

Status of HFT CA track finder

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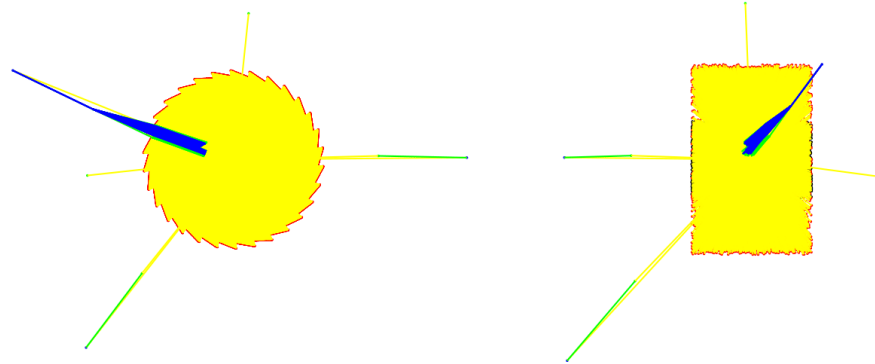
Track searching

1

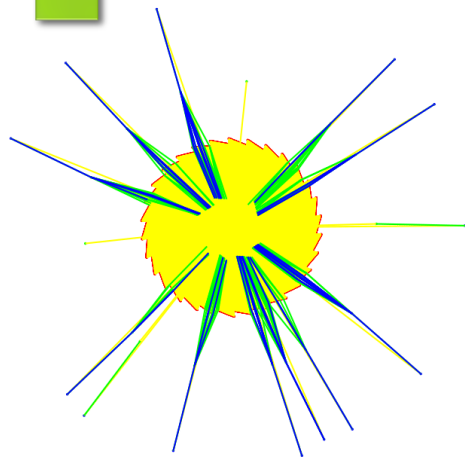
Simplets

Doublets

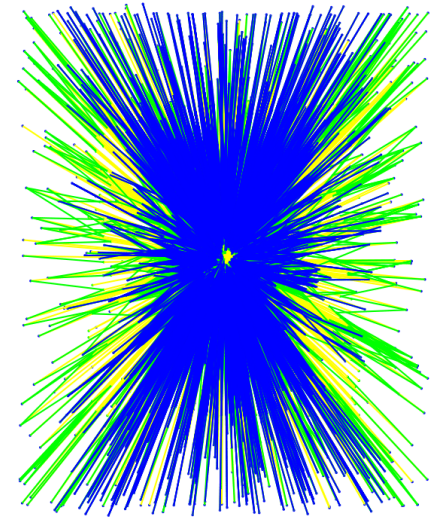
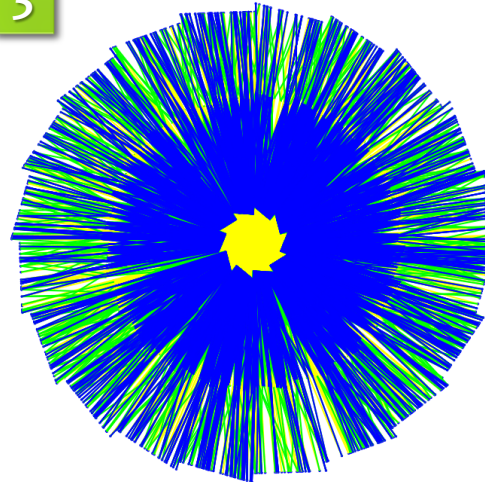
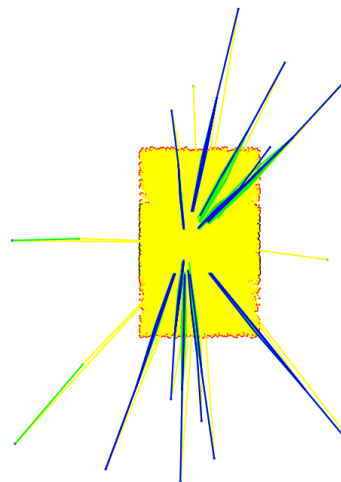
Triplets



2



3



Efficiency (no pileup, 10 events)

| Track category | Old version | New version |
|----------------|-------------------|-------------------|
| High p | 93.0% (227/244) | 94.7% (231/244) |
| Low p | 90.1% (1439/1597) | 88.9% (1420/1597) |
| All | 90.0% (1687/1875) | 89.1% (1671/1875) |
| Ghost | 2.2% (37) | 2.6% (43) |

Efficiency (pileup, 5 events)

| Track category | Efficiency |
|----------------|-----------------|
| High p | 96.1% (49/51) |
| Low p | 89.7% (391/436) |
| All | 88.2% (455/516) |
| Ghost | 30.8% (140) |