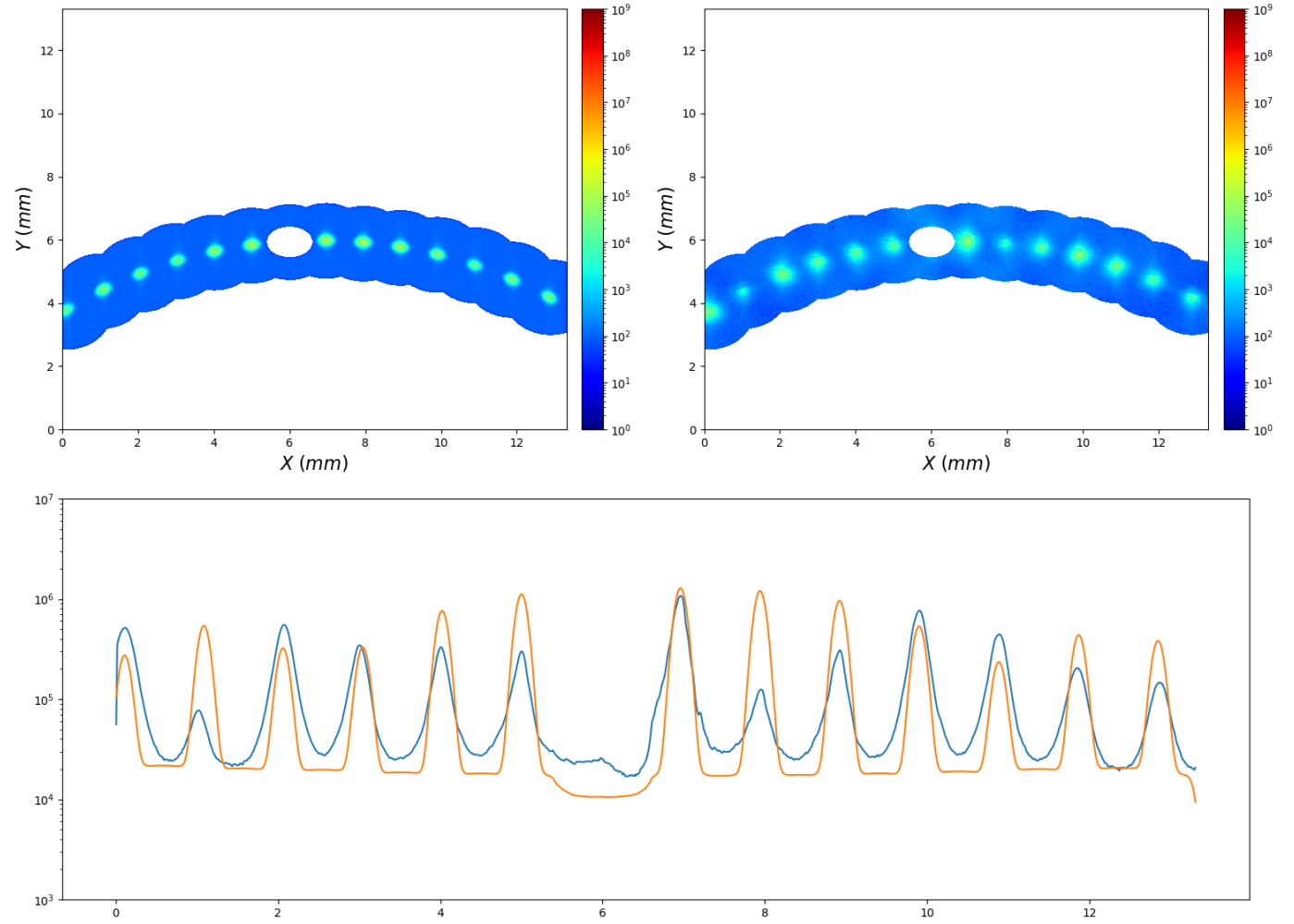


Exp2 box

```
SimulationBuilder
m_alpha_inc      10.64
m_beam_data_str  (13.52, 1.00)
m_beam_intensity 50000
m_constant_background 100.0
m_monte_carlo    False
m_phi_inc        0
m_resolution_sigma_factor 4.0
m_time_spend     2.07
m_wavelength     13.5200
```

```
DetectorBuilder
m_beta_b        78.89
m_det_dx        0.0
m_length_ccd    60.45
```

```
SimpleBoxGrating
m_decay_length  2500
m_decay_type    gauss
m_grating_height 201
m_grating_length 10000
m_grating_period 834.2
m_grating_width 29
m_interftype    1dlattice
m_rotation_angle -0.7366
m_rough_corr    10.0
m_rough_hurst   0.5
m_rough_sigma   5.0
m_surface_density 0.01
```

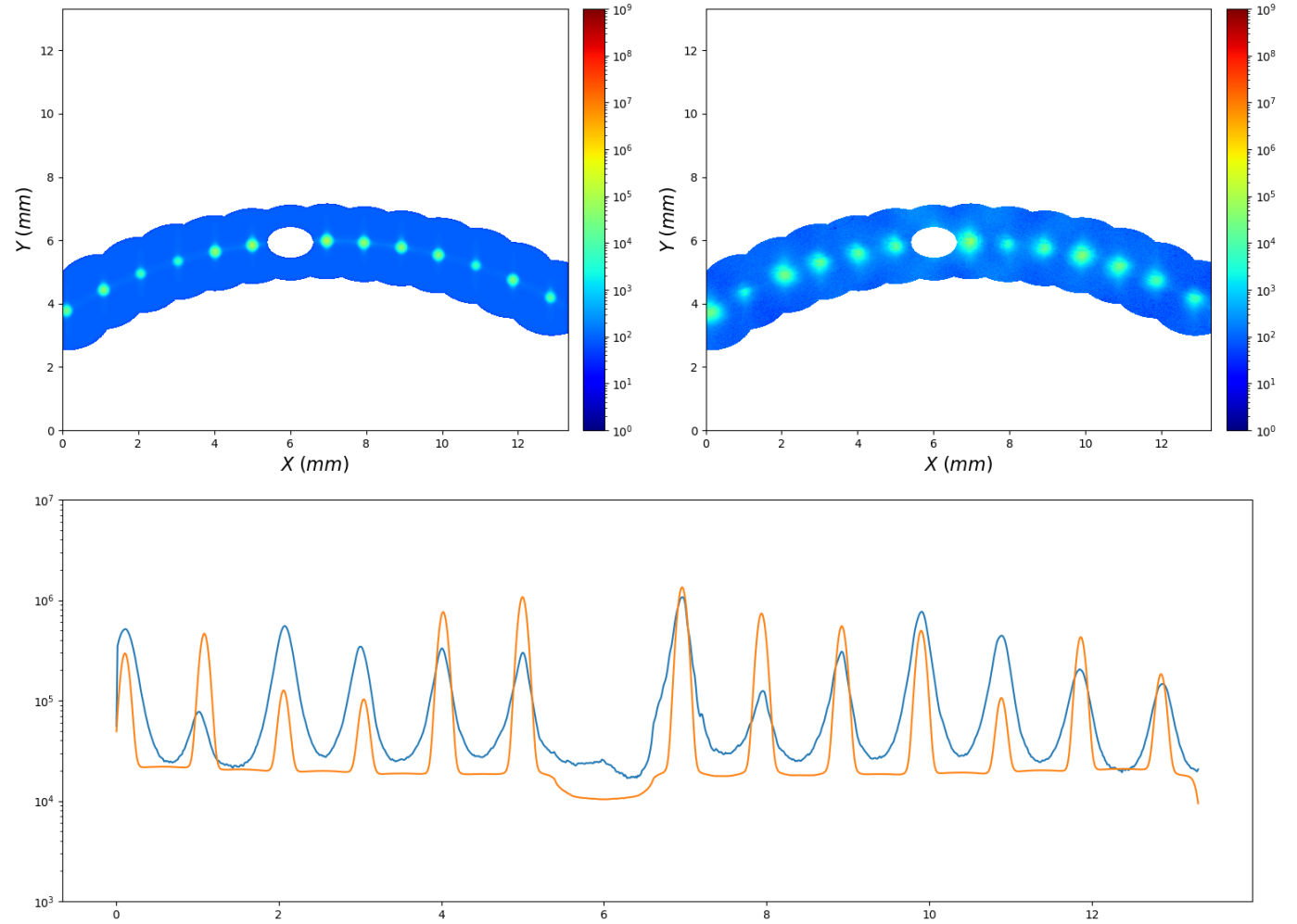


Exp2 parabox

```
SimulationBuilder
m_alpha_inc      10.64
m_beam_data_str  (13.52, 1.00)
m_beam_intensity 50000
m_constant_background 100.0
m_monte_carlo    False
m_phi_inc        0
m_resolution_sigma_factor 4.0
m_time_spend     1.94
m_wavelength     13.5200

DetectorBuilder
m_beta_b        78.89
m_det_dx        0.0
m_length_ccd    60.45
```

```
SimpleBoxGrating
m_damping_length 0
m_distr_type     gauss
m_domain_size    100000.0
m_grating_height 201
m_grating_length 10000
m_grating_period 834.2
m_grating_width  29
m_interftype     1dpara
m_omega          1.0
m_rotation_angle -0.7366
m_rough_corr     10.0
m_rough_hurst    0.5
m_rough_sigma    5.0
m_surface_density 0.005
```



Exp2 sinus

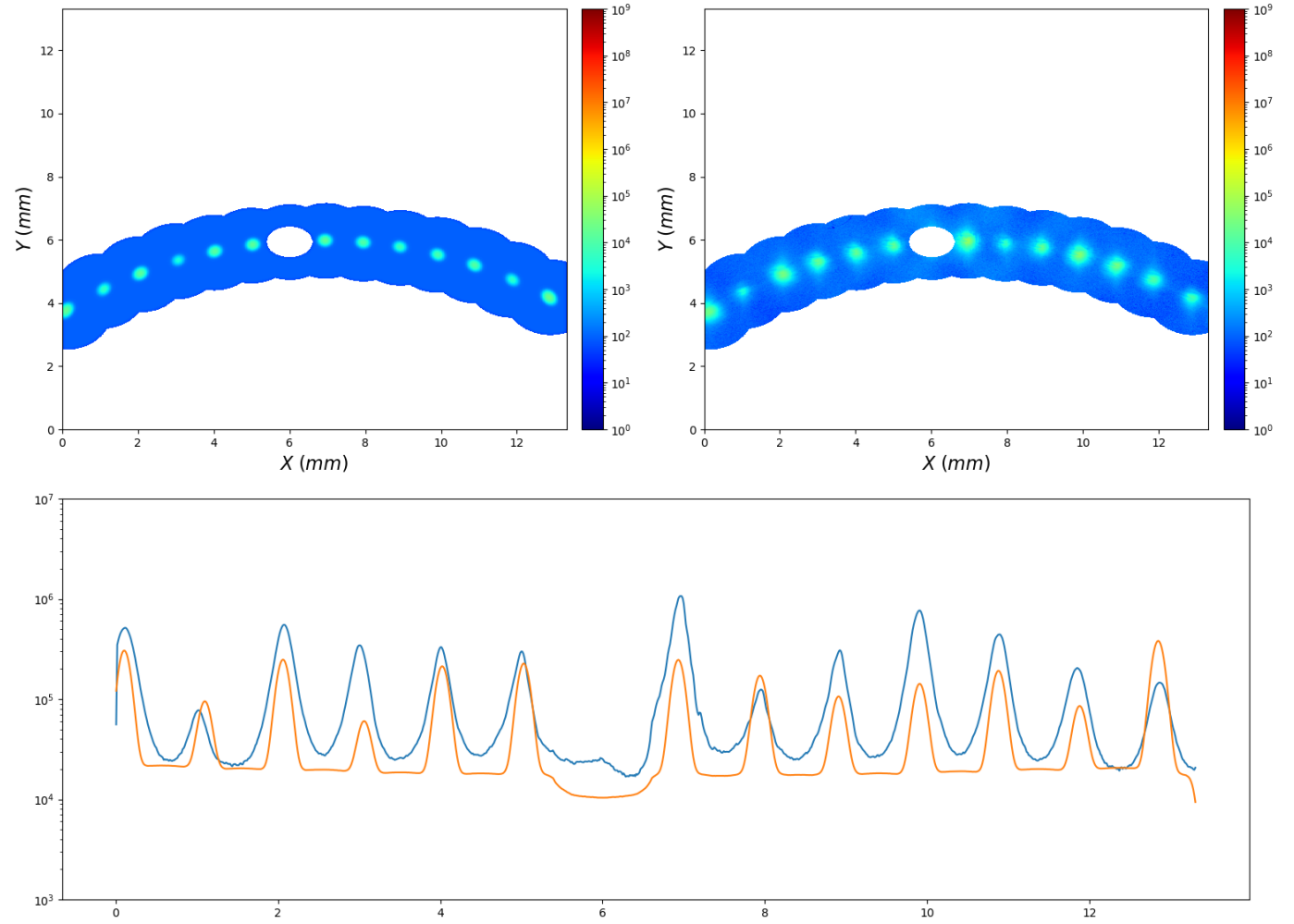
```

SimulationBuilder
m_alpha_inc      10.64
m_beam_data_str  (13.52, 1.00)
m_beam_intensity 50000
m_constant_background 100.0
m_monte_carlo    False
m_phi_inc        0
m_resolution_sigma_factor 4.0
m_time_spend     10.47
m_wavelength     13.5200

DetectorBuilder
m_beta_b        78.89
m_det_dx        0.0
m_length_ccd    60.45

SimpleSinusGrating
m_decay_length   2500
m_decay_type     gauss
m_grating_height 161
m_grating_length 10000
m_grating_period 834.2
m_grating_width  834.2
m_interftype     1dlattice
m_rotation_angle -0.7366
m_rough_corr     10.0
m_rough_hurst    0.5
m_rough_sigma    10.0
m_surface_density 0.0002

```

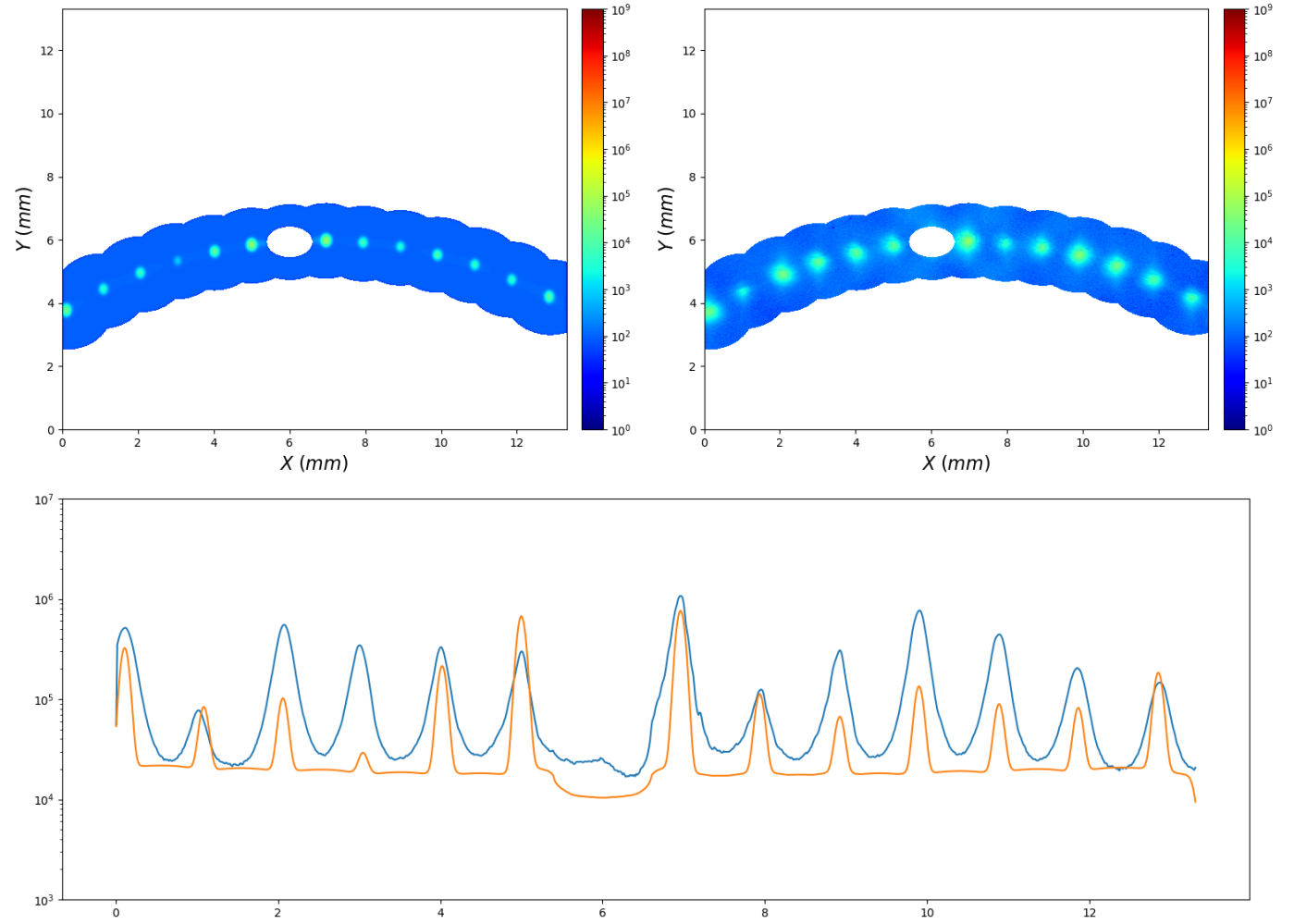


Exp2 parasinus

```
SimulationBuilder
m_alpha_inc      10.64
m_beam_data_str  (13.52, 1.00)
m_beam_intensity 50000
m_constant_background 100.0
m_monte_carlo    False
m_phi_inc        0
m_resolution_sigma_factor 4.0
m_time_spend     10.42
m_wavelength     13.5200

DetectorBuilder
m_beta_b        78.89
m_det_dx        0.0
m_length_ccd    60.45

SimpleSinusGrating
m_damping_length 0
m_distr_type     gauss
m_domain_size    100000.0
m_grating_height 161
m_grating_length 10000
m_grating_period 834.2
m_grating_width  834.2
m_interftype     1dpara
m_omega          1.0
m_rotation_angle -0.7366
m_rough_corr     10.0
m_rough_hurst    0.5
m_rough_sigma    5.0
m_surface_density 0.0001
```



Exp2 spherical

```

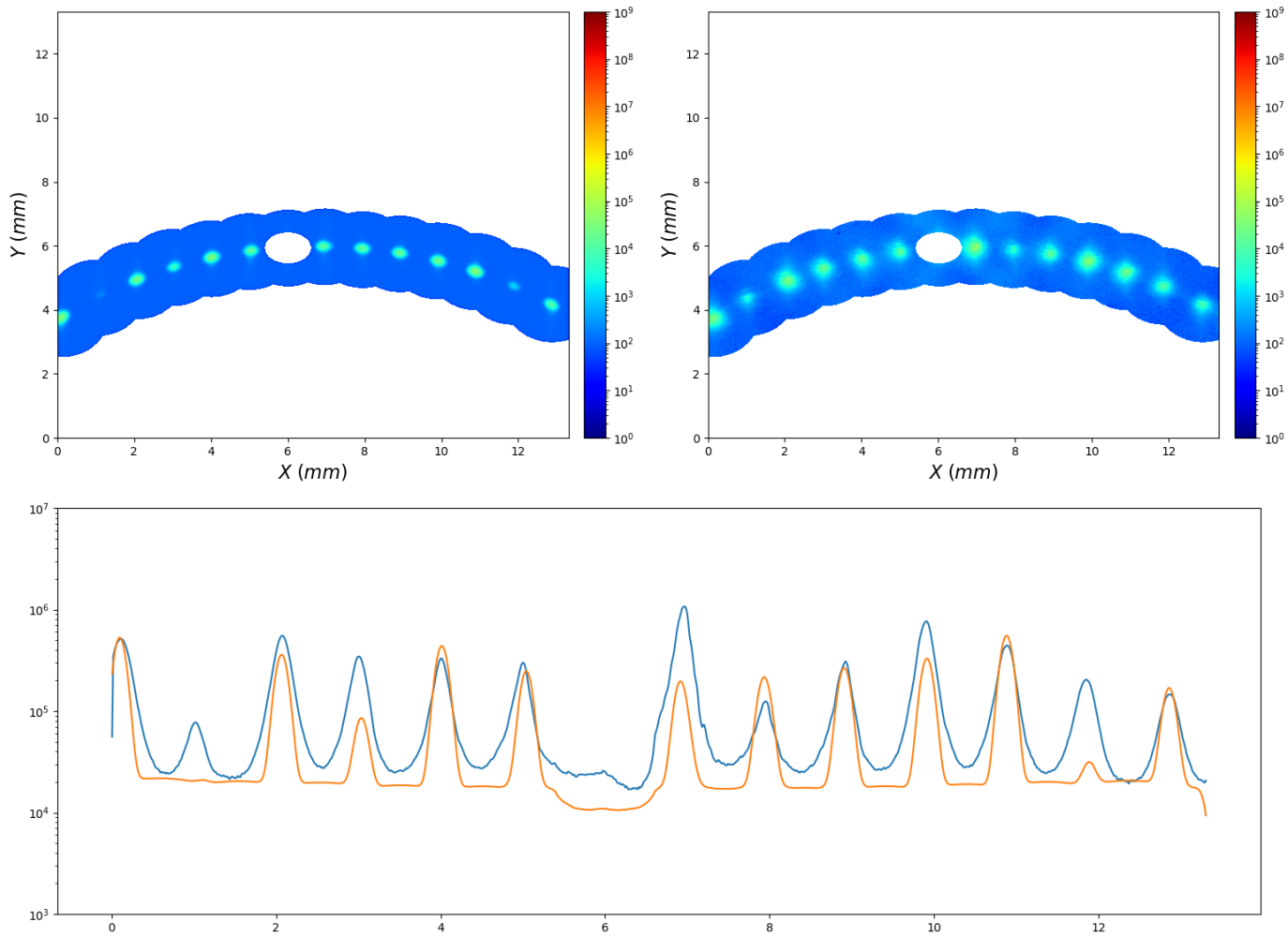
SimulationBuilder
m_alpha_inc      10.64
m_beam_data_str  (13.52, 1.00)
m_beam_intensity 50000
m_constant_background 100.0
m_monte_carlo    False
m_phi_inc        0
m_resolution_sigma_factor 4.0
m_time_spend     5.11
m_wavelength     13.5200

DetectorBuilder
m_beta_b        78.89
m_det_dx        0.0
m_length_ccd    60.45

SphericalGrating
m_decay_length   2500
m_decay_type     gauss
m_grating_length 10000
m_grating_period 834.2
m_interftype     1dlattice
m_rotation_angle -0.7366
m_rough_corr     10.0
m_rough_hurst    0.5
m_rough_sigma    5.0
m_surface_density 0.0002

GratingShape
m_grating_length 10000
m_nslices        200
m_period         834.2
m_r0             233
m_r1             372
m_thickness      393

```



Exp2 paraspherical

```
SimulationBuilder
m_alpha_inc      10.64
m_beam_data_str  (13.52, 1.00)
m_beam_intensity 50000
m_constant_background 100.0
m_monte_carlo    False
m_phi_inc        0
m_resolution_sigma_factor 4.0
m_time_spend     5.05
m_wavelength     13.5200
```

```
DetectorBuilder
m_beta_b        78.89
m_det_dx        0.0
m_length_ccd    60.45
```

```
SphericalGrating
m_damping_length 0
m_distr_type     gauss
m_domain_size    100000.0
m_grating_length 10000
m_grating_period 834.2
m_interftype     1dpara
m_omega          1.0
m_rotation_angle -0.7366
m_rough_corr     10.0
m_rough_hurst    0.5
m_rough_sigma    5.0
m_surface_density 0.0001
```

```
GratingShape
m_grating_length 10000
m_nslices        200
m_period         834.2
m_r0             233
m_r1             372
m_thickness      393
```

