

Status on SDT simulation

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Status

- Matlab : download a trial version
 - trial version, can use without license for one month
 - <https://jp.mathworks.com/campaigns/products/trials.html>
 - Full set ? (Matlab, Simulink, and many toolbox) ~20 GB
 - Fail several times for compilation (= download) but finally it is fine
- LDT2.0 : try to run it , as a trial
 - by referring the user-guide

from LDT2.0

Edit simulation parameters

ファイル(E) 編集(E) 表示(V) 挿入(I) ツール(T) デスクトップ(D) ウィンドウ(W) ヘルプ(H)

Mass of the particles [GeV] 0.106
Number of events 10
Number of tracks per event 100

Start parameter range

Momentum (min) [GeV] 1
Momentum (max) [GeV] 100
Polar angle theta (min) [deg] 5
Polar angle theta (max) [deg] 90
Azimuthal angle phi (min) [deg] 0
Azimuthal angle phi (max) [deg] 360

Flags

Simulation

- Symmetry in theta
- Use absolute momentum
- Scale down TPC by factor 5
- Multiple scattering
- Measurement errors

Reconstruction

- Display bad tracks
- Chi2

OK

LDT_Matlab

Detector geometry

Barrel geometry
Select barrel geometry

geom/SID_bgeom

Forward geometry
Select forward geometry

geom/SID_fggeom

2D detector display 3D detector display

Simulation

Set parameters Interrupt

Run simulation

Outputs

- View log file
- Pulls histograms
- Residuals histograms
- Impacts histograms
- Curves
- RAVE file
- JAS3 file

Messages

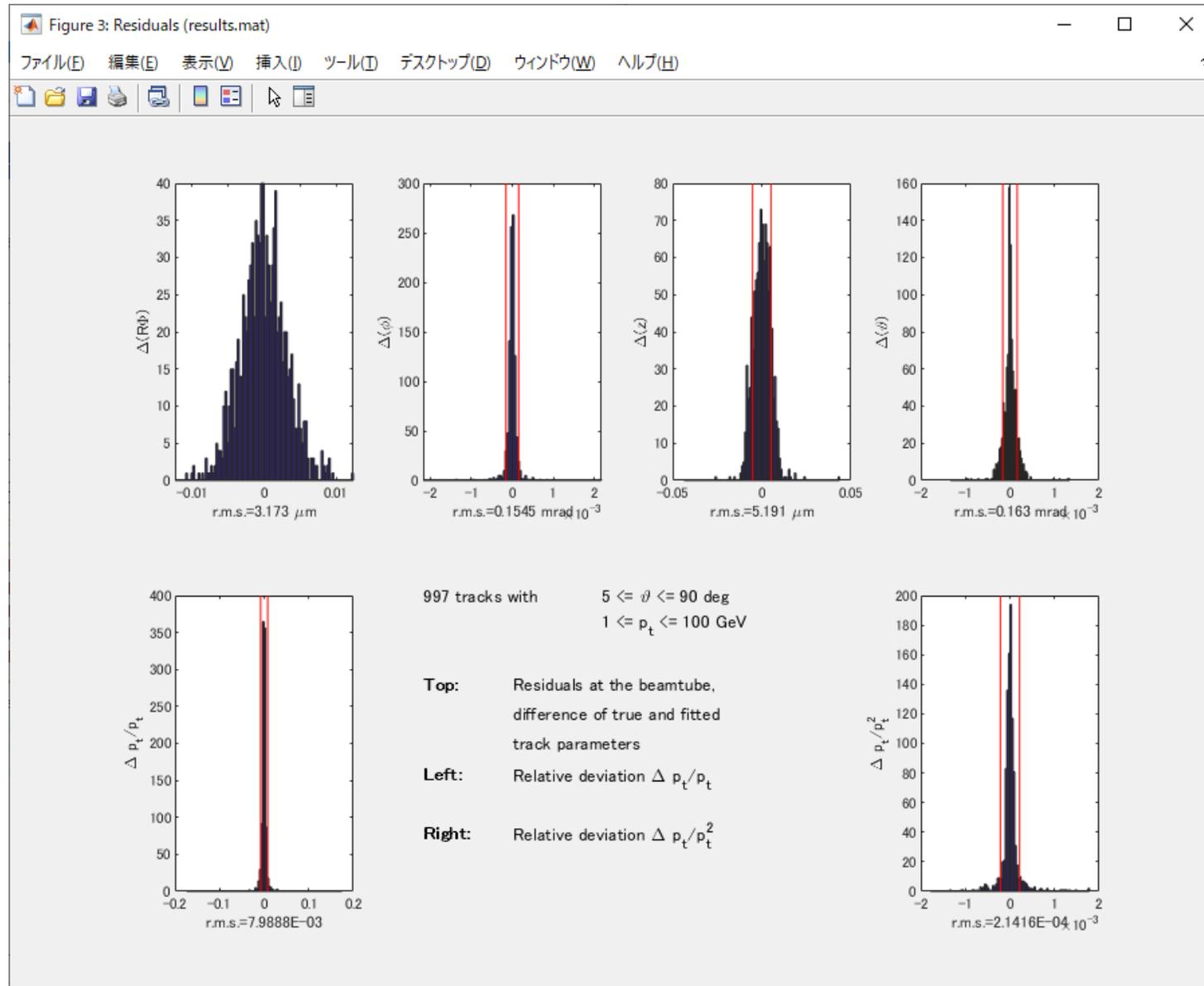
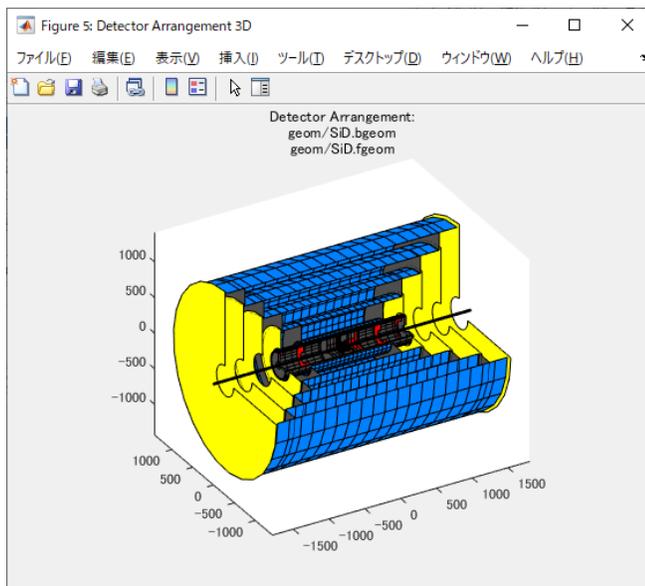
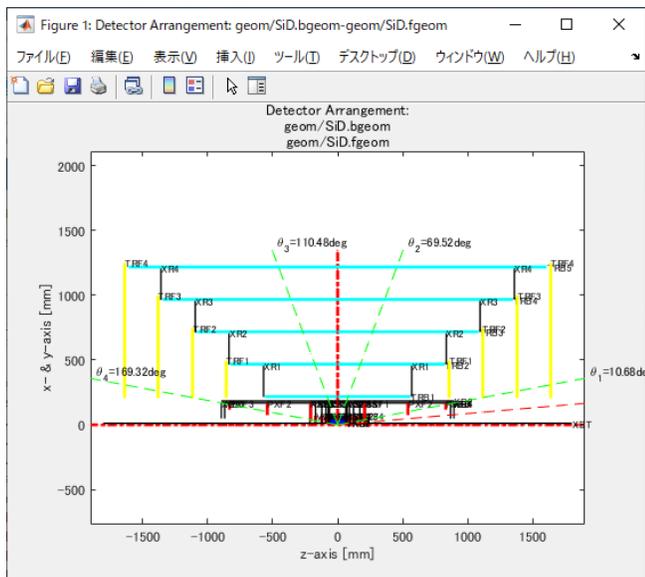
Messages:
No messages

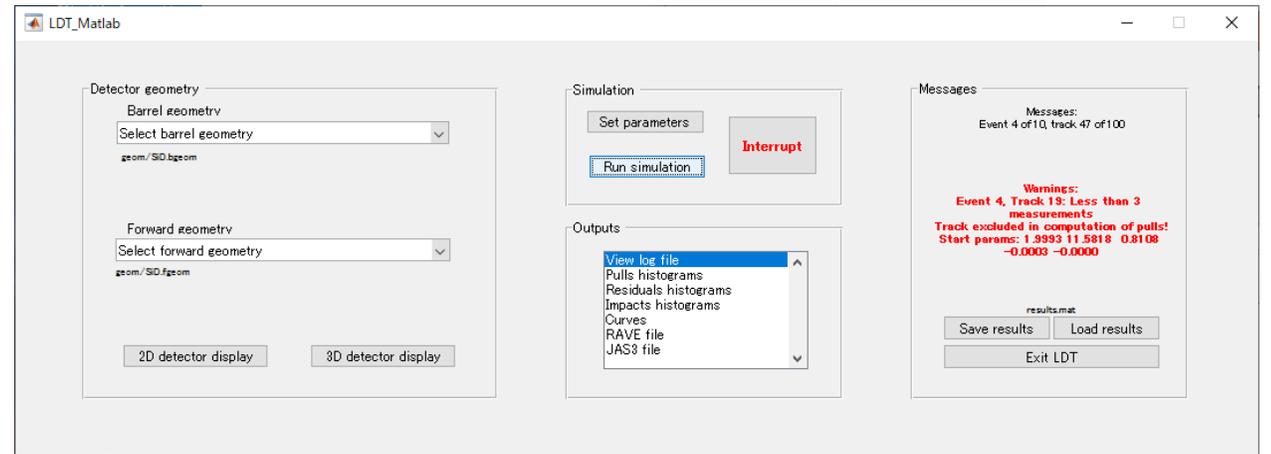
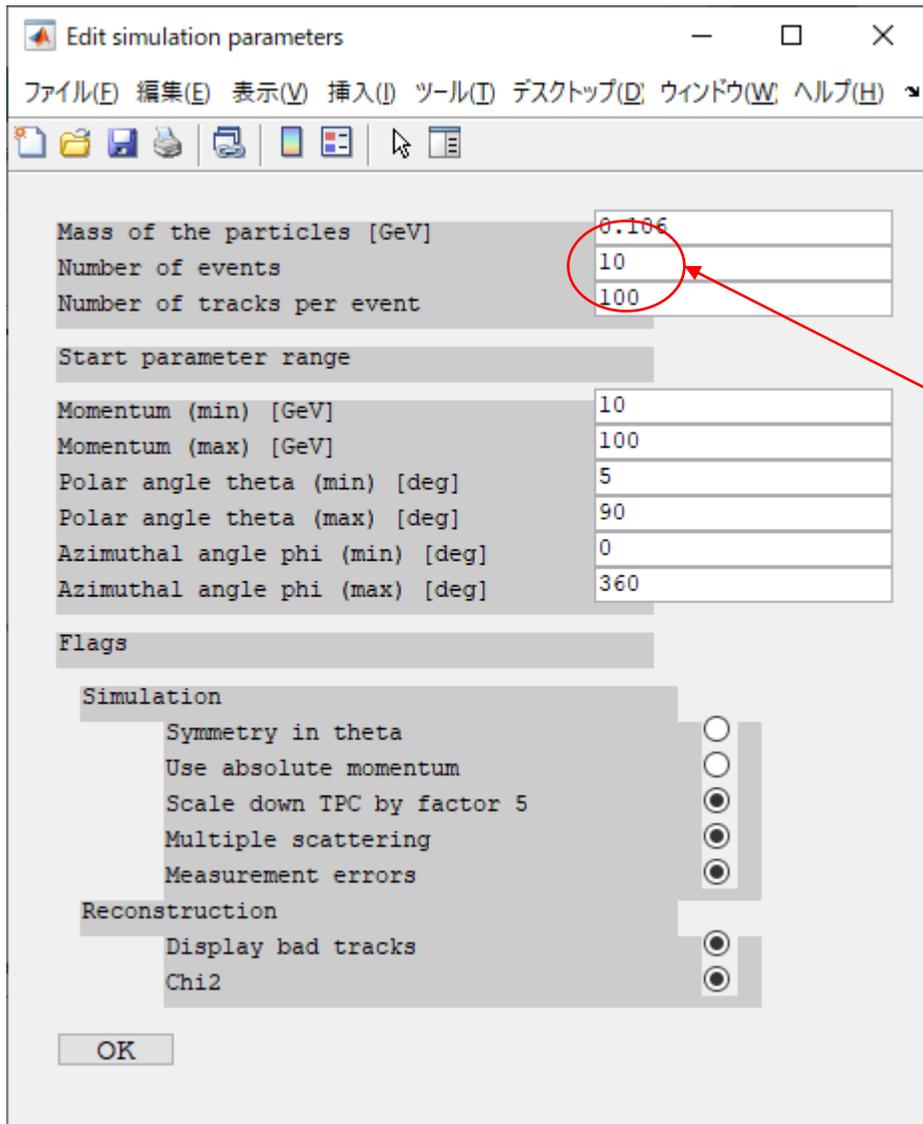
Warnings:
No warnings

results.mat

Save results Load results

Exit LDT





左辺と右辺の要素数が異なるため、代入を実行できません。

エラー: LDT_run (line 526)
 pulldet(lTrack)=min(find(meas>0));

エラー: LDT_Matlab>run_Callback (line 475)
 LDT_run(nameb,namef,messagehandle,warninghandle);

エラー: gui_mainfcn (line 95)
 feval(varargin{:});

エラー: LDT_Matlab (line 65)
 gui_mainfcn(gui_State, varargin{:});

UIControl Callback の実行中にエラーが発生しました。

Execution is stopped due to error
 (... the message is in Japanese,
 need to fine English version)

