
Subject: Re: EvtGen Output Fixed Point Precision
Posted by [Marius Mertens](#) on Thu, 16 Jul 2009 15:37:36 GMT
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Hi Stefano, hi all,

actually I was hoping that somebody might already have fixed some numbers on the required input precision

As of now, because the mass is not explicitly stored, a Pion for example can (depending on its momentum) have a mass which is wrong by $\pm 2.5\text{MeV}$ when you calculate it from its total energy and momentum.

But I don't have any feeling yet if there might be a situation where this could turn out to be harmful. I'd also be interested in more opinions on the desired precision for the input values.

Best regards,

Marius
