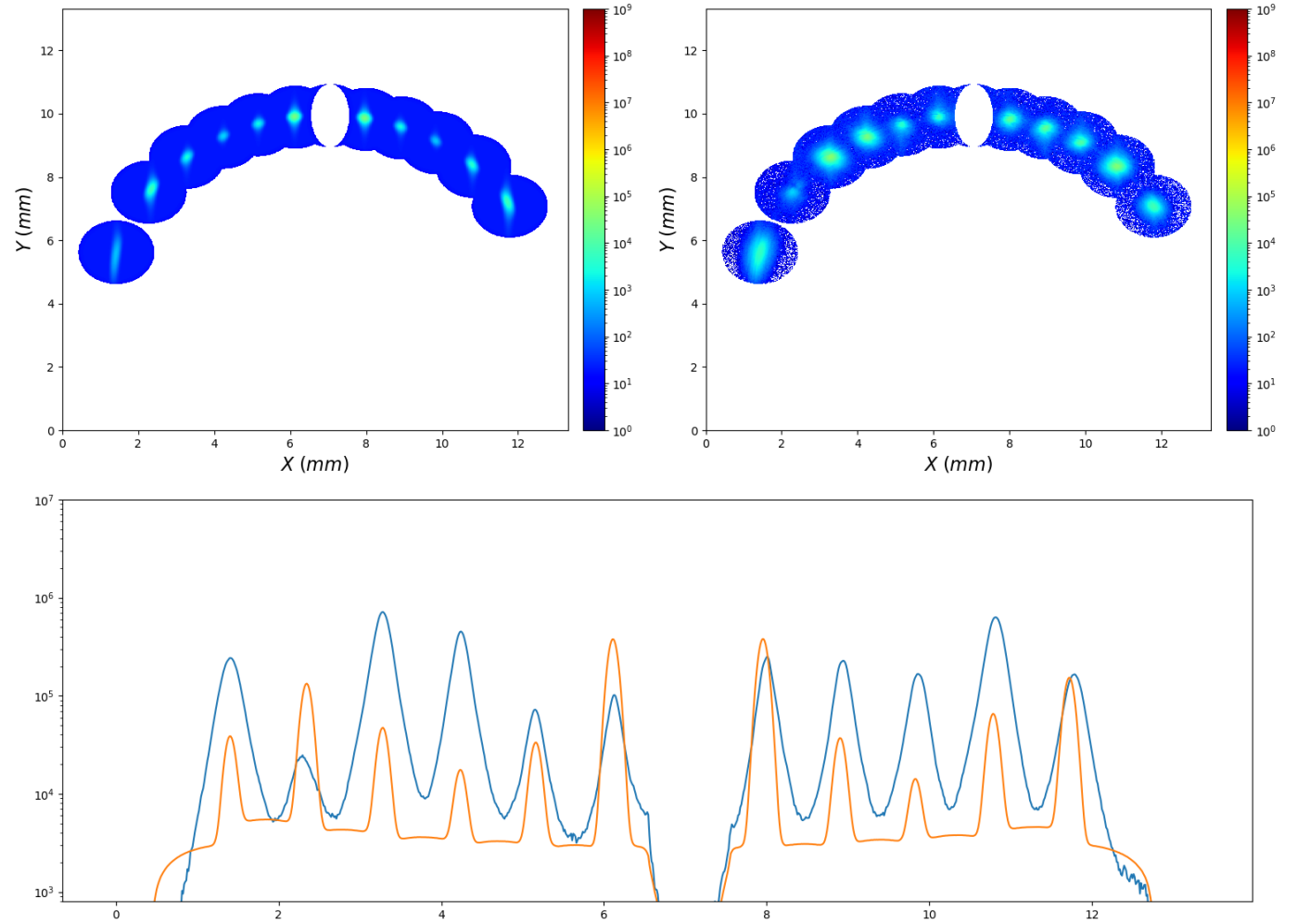


Exp3 sinus

```
SimulationBuilder
m_alpha_inc      5.57
m_beam_data_str  (13.52, 1.00)
m_beam_intensity 500
m_constant_background 20.0
m_monte_carlo    False
m_phi_inc        0
m_resolution_sigma_factor 3.0
m_time_spend     8.10
m_wavelength     13.52000
m_wl_use         False
sim_weight       1.0
```

```
DetectorBuilder
m_beta_b        89.03
m_det_dx        0.0
m_length_ccd    57.45
```

```
SimpleSinusGrating
m_decay_length  2500
m_decay_type    gauss
m_grating_height 165.8
m_grating_length 10000
m_grating_period 831.2
m_grating_width 831.2
m_interftype    1dlattice
m_rotation_angle 0.131
m_rough_corr    10.0
m_rough_hurst   0.5
m_rough_sigma   5.0
m_surface_density 2.000E-04
```

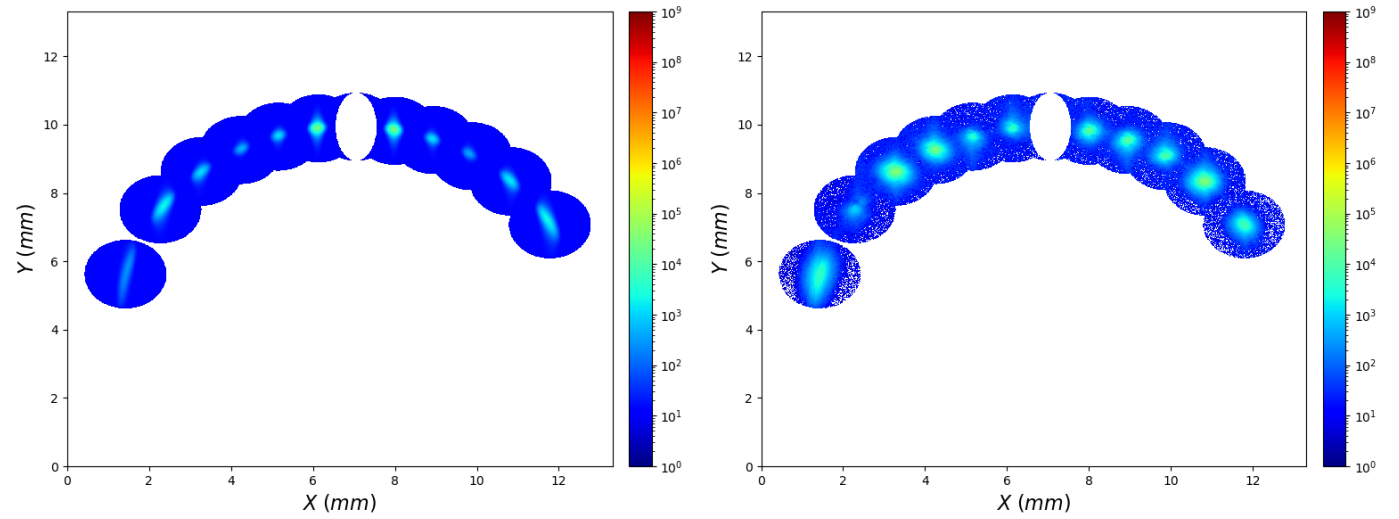


Exp3 sinus (true wavelength)

```
SimulationBuilder
m_alpha_inc      5.57
m_beam_data_str  (13.15, 0.04)(13.17
m_beam_intensity 500
m_constant_background 20.0
m_monte_carlo    False
m_phi_inc        0
m_resolution_sigma_factor 3.0
m_time_spend     8.04
m_wavelength     13.91900
m_wl_use         True
sim_weight       0.02590673575129533
```

```
DetectorBuilder
m_beta_b        89.03
m_det_dx        0.0
m_length_ccd    57.45
```

```
SimpleSinusGrating
m_decay_length  2500
m_decay_type    gauss
m_grating_height 165.8
m_grating_length 10000
m_grating_period 831.2
m_grating_width 831.2
m_interftype    1dlattice
m_rotation_angle 0.131
m_rough_corr    10.0
m_rough_hurst   0.5
m_rough_sigma   5.0
m_surface_density 2.000E-04
```



0.08) (13.7)

