
Subject: Re: Bug in GenfitTrack2PndTrack
Posted by [Lia Lavezzi](#) on Wed, 02 Sep 2009 10:11:18 GMT
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Hi Stefano,

I had a look to the problem and I think the "spu" information is missing in the conversion.

If you add in GeaneTrackRep.h a function:

```
double getSPU() {return _spu;}
```

to retrieve it, and in PndGenfitAdapter.cxx you add:

```
double spu = gtr->getSPU();
```

and use:

```
FairTrackParP first(firstState[3][0],firstState[4][0],firstState[1][0],firstState[2][0],  
firstState[0][0],firstCova,firstPlane.getO(),firstPlane.getU(),firstPlane.getV(),spu);
```

```
FairTrackParP last(lastState[3][0],lastState[4][0],lastState[1][0],lastState[2][0],lastState[0][0],  
lastCova,lastPlane.getO(),lastPlane.getU(),lastPlane.getV(),spu);
```

instead of using just:

```
FairTrackParP first(firstState[3][0],firstState[4][0],firstState[1][0],firstState[2][0],  
firstState[0][0],firstCova,firstPlane.getO(),firstPlane.getU(),firstPlane.getV());
```

```
FairTrackParP last(lastState[3][0],lastState[4][0],lastState[1][0],lastState[2][0],lastState[0][0],  
lastCova,lastPlane.getO(),lastPlane.getU(),lastPlane.getV());
```

to use spu during the conversion, the problem should be fixed.

Can you please test it and tell me if it is ok?

Ciao,

Lia.