

進捗報告

Intt0,2-7 でのModebit スキャンの結果と
INTT Event Display の進捗

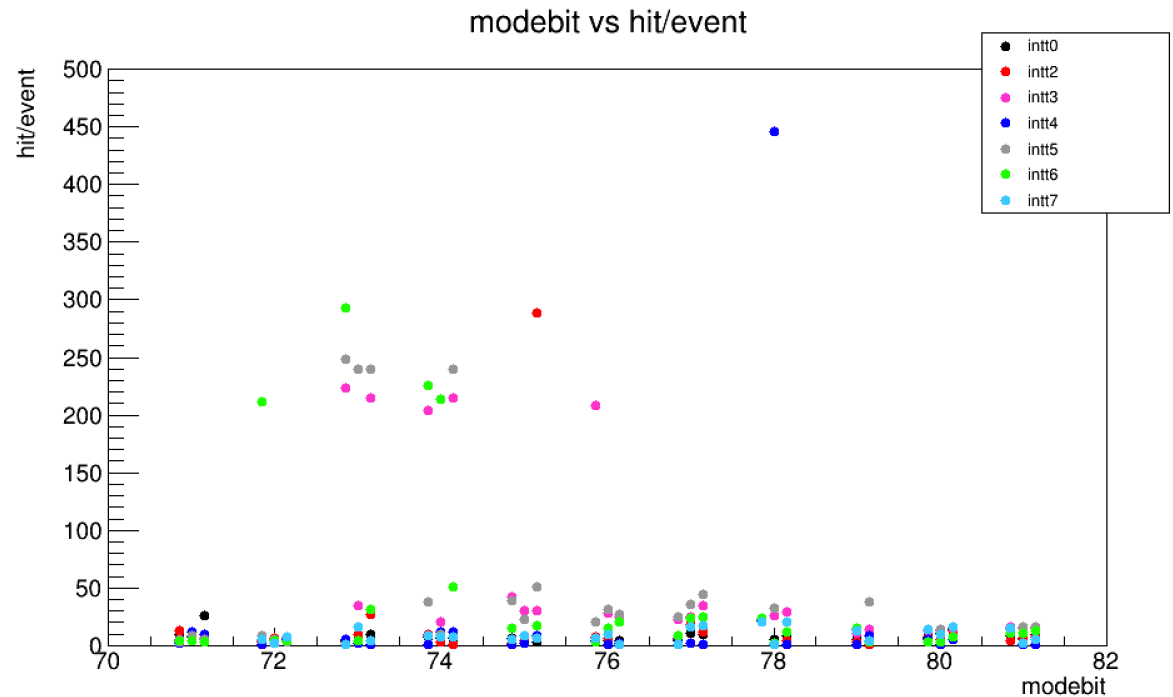
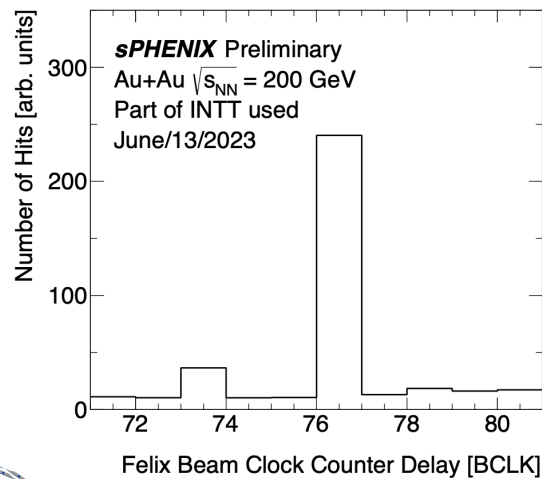
INTT日本語MT

NWU M1 藤原愛実

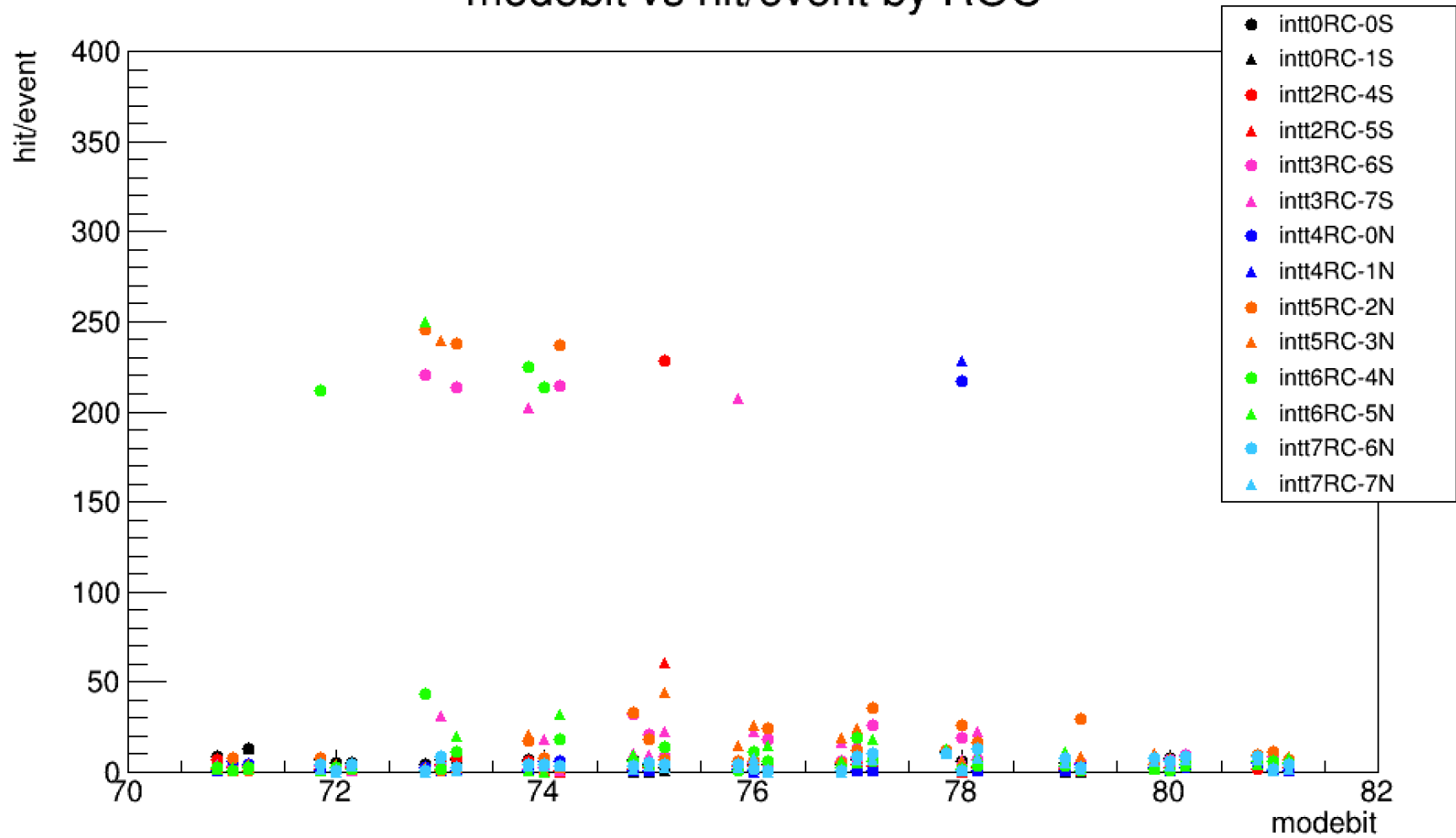
Intt0,2-7でのModebit scan の結果

- 6/17 modebit scan
- Run13091,13094~13108,13110~13127
- $n_{\text{collision}} = 0$

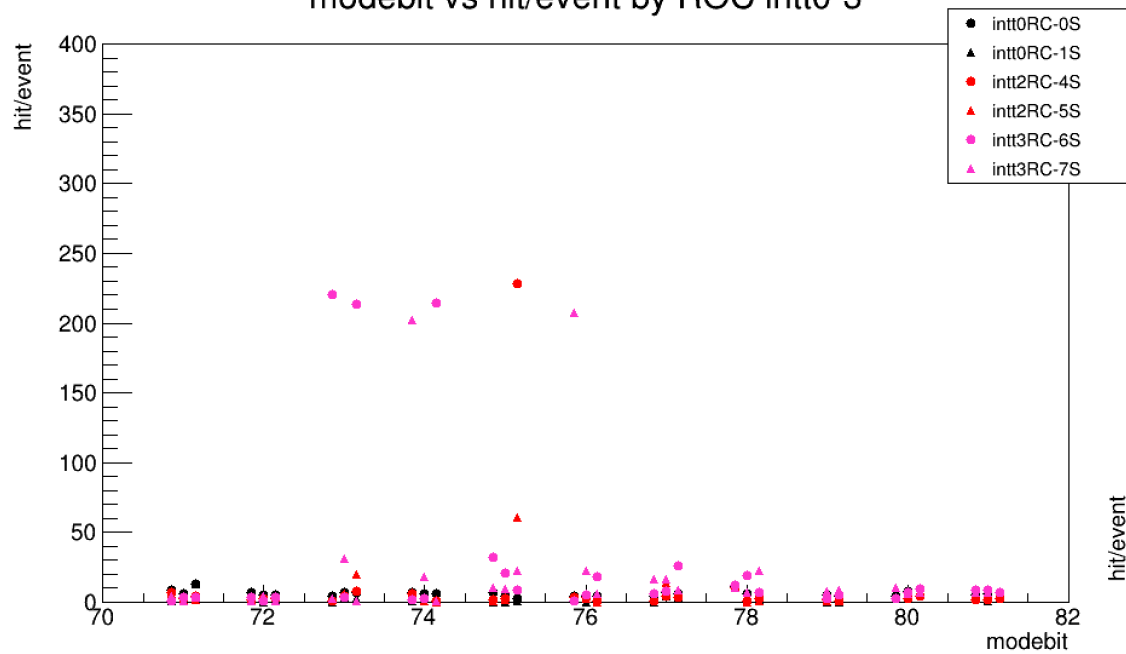
5/30 intt2 でのmodebit scanの結果



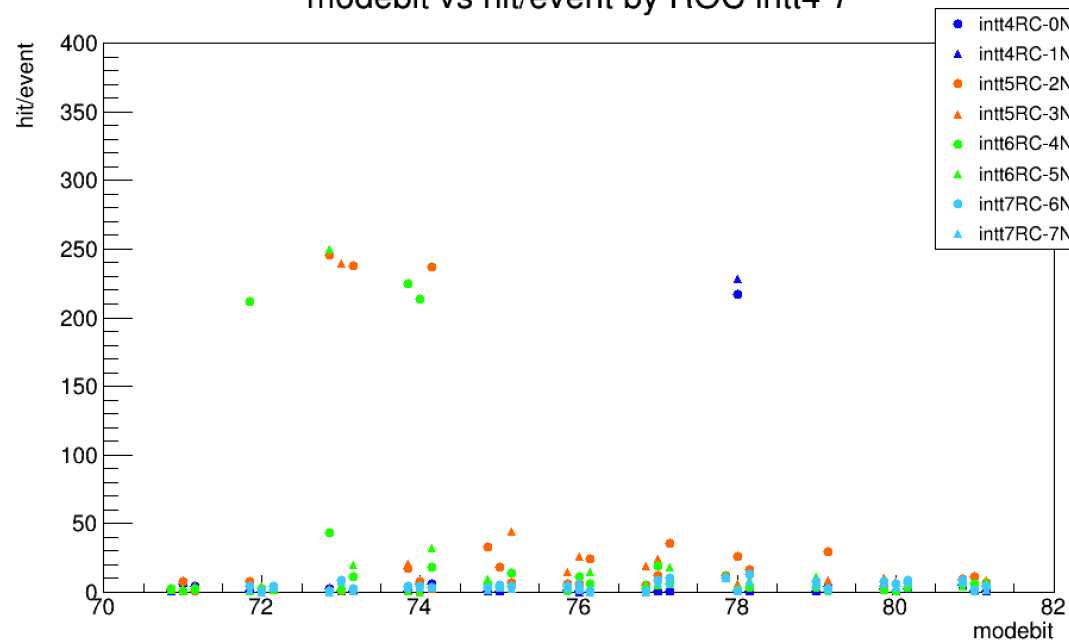
modebit vs hit/event by ROC



modebit vs hit/event by ROC intt0-3

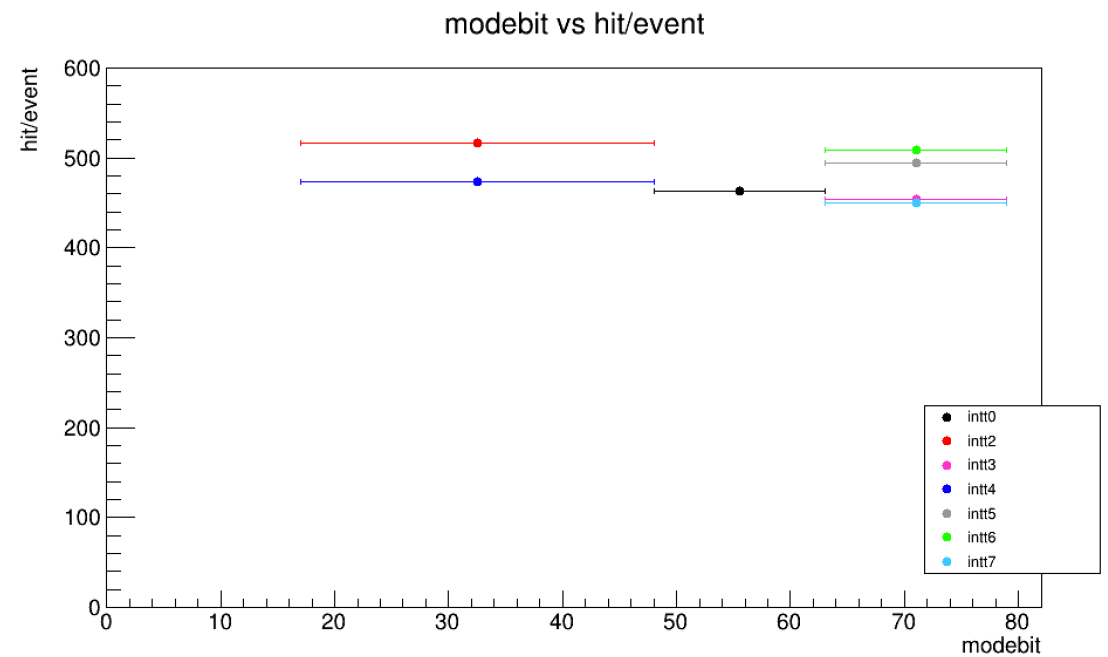


modebit vs hit/event by ROC intt4-7



Timing Scan の結果

- 6/19 Timing scan
- run13393, modebit 48, n collision 31
- run13394 modebit 79, n collision 16
- run13395 modebit 63, n collision 16

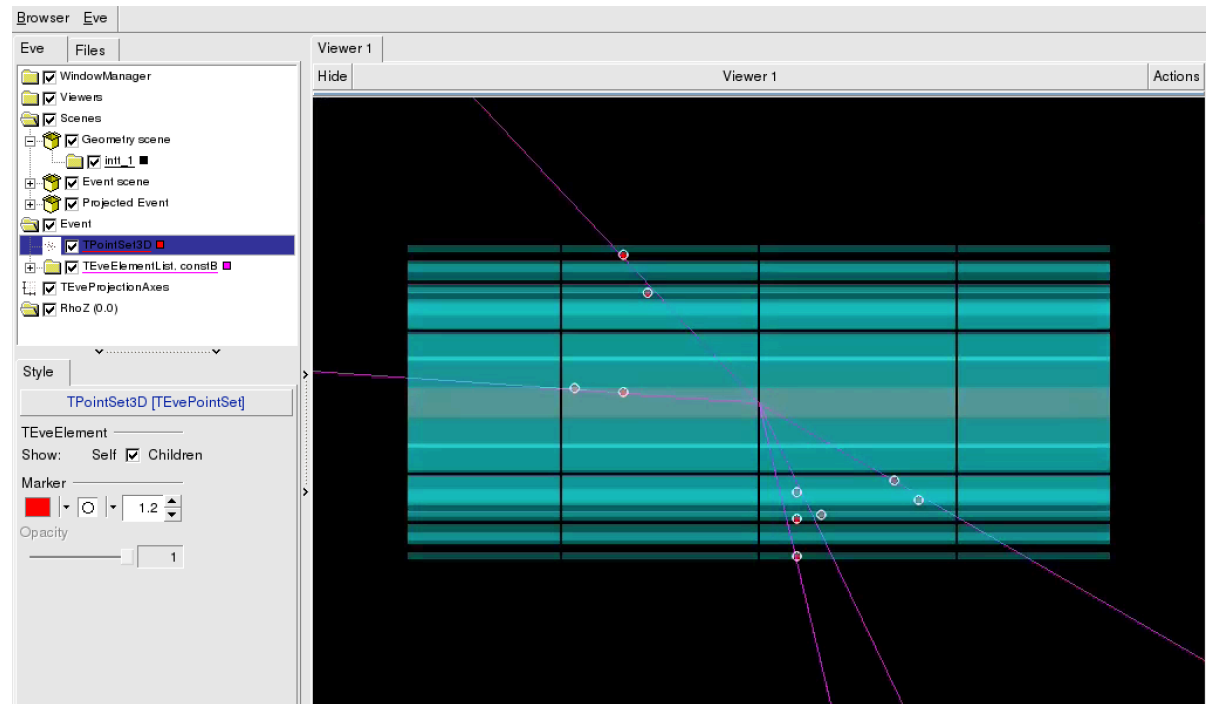


INTT Event Displayに追加された機能

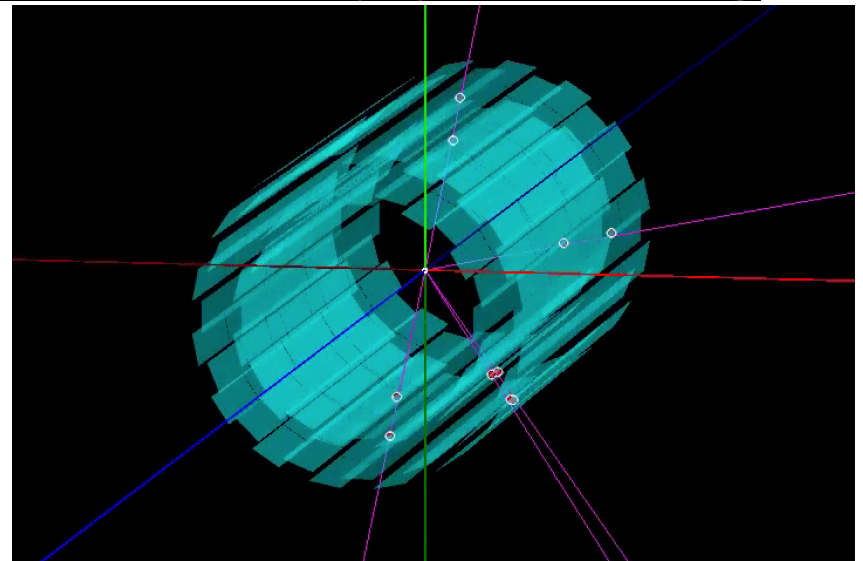
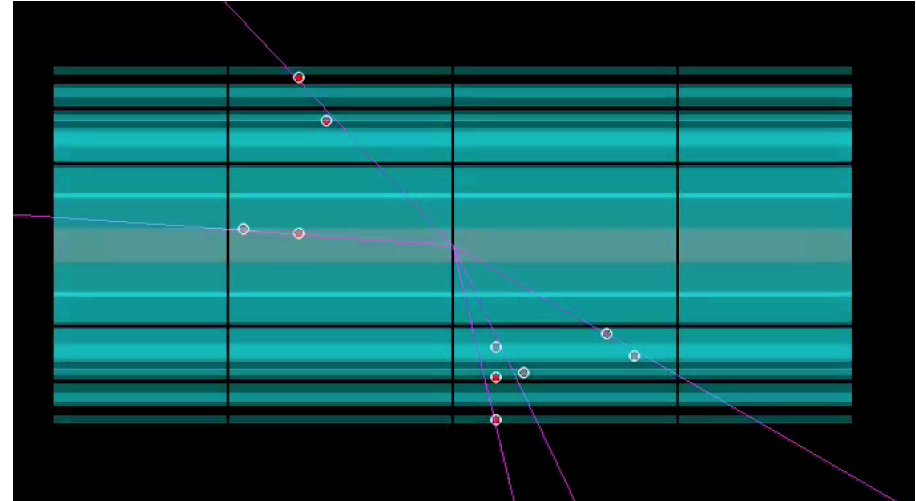
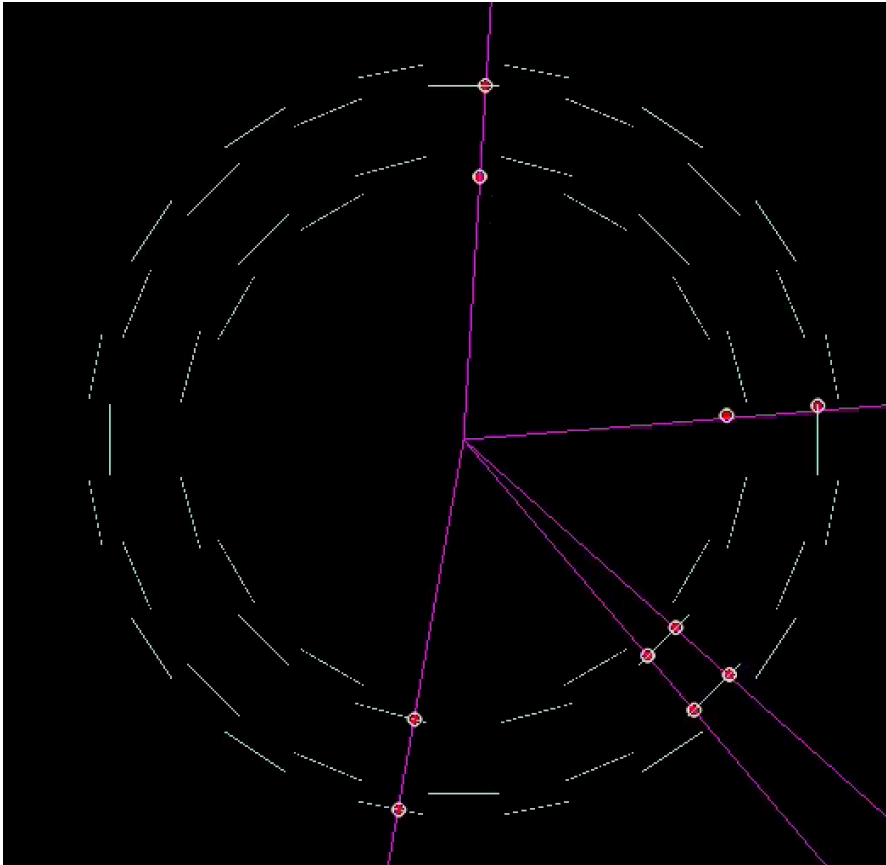
- 磁場0の場合のトラックの表示
- ヒットの表示
- P-zプロジェクション

$\rho - z$ プロジェクションの実装

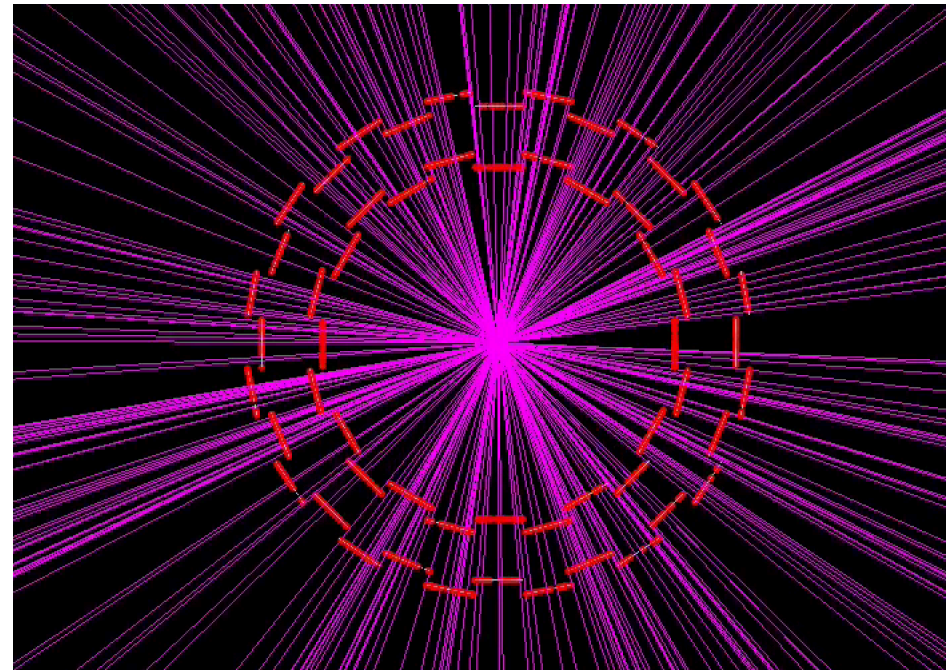
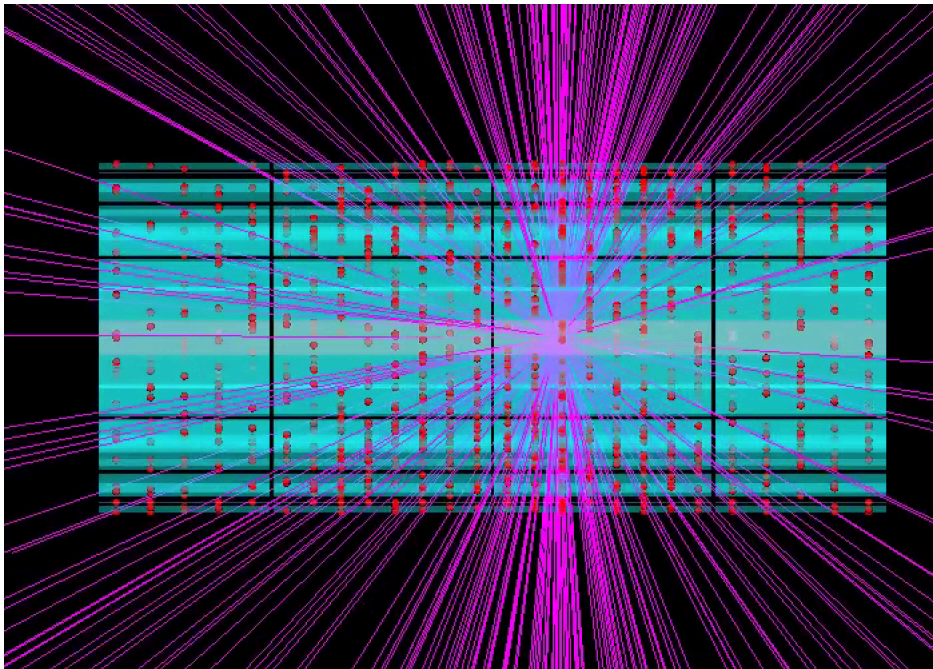
- x軸を圧縮した図を出力できる関数を作った



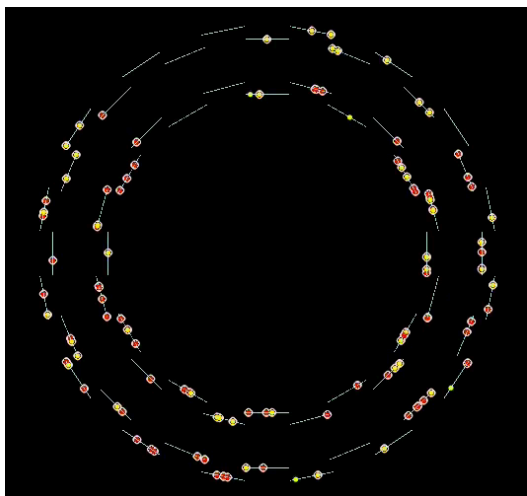
トラックの表示の実装



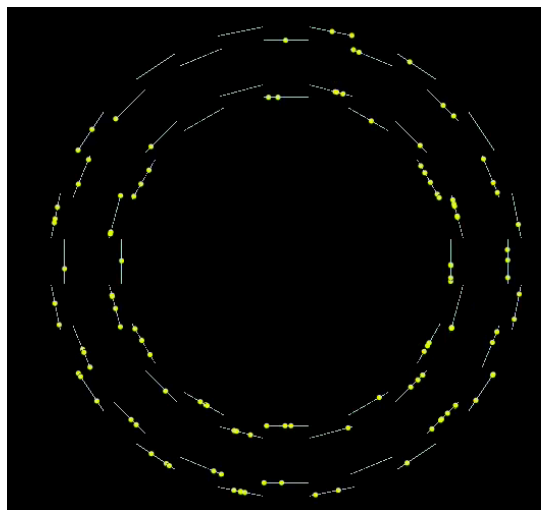
Au Au 衝突のEvent Display



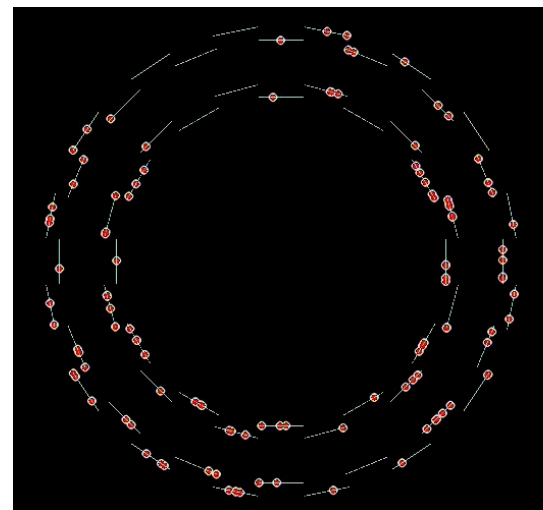
ヒット座標の表示の実装



ヒットとクラスター

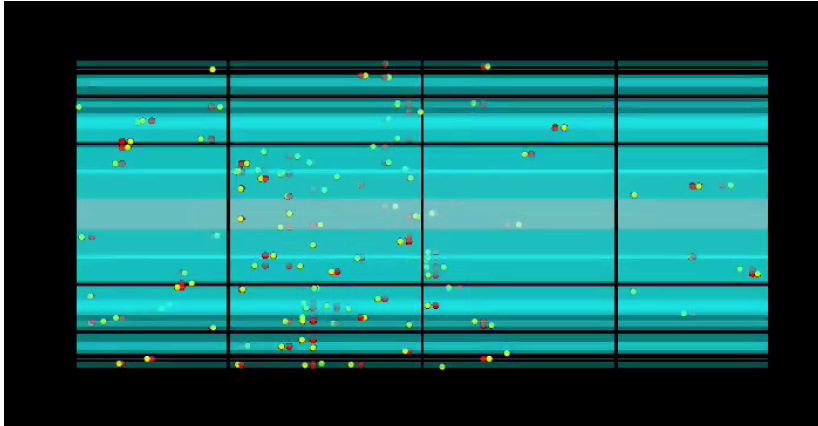


ヒットのみ

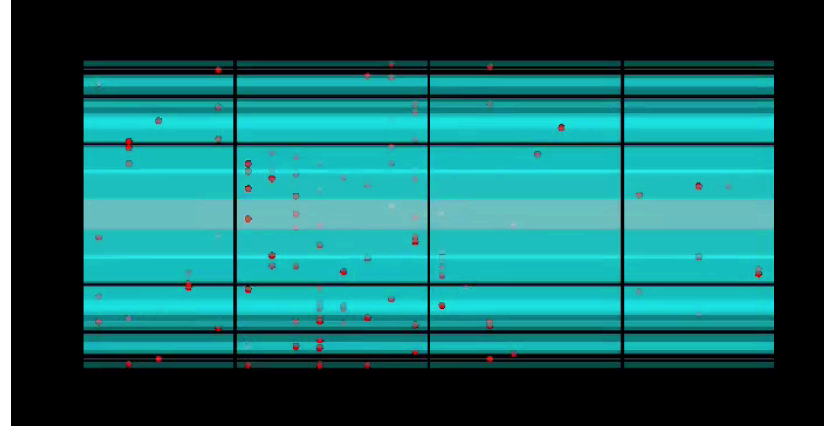


クラスターのみ

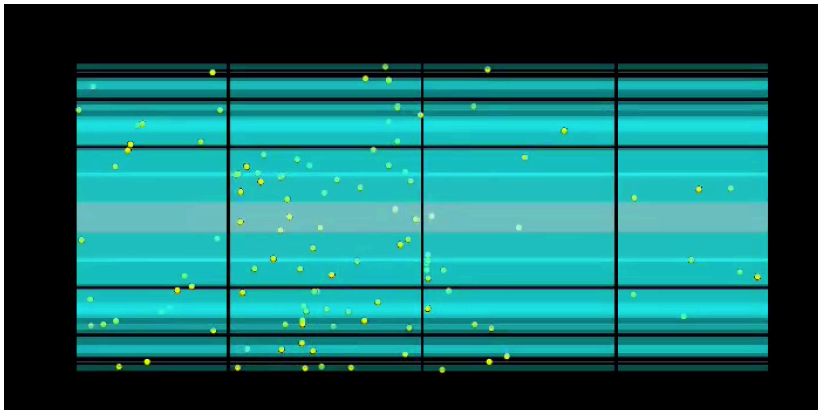
ヒット座標の表示の実装



ヒットとクラスター



クラスターのみ



ヒットのみ

Event Displayの現況

- Joseph の書いたprdf-DSTrecoder で生成したDSTファイルを読み込むと、エラーが出る

```
root [0]
Processing Loadfile.C...
Finish TrackingInit
SETTING SI SEED CV
  cluster version: 5
rescale: 1
rescale: -1
Tracking_Reco_TrackSeed - Using stub matching for Si matching
PHSiliconTpcTrackMatching pp_mode set to 0
Finish TrackingReco
Finish definition intteventdisplay
finish set min jetpt
finish set verbosity
finish set analyze tracks true
finish set analyze clusters true
finish register subsystem
Fun4AllServer::setRun(): could not get timestamp for run 0, using tics(0) timestamp: Wed Dec 31 19:00:00 1969
static PHGeomTGeo* PHGeomUtility::LoadFromIONode(PHCompositeNode) - ERROR - failed to update PHGeomTGeo node RUN/GEOMETRY due to missing
PHGeomIOTGeo node at RUN/GEOMETRY_IO
static PHGeomIOTGeo PHGeomUtility::UpdateIONode(PHCompositeNode*) - ERROR - failed to update PHGeomIOTGeo node RUN/GEOMETRY_IO due to invalid
PHGeomTGeo node at RUN/GEOMETRY
```