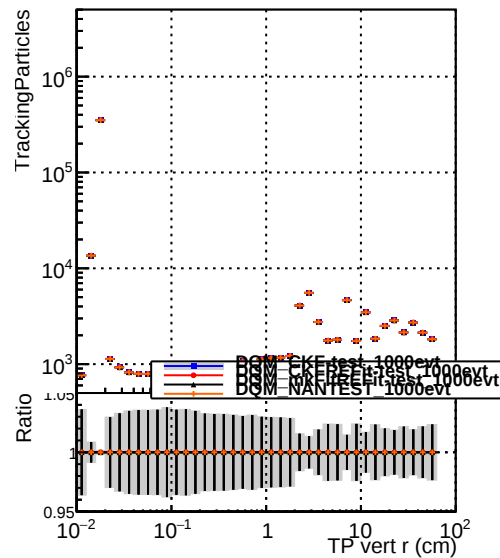
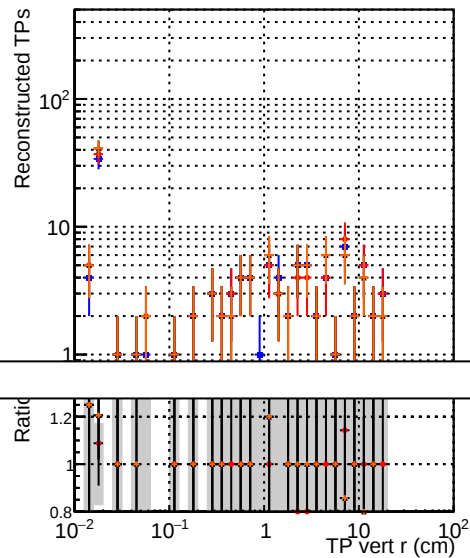


### N of simulated tracks vs transverse vert position



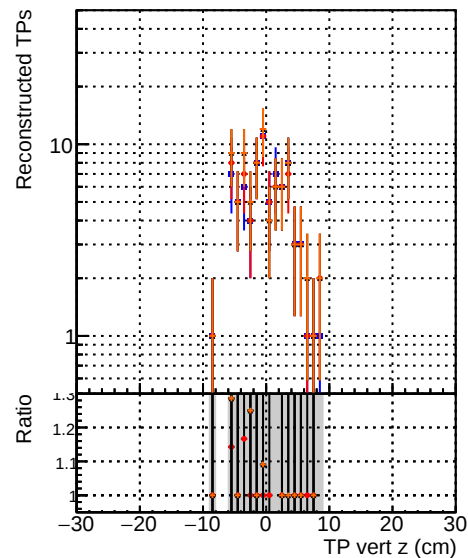
N of associated tracks (simToReco) vs transverse vert position



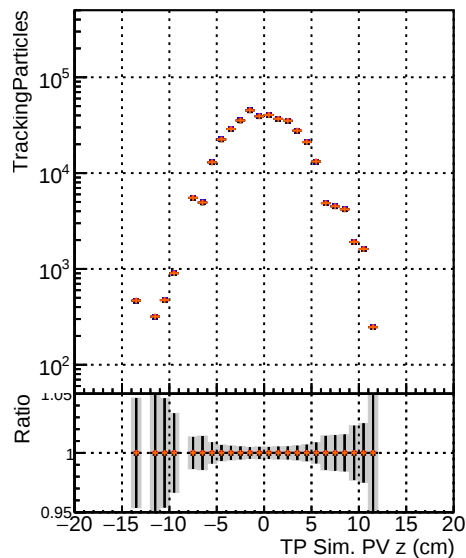
### N of simulated tracks vs z vert position



N of associated tracks (simToReco) vs z vert position



### N of simulated tracks vs. sim PV z



| N of associated tracks (simToReco) vs. sim PV z |   |
|-------------------------------------------------|---|
| 0                                               | 1 |
| 1                                               | 1 |
| 2                                               | 1 |
| 3                                               | 1 |
| 4                                               | 1 |
| 5                                               | 1 |
| 6                                               | 1 |
| 7                                               | 1 |
| 8                                               | 1 |
| 9                                               | 1 |
| 10                                              | 1 |
| 11                                              | 1 |
| 12                                              | 1 |
| 13                                              | 1 |
| 14                                              | 1 |
| 15                                              | 1 |
| 16                                              | 1 |
| 17                                              | 1 |
| 18                                              | 1 |
| 19                                              | 1 |
| 20                                              | 1 |
| 21                                              | 1 |
| 22                                              | 1 |
| 23                                              | 1 |
| 24                                              | 1 |
| 25                                              | 1 |
| 26                                              | 1 |
| 27                                              | 1 |
| 28                                              | 1 |
| 29                                              | 1 |
| 30                                              | 1 |
| 31                                              | 1 |
| 32                                              | 1 |
| 33                                              | 1 |
| 34                                              | 1 |
| 35                                              | 1 |
| 36                                              | 1 |
| 37                                              | 1 |
| 38                                              | 1 |
| 39                                              | 1 |
| 40                                              | 1 |
| 41                                              | 1 |
| 42                                              | 1 |
| 43                                              | 1 |
| 44                                              | 1 |
| 45                                              | 1 |
| 46                                              | 1 |
| 47                                              | 1 |
| 48                                              | 1 |
| 49                                              | 1 |
| 50                                              | 1 |
| 51                                              | 1 |
| 52                                              | 1 |
| 53                                              | 1 |
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| 56                                              | 1 |
| 57                                              | 1 |
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| 59                                              | 1 |
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| 64                                              | 1 |
| 65                                              | 1 |
| 66                                              | 1 |
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| 68                                              | 1 |
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| 70                                              | 1 |
| 71                                              | 1 |
| 72                                              | 1 |
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| 74                                              | 1 |
| 75                                              | 1 |
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| 77                                              | 1 |
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| 81                                              | 1 |
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| 83                                              | 1 |
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| 90                                              | 1 |
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| 92                                              | 1 |
| 93                                              | 1 |
| 94                                              | 1 |
| 95                                              | 1 |
| 96                                              | 1 |
| 97                                              | 1 |
| 98                                              | 1 |
| 99                                              | 1 |

