PyROOT

- Benefits

- Installation

- Conversion from CINT

Benefits

- No Pointers

- No C++ namespaces – everything imports as a module

- Compilation options exist (py_compile, py2exe)

- Can make plots directly from a steering script or more elaborate analysis written in python

- ipython – record interactively, greedy completion, etc

Installation/usage

- Later ROOT versions should install automatically, see
  http://root.cern.ch/drupal/content/how-use-use-python-pyroot-interpreter

- Set the PYTHONPATH variable to include <your root directory>/lib

Converting Code

- from ROOT import * has unpredictable behavior

- import specific modules or simply ROOT

- replace pointer (->) operations with "." and similarly with namespaces (::) with "."

- Probably have to add some pauses
    raw_input("Press Enter To Continue: ")

- some useful scripts:
    http://www.nevis.columbia.edu/~oneill/research/pyROOT/