
pyfact Documentation

Release 0.1

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February 09, 2012

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INTRODUCTION

pyfact provides support for analysing FACT data using python. This comprises:

- classes for accessing and analysing FACT data
- tools for specific tasks
- general python language support
- examples

CLASSES

2.1 pyfact.py

2.1.1 rawdata access

2.1.2 fnames of a data run

EXAMPLES

3.1 calling a system command

Using the `os` module any command executable on the command line can be called within a script. This is in particular true for your own python scripts:

```
import os
os.system('echo long listing of dir; pwd; ls -l')
```

or suppose you created a script `my_script.py`:

```
from os import system
system('python my_scrip.py')
```


PHYTON IN FACT

Python is installed on the fact cluster at ISDC. Presently python 2.4.3 an upgrade, is planned soon.

The presence of the following python modules is supposed. They are not part of the standard distribution.:

- `numpy`: basis of numerical computation in python
- `scipy`: scientific computation in python including Fourier transforms, signal processing
- `matplotlib`: provides a matlab like plotting environment (still missing!!!)
- `pyfits`: easy access to fits files

Other packages used in pyfact being part of a standard python installation:

- `os`: misc functions providing access to the operating system. Among others a function `system` is provided, allowing to run system commands.

INDICES AND TABLES

- *genindex*
- *modindex*
- *search*