

```
[Allpix]
number_of_events = 400000
detectors_file = "tutorial-geometry.conf"
```

```
[GeometryBuilderGeant4]
```

```
[DepositionGeant4]
particle_type = "gamma"
source_energy = 400keV
source_type = "beam"
beam_size = 3mm
source_position = 0um 0um -200mm
beam_direction = 0 0 1
physics_list = FTFP_BERT_EMZ
#output_plots = true
```

```
[ElectricFieldReader]
model = "linear"
bias_voltage = 250V
depletion_voltage = 20V
#output_plots = true
```

```
[GenericPropagation]
type = "timepix"
log_level = "INFO"
temperature = 293K
charge_per_step = 25
timestep_min = 1ps
timestep_max = 5ps
timestep_start = 1ps
output_plots = true
#integration_time = 10ns
propagate_holes = true
propagate_electrons = true
#output_linegraphs = true
#output_plots_step = 100ps
#output_plots_lines_at_implants = true
```

```
[PulseTransfer]
output_plots = true
```

```
[CSADigitizer]
model = "csa"
#output_plots = true
clock_bin_tot = 25ns
```

```
[DetectorHistogrammer]
granularity = 100, 100
#output_plots = true
```

```
#[VisualizationGeant4]
```

```
#mode = "gui"
#transparency = 0.3
#view_style = "surface"
#trajectories_color_mode = "charge"
#trajectories_color_positive = "blue"
#trajectories_color_neutral = "green"
#trajectories_color_negative = "red"

#[ROOTObjectWriter]
#file_name = "out3"

[TextWriter]
file_name = pixelhitcsatot.txt
include = "PixelHit"
```