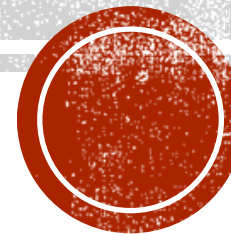


Testing wcpred at IPMU

idark

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idark system status

- PBS queue, singularity not configured to be used in job yet
- As a temporarily workaround
 - Manually install geant4-10.3.3 from geant4 repo, DataTools, wcprod, WCSim from production image
 - Run the production with locally installed software
 - Successfully submitted and finished the whole production job

Bug?

- `wcprod_wrapup_voxel.py`

```
# Step 2: copy to the storage
storage_file = os.path.join(storage,out_file)
if os.path.isfile(storage_file):
    print(f"ERROR: output_file '{out_file}' already is present in the storage!")
    print(f"    {storage_file}")
    sys.exit(ERROR_STORAGE_ALREADY_PRESENT) # this makes file not registered

shutil.copy2(out_file,storage_file)

# Step 3: check the file in the storage
if not os.path.isfile(storage_file):
    print(f"ERROR: storage file {storage_file} does not exist.")
    sys.exit(ERROR_STORAGE_NOT_PRESENT)

# Step 4: log to the database
db.register_file(project,config_id,storage_file,nphotons*nevents_recorded,tstart-time.time())
```

Output

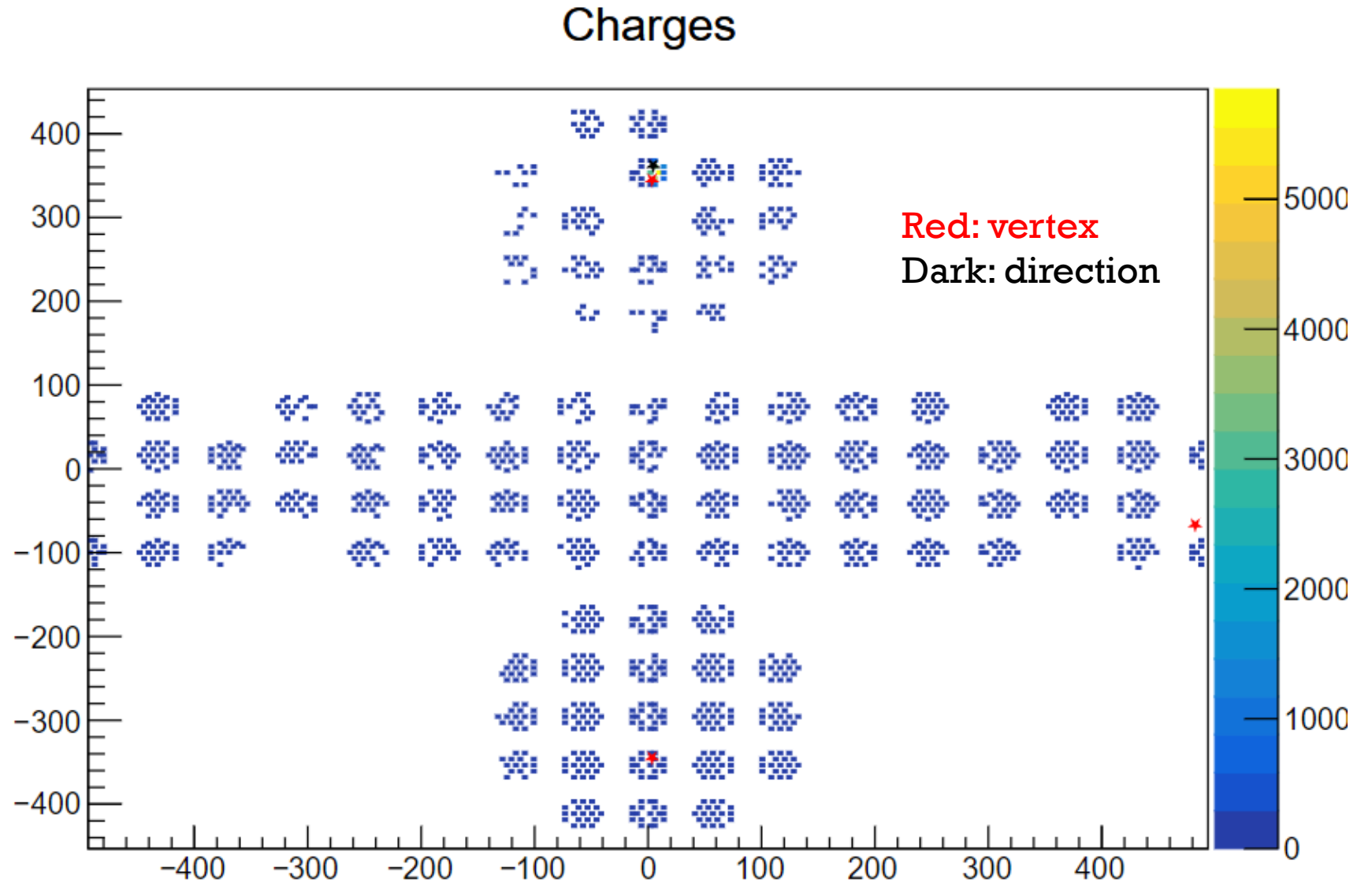
- 50000 photons * 10 events
- Processing time ranges from few tens of seconds to few mins

```
4.5M tier1_003/tier2_878/tier3_000387847/out_first_wcte_posdir_500000_000387847_000.root
6.2M tier1_003/tier2_882/tier3_000388270/out_first_wcte_posdir_500000_000388270_000.root
12M tier1_003/tier2_883/tier3_000388334/out_first_wcte_posdir_500000_000388334_000.root
1.6M tier1_003/tier2_884/tier3_000388486/out_first_wcte_posdir_500000_000388486_000.root
10M tier1_003/tier2_886/tier3_000388636/out_first_wcte_posdir_500000_000388636_000.root
620K tier1_004/tier2_849/tier3_000484978/out_first_wcte_posdir_500000_000484978_000.root
674K tier1_004/tier2_850/tier3_000485042/out_first_wcte_posdir_500000_000485042_000.root
8.2M tier1_004/tier2_852/tier3_000485211/out_first_wcte_posdir_500000_000485211_000.root
2.1M tier1_004/tier2_854/tier3_000485442/out_first_wcte_posdir_500000_000485442_000.root
4.5M tier1_004/tier2_855/tier3_000485549/out_first_wcte_posdir_500000_000485549_000.root
```

```
87K tier1_003/tier2_878/tier3_000387847/raw_first_wcte_posdir_500000_000387847_000.h5
77K tier1_003/tier2_882/tier3_000388270/raw_first_wcte_posdir_500000_000388270_000.h5
78K tier1_003/tier2_883/tier3_000388334/raw_first_wcte_posdir_500000_000388334_000.h5
87K tier1_003/tier2_884/tier3_000388486/raw_first_wcte_posdir_500000_000388486_000.h5
81K tier1_003/tier2_886/tier3_000388636/raw_first_wcte_posdir_500000_000388636_000.h5
72K tier1_004/tier2_849/tier3_000484978/raw_first_wcte_posdir_500000_000484978_000.h5
78K tier1_004/tier2_850/tier3_000485042/raw_first_wcte_posdir_500000_000485042_000.h5
74K tier1_004/tier2_852/tier3_000485211/raw_first_wcte_posdir_500000_000485211_000.h5
92K tier1_004/tier2_854/tier3_000485442/raw_first_wcte_posdir_500000_000485442_000.h5
100K tier1_004/tier2_855/tier3_000485549/raw_first_wcte_posdir_500000_000485549_000.h5
```

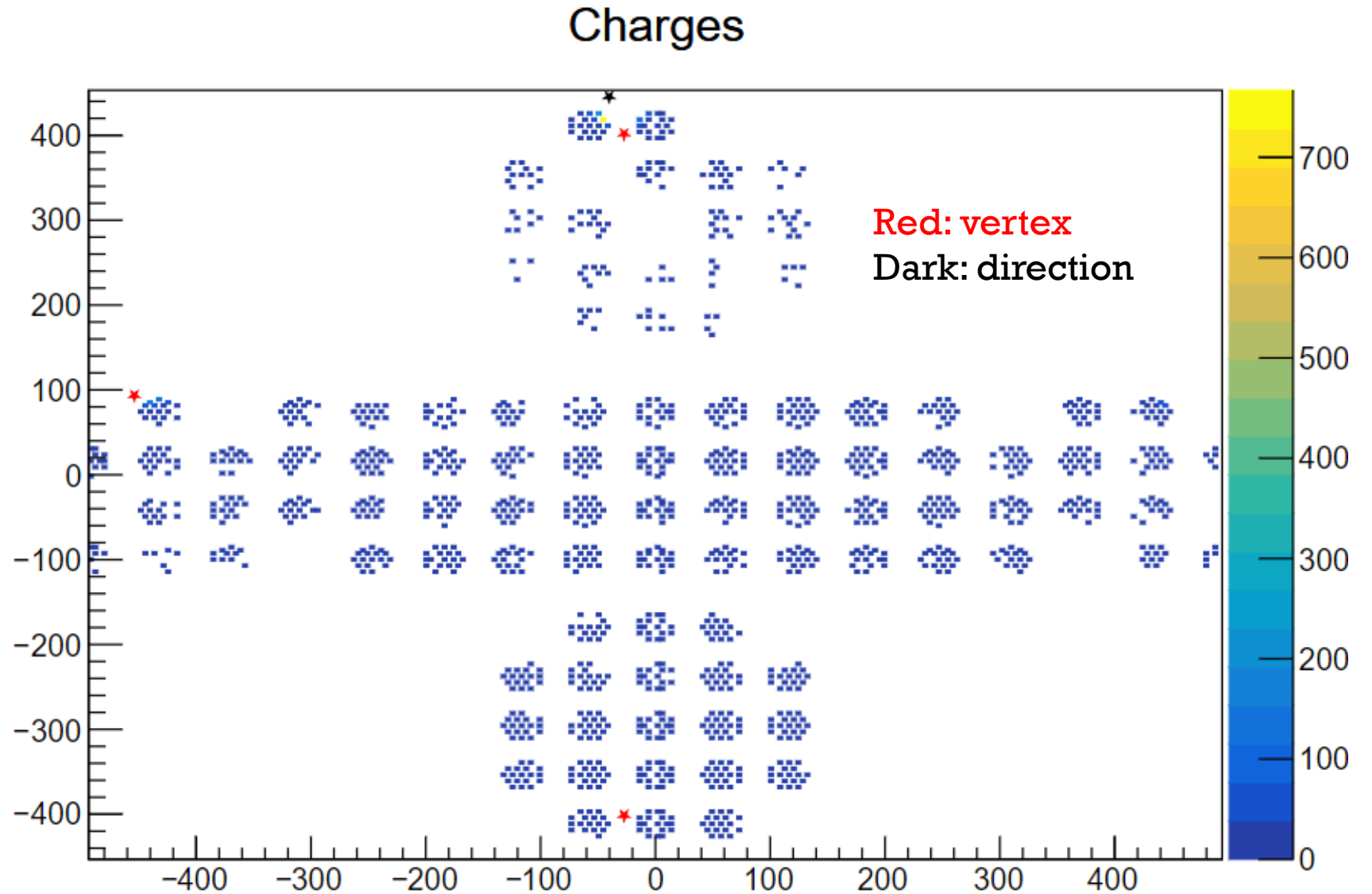
Output

■ ~6.5 mins, 12M



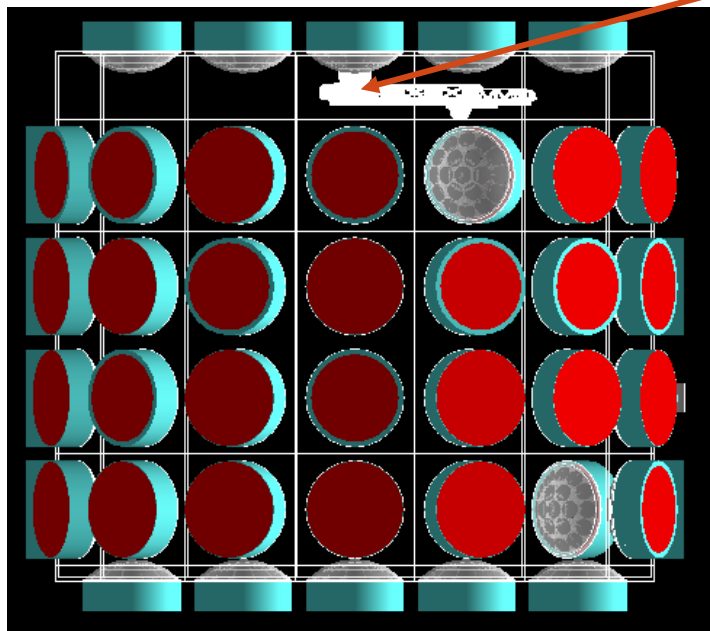
Output

■ ~1 min, 620K



Output

■ ~1 min, 674K



Charges

