

Exp2 spherical r1

```

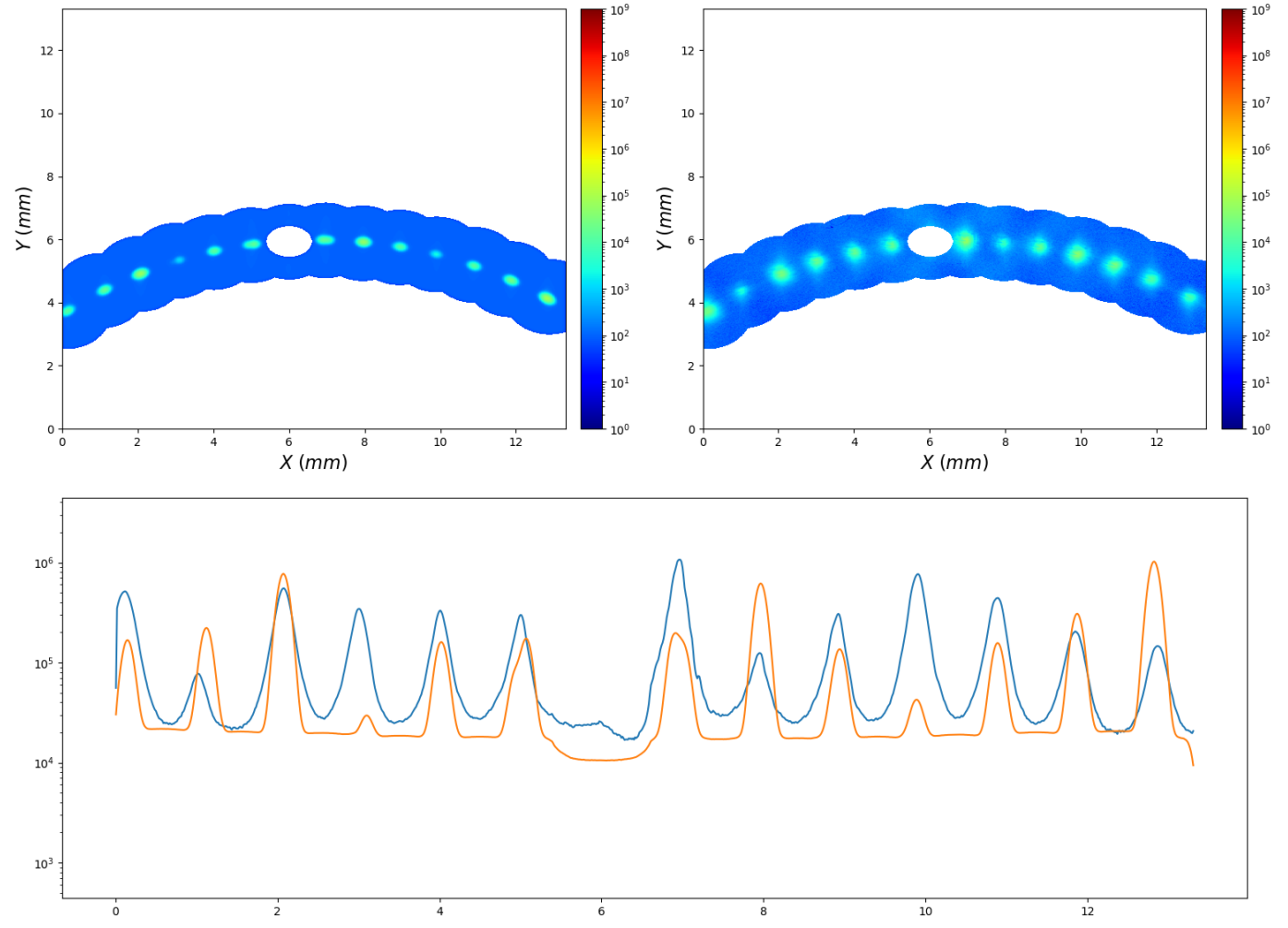
SimulationBuilder
m_alpha_inc      10.64
m_beam_data_str  (13.52, 1.00)
m_beam_intensity 50000
m_constant_background 100.0
m_monte_carlo    False
m_phi_inc        0
m_resolution_sigma_factor 4.0
m_time_spend     3.28
m_wavelength     13.5200

DetectorBuilder
m_beta_b        72.12
m_det_dx        0.00225
m_length_ccd    60.45

SphericalGrating
m_decay_length   2500
m_decay_type     gauss
m_grating_length 20000
m_grating_period 834.2
m_interftype     1dlattice
m_rotation_angle -0.731
m_rough_corr     10.0
m_rough_hurst    0.5
m_rough_sigma    5.0
m_surface_density 0.0002

GratingShape
m_grating_length 20000
m_nslices        100
m_period         834.2
m_r0             225
m_r1             340.0
m_thickness      450

```



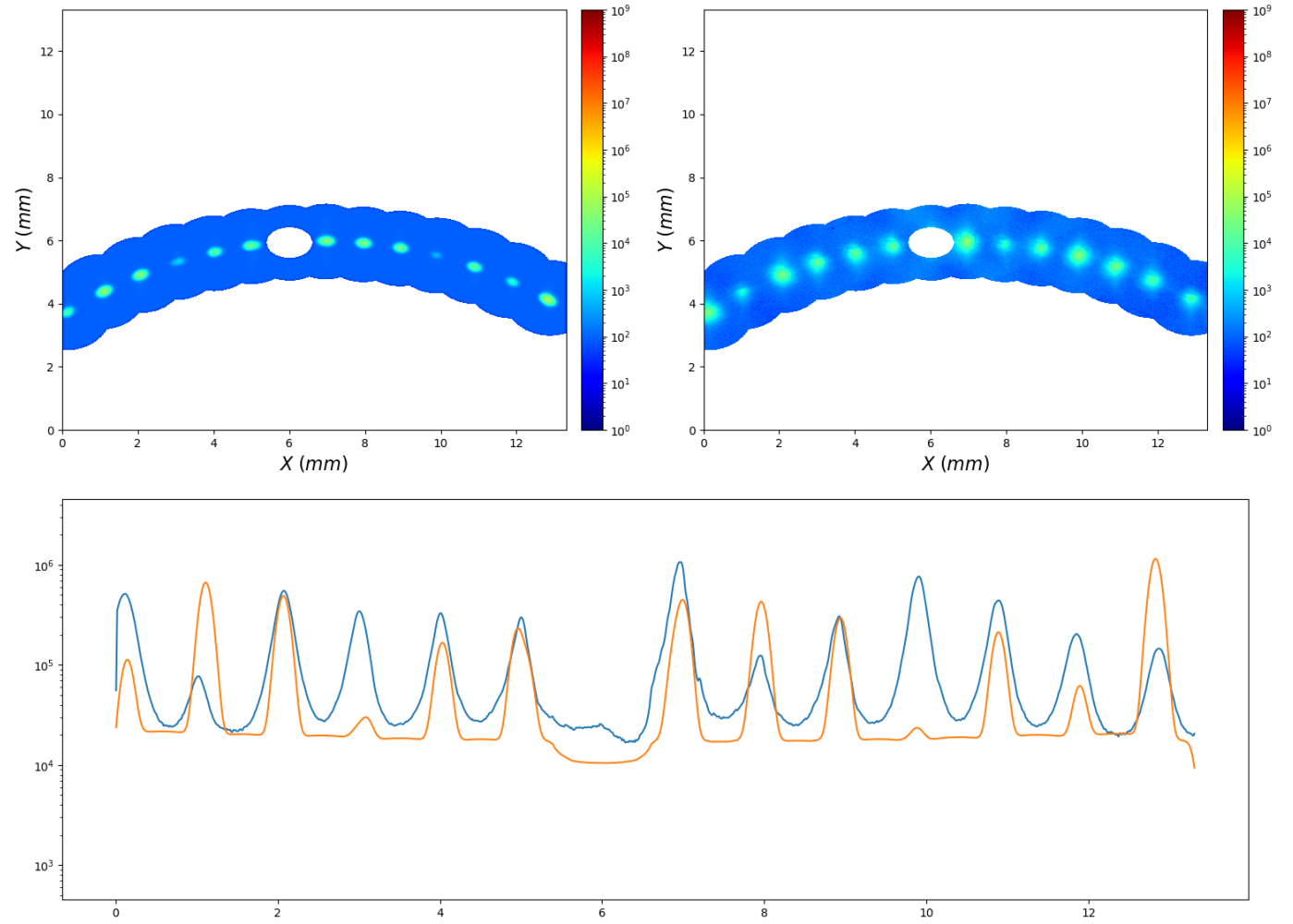
Exp2 spherical r1

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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     3.28
m_wavelength     13.5200

DetectorBuilder
m_beta_b        72.12
m_det_dx        0.00225
m_length_ccd    60.45

SphericalGrating
m_decay_length   2500
m_decay_type     gauss
m_grating_length 20000
m_grating_period 834.2
m_interftype     1dlattice
m_rotation_angle -0.731
m_rough_corr     10.0
m_rough_hurst    0.5
m_rough_sigma    5.0
m_surface_density 0.0002

GratingShape
m_grating_length 20000
m_nslices        100
m_period         834.2
m_r0             225
m_r1             344.44444444444446
m_thickness      450
```



Exp2 spherical r1

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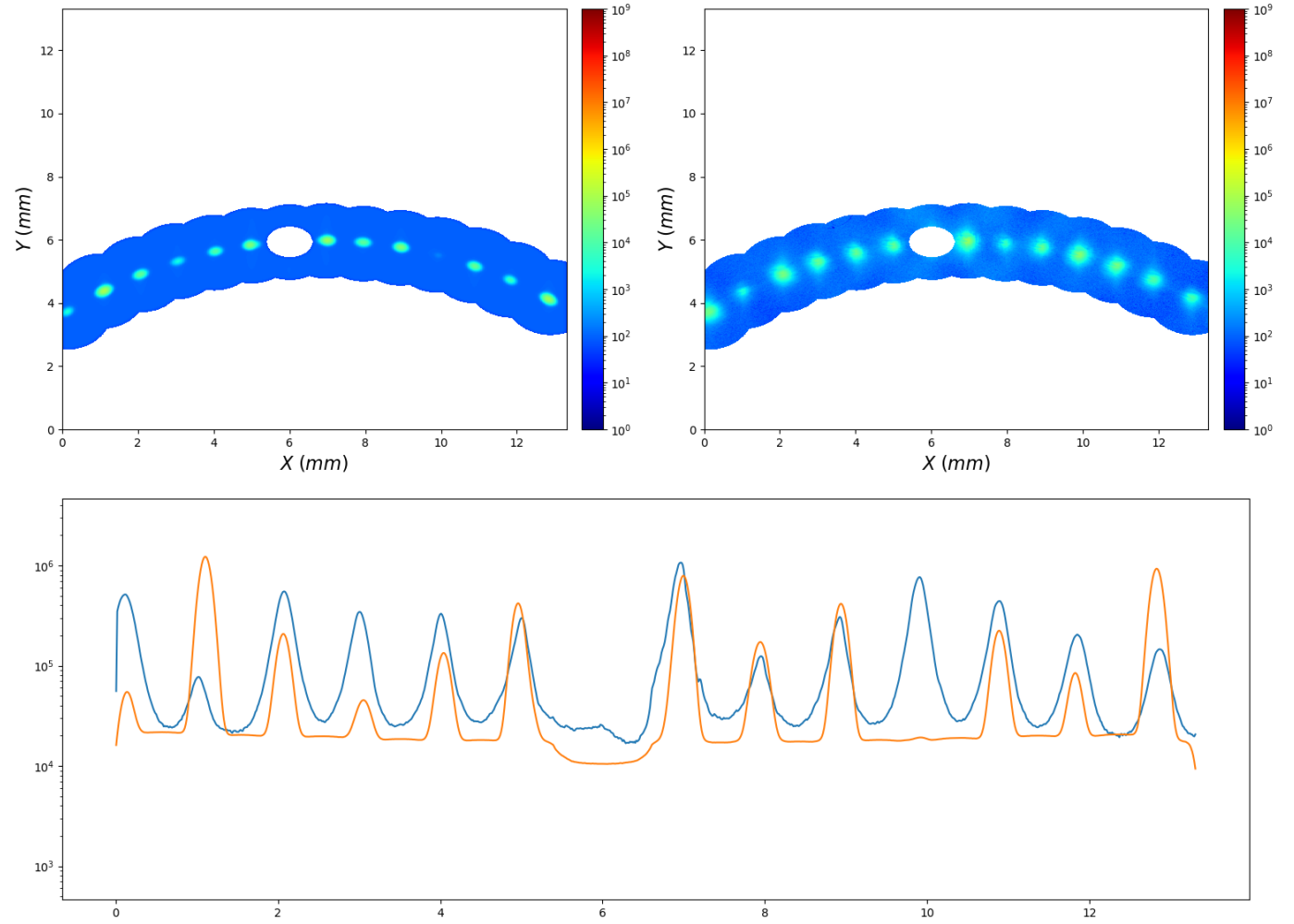
SimulationBuilder
m_alpha_inc      10.64
m_beam_data_str  (13.52, 1.00)
m_beam_intensity 50000
m_constant_background 100.0
m_monte_carlo    False
m_phi_inc        0
m_resolution_sigma_factor 4.0
m_time_spend     3.28
m_wavelength     13.5200

DetectorBuilder
m_beta_b        72.12
m_det_dx        0.00225
m_length_ccd    60.45

SphericalGrating
m_decay_length   2500
m_decay_type     gauss
m_grating_length 20000
m_grating_period 834.2
m_interftype     1dlattice
m_rotation_angle -0.731
m_rough_corr     10.0
m_rough_hurst    0.5
m_rough_sigma    5.0
m_surface_density 0.0002

GratingShape
m_grating_length 20000
m_nslices        100
m_period         834.2
m_r0             225
m_r1             348.8888888888889
m_thickness      450

```



Exp2 spherical r1

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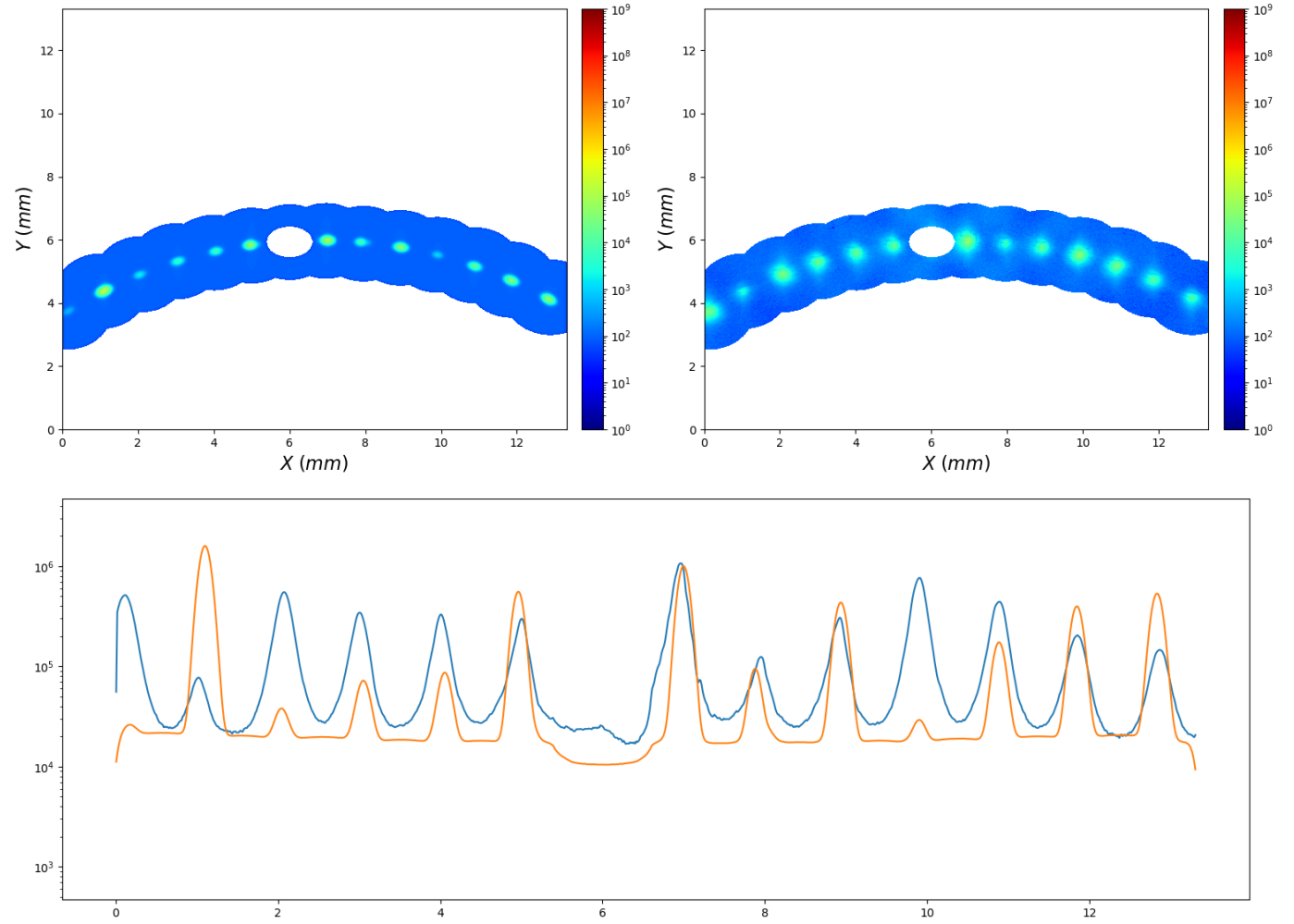
SimulationBuilder
m_alpha_inc      10.64
m_beam_data_str  (13.52, 1.00)
m_beam_intensity 50000
m_constant_background 100.0
m_monte_carlo    False
m_phi_inc        0
m_resolution_sigma_factor 4.0
m_time_spend     3.25
m_wavelength     13.5200

DetectorBuilder
m_beta_b        72.12
m_det_dx        0.00225
m_length_ccd    60.45

SphericalGrating
m_decay_length   2500
m_decay_type     gauss
m_grating_length 20000
m_grating_period 834.2
m_interftype     1dlattice
m_rotation_angle -0.731
m_rough_corr     10.0
m_rough_hurst    0.5
m_rough_sigma    5.0
m_surface_density 0.0002

GratingShape
m_grating_length 20000
m_nslices        100
m_period         834.2
m_r0             225
m_r1             353.3333333333333
m_thickness      450

```



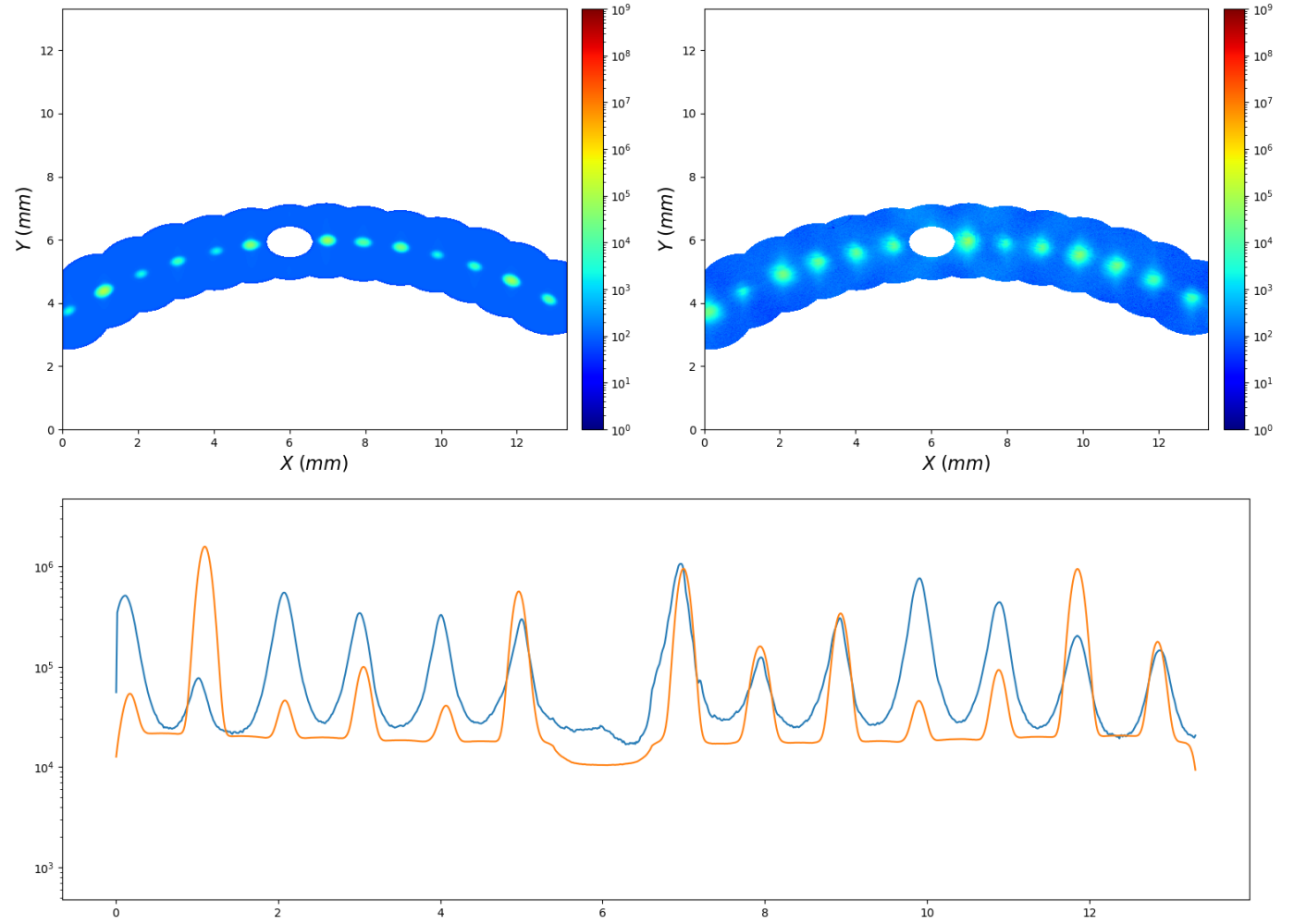
Exp2 spherical r1

```
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     3.26
m_wavelength     13.5200

DetectorBuilder
m_beta_b        72.12
m_det_dx        0.00225
m_length_ccd    60.45

SphericalGrating
m_decay_length   2500
m_decay_type     gauss
m_grating_length 20000
m_grating_period 834.2
m_interftype     1dlattice
m_rotation_angle -0.731
m_rough_corr     10.0
m_rough_hurst    0.5
m_rough_sigma    5.0
m_surface_density 0.0002

GratingShape
m_grating_length 20000
m_nslices        100
m_period         834.2
m_r0             225
m_r1             357.77777777777777
m_thickness      450
```



Exp2 spherical r1

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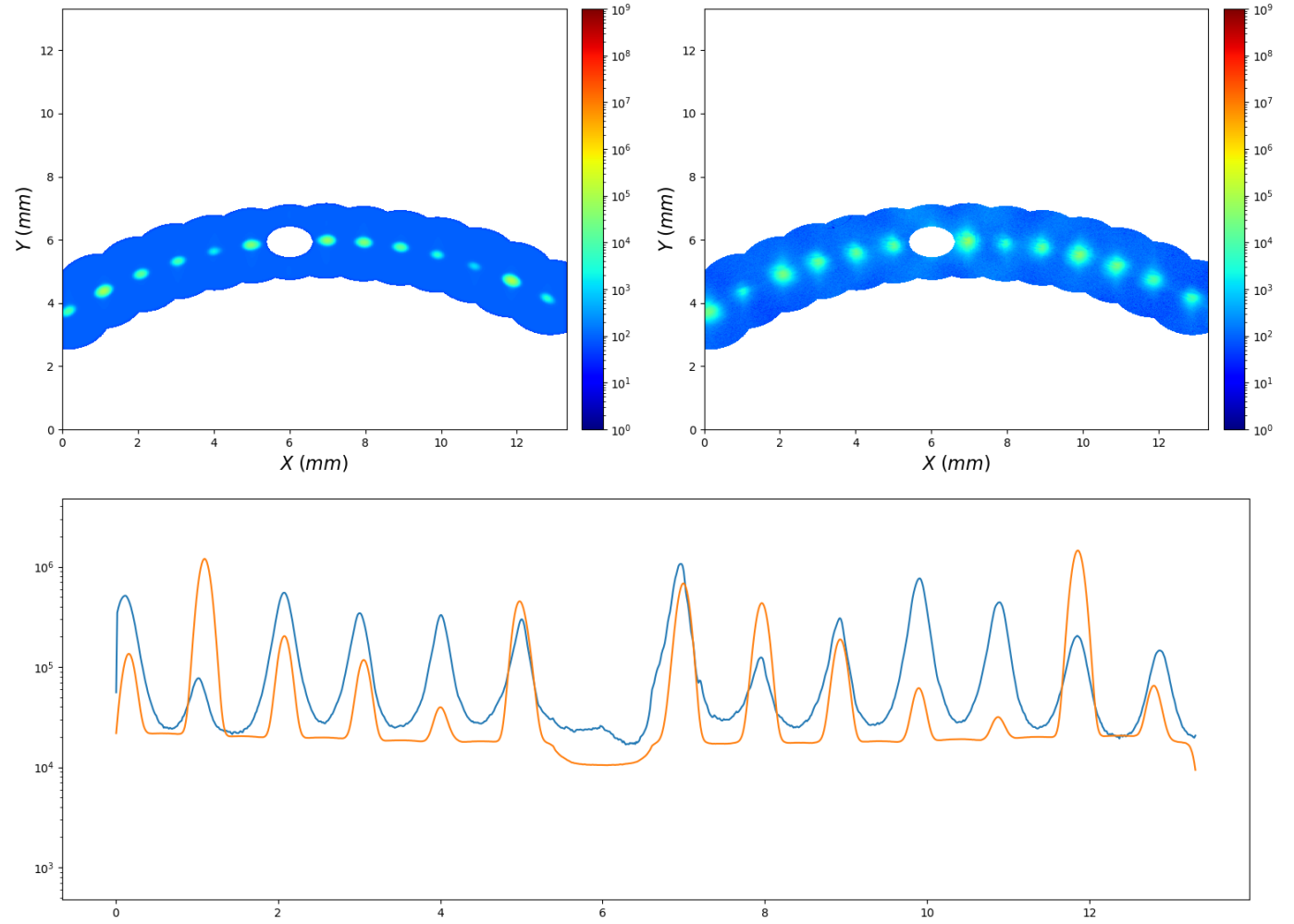
SimulationBuilder
m_alpha_inc      10.64
m_beam_data_str  (13.52, 1.00)
m_beam_intensity 50000
m_constant_background 100.0
m_monte_carlo    False
m_phi_inc        0
m_resolution_sigma_factor 4.0
m_time_spend     3.27
m_wavelength     13.5200

DetectorBuilder
m_beta_b        72.12
m_det_dx        0.00225
m_length_ccd    60.45

SphericalGrating
m_decay_length   2500
m_decay_type     gauss
m_grating_length 20000
m_grating_period 834.2
m_interftype     1dlattice
m_rotation_angle -0.731
m_rough_corr     10.0
m_rough_hurst    0.5
m_rough_sigma    5.0
m_surface_density 0.0002

GratingShape
m_grating_length 20000
m_nslices        100
m_period         834.2
m_r0             225
m_r1             362.2222222222223
m_thickness      450

```



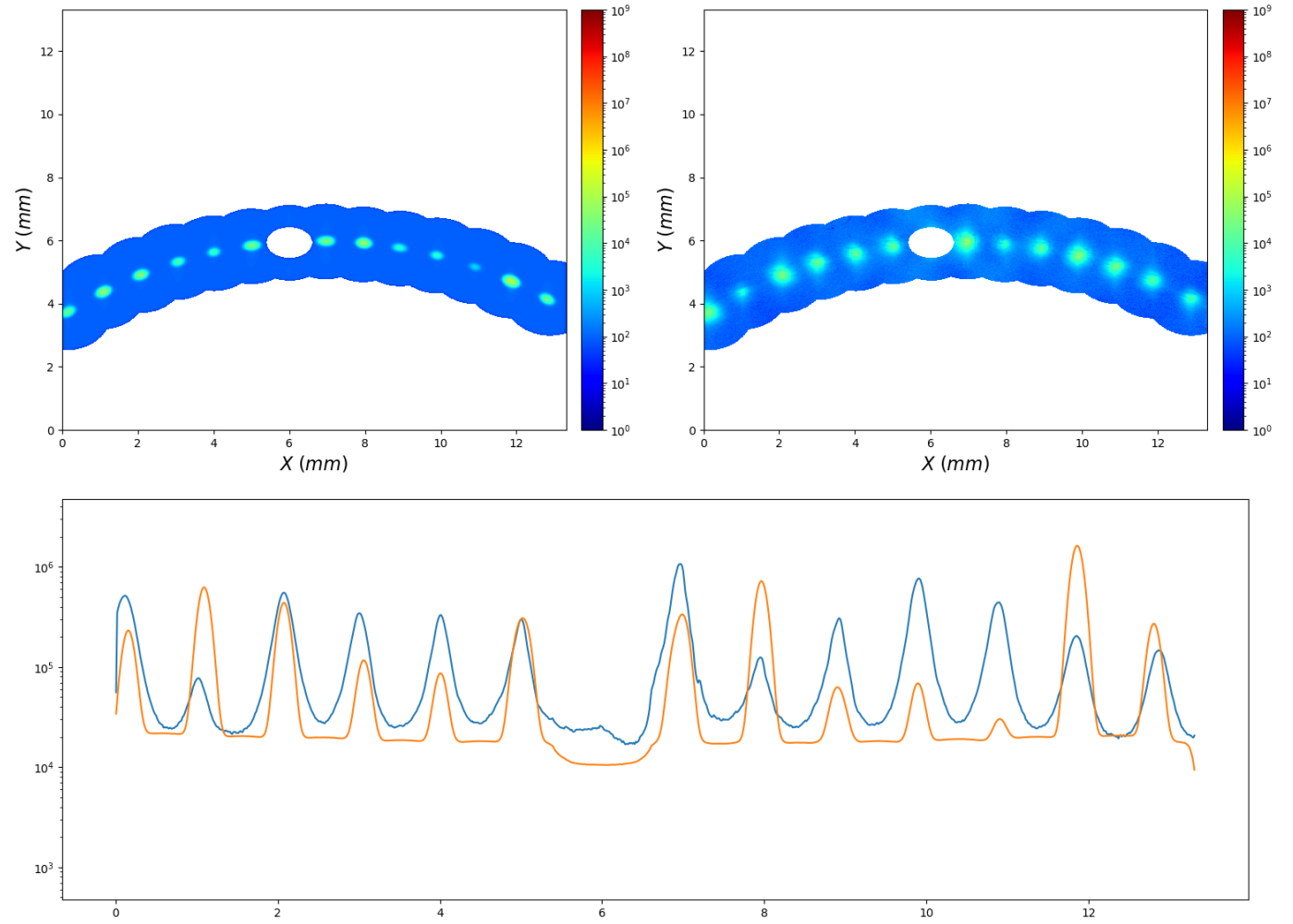
Exp2 spherical r1

```
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     3.27
m_wavelength     13.5200

DetectorBuilder
m_beta_b        72.12
m_det_dx        0.00225
m_length_ccd    60.45

SphericalGrating
m_decay_length   2500
m_decay_type     gauss
m_grating_length 20000
m_grating_period 834.2
m_interftype     1dlattice
m_rotation_angle -0.731
m_rough_corr     10.0
m_rough_hurst    0.5
m_rough_sigma    5.0
m_surface_density 0.0002

GratingShape
m_grating_length 20000
m_nslices        100
m_period         834.2
m_r0             225
m_r1             366.6666666666667
m_thickness      450
```



Exp2 spherical r1

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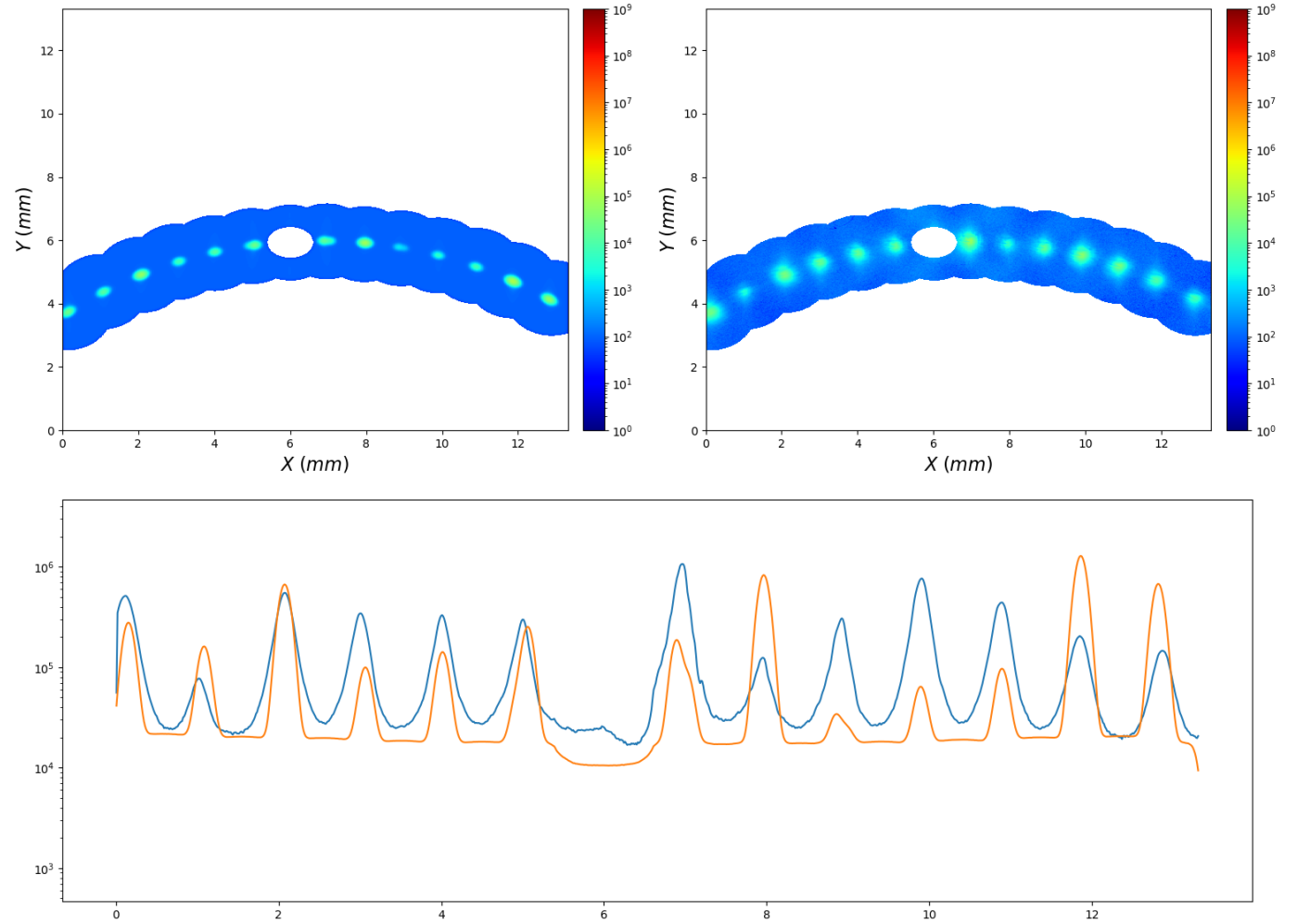
SimulationBuilder
m_alpha_inc      10.64
m_beam_data_str  (13.52, 1.00)
m_beam_intensity 50000
m_constant_background 100.0
m_monte_carlo    False
m_phi_inc        0
m_resolution_sigma_factor 4.0
m_time_spend     3.37
m_wavelength     13.5200

DetectorBuilder
m_beta_b        72.12
m_det_dx        0.00225
m_length_ccd    60.45

SphericalGrating
m_decay_length   2500
m_decay_type     gauss
m_grating_length 20000
m_grating_period 834.2
m_interftype     1dlattice
m_rotation_angle -0.731
m_rough_corr     10.0
m_rough_hurst    0.5
m_rough_sigma    5.0
m_surface_density 0.0002

GratingShape
m_grating_length 20000
m_nslices        100
m_period         834.2
m_r0             225
m_r1             371.1111111111111
m_thickness      450

```



Exp2 spherical r1

```

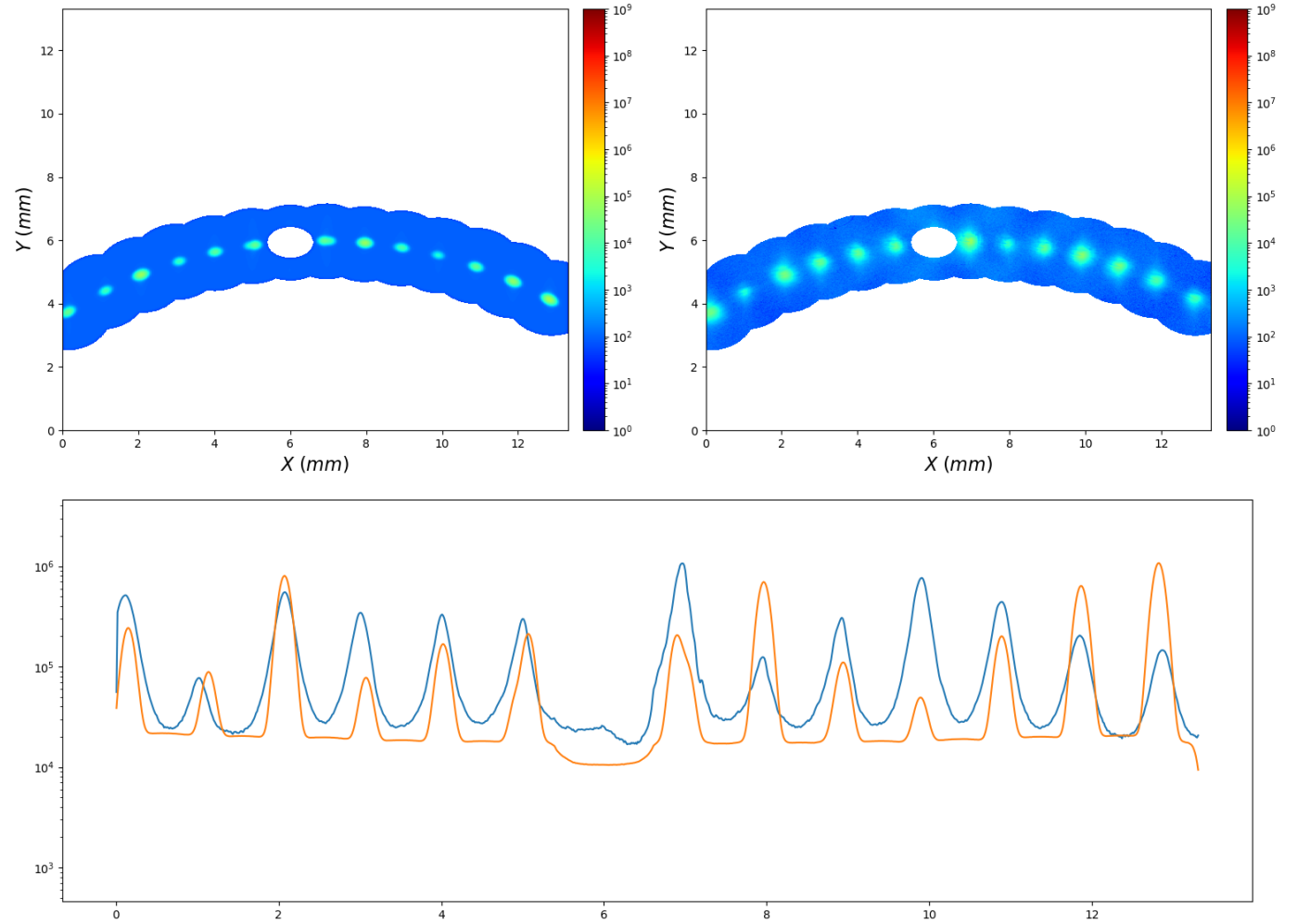
SimulationBuilder
m_alpha_inc      10.64
m_beam_data_str  (13.52, 1.00)
m_beam_intensity 50000
m_constant_background 100.0
m_monte_carlo    False
m_phi_inc        0
m_resolution_sigma_factor 4.0
m_time_spend     3.48
m_wavelength     13.5200

DetectorBuilder
m_beta_b        72.12
m_det_dx        0.00225
m_length_ccd    60.45

SphericalGrating
m_decay_length   2500
m_decay_type     gauss
m_grating_length 20000
m_grating_period 834.2
m_interftype     1dlattice
m_rotation_angle -0.731
m_rough_corr     10.0
m_rough_hurst    0.5
m_rough_sigma    5.0
m_surface_density 0.0002

GratingShape
m_grating_length 20000
m_nslices        100
m_period         834.2
m_r0             225
m_r1             375.55555555555554
m_thickness      450

```



Exp2 spherical r1

```
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     3.56
m_wavelength     13.5200

DetectorBuilder
m_beta_b        72.12
m_det_dx        0.00225
m_length_ccd    60.45

SphericalGrating
m_decay_length   2500
m_decay_type     gauss
m_grating_length 20000
m_grating_period 834.2
m_interftype     1dlattice
m_rotation_angle -0.731
m_rough_corr     10.0
m_rough_hurst    0.5
m_rough_sigma    5.0
m_surface_density 0.0002

GratingShape
m_grating_length 20000
m_nslices        100
m_period         834.2
m_r0             225
m_r1             380.0
m_thickness      450
```

