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Subject: [WONTBEFIXED] Problem in simulating 100000 particles

Posted by [Shyam Kumar](#) on Mon, 23 Sep 2013 08:07:17 GMT

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Hi,

I am using the box generator for simulating the particles In one macro I have taken nEvents =50000 after running it terminates at around 10000 and in one lakh events(nEvents =100000) macro it terminates around 26000 Please tell me why this is happening and how can I generate 1 lakh events.

I am showing the output for 100000 events for middle and for last

```
**** GTRIGI: IEVENT= 26431 IDEVT= 26431 Random Seeds = 1733690142      0
[INFO ] FairPrimaryGenerator: (Event 26431) 5 primary tracks from vertex (0.000000,
0.000000, 0.000000 ) with beam gradient (0.000000, 0.000000) Event Time = 265938.772715
(ns)
Error in <TArrayF::At>: index 548533 out of bounds (size: 544960, this: 0x33702c0)
Error in <TArrayF::At>: index 548664 out of bounds (size: 544960, this: 0x33702c0)
Error in <TArrayF::At>: index 548534 out of bounds (size: 544960, this: 0x33702c0)
Error in <TArrayF::At>: index 548665 out of bounds (size: 544960, this: 0x33702c0)
Error in <TArrayF::At>: index 548533 out of bounds (size: 544960, this: 0x33702e0)
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Error in <TArrayF::At>: index 548534 out of bounds (size: 544960, this: 0x33702e0)
Error in <TArrayF::At>: index 548665 out of bounds (size: 544960, this: 0x33702e0)
Error in <TArrayF::At>: index 548533 out of bounds (size: 544960, this: 0x3370300)
Error in <TArrayF::At>: index 548664 out of bounds (size: 544960, this: 0x3370300)
Error in <TArrayF::At>: index 548534 out of bounds (size: 544960, this: 0x3370300)
Error in <TArrayF::At>: index 548665 out of bounds (size: 544960, this: 0x3370300)
POINT EXECUTION *****
**** GTRIGI: IEVENT= 26432 IDEVT= 26432 Random Seeds = 1733690142      0
```

In the last we get this:

```
INFO ] FairPrimaryGenerator: (Event 26680) 5 primary tracks from vertex (0.000000,
0.000000, 0.000000 ) with beam gradient (0.000000, 0.000000) Event Time = 268420.294198
(ns)
POINT EXECUTION *****
**** GTRIGI: IEVENT= 26681 IDEVT= 26681 Random Seeds = 1733690142      0
[INFO ] FairPrimaryGenerator: (Event 2668**** GTRIGI: IEVENT= 26431 IDEVT= 26431
Random Seeds = 1733690142      0
[INFO ] FairPrimaryGenerator: (Event 26431) 5 primary tracks from vertex (0.000000,
0.000000, 0.000000 ) with beam gradient (0.000000, 0.000000) Event Time = 265938.772715
(ns)
Error in <TArrayF::At>: index 548533 out of bounds (size: 544960, this: 0x33702c0)
Error in <TArrayF::At>: index 548664 out of bounds (size: 544960, this: 0x33702c0)
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Error in <TArrayF::At>: index 548534 out of bounds (size: 544960, this: 0x33702e0)
Error in <TArrayF::At>: index 548665 out of bounds (size: 544960, this: 0x33702e0)
Error in <TArrayF::At>: index 548533 out of bounds (size: 544960, this: 0x3370300)
```

Error in <TArrayF::At>: index 548664 out of bounds (size: 544960, this: 0x3370300)

Error in <TArrayF::At>: index 548534 out of bounds (size: 544960, this: 0x3370300)

Error in <TArrayF::At>: index 548665 out of bounds (size: 544960, this: 0x3370300)

POINT EXECUTION \*\*\*\*\*

\*\*\*\* GTRIGI: IEVENT= 26432 IDEVT= 26432 Random Seeds = 1733690142 0

[INFO ] FairPrimaryGenerator: (Event 26680) 5 primary tracks from vertex (0.000000, 0.000000, 0.000000 ) with beam gradient (0.000000, 0.000000) Event Time = 268420.294198 (ns)

POINT EXECUTION \*\*\*\*\*

\*\*\*\* GTRIGI: IEVENT= 26681 IDEVT= 26681 Random Seeds = 1733690142 0

[INFO ] FairPrimaryGenerator: (Event 26681) 5 primary tracks from vertex (0.000000, 0.000000, 0.000000 ) with beam gradient (0.000000, 0.000000) Event Time = 268423.743886 (ns)

POINT EXECUTION \*\*\*\*\*

\*\*\*\* GTRIGI: IEVENT= 26682 IDEVT= 26682 Random Seeds = 1733690142 0

[INFO ] FairPrimaryGenerator: (Event 26682) 5 primary tracks from vertex (0.000000, 0.000000, 0.000000 ) with beam gradient (0.000000, 0.000000) Event Time = 268429.837210 (ns)

kumar@ikp565:/private/kumar/pandaroot/macro/run/shyamana/dedxband> 1) 5 primary tracks from vertex (0.000000, 0.000000, 0.000000 ) with beam gradient (0.000000, 0.000000) Event Time = 268423.743886 (ns)

POINT EXECUTION \*\*\*\*\*

\*\*\*\* GTRIGI: IEVENT= 26682 IDEVT= 26682 Random Seeds = 1733690142 0

[INFO ] FairPrimaryGenerator: (Event 26682) 5 primary tracks from vertex (0.000000, 0.000000, 0.000000 ) with beam gradient (0.000000, 0.000000) Event Time = 268429.837210 (ns)

kumar@ikp565:/private/kumar/pandaroot/macro/run/shyamana/dedxband>