Subject: Re: Dalitz Decays of higher resonances.
Posted by Ingo Froehlich on Thu, 13 Oct 2011 15:36:13 GMT
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You are absolutely right, there was no flat electron generator enabled. The reason is that the new decays were not recognized as Dalitz-Decays (hardcoded in PData.h).

I did the following changes in PData.h (IsDalitz):

```
    int d = makeStaticData()->GetParticleBaryon(id) &&  // Delta0 Dalitz decay?
  ((makeStaticData()->IsParticle(i1,"dilepton") &&
    makeStaticData()->GetParticleBaryon(i2)) ||
   (makeStaticData()->GetParticleBaryon(i1) &&
    makeStaticData()->IsParticle(i2,"dilepton")));

    return (pseudo&&eeg) || (pseudo&&mumug) ||
  (vector&&eepi) || (vector&&mumupi)
  || D0 || Dp || pn || NS0 || NSp || d;
```

now it should print:
Info in <PDalitzModPlugin::ExecCommand>: Model <NS11+_dalitz> uses dGamma/dM for the branching ratio
Info in <PDalitzModPlugin::ExecCommand>: Model <NP110_dalitz> uses dGamma/dM for the branching ratio
Info in <PDalitzModPlugin::ExecCommand>: Model <ND130_dalitz> uses dGamma/dM for the branching ratio
Info in <PDalitzModPlugin::ExecCommand>: Model <NS110_dalitz> uses dGamma/dM for the branching ratio

and:
[ND13+_generator_p_dilepton] Dilepton generator {/generator}