Subject: [SOLVED] PAnyDistribution Add Multiple equation
Posted by Michael Kunkel on Sat, 29 Sep 2012 05:22:29 GMT

Greetings

I would like to implement several logic statements into a distribution using PAnyDistrubution.

I tried to model this by mimicking the example macro demo_PAnyDistribution in the macros directory.

  TH1F * cache = new TH1F ("cache","Rho0 t cache",400,-4.0,0.0);

   decay->AddEquation(cache,"beam = _parent->GetBeam(); beam->Boost(_parent) ; t1 = (beam - [rho0])->Mag2(); _x = t1;");

  decay->AddEquation("beam2 = _parent->GetBeam(); beam2->Boost(_parent); if (beam2 < 4.6) _f = exp(6.9*t1); if (beam2 > 4.6) _f = exp(8.9*t1);");

It seems I do not understand, because PLUTO will always execute the first "IF" statement regardless of the beam energy.

If this something I would have to use a 2D histogram for? A 2D histogram seems overkill for a project like this.

Thanks