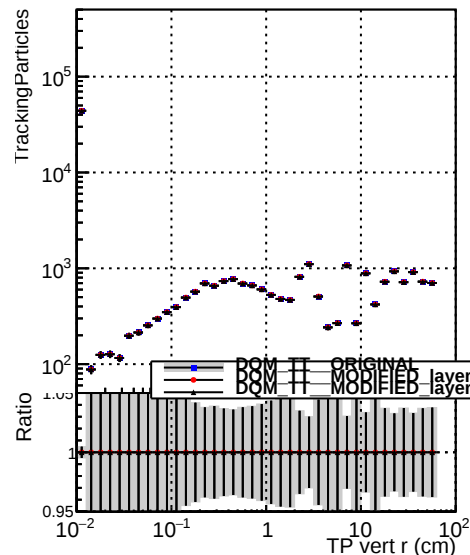
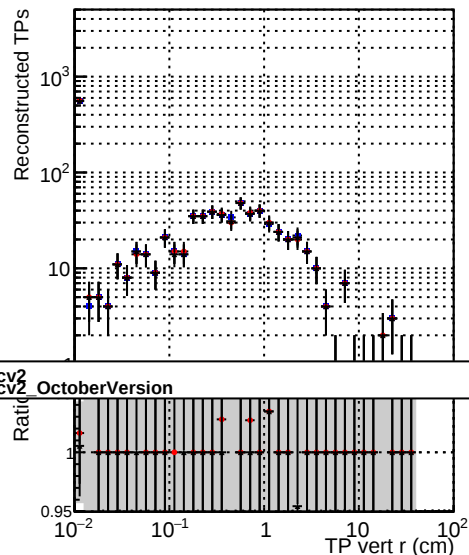


### N of simulated tracks vs transverse vert position



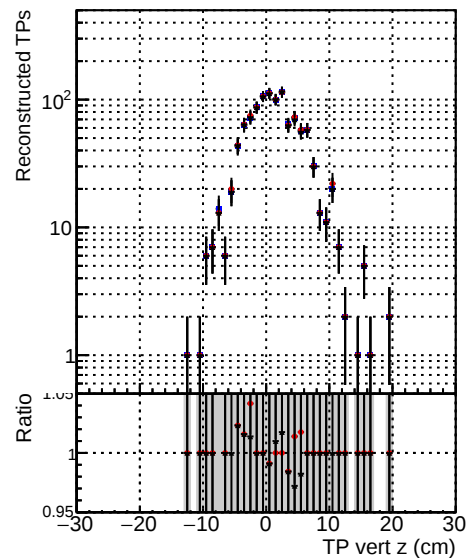
N of associated tracks (simToReco) vs transverse vert position



### 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 |      |
|------------------------------------|------|
| 0                                  | 1000 |
| 1                                  | 1000 |
| 2                                  | 1000 |
| 3                                  | 1000 |
| 4                                  | 1000 |
| 5                                  | 1000 |
| 6                                  | 1000 |
| 7                                  | 1000 |
| 8                                  | 1000 |
| 9                                  | 1000 |
| 10                                 | 1000 |
| 11                                 | 1000 |
| 12                                 | 1000 |
| 13                                 | 1000 |
| 14                                 | 1000 |
| 15                                 | 1000 |
| 16                                 | 1000 |
| 17                                 | 1000 |
| 18                                 | 1000 |
| 19                                 | 1000 |
| 20                                 | 1000 |
| 21                                 | 1000 |
| 22                                 | 1000 |
| 23                                 | 1000 |
| 24                                 | 1000 |
| 25                                 | 1000 |
| 26                                 | 1000 |
| 27                                 | 1000 |
| 28                                 | 1000 |
| 29                                 | 1000 |
| 30                                 | 1000 |
| 31                                 | 1000 |
| 32                                 | 1000 |
| 33                                 | 1000 |
| 34                                 | 1000 |
| 35                                 | 1000 |
| 36                                 | 1000 |
| 37                                 | 1000 |
| 38                                 | 1000 |
| 39                                 | 1000 |
| 40                                 | 1000 |
| 41                                 | 1000 |
| 42                                 | 1000 |
| 43                                 | 1000 |
| 44                                 | 1000 |
| 45                                 | 1000 |
| 46                                 | 1000 |
| 47                                 | 1000 |
| 48                                 | 1000 |
| 49                                 | 1000 |
| 50                                 | 1000 |
| 51                                 | 1000 |
| 52                                 | 1000 |
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| 58                                 | 1000 |
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| 68                                 | 1000 |
| 69                                 | 1000 |
| 70                                 | 1000 |
| 71                                 | 1000 |
| 72                                 | 1000 |
| 73                                 | 1000 |
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| 75                                 | 1000 |
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| 77                                 | 1000 |
| 78                                 | 1000 |
| 79                                 | 1000 |
| 80                                 | 1000 |
| 81                                 | 1000 |
| 82                                 | 1000 |
| 83                                 | 1000 |
| 84                                 | 1000 |
| 85                                 | 1000 |
| 86                                 | 1000 |
| 87                                 | 1000 |
| 88                                 | 1000 |
| 89                                 | 1000 |
| 90                                 | 1000 |
| 91                                 | 1000 |
| 92                                 | 1000 |
| 93                                 | 1000 |
| 94                                 | 1000 |
| 95                                 | 1000 |
| 96                                 | 1000 |
| 97                                 | 1000 |
| 98                                 | 1000 |
| 99                                 | 1000 |
| 100                                | 1000 |



N of associated tracks (simToReco) vs. sim PV z

