
Subject: Re: EvtGen and its future

Posted by [Johan Messchendorp](#) on Fri, 26 Nov 2010 22:55:15 GMT

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Hi,

Hereby, a few comments that were mentioned during the meeting this morning.

EvtGen wishes for PANDA

- * Panda would encourage to have EvtGen as an external package, e.g. its maintenance external as VMC, G4, etc .
- * EvtGen source available centrally via f.e. subversion, with various branches.
- * EvtGen compatible with large range of distributions and compilers
- * No dependencies on non-maintained code, such as cernlib (as was shown possible by Bjoern already)
- * Code cleaning: getting rid of many compilation warnings
- * Easy implementation of users own physics implementation (which is already a feature of existing EvtGen)
- * Interfacing to compact and "user-friendly" formats, such as Root (provides f.e. TParticle browsing etc)
- * Interfacing to user-preferred random number generators, f.e. for PANDA that would be TRandomX.
- * Support for initial higher spin states (beyond virtual 1-- photons) , as possible in p-pbar

What can PANDA deliver?

- * Testing community for EvtGen developments, e.g. find bugs, suggest features, etc.... Since PANDA is in its development stage, we are a perfect Guinea pig!
- * Implementation of physics code for typical PANDA reactions from our user community/interest
- * As it looks right now, for the upcoming years, PANDA will hardly have the human resources to contribute to the core developments for EvtGen

Did I miss anything?

Greetings,

Johan.
