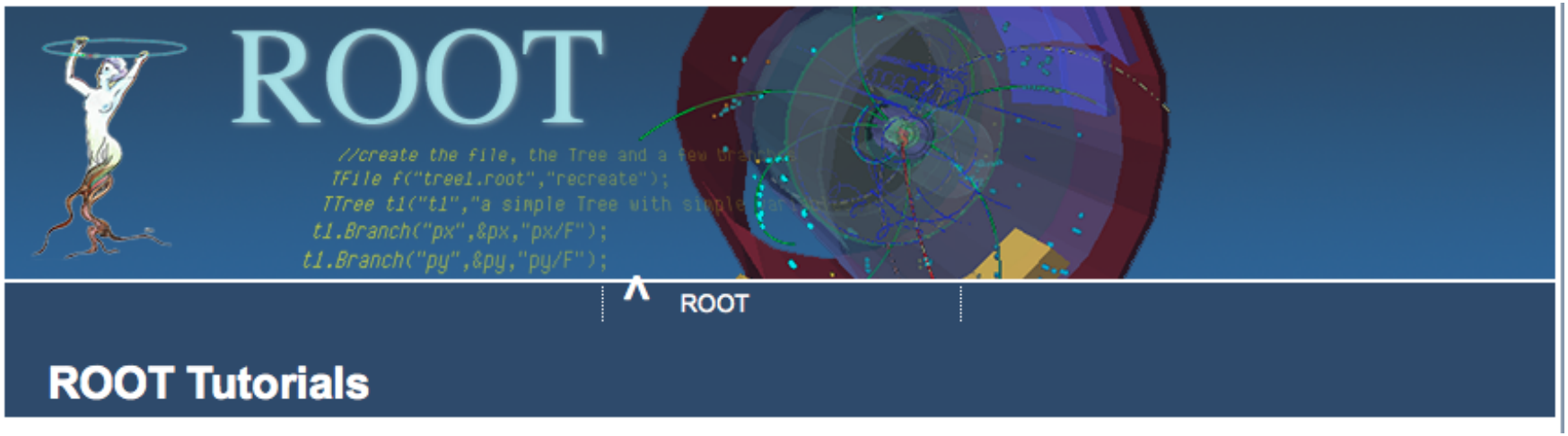
Introductory Data Analysis - A Hands-on Approach

Lecture 8 Homework

Run (and understand) 2 example macros per 1 subdirectory (15 subdirectories of your choice in total)
$ROOTSYS/tutorials
(or http://root.cern.ch/root/html/tutorials/)

1. Add your own comments to each macro (to show that you understand the original macros from root tutorials). Copy macros, and result plot(s) to a power point file.

2. Make small modifications of your choice to the orignal macro. Describe what you did (as comment lines inside macro). Copy macros, and result plot(s) to a power point file.



ROOT Tutorials

From $ROOTSYS/tutorials/

hist	Histograms
graphics	Basic Graphics
graphs	TGraph, TGraphErrors, etc
gui	Graphics User Interface
fit	Fitting tutorials
fitsio	CFITSIO interface
io	Input/Output
tree	Trees I/O, Queries, Graphics
math	Math tutorials
matrix	Matrix packages tutorials
geom	Geometry package
gl	OpenGL examples
eve	Event Display
fft	Fast Fourier Transforms
foam	TFoam example
image	Image Processing
mlp	Neural Networks
net	Network, Client/server
physics	Physics misc
proof	PROOF tutorials
pyroot	Python-ROOT
pythia	Pythia event generator
quadp	Quadratic Programming package
roofit	RooFit tutorials
roostats	Roostats tutorials
ruby	Ruby-ROOT
spectrum	Peak Finder, Deconvolutions
splot	TSPlot example
sql	SQL Data Bases interfaces
thread	Multi-Threading examples

Download ROOT and run the tutorials in $ROOTSYS/tutorials yourself!

http://root.cern.ch/root/html/tutorials/