
Subject: Re: MC data productions

Posted by [Radoslaw Karabowicz](#) on Wed, 03 Oct 2007 10:31:36 GMT

[View Forum Message](#) <> [Reply to Message](#)

I checked the STS and MVD and no difference is seen between AUG07 and AUG07_auto at all. AUG07_d64 shows slightly smaller number of points (less than 0.5% difference), but reconstruction works very good for all the three productions.

I have however loaded the files to root and simply did cbmsim->Print().

Part of the printout for AUG07:

```
* .....*
*Br 33 :STSPoint : cbmroot.STS.STSPoint_ *
*Entries : 500 : Total Size= 244881 bytes One basket in memory *
*Baskets : 0 : Basket Size= 32000 bytes Compression= 1.00 *
* .....*
```

and for AUG07_d64:

```
* .....*
*Br 33 :STSPoint : cbmroot.STS.STSPoint_ *
*Entries : 500 : Total Size= 244881 bytes One basket in memory *
*Baskets : 0 : Basket Size= 32000 bytes Compression= 1.00 *
* .....*
```

No difference whatsoever is seen for all of the detectors, EXCEPT.....

.....

.....

.....

.....

(is it next page yet?)

.....

.....

.....

.....

R I C H, where all branches differ significantly,

and for example show for AUG07:

```
* .....*
*Br 54 :RichPoint.fUniqueID : fUniqueID[cbmroot.Rich.RichPoint_] *
*Entries : 500 : Total Size= 31814552 bytes File Size = 202784 *
*Baskets : 500 : Basket Size= 32000 bytes Compression= 156.83 *
* .....*
```

and for AUG07_d64:

```
* .....*
*Br 54 :RichPoint.fUniqueID : fUniqueID[cbmroot.Rich.RichPoint_] *
*Entries : 500 : Total Size= 7168952 bytes File Size = 67954 *
*Baskets : 277 : Basket Size= 32000 bytes Compression= 105.18 *
* .....*
```

I don't know what the difference might be, as I am not the expert.
All the branches however show decrease of Total Size by about 70%.