =corrections.read('pmt_55_gain_xenon1t')
```

```
[11]: df
```

```
[11]:
```

		name	ONLINE	v1
	time			
2016-02-22	18:41:03	160222_1940	0.000000	0.000000
2016-02-22	18:43:21	160222_1943	0.000000	0.000000
2016-02-22	18:44:08	160222_1944	0.000000	0.000000
2016-02-22	18:45:30	160222_1945	0.000000	0.000000
2016-02-22	18:48:31	160222_1948	0.000000	0.000000
...	
2018-12-03	05:20:00	181203_0519	0.008664	0.008664
2018-12-03	06:20:09	181203_0620	0.008664	0.008664
2018-12-03	07:20:24	181203_0720	0.008664	0.008664
2018-12-03	08:20:35	181203_0820	0.008664	0.008664
2018-12-03	08:41:11	181203_0841	0.008664	0.008664

[24488 rows x 3 columns]

0.0.3 Write example of a dataframe

```
[13]: corrections.write('test',df)
```

```
[13]: <pymongo.results.InsertManyResult at 0x7f947420fc88>
```

0.0.4 Read global version

```
[8]: df_global = corrections.read('global_xenon1t')
```

```
[9]: df_global
```

```
[9]:
```

			ONLINE	\
	time			
2016-01-01		{'pmt_0_gain_xenon1t': 'v1', 'pmt_1_gain_xenon...		
2019-01-01		{'pmt_0_gain_xenon1t': 'v1', 'pmt_1_gain_xenon...		

v1

	time		
2016-01-01		{'pmt_0_gain_xenon1t': 'v1', 'pmt_1_gain_xenon...	
2019-01-01		{'pmt_0_gain_xenon1t': 'v1', 'pmt_1_gain_xenon...	