

## Experiment

```
SimulationBuilder
m_alpha_inc      0.097214839336084
m_beam_intensity 50
m_constant_background 50.0
m_detector_resolution_sigma 0.02
m_monte_carlo    False
m_phi_inc        0
m_time_spend     1.82
m_wavelength     13.5200
```

```
SimpleBoxGrating
m_decay_length    2500
m_grating_height  201
m_grating_length  2000
m_grating_period  833
m_grating_width   29
m_rotation_angle  0
m_rough_corr      10.0
m_rough_hurst     0.5
m_rough_sigma     5.0
m_surface_density 2.0
```

