
Subject: [NOTABUG] EvtGenDirect, error while simulation: Error in
<TArrayF::At>: index 548722 out of bo
Posted by [Simone Esch](#) on Tue, 20 Aug 2013 07:28:46 GMT
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Hallo PandaRoot users.

At the moment I simulate lambdas on my Mac (OS X 10.8.4) with EvtGenDirect (apr13 external packages, Rev of EvtGen directory:20618, Rev of EvtGenDirect directory:20618)

Once in a while I get output like this:

```
[INFO ] FairPrimaryGenerator: (Event 1045) 7 primary tracks from vertex (0.000000,
0.000000, 0.000000 ) with beam gradient (0.000000, 0.000000) Event Time = 0.000000 (ns)
DIGI EXECUTION *****
```

```
**** GTRIGI: IEVENT= 1046 IDEVT= 1046 Random Seeds = 6 0
-W FairPrimaryGenerator: PDG code 88888 not found in database. This warning can be
savelly ignored.
```

```
[INFO ] FairPrimaryGenerator: (Event 1046) 7 primary tracks from vertex (0.000000,
0.000000, 0.000000 ) with beam gradient (0.000000, 0.000000) Event Time = 0.000000 (ns)
Error in <TArrayF::At>: index 548722 out of bounds (size: 544960, this: 0x7f9af43370e0)
Error in <TArrayF::At>: index 548853 out of bounds (size: 544960, this: 0x7f9af43370e0)
Error in <TArrayF::At>: index 548723 out of bounds (size: 544960, this: 0x7f9af43370e0)
Error in <TArrayF::At>: index 548854 out of bounds (size: 544960, this: 0x7f9af43370e0)
Error in <TArrayF::At>: index 548722 out of bounds (size: 544960, this: 0x7f9af44153c0)
Error in <TArrayF::At>: index 548853 out of bounds (size: 544960, this: 0x7f9af44153c0)
Error in <TArrayF::At>: index 548723 out of bounds (size: 544960, this: 0x7f9af44153c0)
Error in <TArrayF::At>: index 548854 out of bounds (size: 544960, this: 0x7f9af44153c0)
Error in <TArrayF::At>: index 548722 out of bounds (size: 544960, this: 0x7f9af4415a60)
Error in <TArrayF::At>: index 548853 out of bounds (size: 544960, this: 0x7f9af4415a60)
Error in <TArrayF::At>: index 548723 out of bounds (size: 544960, this: 0x7f9af4415a60)
Error in <TArrayF::At>: index 548854 out of bounds (size: 544960, this: 0x7f9af4415a60)
DIGI EXECUTION *****
```

```
**** GTRIGI: IEVENT= 1047 IDEVT= 1047 Random Seeds = 6 0
-W FairPrimaryGenerator: PDG code 88888 not found in database. This warning can be
savelly ignored.
```

Should I be concerned?

Best Regards

Simone

Subject: Re: EvtGenDirect, error while simulation: Error in <TArrayF::At>: index
548722 out of bounds
Posted by [Elisabetta Prencipe \(2\)](#) on Tue, 20 Aug 2013 07:41:59 GMT
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Hi Simone,

we are two people with the same problem, then:

```
Error in <TArrayF::At>: index 545575 out of bounds (size: 544960, this: 0x9bc58d0)
Error in <TArrayF::At>: index 545706 out of bounds (size: 544960, this: 0x9bc58d0)
Error in <TArrayF::At>: index 545576 out of bounds (size: 544960, this: 0x9bc58d0)
Error in <TArrayF::At>: index 545707 out of bounds (size: 544960, this: 0x9bc58d0)
Error in <TArrayF::At>: index 545575 out of bounds (size: 544960, this: 0x9c40438)
Error in <TArrayF::At>: index 545706 out of bounds (size: 544960, this: 0x9c40438)
Error in <TArrayF::At>: index 545576 out of bounds (size: 544960, this: 0x9c40438)
Error in <TArrayF::At>: index 545707 out of bounds (size: 544960, this: 0x9c40438)
Error in <TArrayF::At>: index 545575 out of bounds (size: 544960, this: 0x9c755a8)
Error in <TArrayF::At>: index 545706 out of bounds (size: 544960, this: 0x9c755a8)
Error in <TArrayF::At>: index 545576 out of bounds (size: 544960, this: 0x9c755a8)
Error in <TArrayF::At>: index 545707 out of bounds (size: 544960, this: 0x9c755a8)
```

but I don't think it is something to be warned. It can happen, for some events. The simulation macro runs, and skips that event. The index is too high compared to the limit fixed in the tool. Just see how many times it happens in your simulation. I have got this message 5/5000 simulated events.

Elisabetta

Subject: Re: EvtGenDirect, error while simulation: Error in <TArrayF::At>: index 548722 out of bounds

Posted by [Simone Esch](#) on Tue, 20 Aug 2013 08:16:35 GMT

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Hello!

I have this message something like 35 times in 10000 events.

Simone

Subject: Re: EvtGenDirect, error while simulation: Error in <TArrayF::At>: index 548722 out of bounds

Posted by [Stefano Spataro](#) on Tue, 20 Aug 2013 08:23:50 GMT

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Simone Esch wrote on Tue, 20 August 2013 09:28 Should I be concerned?

No, you should not.

This is a field warning once the index is outside the boundaries of the field grid. It is safe.

Subject: Re: EvtGenDirect, error while simulation: Error in <TArrayF::At>: index

548722 out of bounds

Posted by [Simone Esch](#) on Tue, 20 Aug 2013 11:12:52 GMT

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Thank you!!
