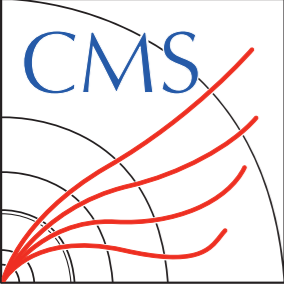


# MG4GPU STATUS

---

FOR CMS-MG JOINT MEETING

24.08.13



# CONTENTS

---

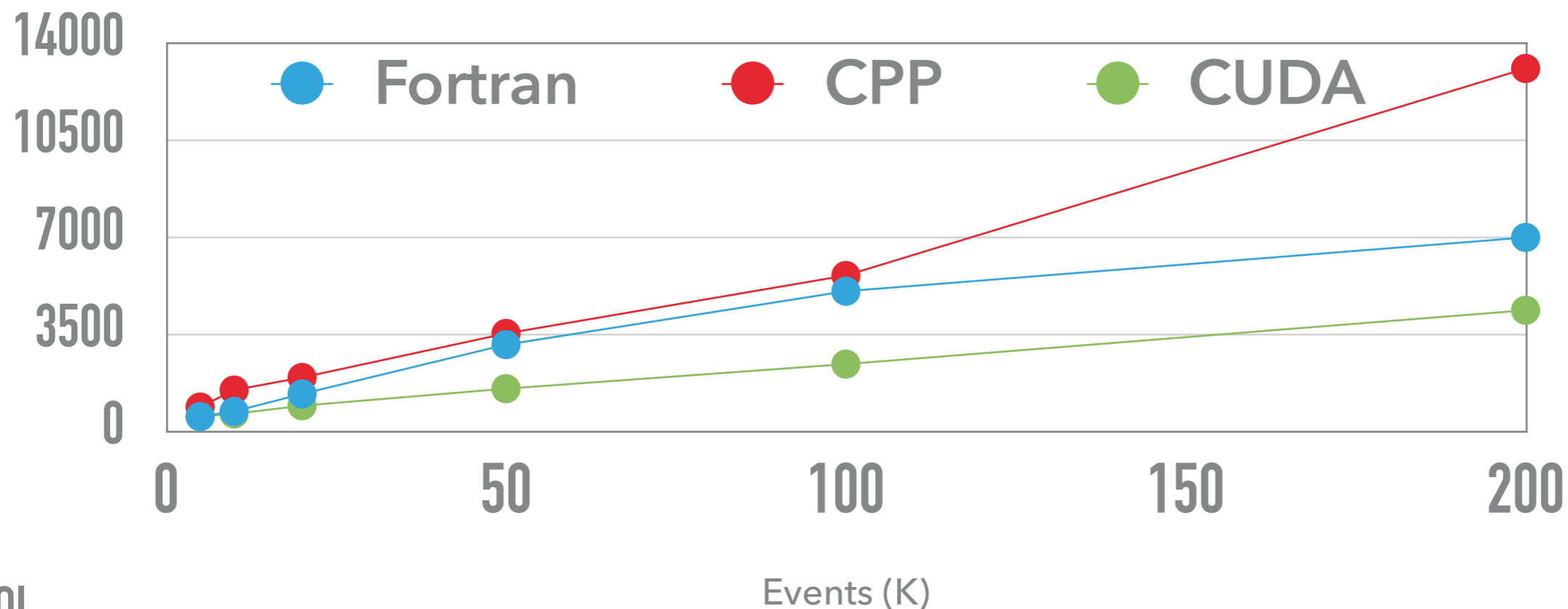


- ❖ **Event Generation Timing**
- ❖ **Status of Gridpack Generation**

# EVENT GENERATION

From Old Gridpack

DY2j	5K	10K	20K	50K	100K	200K
<b>FORTRAN</b>	524s	712s	1341s	3118s	5042s	6979s
<b>CPP</b>	867s	1480s	1933s	3520s	5609s	13068s
<b>CUDA</b>	527s	624s	917s	1530s	2416s	4355s

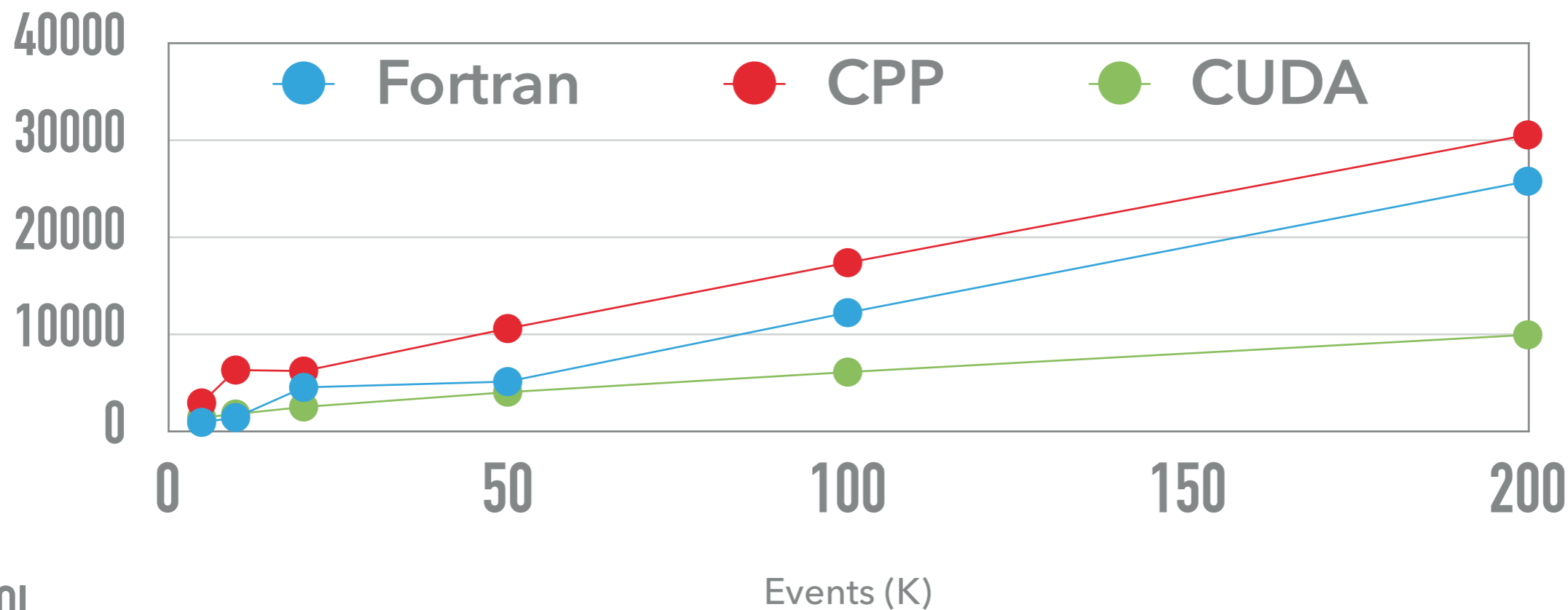


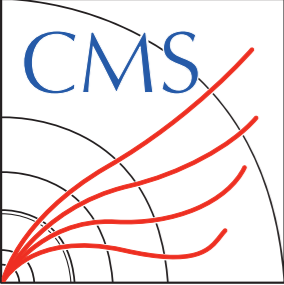


# EVENT GENERATION

From Old Gridpack

DY3j	5K	10K	20K	50K	100K	200K
<b>FORTRAN</b>	873s	1367s	4475s	5073s	12175s	25717s
<b>CPP</b>	2874s	6262s	6158s	10538s	17322s	30489s
<b>CUDA</b>	1358s	1730s	2459s	3983s	6052s	9891s

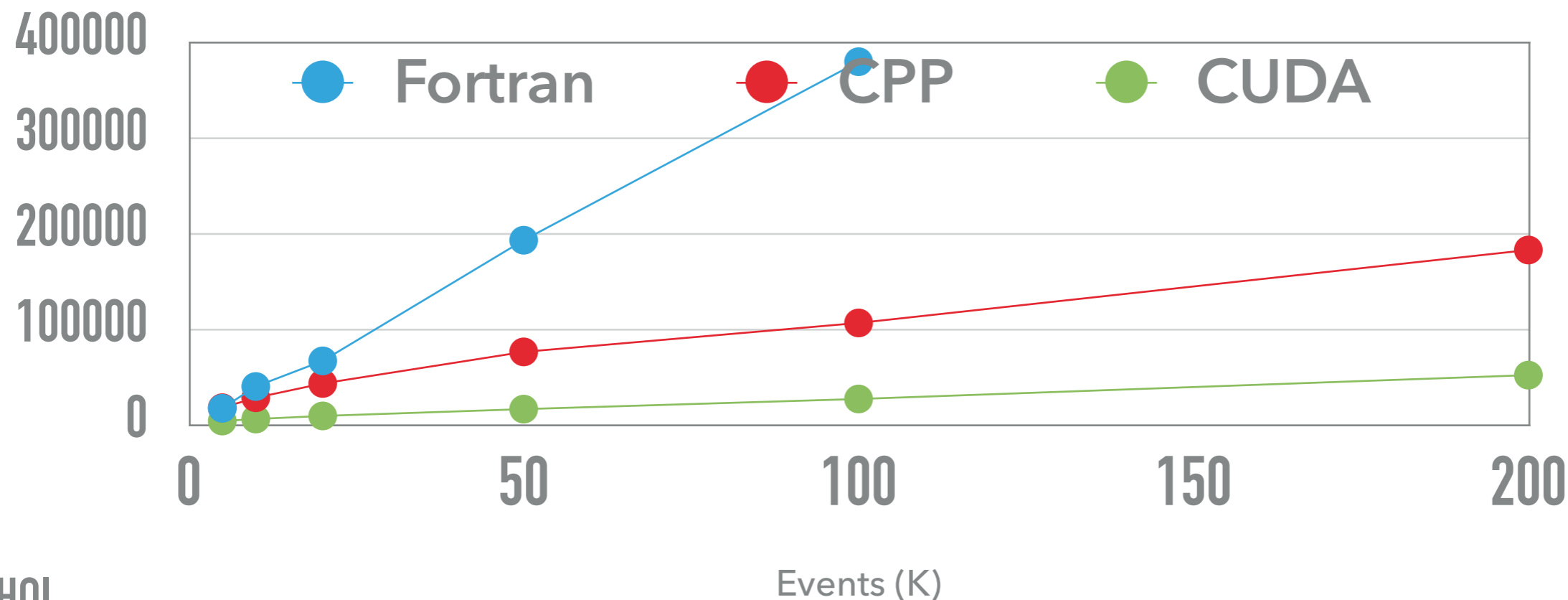


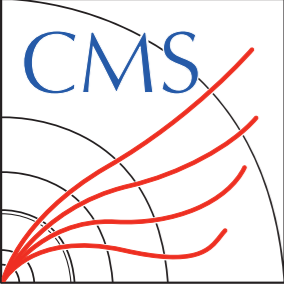


# EVENT GENERATION

From Old Gridpack

DY4j	5K	10K	20K	50K	100K	200K
<b>FORTRAN</b>	17230s	39982s	66761s	192859s	379411s	running
<b>CPP</b>	17838s	28258s	43161s	76161s	106410s	182644s
<b>CUDA</b>	3929s	6004s	9244s	16360s	26949s	51875s





# PARTIAL RESULTS FOR GRIDPACK GENERATION

❖ Renewed version (updated in 24.08.01)

	Fortran	CPP	CUDA
TT0j	8m 57s	-	4m 43s
TT1j	23m 51s	-	6m 55s
TT2j	365m 23s	-	20m 42s
TT3j	-	-	-
TT0123j	-	-	-

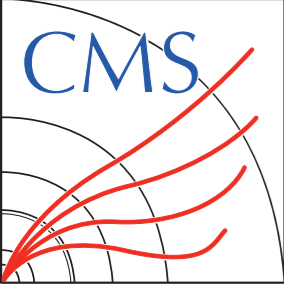
❖ Can see much more improvements than DY processes

❖ Will update with Andrea's PRs - Report if there is any errors exists

❖ Looking forward to further improvements!

Compilation Error  
Sorry I will report it after this meeting...





# BACK UP



## ❖ Error for TT+3j / TT+0123j

```
INFO: Idle: 0, Running: 1, Completed: 674 [ 21m 35s ]
INFO: Idle: 0, Running: 0, Completed: 675 [ 21m 49s ]
INFO: Idle: 0, Running: 0, Completed: 675 [ 21m 49s ]
Error when reading /srv/work/genproductions/bin/MadGraph5_aMCatNLO/TT0123j_CKM_LO_5f_CUDA/TT0123j_CKM_LO_5f_CUDA_gridpack/work/processtmp/SubProcesses/P3_gg_ttxggg/G1/results.dat
Command "generate_events pilotrun" interrupted with error:
FileNotFoundError : [Errno 2] No such file or directory: '/srv/work/genproductions/bin/MadGraph5_aMCatNLO/TT0123j_CKM_LO_5f_CUDA/TT0123j_CKM_LO_5f_CUDA_gridpack/work/processtmp/SubProcesses/P3_gg_ttxggg/G1/results.dat'
Please report this bug on https://bugs.launchpad.net/mg5amcnlo
More information is found in '/srv/work/genproductions/bin/MadGraph5_aMCatNLO/TT0123j_CKM_LO_5f_CUDA/TT0123j_CKM_LO_5f_CUDA_gridpack/work/processtmp/pilotrun_tag_1_debug.log'.
Please attach this file to your report.
quit
INFO:
finished pilot run
cleaning temporary output
mv: cannot stat '/srv/work/genproductions/bin/MadGraph5_aMCatNLO/TT0123j_CKM_LO_5f_CUDA/TT0123j_CKM_LO_5f_CUDA_gridpack/work/processtmp/pilotrun_gridpack.tar.gz': No such file or directory
unpacking temporary gridpack
tar (child): /srv/work/genproductions/bin/MadGraph5_aMCatNLO/TT0123j_CKM_LO_5f_CUDA/TT0123j_CKM_LO_5f_CUDA_gridpack/work/pilotrun_gridpack.tar.gz: Cannot open: No such file or directory
tar (child): Error is not recoverable: exiting now
tar: Child returned status 2
tar: Error is not recoverable: exiting now
cleaning temporary gridpack
rm: cannot remove '/srv/work/genproductions/bin/MadGraph5_aMCatNLO/TT0123j_CKM_LO_5f_CUDA/TT0123j_CKM_LO_5f_CUDA_gridpack/work/pilotrun_gridpack.tar.gz': No such file or directory
./gridpack_generation.sh: line 622: ./run.sh: No such file or directory
mv: cannot stat 'events.lhe.gz': No such file or directory
```