DWC Processor

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- Add beam track information from DWC in the lcio
- Uses BIF collection: Execute after the event builder

▶ Also reads raw files: BIFraw, AHCALraw and DWCroot

DWC Tree Writer

- New engine "DwcWriteEngine" available for writing down the track
- nTrack: number of tracks (basically 1)
- Segment: x and y segments [mm]
- Slope: x and y slopes [mm]
 - ▶ -999 if no track reconstructed
- Track is as:
- x = slopeX * z + segmentX
- y = slopeY * z + segmentY

```
42 :dwc nTrack : dwc nTrack/I
                                                                      11835 *
            182302 : Total Size=
                                      732222 bytes File Size =
                27 : Basket Size=
                                       82432 bytes Compression= 61.80
*Baskets:
     43 :dwc_segmentX : dwc_segmentX[dwc_nTrack]/F
            182302 : Total Size=
                                     1459629 bytes
                                                    File Size =
                                                                    875709 *
*Entries :
                                       76800 bytes
*Baskets:
                54 : Basket Size=
                                                    Compression=
                                                                   1.67
     44 :dwc_segmentY : dwc_segmentY[dwc_nTrack]/F
                                                                    875827 *
            182302 : Total Size=
                                     1459629 bytes
                                                    File Size =
*Entries :
                54 : Basket Size=
                                       76800 bytes
                                                    Compression=
*Baskets:
                                                                   1.66
     45 :dwc_slopeX : dwc_slopeX[dwc_nTrack]/F
*Entries:
            182302 : Total Size=
                                     1459513 bytes
                                                    File Size =
                                                                     879726 *
                                       76800 bytes
*Baskets:
                54 : Basket Size=
                                                    Compression=
                                                                   1.66
     46 :dwc slopeY : dwc slopeY[dwc nTrack]/F
            182302 : Total Size=
                                     1459513 bytes
                                                    File Size =
                                                                     873438 *
*Entries:
                                       76800 bytes
                54 : Basket Size=
                                                    Compression=
*Baskets:
                                                                   1.67
```

Stash

▶ I have made pull requests, it will be available in stash, feature/TokyoWorkshop

