# The Nuon Model in TDataFrame (II)

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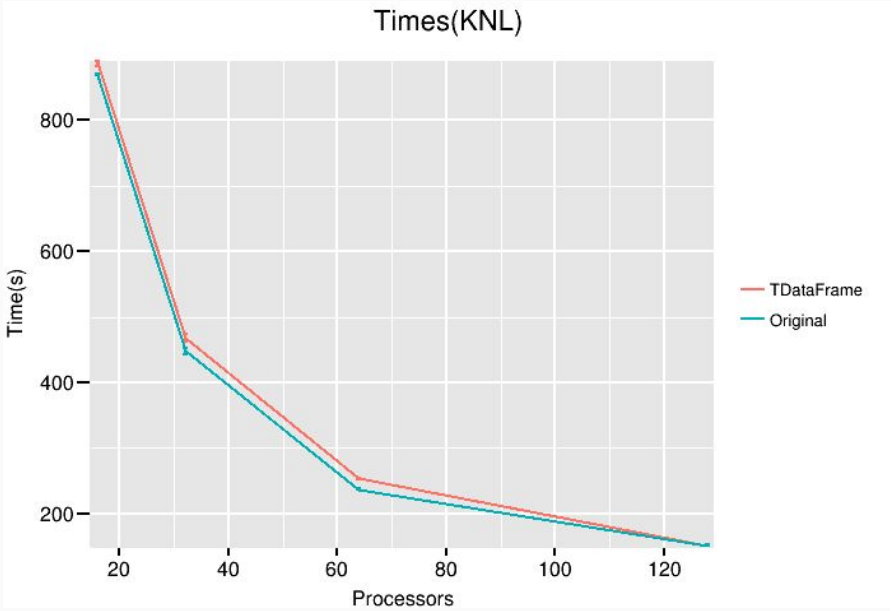
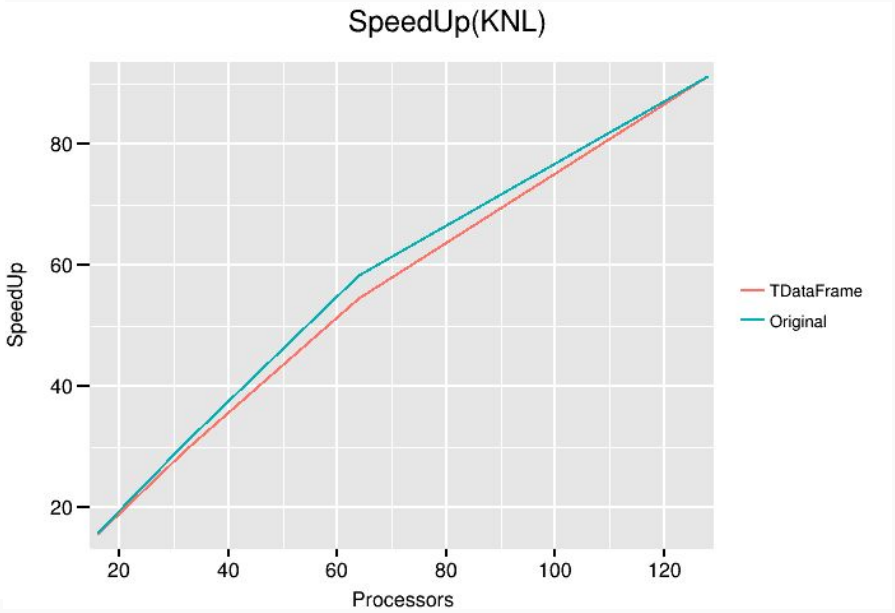
ROOT

Data Analysis Framework

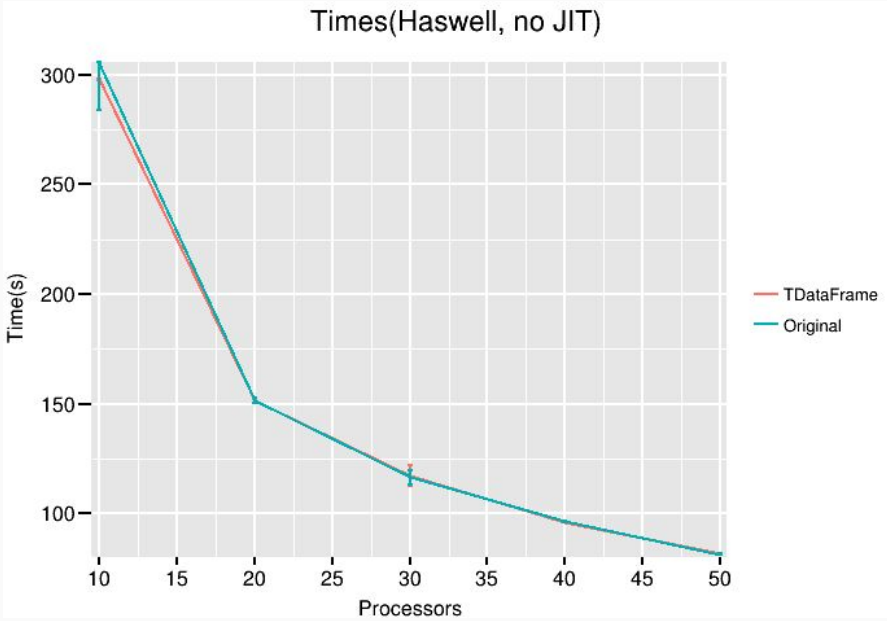
https://root.cern

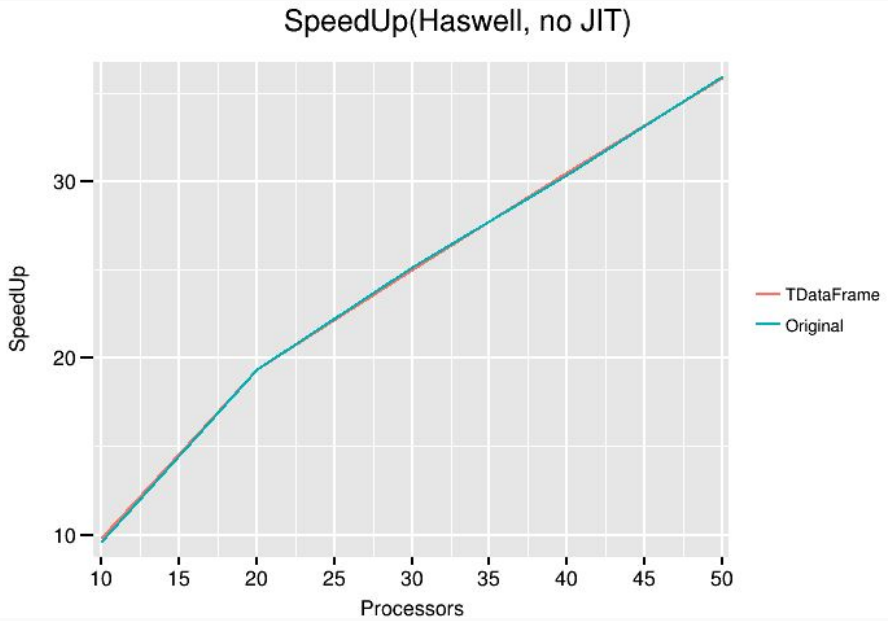
# Better timing (KNL)



# Better timing (Xeon)



# Timing one event

| Time per event executing 3000 events | | |
|---|---|---|
| | TDataFrame | Original |
| Desktop | 0.0051 | 0.0046 |
| Xeon | 0.0094 | 0.00834 |
| Xeon Phi | 0.043 | 0.038 |

| Time per event executing 1 event | | |
|---|---|---|
| | TDataFrame | Original |
| Desktop | 1.923 | 1.00154 |
| Xeon | 3.59735 | 1.0017 |
| Xeon Phi | 14.9339 | 1.00366 |

# Things left to check

1. Profiling.
2. Time writing against generation
3. Jitted-not jitted histograms (depends on 2)
4. Reduce the grain of the problem to improve balancing (If 1. shows unbalance, depends on 2)