

## Experiment

```
SimulationBuilder
m_alpha_inc      0.185703032412196
m_beam_intensity 5000
m_constant_background 100.0
m_detector_resolution_sigma 0.02
m_monte_carlo    False
m_phi_inc        0
m_time_spend     1.84
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
```

