
Subject: [CLOSED] Turning ON/OFF Models

Posted by [Michael Kunkel](#) on Tue, 03 Apr 2012 17:57:34 GMT

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Greetings again,

I use PLUTO for simulating eta dalitz decays produced via photoproduction on a liquid hydrogen target ($\gamma p \rightarrow p \eta [e^+e^-\gamma]$). I ensure that I use a beam profile of a $1/E(\gamma)$ in the simulation, however the reconstructed parameters do not match the data.

So what I would like to do is use the data itself as the initial parameters and have PLUTO decay the eta via dalitz decay, ie event by event use the parameters:

Photon Beam Energy (0, 0, E, E)

Target

Proton "myproton = P3M(px,py,pz,mass);"

Eta "myEta = P3M(etapx,etapy,etapz,etamass);"

then use

PReaction my_reaction("Beam_Energy","g","p","myproton myeta [dilepton [e+ e-] g]","eta_data_simulate",1,0,0,0);

Is it possible, since these variables are from data, to only have the eta dalitz physics operational when running PLUTO?

Thanks

Michael
