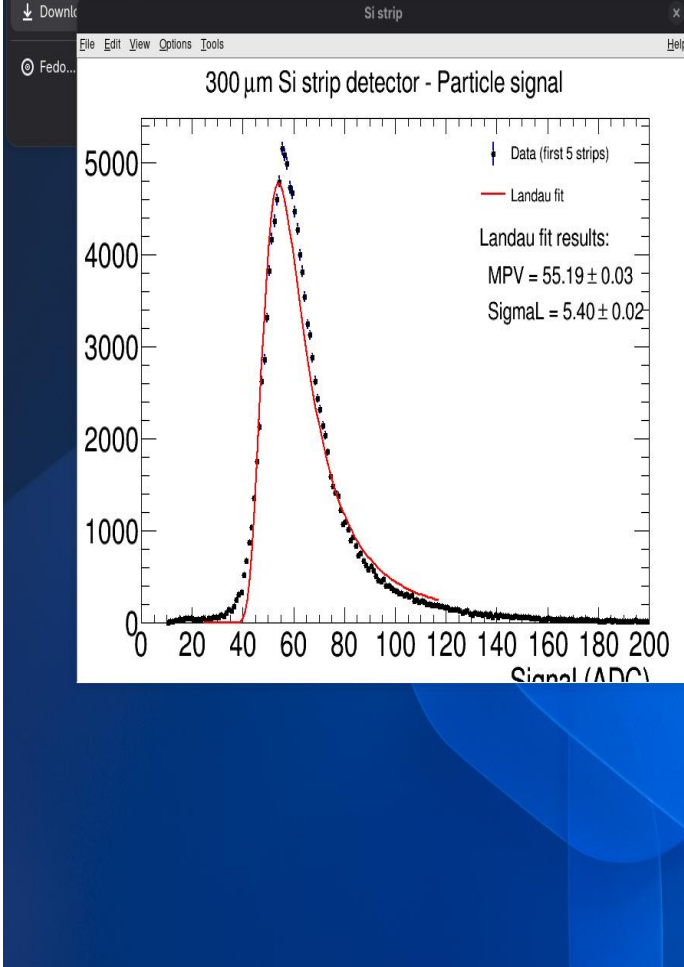


```
yr@fedora:~/Downloads$ root -l
root [0] .L analysis.C+
Info in <TUnixSystem::ACLIC>: creating shared library /home/yr/Downloads/./analysis_C.so
Warning in cling::IncrementalParser::CheckKABICompatibility():
Possible C++ standard library mismatch, compiled with __GLIBCXX__ '20260321'
Extraction of runtime standard library version was: '20260501'
root [1] analysis()
Info in <TCanvas::MakeDefCanvas>: created default TCanvas with name c1
Warning in <TCanvas::Constructor>: Deleting canvas with same name: c1
Info in <TCanvas::Print>: pdf file signal_fit.pdf has been created
Done. PDF saved as signal_fit.pdf
root [2]
```



```
analysis.C
~/Downloads
analysis.C
#include "TStyle.h"
#include "TFile.h"
#include "TH2.h"
#include "TH1.h"
#include "TF1.h"
#include "TCanvas.h"
#include "TLegend.h"
#include "TPaveText.h"
#include <iostream>

void setMyStyle() {
    gStyle->SetFrameBorderMode(0);
    gStyle->SetCanvasColor(0);
    gStyle->SetPadColor(0);
    gStyle->SetStatColor(0);
    gStyle->SetLegendFillColor(0);
    gStyle->SetLegendBorderSize(0);
    gStyle->SetPadTopMargin(0.05);
    gStyle->SetPadRightMargin(0.05);
    gStyle->SetPadBottomMargin(0.14);
    gStyle->SetPadLeftMargin(0.12);
    gStyle->SetTextFont(42);
    gStyle->SetTextSize(0.06);
    gStyle->SetLabelFont(42, "x");
    gStyle->SetTitleFont(42, "x");
    gStyle->SetLabelFont(42, "y");
    gStyle->SetTitleFont(42, "y");
    gStyle->SetLabelSize(0.06, "x");
    gStyle->SetTitleSize(0.06, "x");
    gStyle->SetLabelSize(0.06, "y");
    gStyle->SetTitleSize(0.06, "y");
    gStyle->SetHistLineWidth(2);
    gStyle->SetOptStat(0);
    gStyle->SetOptTitle(0);
    gStyle->SetOptFit(0);
    gStyle->SetPadTickX(1);
    gStyle->SetPadTickY(1);
}
```