

Ph

vector<XPSFile==LNLSFile> xps\_files\_ xps\_file

file\_name  
experiment  
  
read()  
write()

std::vector<Region> regions\_ region

members of xps data of one region

energy\_high\_, energy\_low\_  
energy\_step\_, scans\_  
dwell\_, energypass\_  
vector<double> counts\_

members related to xps

std::vector<double> shirley\_backgrounds\_  
std::vector<point>points\_ (simulated)  
points\_iterator()  
point={energy, count, shirley\_background}

std::vector<Plot2D> plot2ds plot2d

&points\_  
genPpl()

plot\_config\_data  
  
title, xlabel  
ylabel, xrange  
reversed

members for export to xpd

bellfitvars\_  
area\_  
theta(), phi(), area()

group of members related to xpd

std::vector<point>theta\_phi\_points\_  
theta\_phi\_point\_iterator(), area()  
points\_iterator()

std::vector<XPDPlot> xpd\_plots\_ xpd\_plot

&points\_  
experiment  
genPplPizza()  
genExpFile()

xpd\_plot\_data  
  
title, xlabel  
ylabel, xrange  
reversed