

---

Subject: [SOLVED] PAnyDistribution Add Multiple equation  
Posted by [Michael Kunkel](#) on Sat, 29 Sep 2012 05:22:29 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

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

---