

Status of HFT CA track finder

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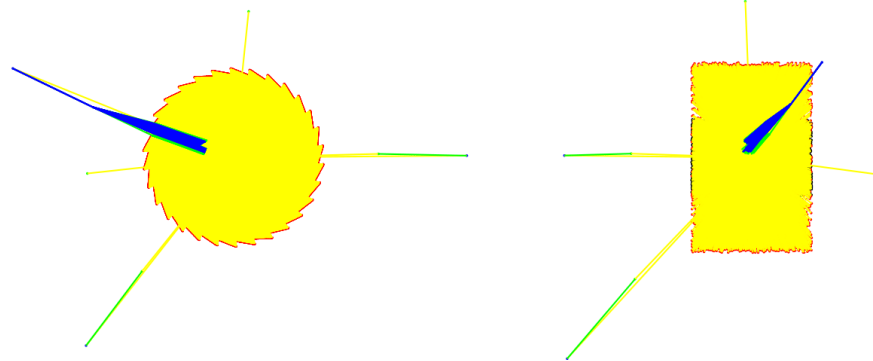
Track searching

1

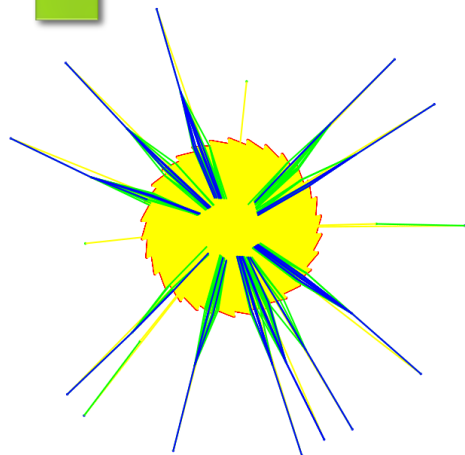
Simplets

Doublets

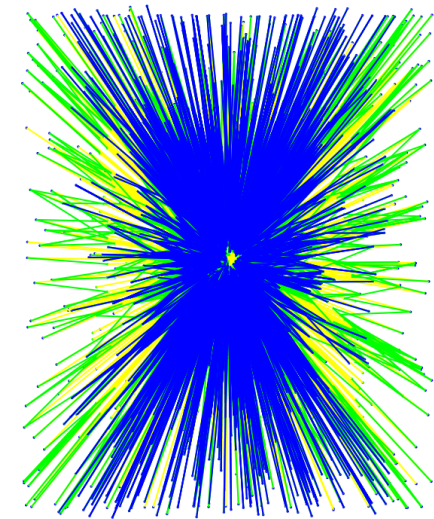
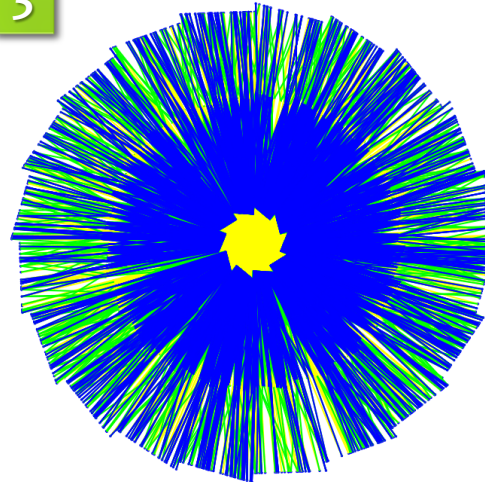
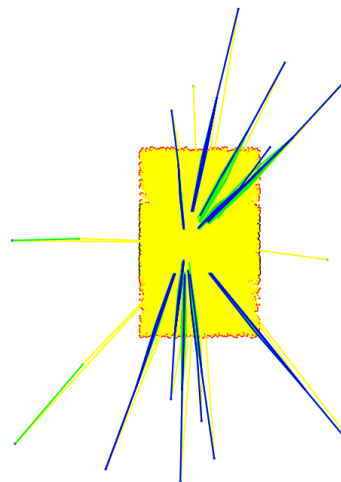
Triplets



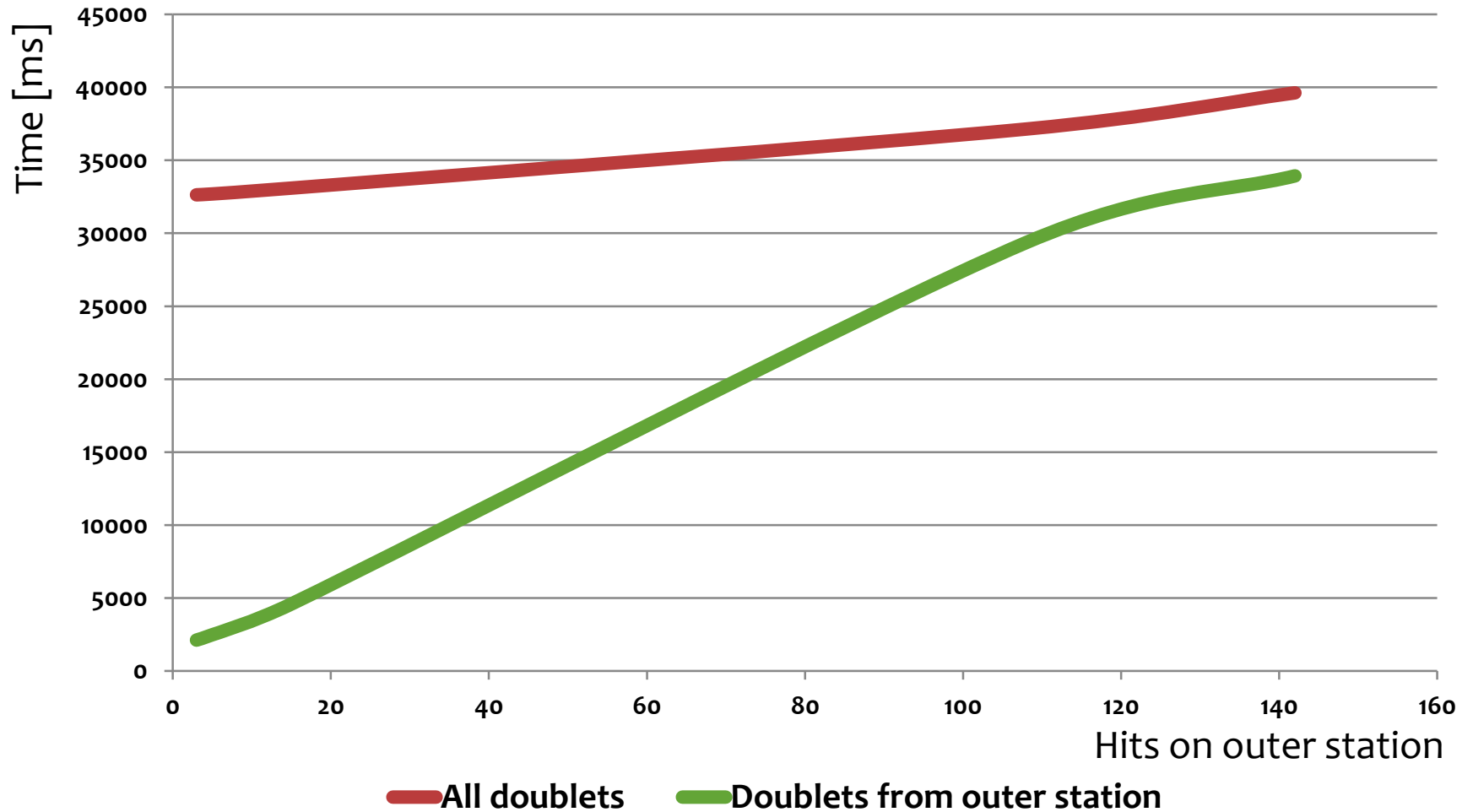
2



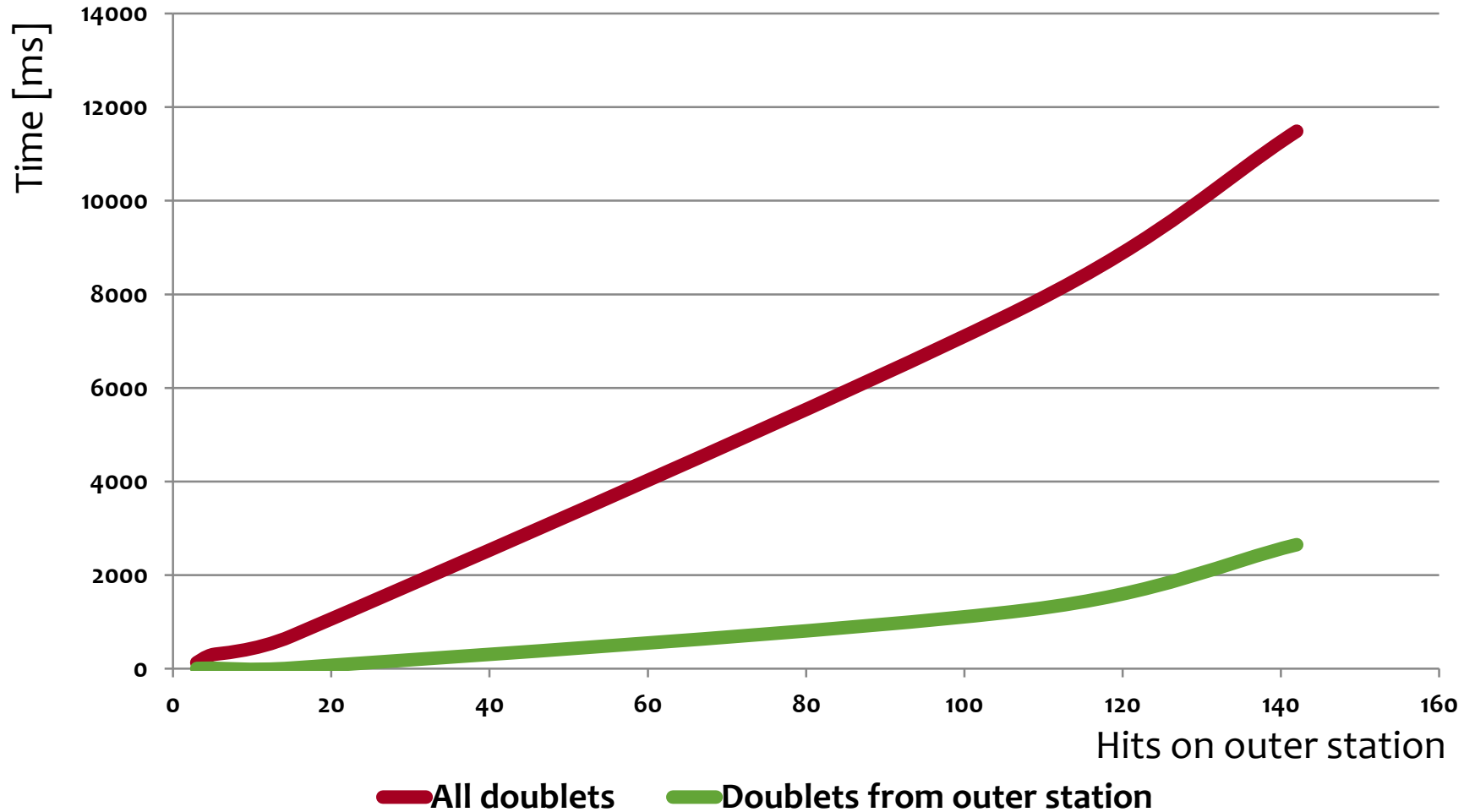
3



Doublets calculation



Triplets calculation



Calculation time

N Hits	Normal calculations (ms)		From outer station (ms)	
	<i>Doublets</i>	<i>Triplets</i>	<i>Doublets</i>	<i>Triplets</i>
3	32634	129	2115	5
5	32694	300	2481	11
15	33093	700	4588	13
108	37144	7763	29363	1256
142	39623	11486	33931	2650

Speed up of calculations depends on the number of tracks in event (number of hits on the last station).