```
void macroo(){
    TH1F *h1= new TH1F("h1", "H1", 500, 0., 5.);
    TH1F *h2= new TH1F("h2", "H2", 500, 0., 5.);

    gRandom -> SetSeed();

    for(int i=0; i<10e6; i++){ //generazione esplicita
        double x = gRandom -> Gaus(2.5, 0.25);
        h1->Fill(x);
        if (i<10e4){
        double y = gRandom -> Uniform(0., 5.);
        h2->Fill(y);}
    }

    h1 -> Sumw2();
    h2 -> Sumw2();

    TH1F *h3 = new TH1F("h3", "H3", 500, 0., 5.);
    h3 -> Add(h1, h2, 1, 1); //somma

    //TH1F *h3 = new TH1F(*h1);
    //h3 -> Add(h2, 1);
    TF1 *fit = new TF1("fit", "gaus + [3]", 0., 5.);
    fit->SetParameter(1, 2.5);
    fit->SetParameter(2, 0.25);

    h3 -> Fit("fit");

    std::cout << "Ampiezza= " << fit -> GetParameter(0) << "+/-" << fit -> GetParError(0) <<
'\n';
    std::cout << "Media= " << fit -> GetParameter(1) << "+/-" << fit -> GetParError(1) <<
'\n';
    std::cout << "Deviazione standard= " << fit -> GetParameter(2) << "+/-" << fit ->
GetParError(2) << '\n';
    std::cout << "Deviazione standard= " << fit -> GetParameter(3) << "+/-" << fit ->
GetParError(3) << '\n';
    std::cout << "Chisquare/NDF= " << fit -> GetChisquare() / fit -> GetNDF() << '\n';

}
```