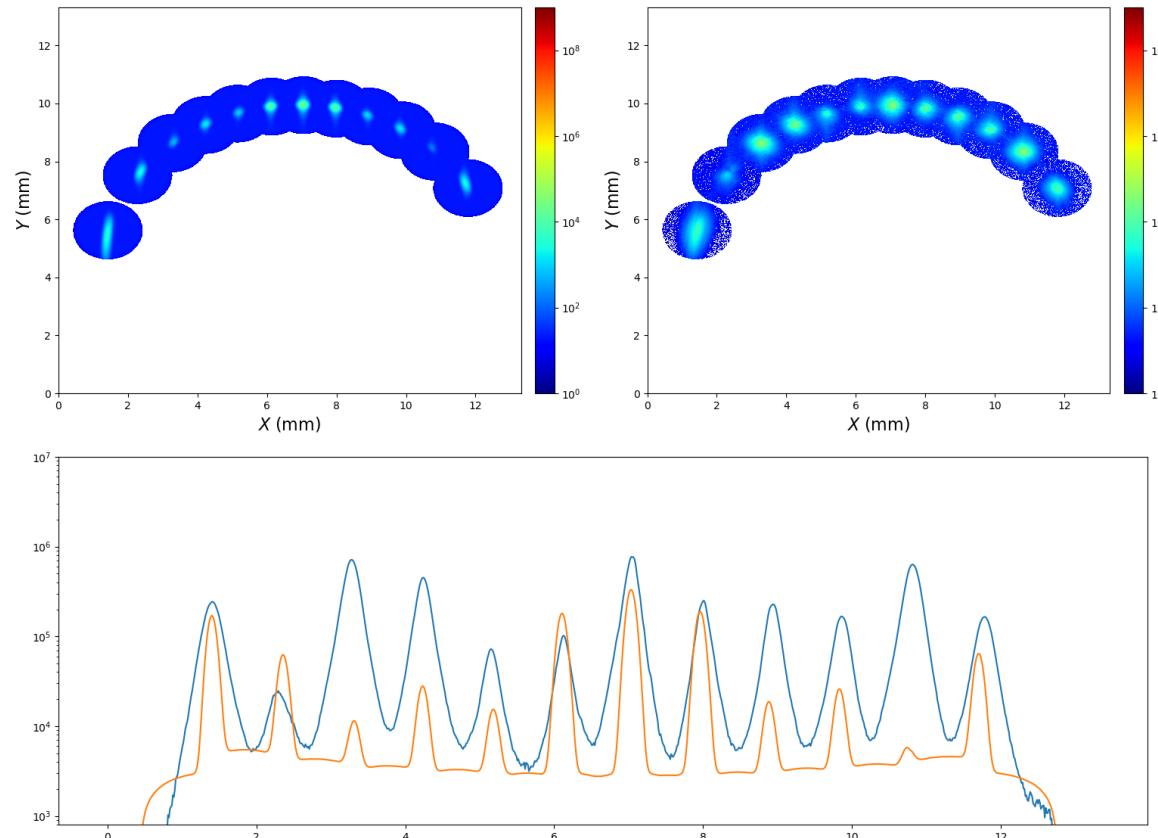


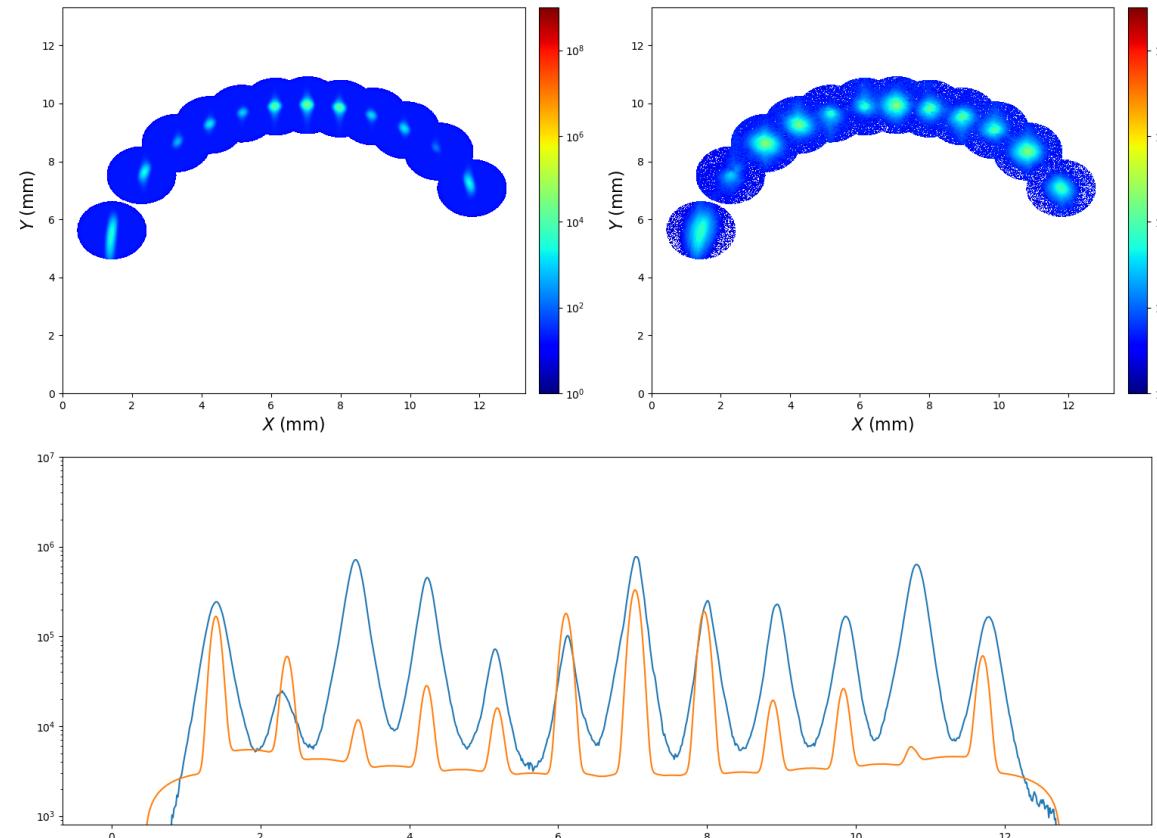
Grating spherical r0

```
{  
    "builder": "SphericalSymGrating",  
    "grating_period": 834.2,  
    "grating_central_part": 400.0,  
    "length": 10000,  
    "r_sigma": 15.0,  
    "r_hurst": 1.0,  
    "r_corr": 20.0,  
    "surface_density": 0.0004,  
    "nslices": 101,  
    "r0": 185.0,  
    "r0_height": 209.6,  
    "r1": 372.0,  
    "bulk": 394.2,  
    "interf": {  
        "type": "idlattice",  
        "decay_type": "gauss",  
        "decay_length": 2500,  
        "variance": 0.1  
    }  
}
```



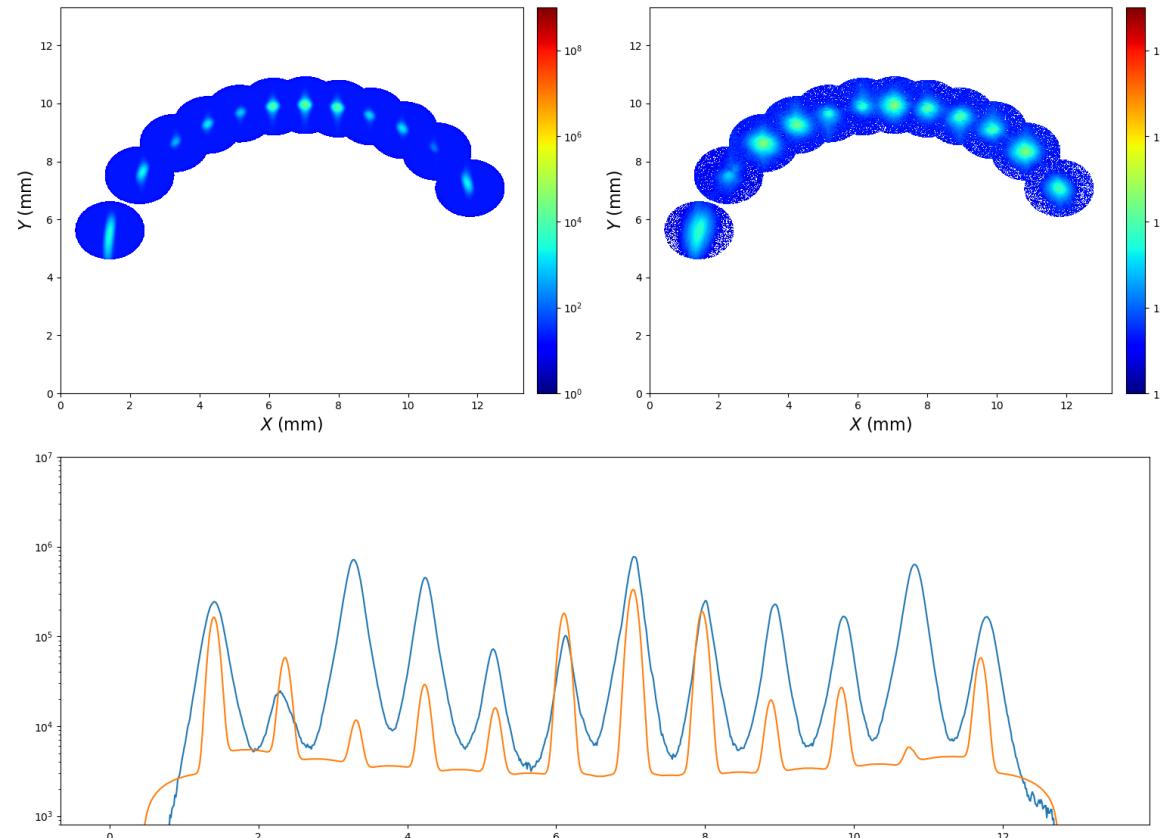
Grating spherical r0

```
{  
    "builder": "SphericalSymGrating",  
    "grating_period": 834.2,  
    "grating_central_part": 400.0,  
    "length": 10000,  
    "r_sigma": 15.0,  
    "r_hurst": 1.0,  
    "r_corr": 20.0,  
    "surface_density": 0.0004,  
    "nslices": 101,  
    "r0": 187.0,  
    "r0_height": 209.6,  
    "r1": 372.0,  
    "bulk": 394.2,  
    "interf": {  
        "type": "idlattice",  
        "decay_type": "gauss",  
        "decay_length": 2500,  
        "variance": 0.1  
    }  
}
```



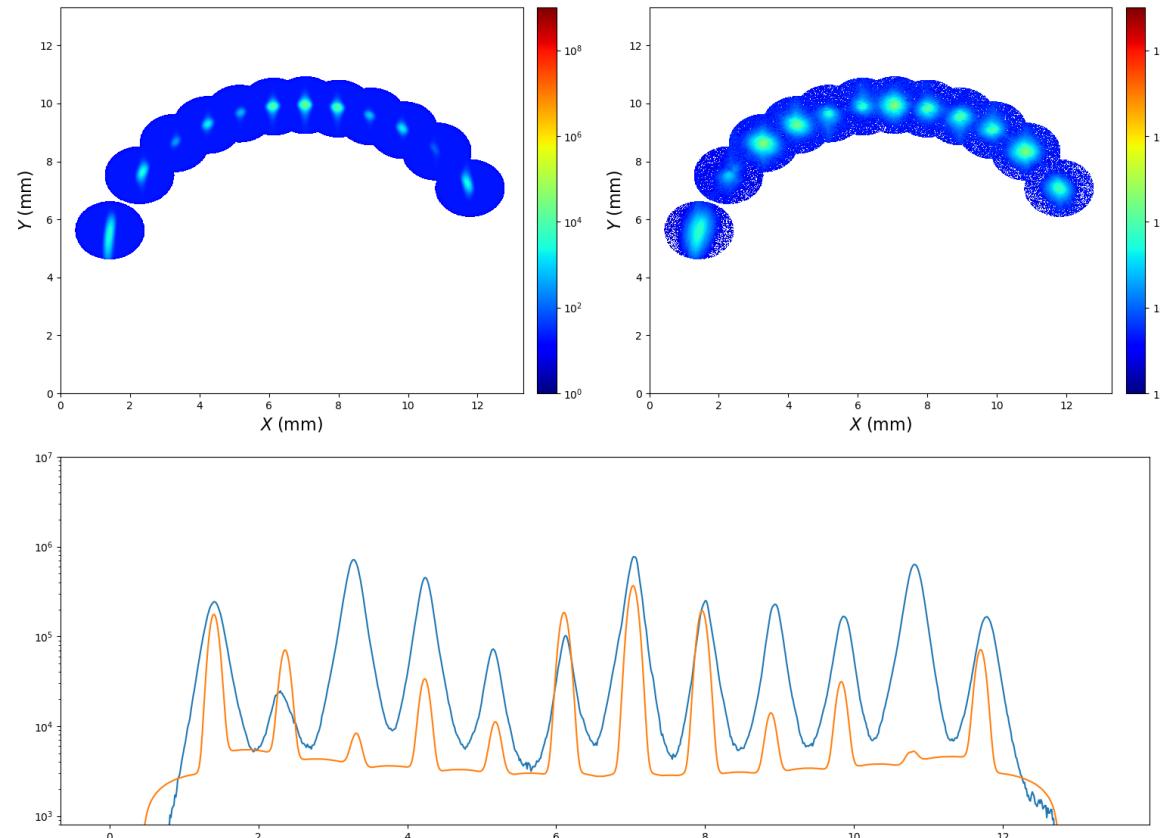
Grating spherical r0

```
{  
    "builder": "SphericalSymGrating",  
    "grating_period": 834.2,  
    "grating_central_part": 400.0,  
    "length": 10000,  
    "r_sigma": 15.0,  
    "r_hurst": 1.0,  
    "r_corr": 20.0,  
    "surface_density": 0.0004,  
    "nslices": 101,  
    "r0": 189.0,  
    "r0_height": 209.6,  
    "r1": 372.0,  
    "bulk": 394.2,  
    "interf": {  
        "type": "idlattice",  
        "decay_type": "gauss",  
        "decay_length": 2500,  
        "variance": 0.1  
    }  
}
```



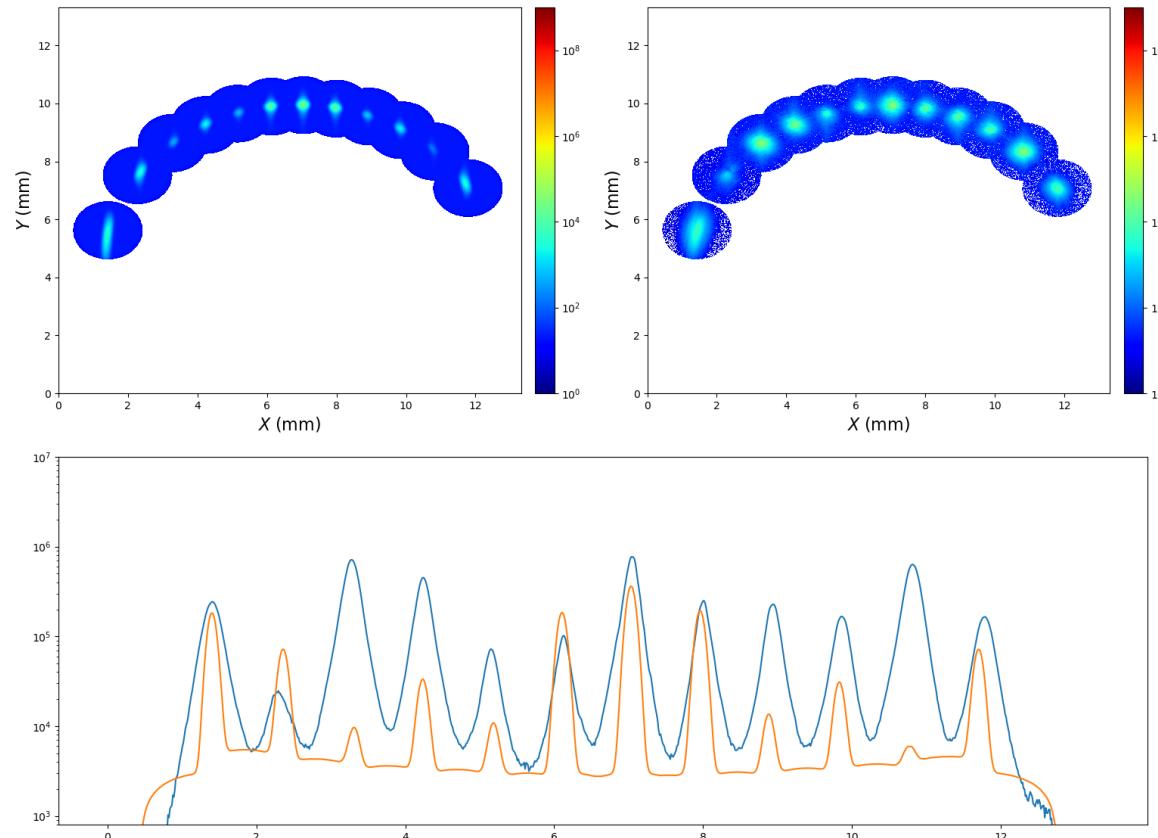
Grating spherical r0

```
{  
    "builder": "SphericalSymGrating",  
    "grating_period": 834.2,  
    "grating_central_part": 400.0,  
    "length": 10000,  
    "r_sigma": 15.0,  
    "r_hurst": 1.0,  
    "r_corr": 20.0,  
    "surface_density": 0.0004,  
    "nslices": 101,  
    "r0": 191.0,  
    "r0_height": 209.6,  
    "r1": 372.0,  
    "bulk": 394.2,  
    "interf": {  
        "type": "idlattice",  
        "decay_type": "gauss",  
        "decay_length": 2500,  
        "variance": 0.1  
    }  
}
```



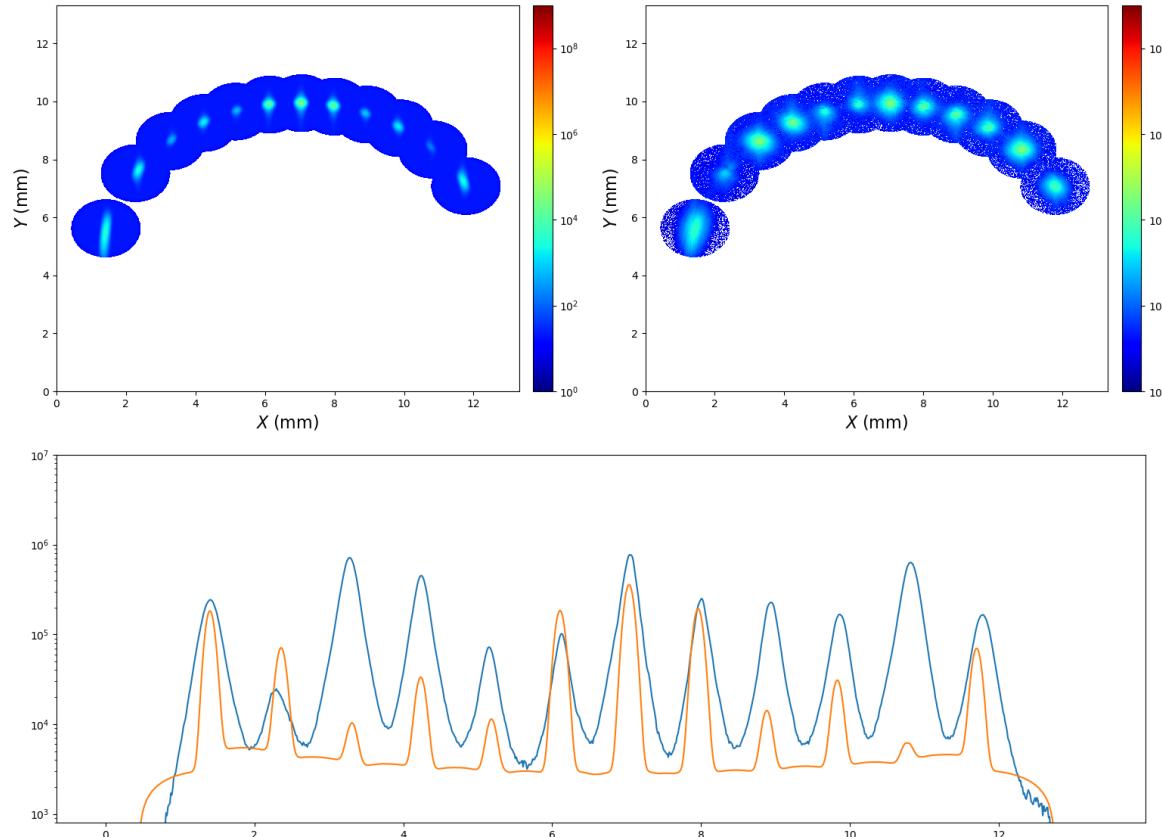
Grating spherical r0

```
{  
    "builder": "SphericalSymGrating",  
    "grating_period": 834.2,  
    "grating_central_part": 400.0,  
    "length": 10000,  
    "r_sigma": 15.0,  
    "r_hurst": 1.0,  
    "r_corr": 20.0,  
    "surface_density": 0.0004,  
    "nslices": 101,  
    "r0": 193.0,  
    "r0_height": 209.6,  
    "r1": 372.0,  
    "bulk": 394.2,  
    "interf": {  
        "type": "idlattice",  
        "decay_type": "gauss",  
        "decay_length": 2500,  
        "variance": 0.1  
    }  
}
```



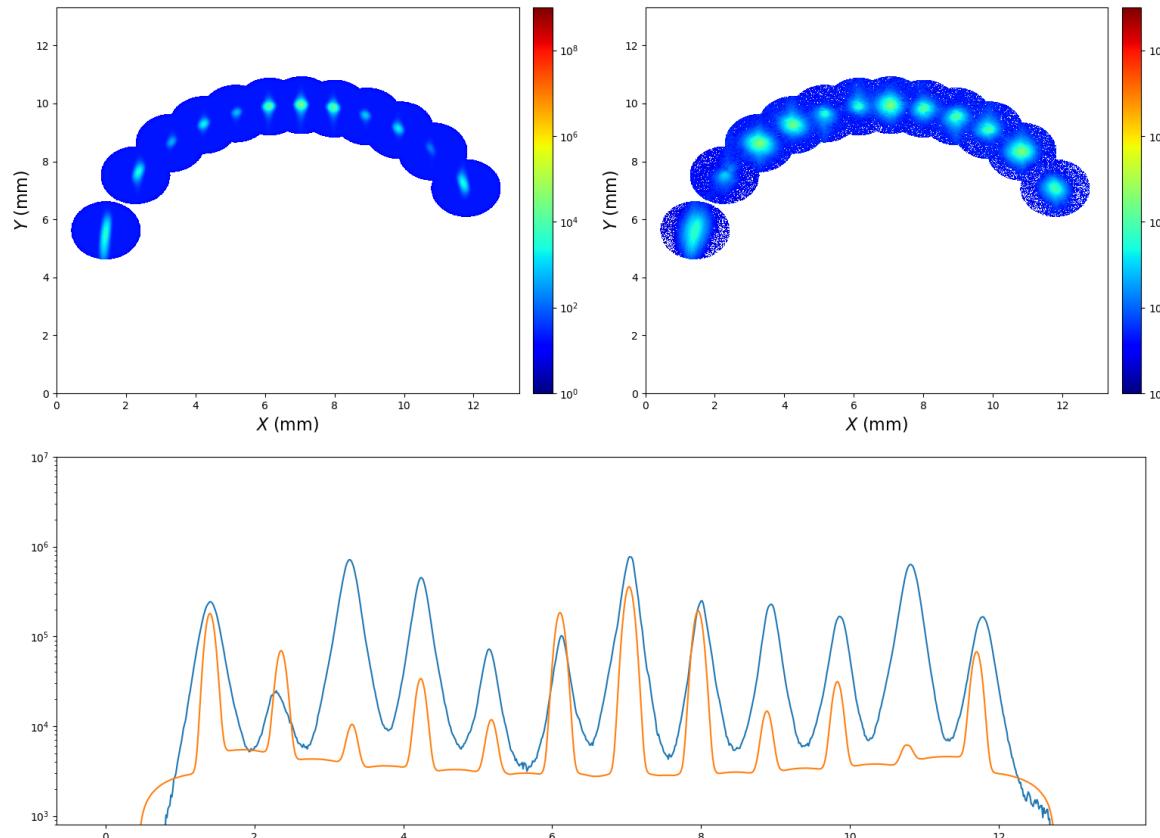
Grating spherical r0

```
{  
    "builder": "SphericalSymGrating",  
    "grating_period": 834.2,  
    "grating_central_part": 400.0,  
    "length": 10000,  
    "r_sigma": 15.0,  
    "r_hurst": 1.0,  
    "r_corr": 20.0,  
    "surface_density": 0.0004,  
    "nslices": 101,  
    "r0": 195.0,  
    "r0_height": 209.6,  
    "r1": 372.0,  
    "bulk": 394.2,  
    "interf": {  
        "type": "idlattice",  
        "decay_type": "gauss",  
        "decay_length": 2500,  
        "variance": 0.1  
    }  
}
```



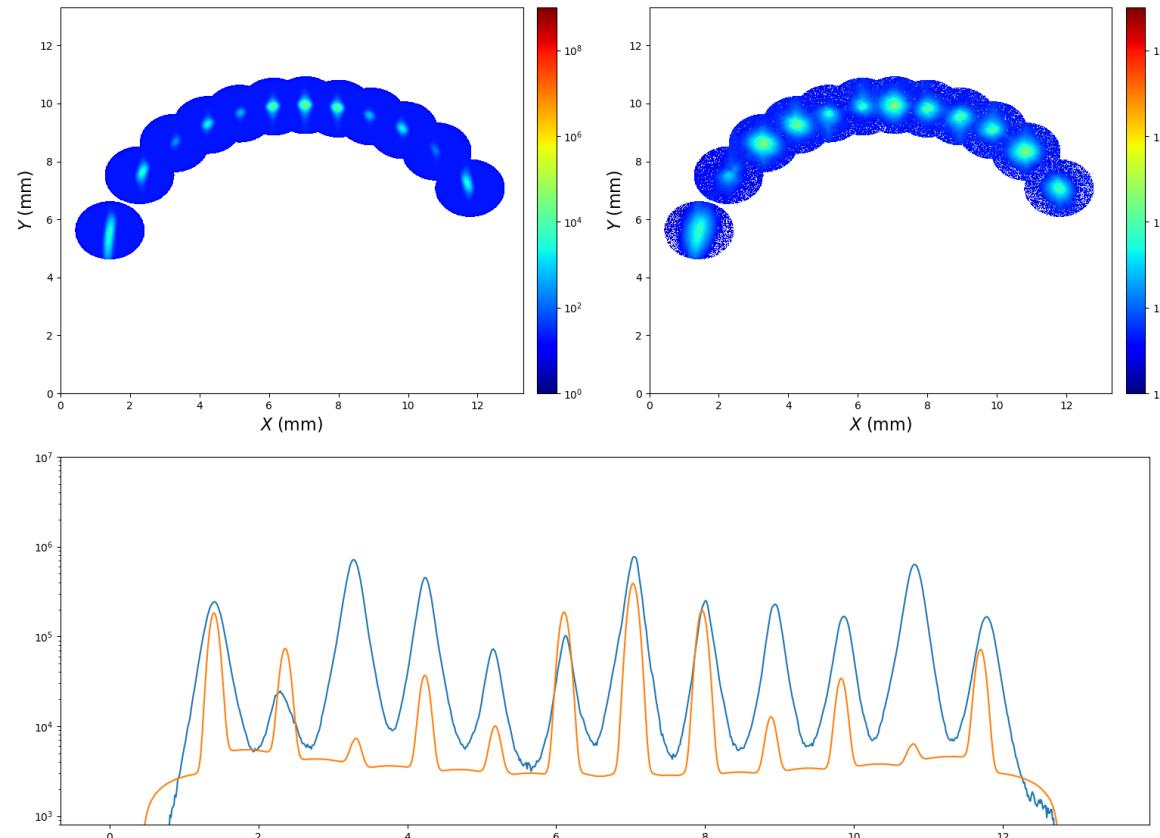
Grating spherical r0

```
{  
    "builder": "SphericalSymGrating",  
    "grating_period": 834.2,  
    "grating_central_part": 400.0,  
    "length": 10000,  
    "r_sigma": 15.0,  
    "r_hurst": 1.0,  
    "r_corr": 20.0,  
    "surface_density": 0.0004,  
    "nslices": 101,  
    "r0": 197.0,  
    "r0_height": 209.6,  
    "r1": 372.0,  
    "bulk": 394.2,  
    "interf": {  
        "type": "idlattice",  
        "decay_type": "gauss",  
        "decay_length": 2500,  
        "variance": 0.1  
    }  
}
```



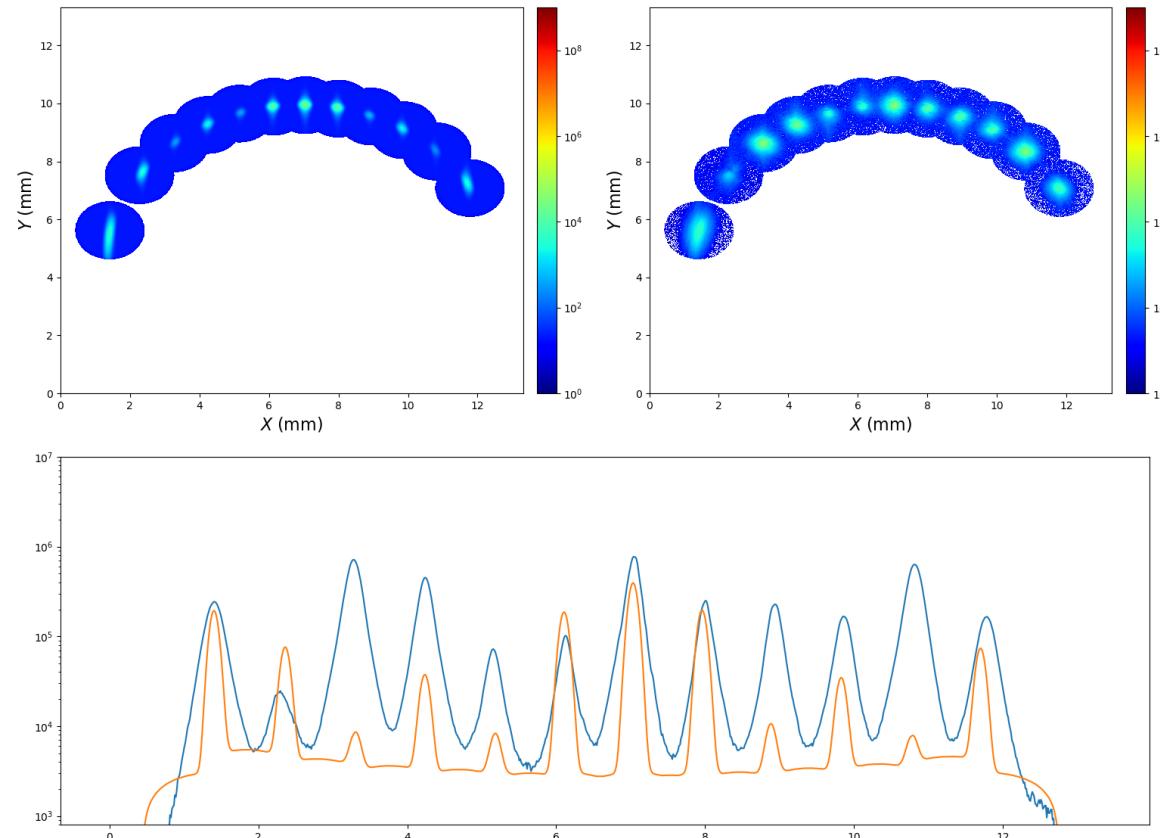
Grating spherical r0

```
{  
    "builder": "SphericalSymGrating",  
    "grating_period": 834.2,  
    "grating_central_part": 400.0,  
    "length": 10000,  
    "r_sigma": 15.0,  
    "r_hurst": 1.0,  
    "r_corr": 20.0,  
    "surface_density": 0.0004,  
    "nslices": 101,  
    "r0": 199.0,  
    "r0_height": 209.6,  
    "r1": 372.0,  
    "bulk": 394.2,  
    "interf": {  
        "type": "idlattice",  
        "decay_type": "gauss",  
        "decay_length": 2500,  
        "variance": 0.1  
    }  
}
```



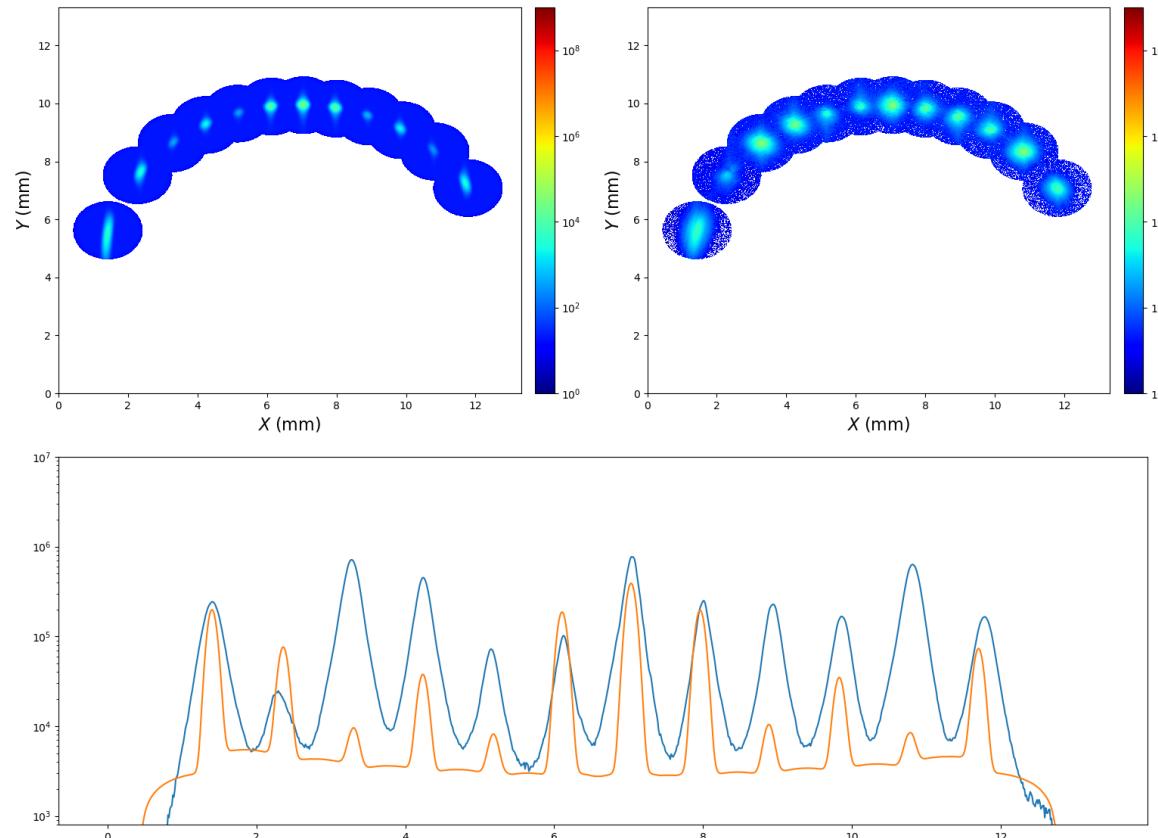
Grating spherical r0

```
{  
    "builder": "SphericalSymGrating",  
    "grating_period": 834.2,  
    "grating_central_part": 400.0,  
    "length": 10000,  
    "r_sigma": 15.0,  
    "r_hurst": 1.0,  
    "r_corr": 20.0,  
    "surface_density": 0.0004,  
    "nslices": 101,  
    "r0": 201.0,  
    "r0_height": 209.6,  
    "r1": 372.0,  
    "bulk": 394.2,  
    "interf": {  
        "type": "idlattice",  
        "decay_type": "gauss",  
        "decay_length": 2500,  
        "variance": 0.1  
    }  
}
```



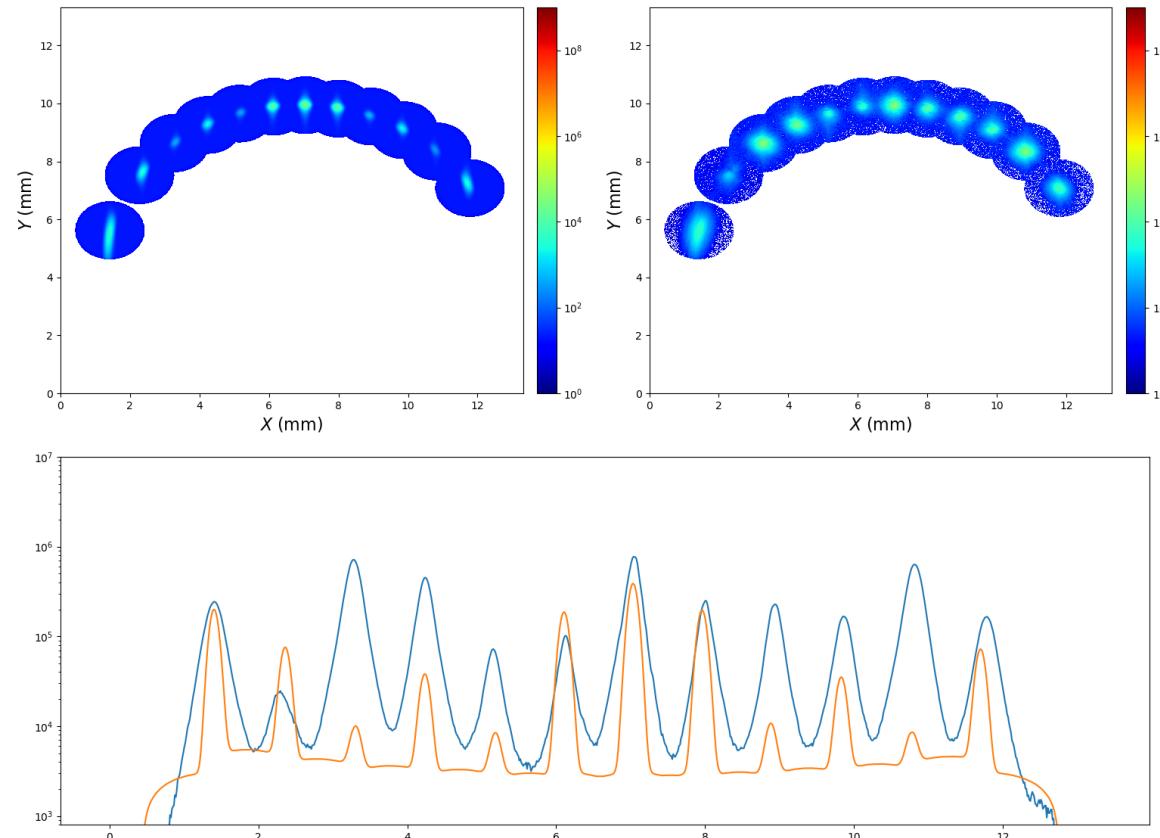
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 203.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



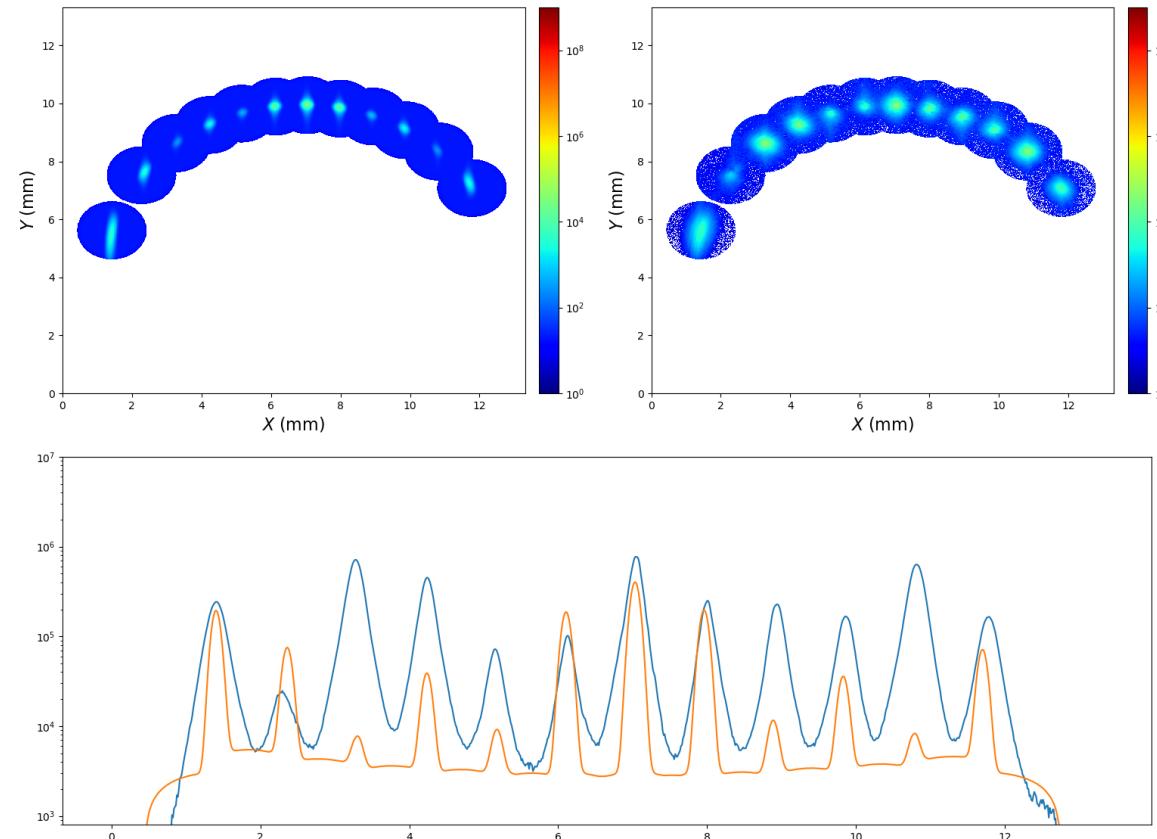
Grating spherical r0

```
{  
    "builder": "SphericalSymGrating",  
    "grating_period": 834.2,  
    "grating_central_part": 400.0,  
    "length": 10000,  
    "r_sigma": 15.0,  
    "r_hurst": 1.0,  
    "r_corr": 20.0,  
    "surface_density": 0.0004,  
    "nslices": 101,  
    "r0": 205.0,  
    "r0_height": 209.6,  
    "r1": 372.0,  
    "bulk": 394.2,  
    "interf": {  
        "type": "idlattice",  
        "decay_type": "gauss",  
        "decay_length": 2500,  
        "variance": 0.1  
    }  
}
```



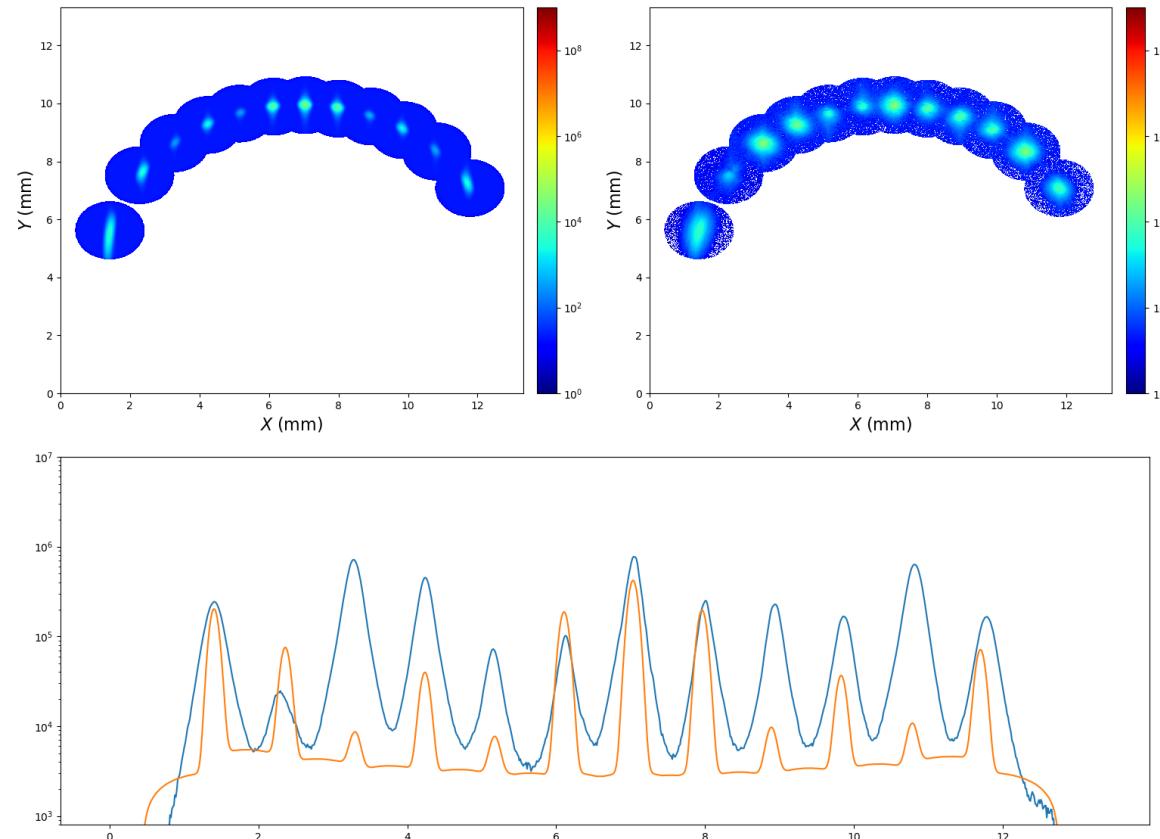
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 207.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



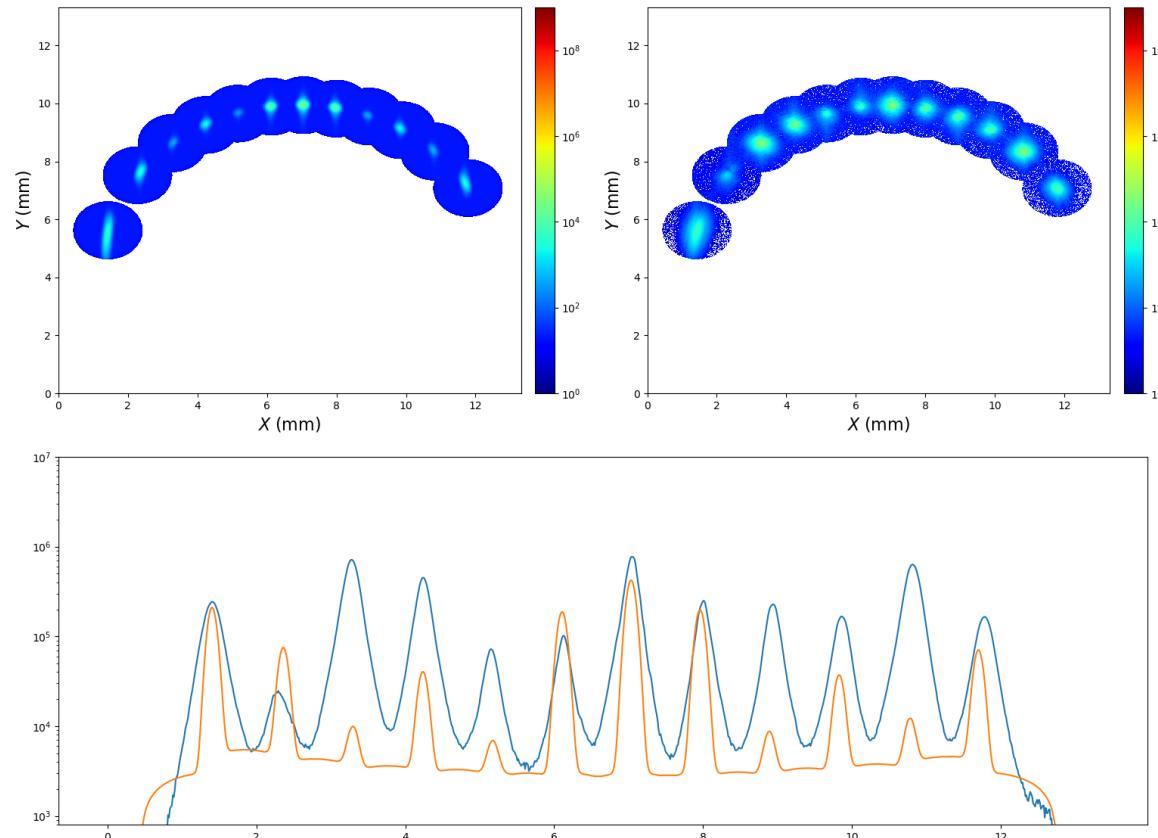
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 209.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



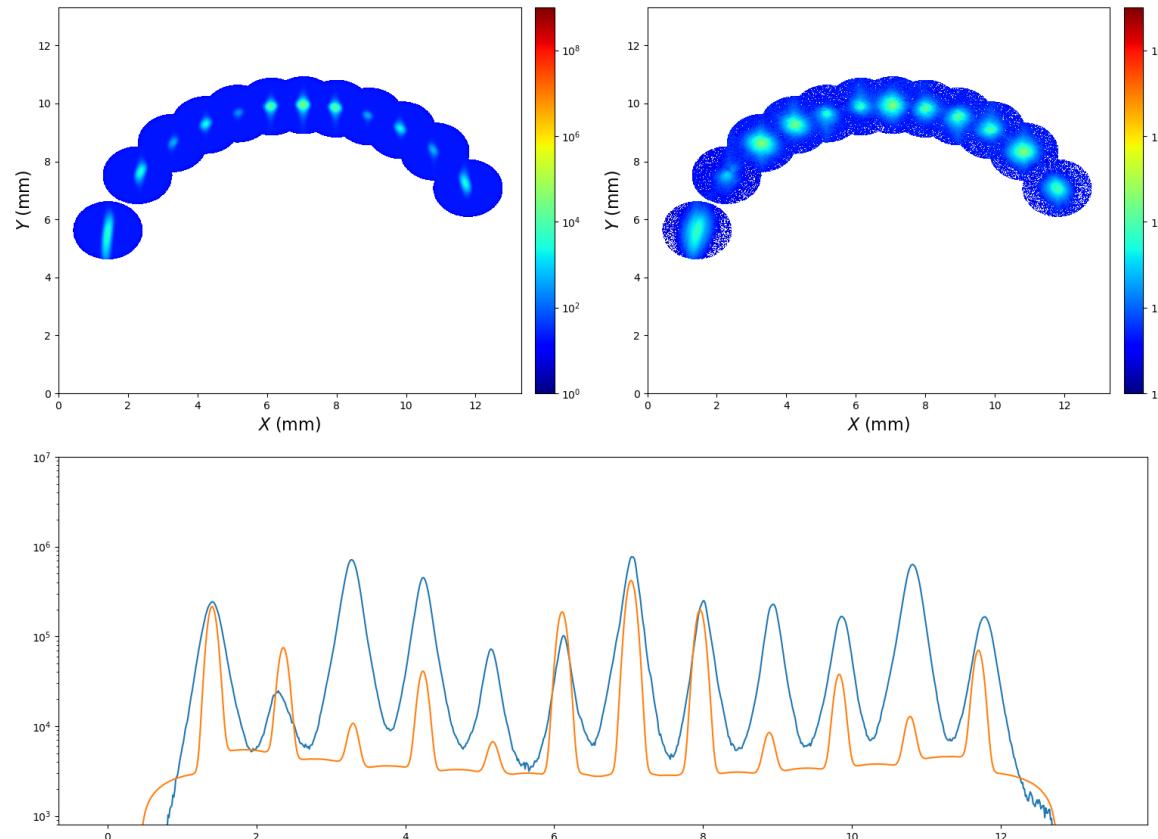
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 211.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



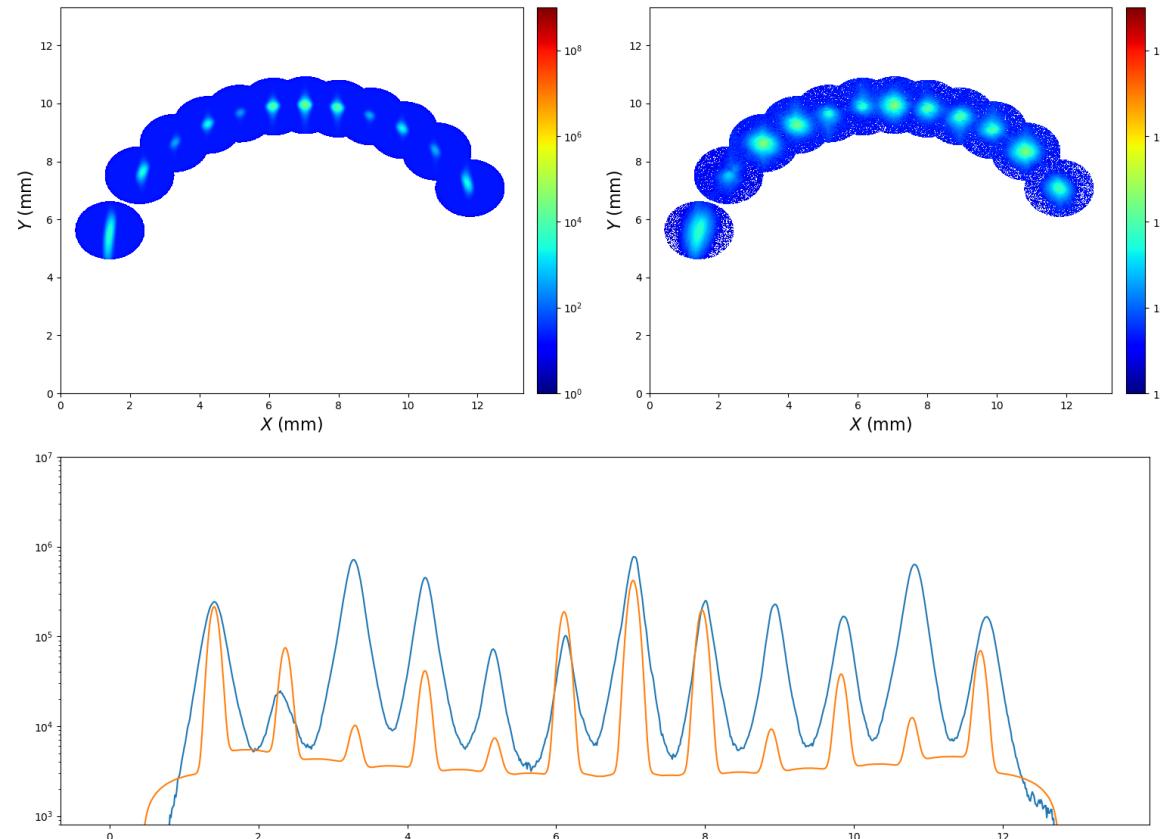
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 213.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



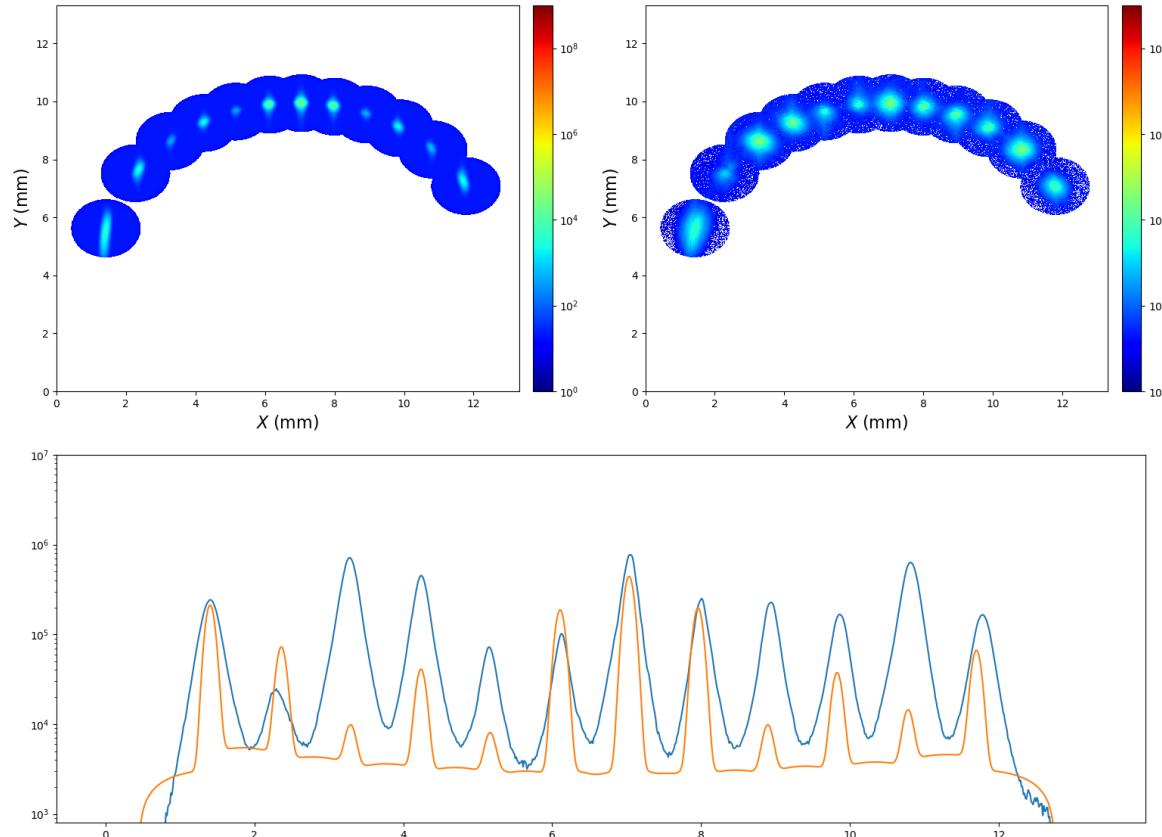
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 215.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



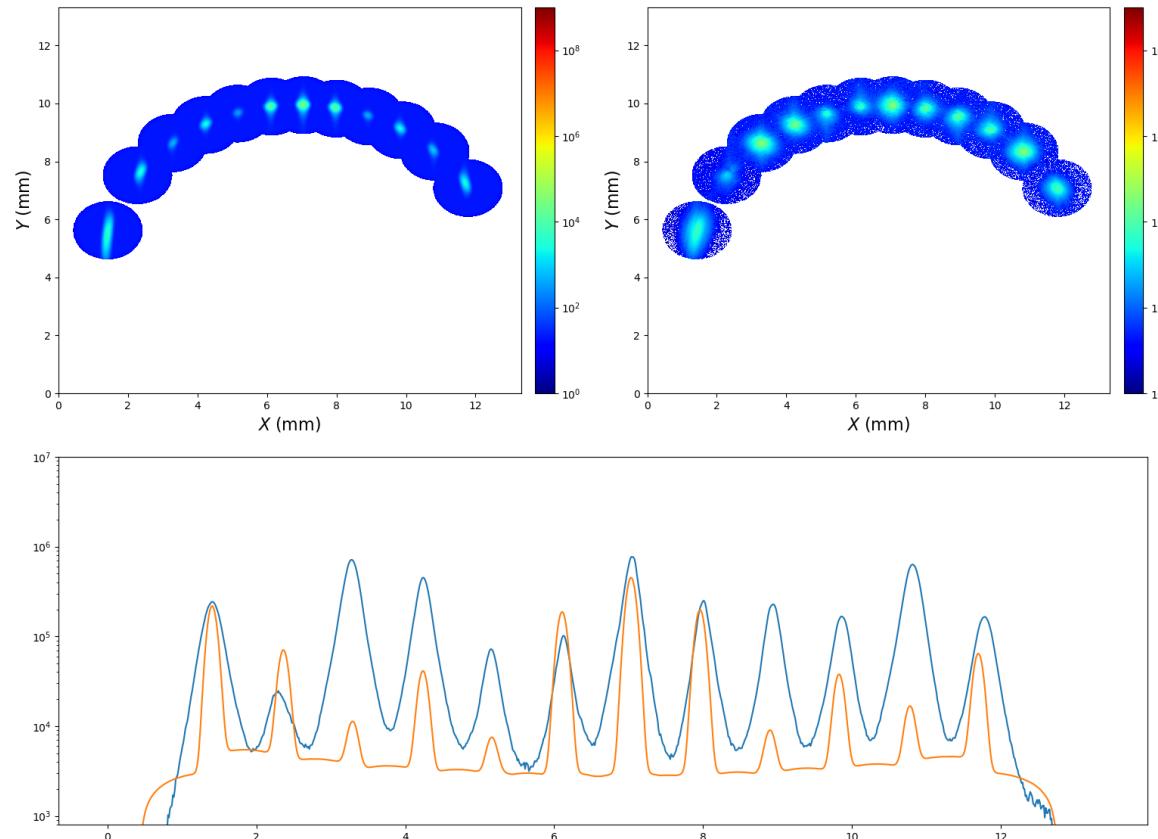
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 217.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



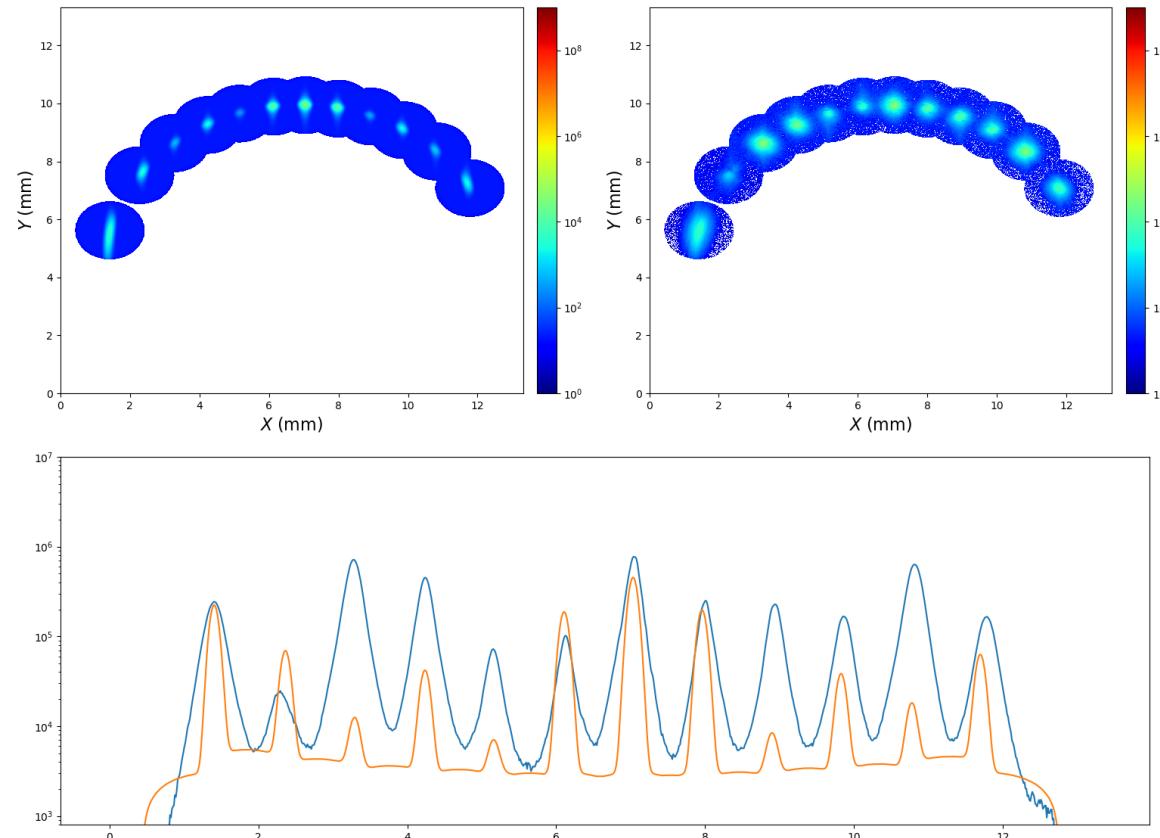
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 219.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



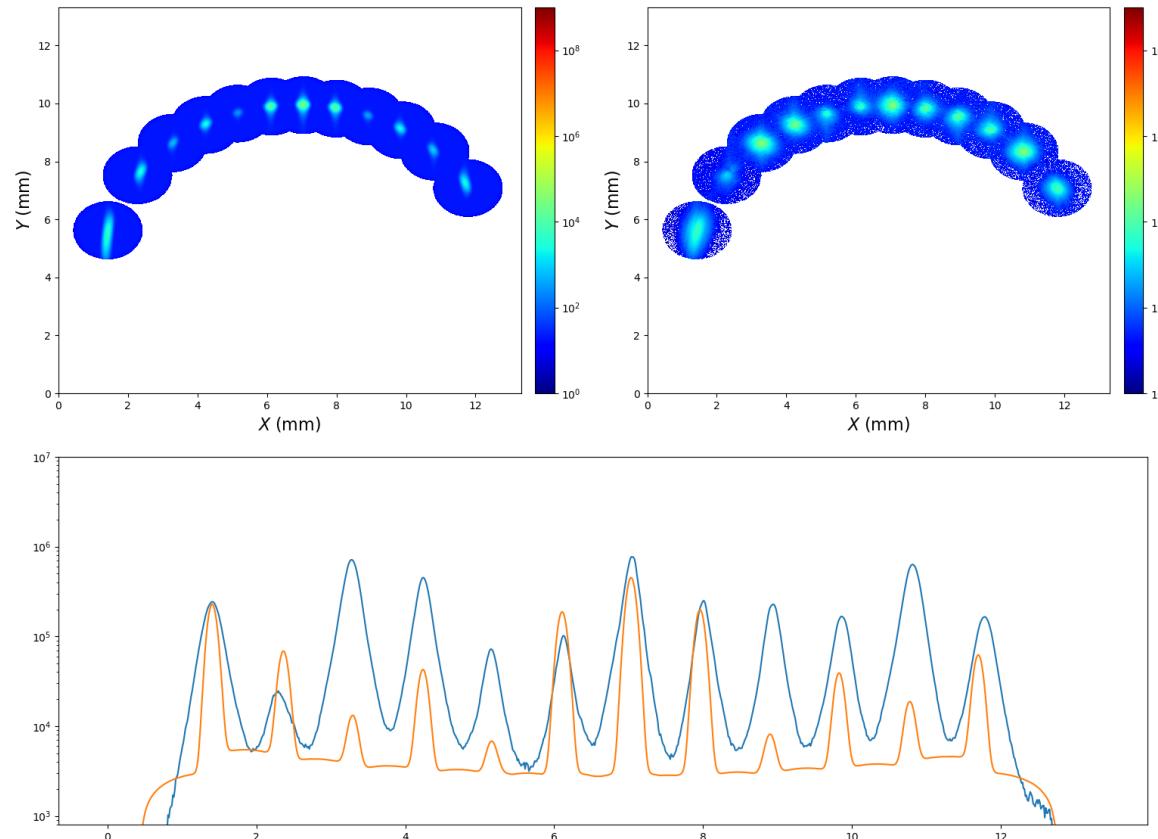
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 221.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



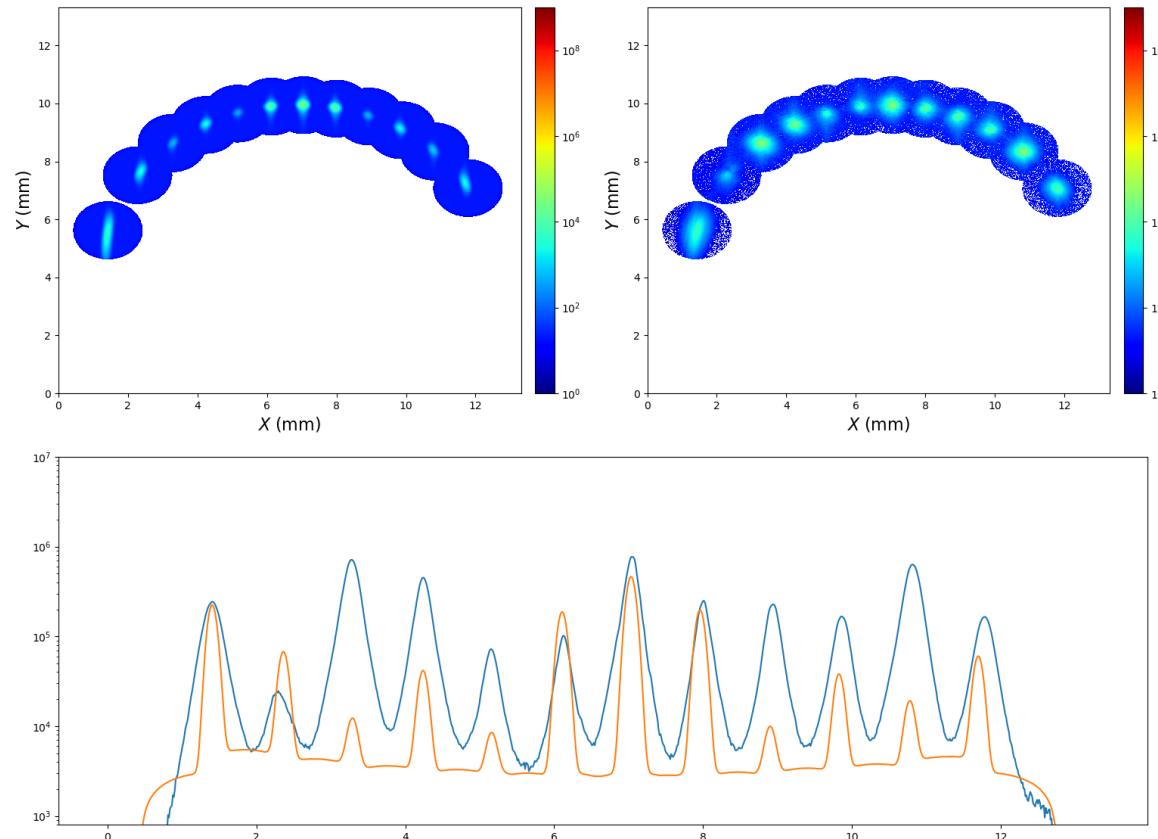
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 223.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



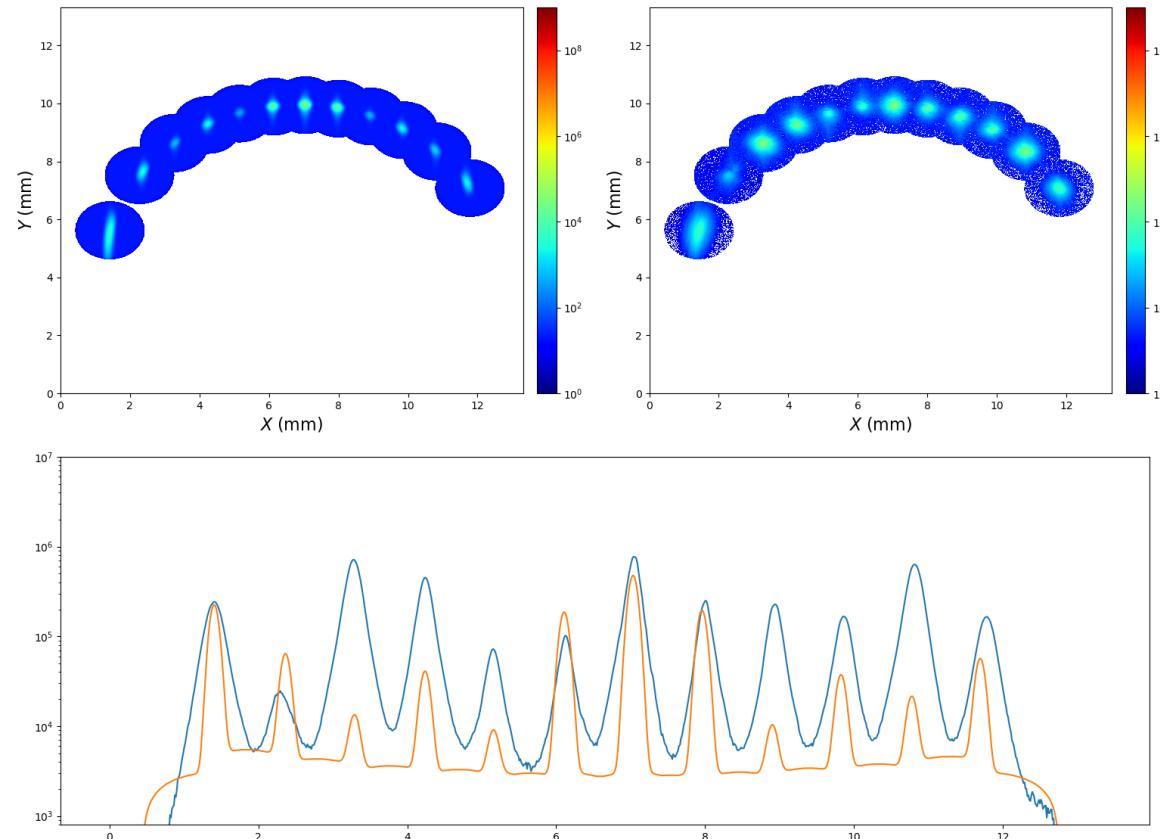
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 225.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



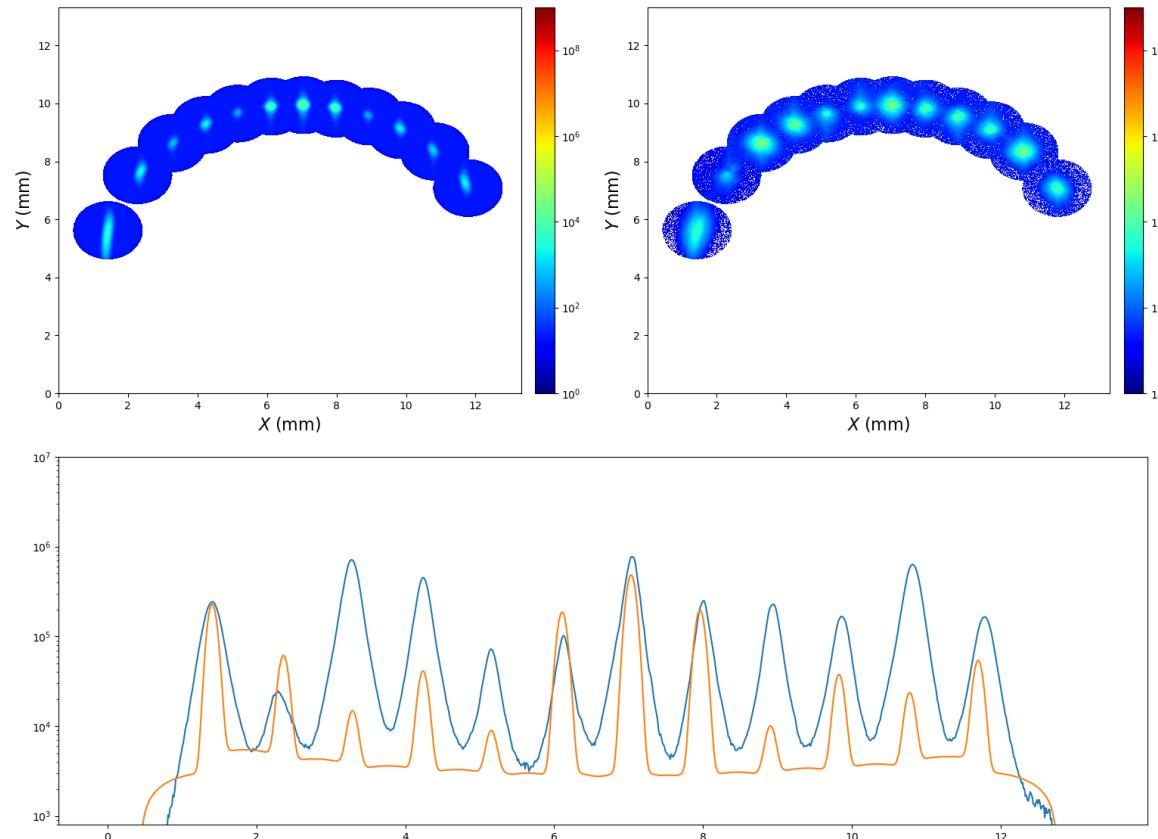
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 227.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



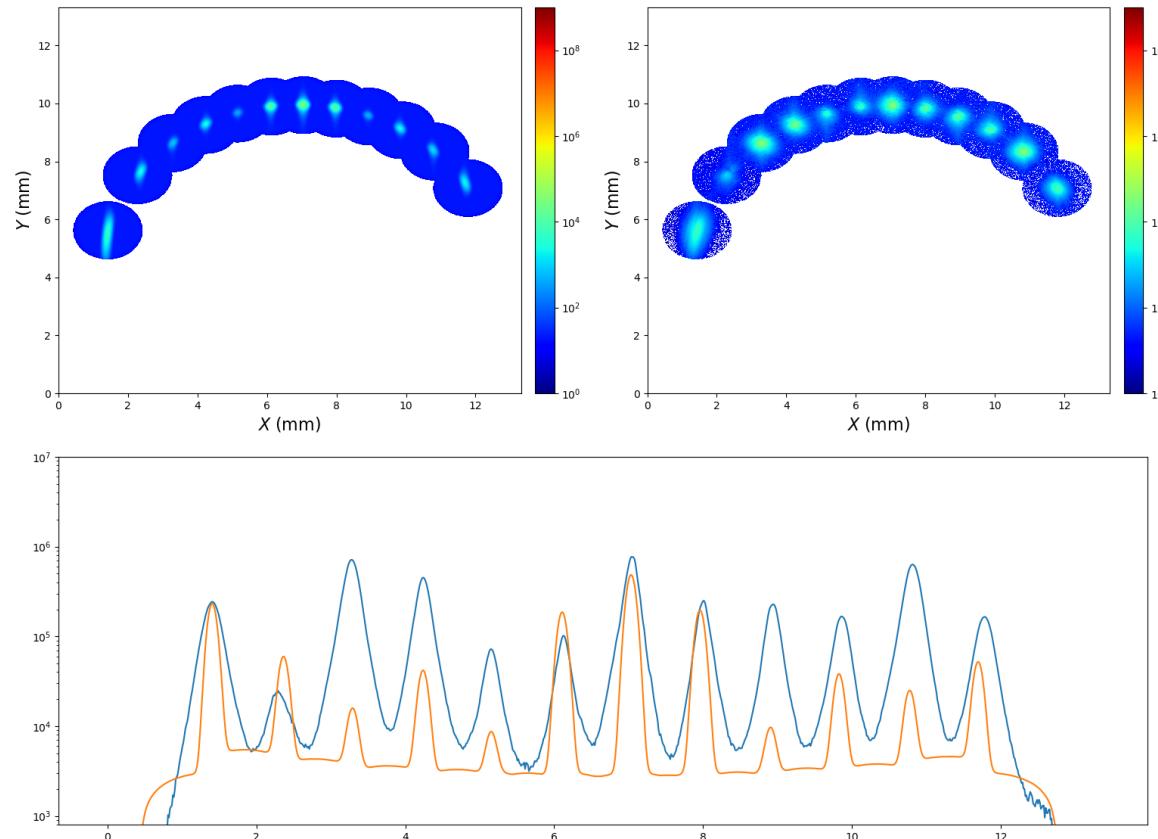
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 229.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



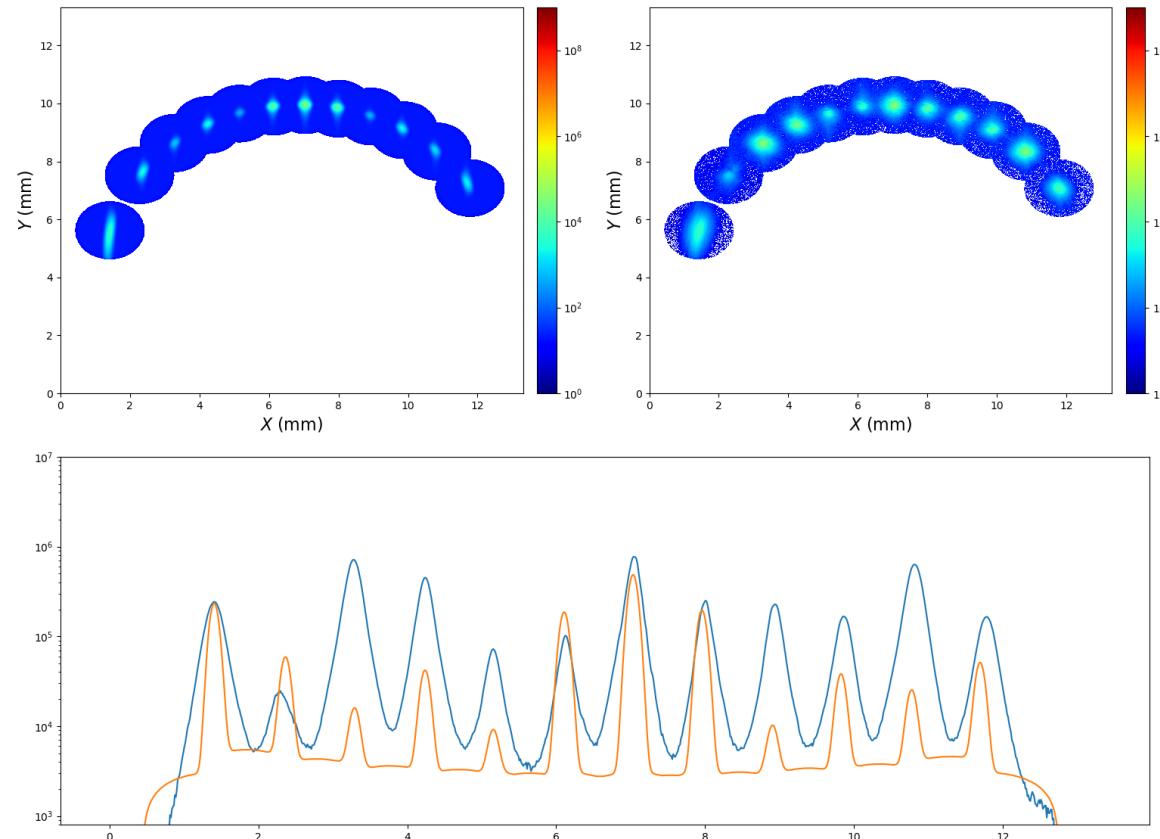
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 231.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



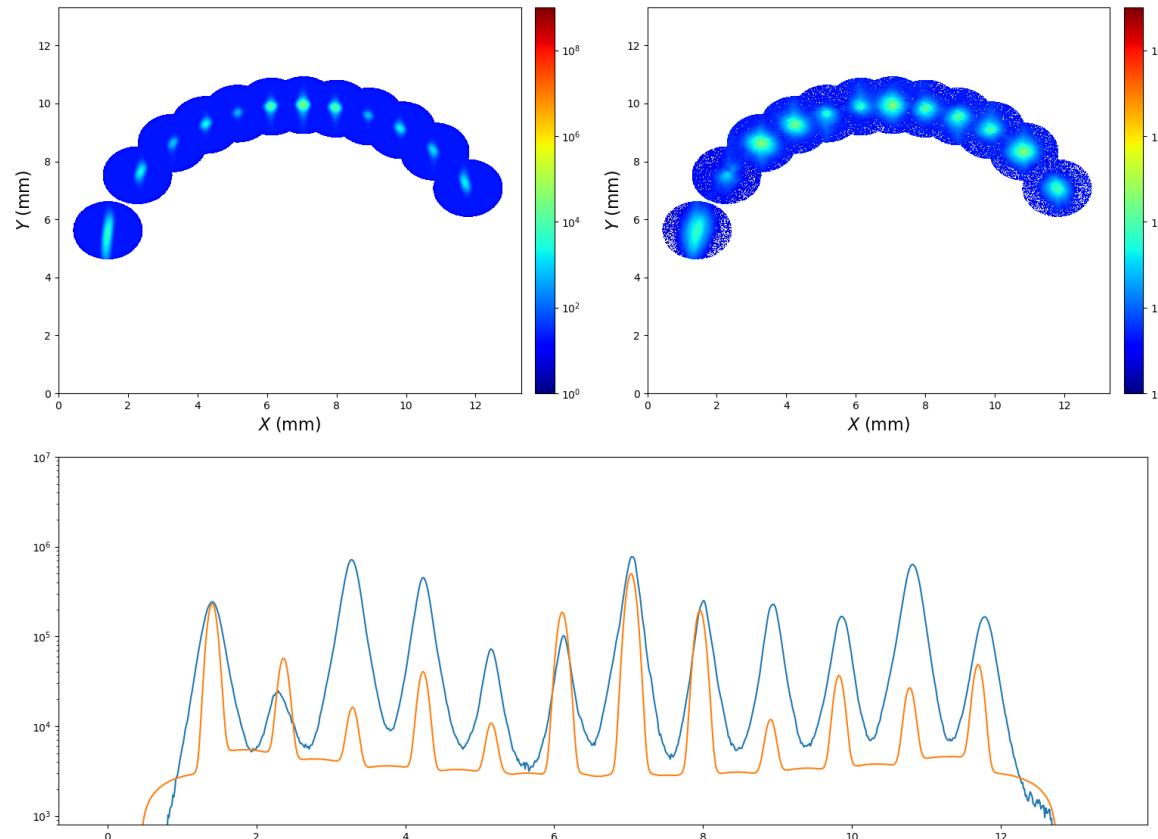
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 233.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



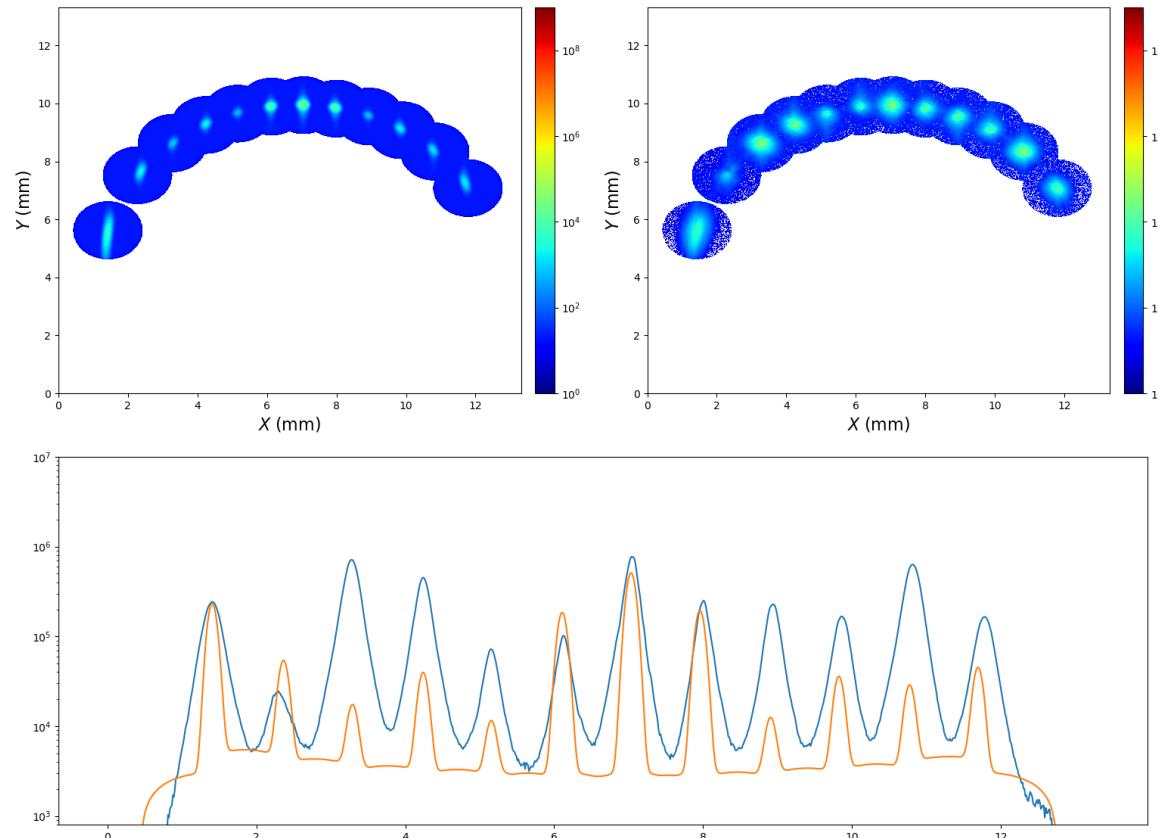
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 235.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



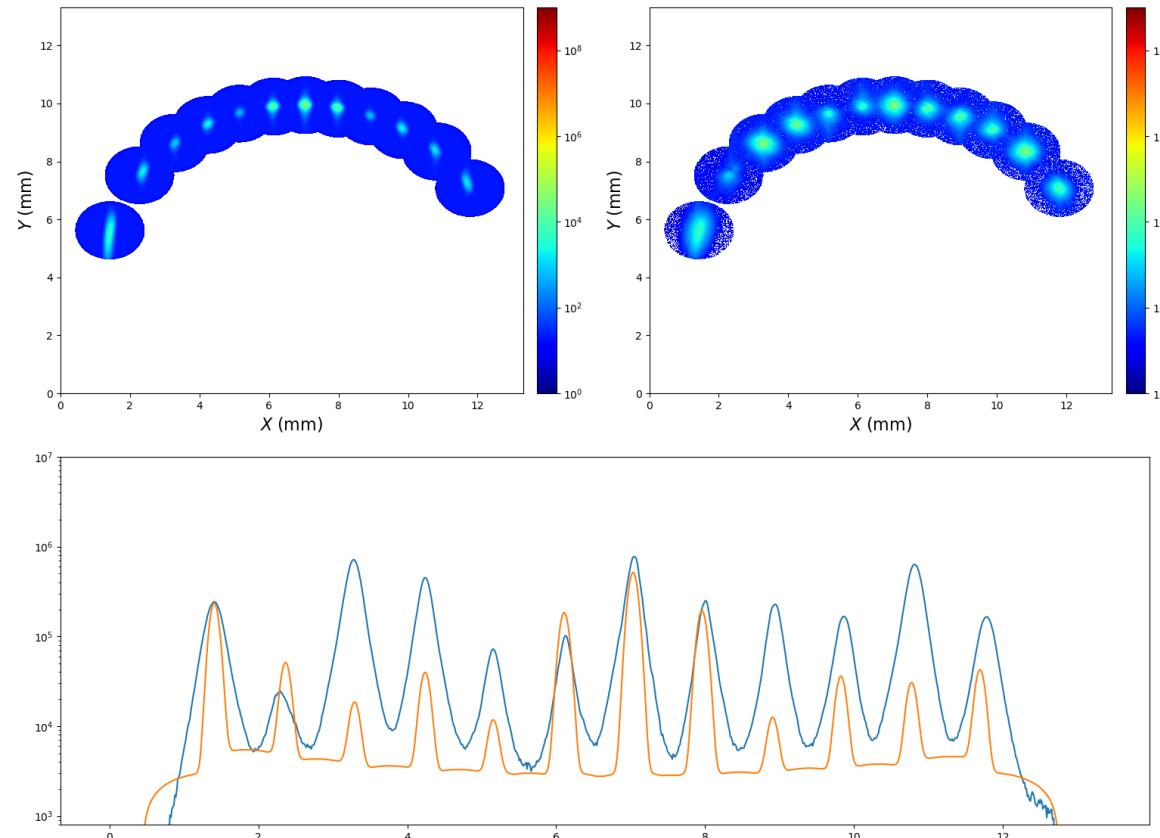
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 237.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



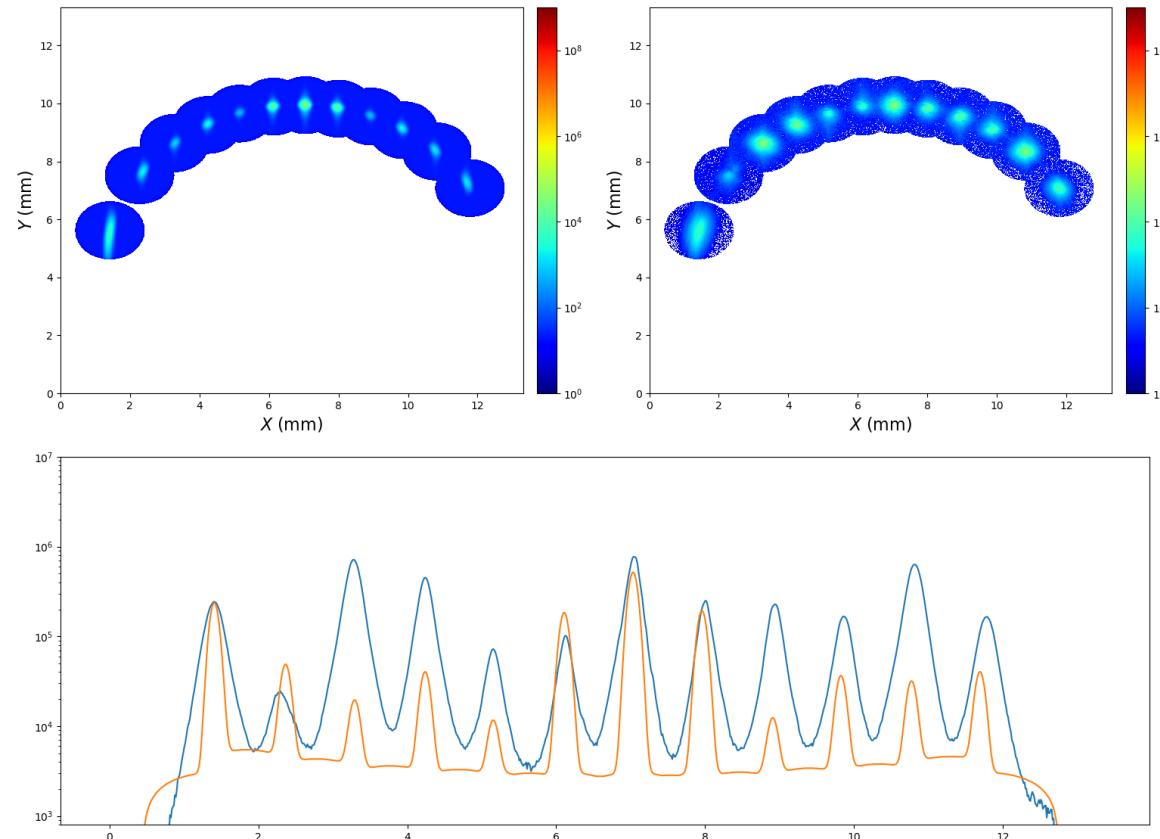
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 239.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



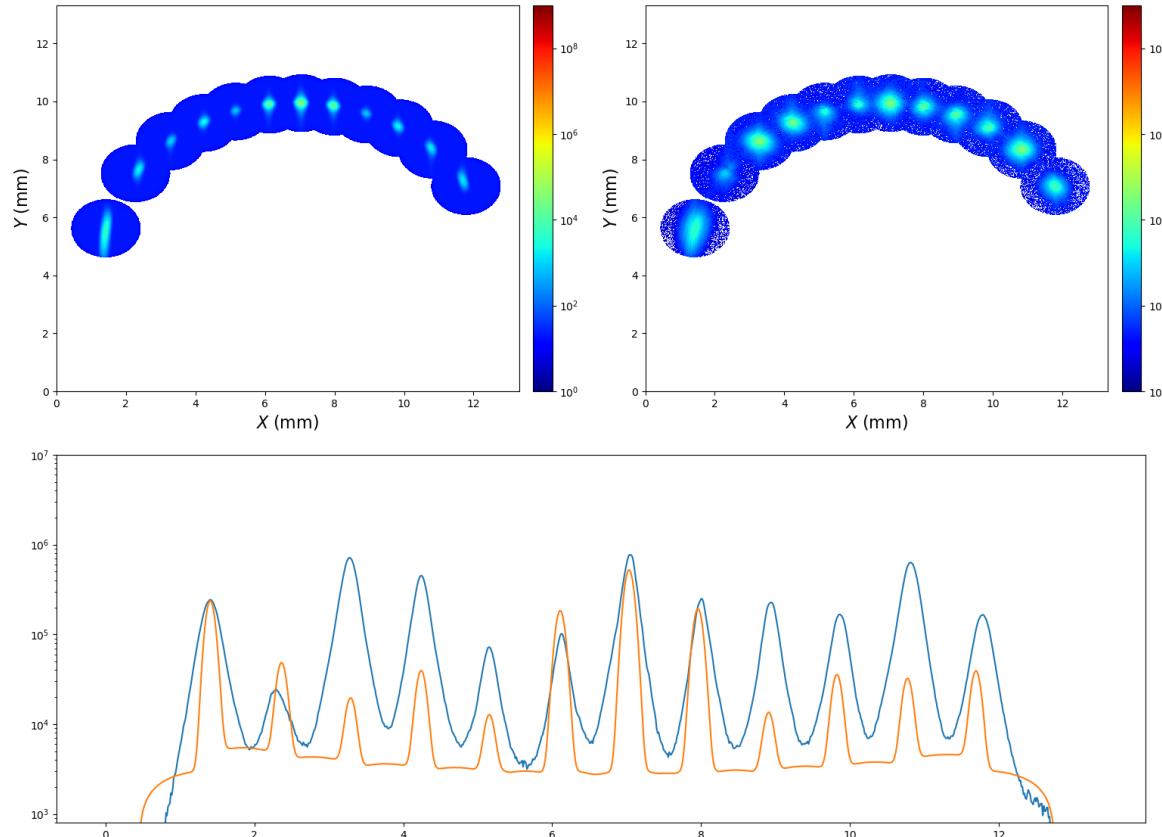
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 241.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



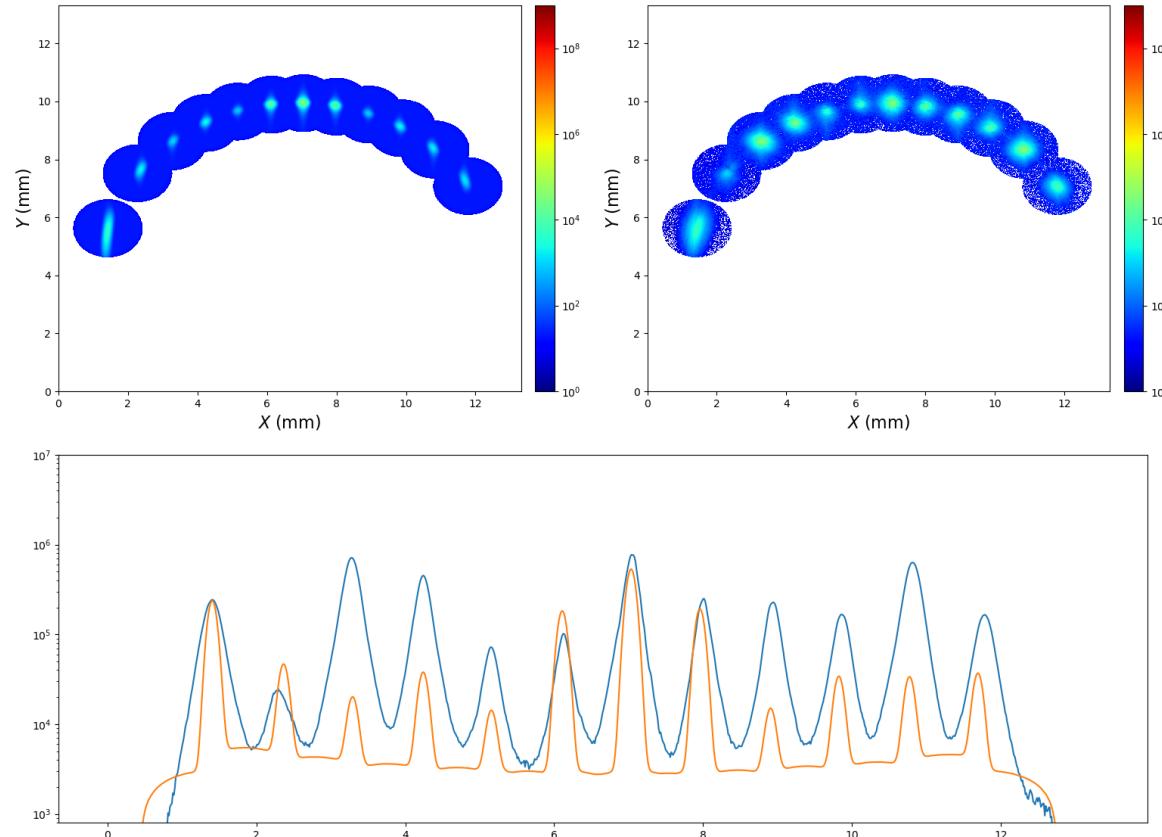
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 243.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



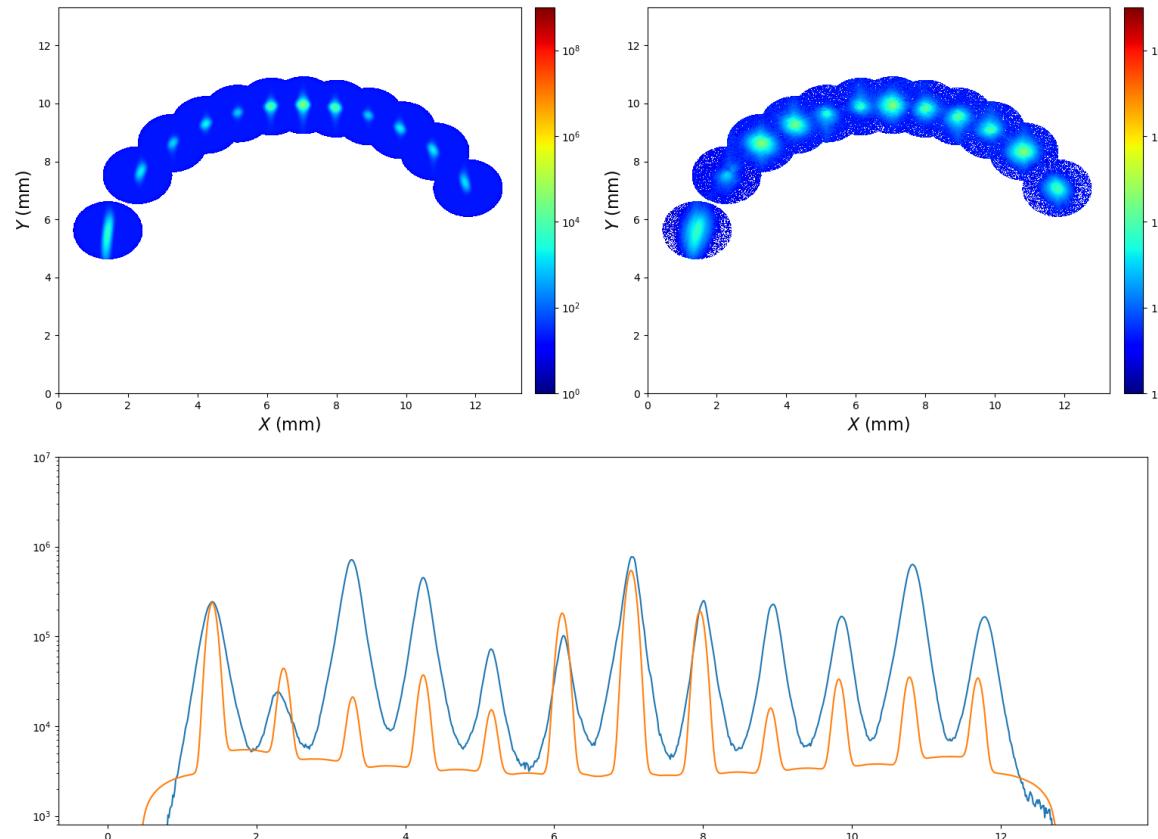
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 245.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



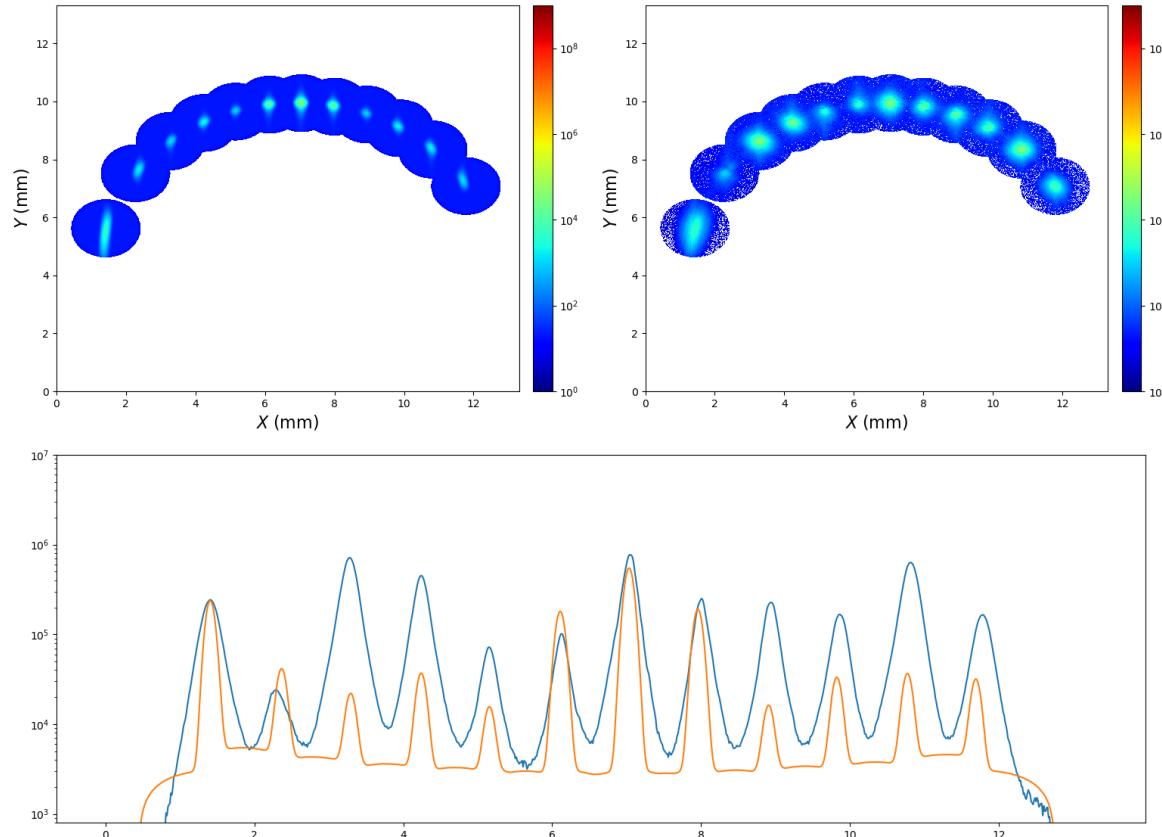
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 247.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



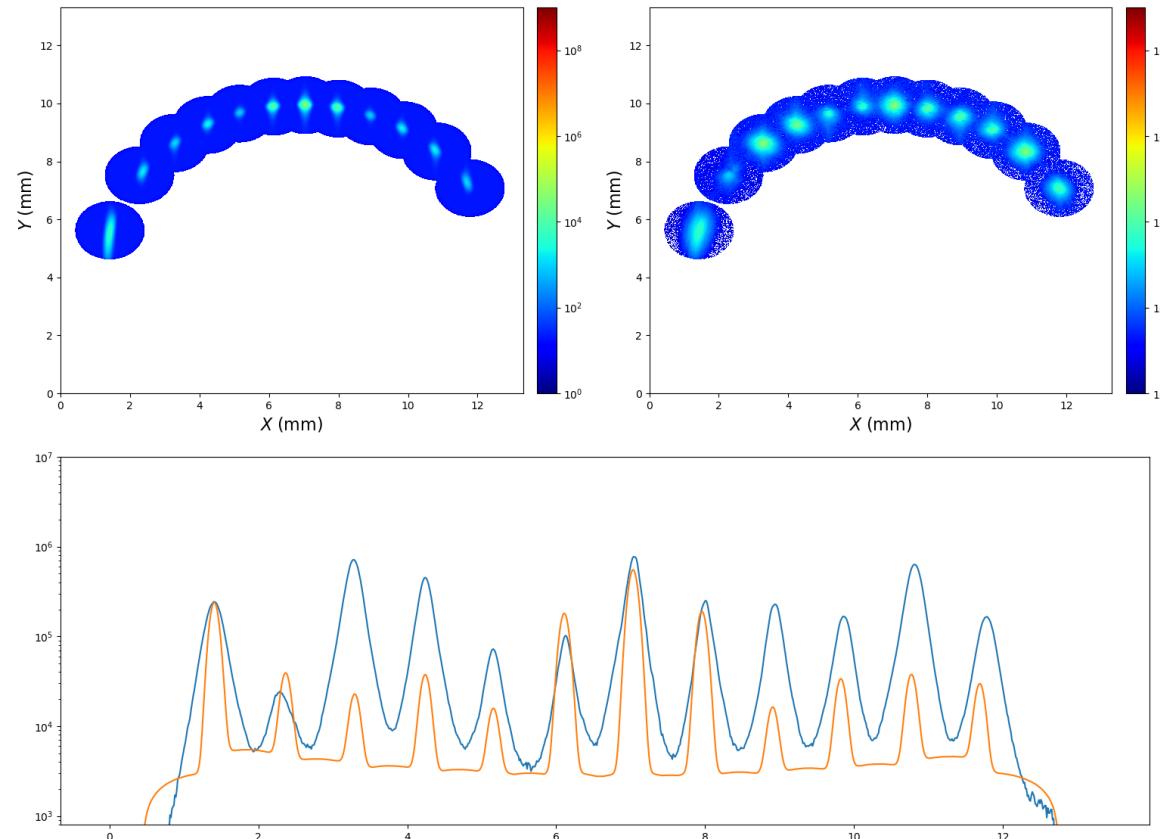
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 249.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



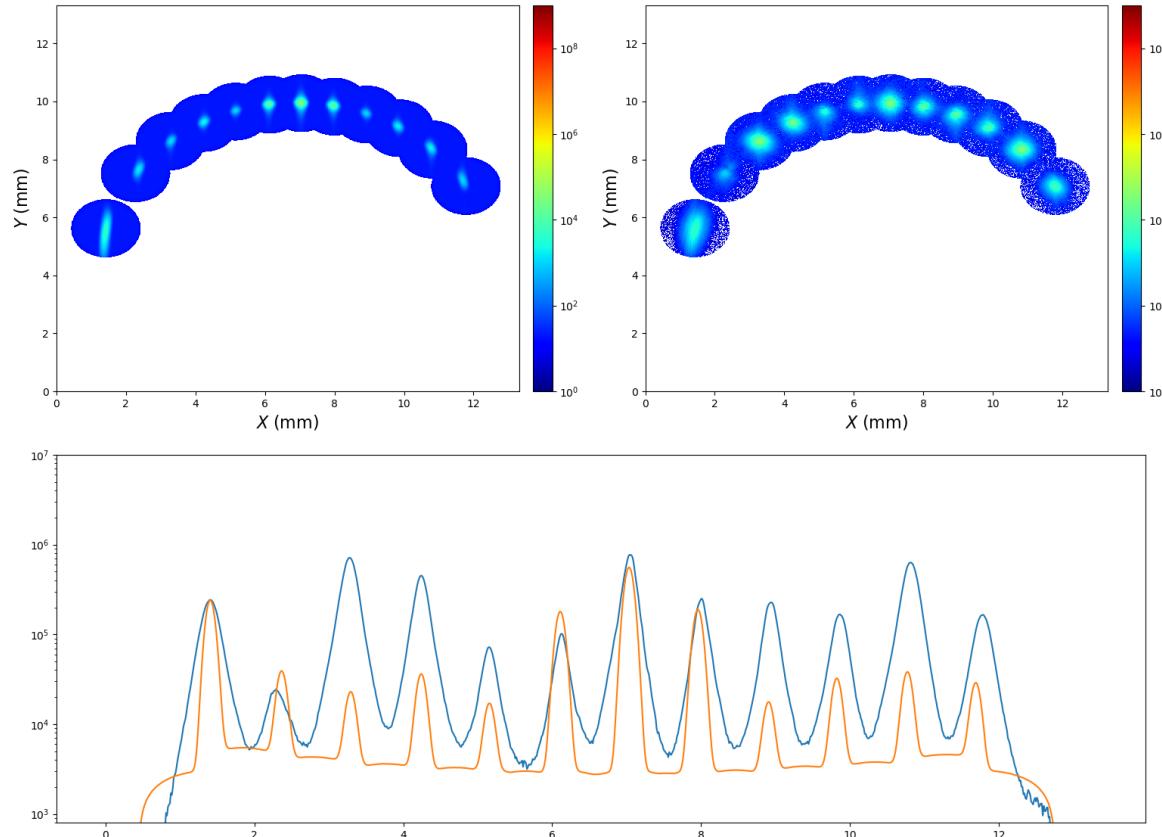
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 251.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



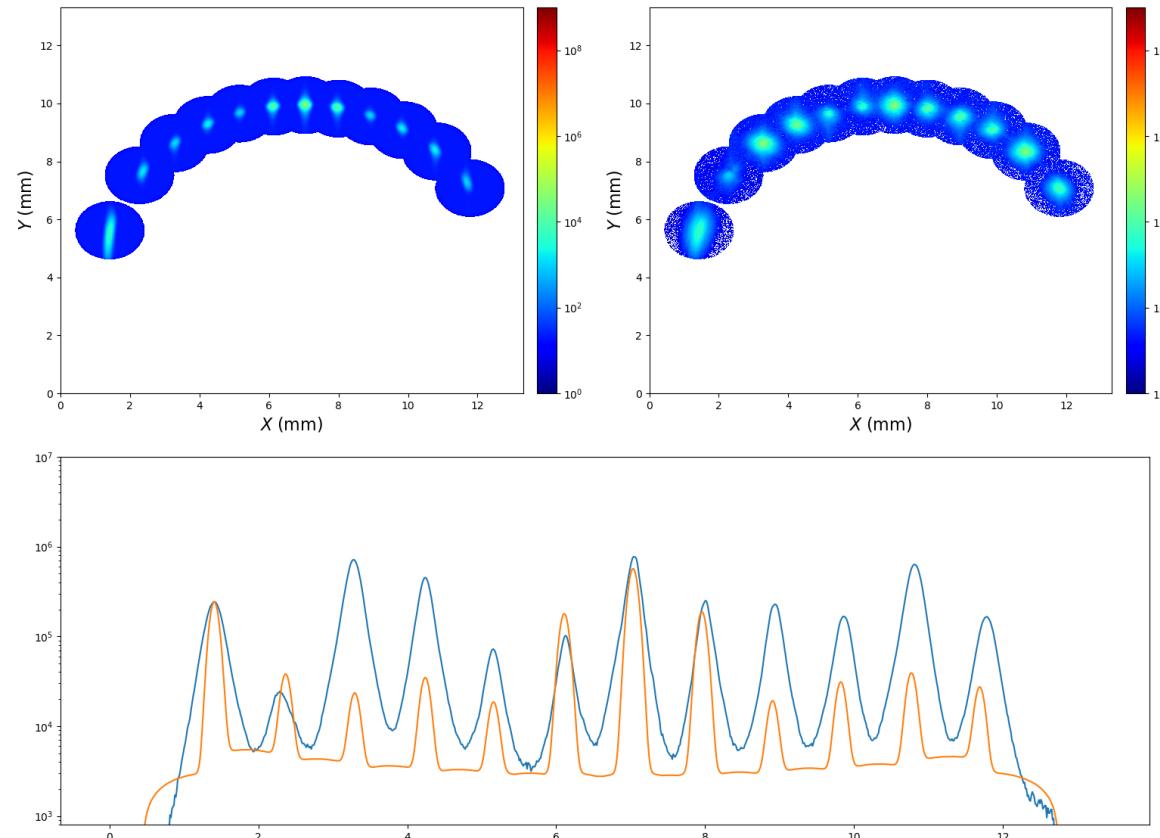
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 253.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



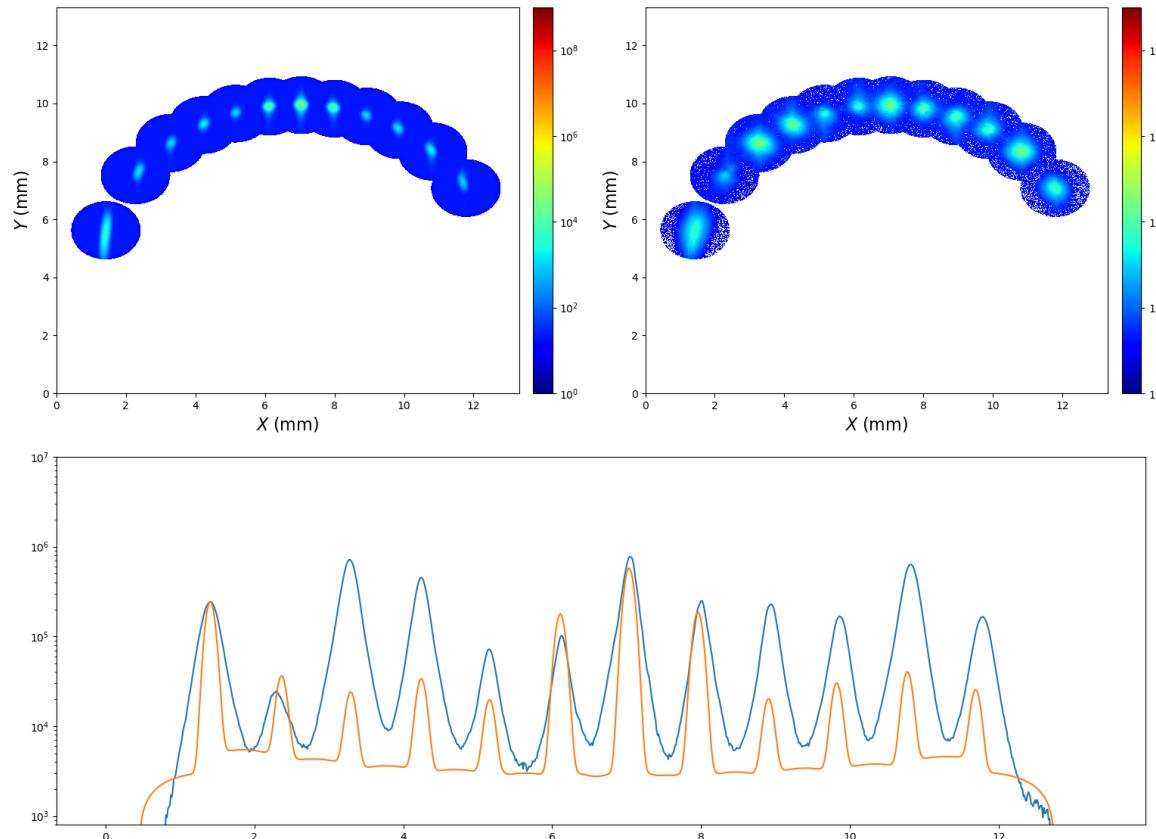
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 255.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



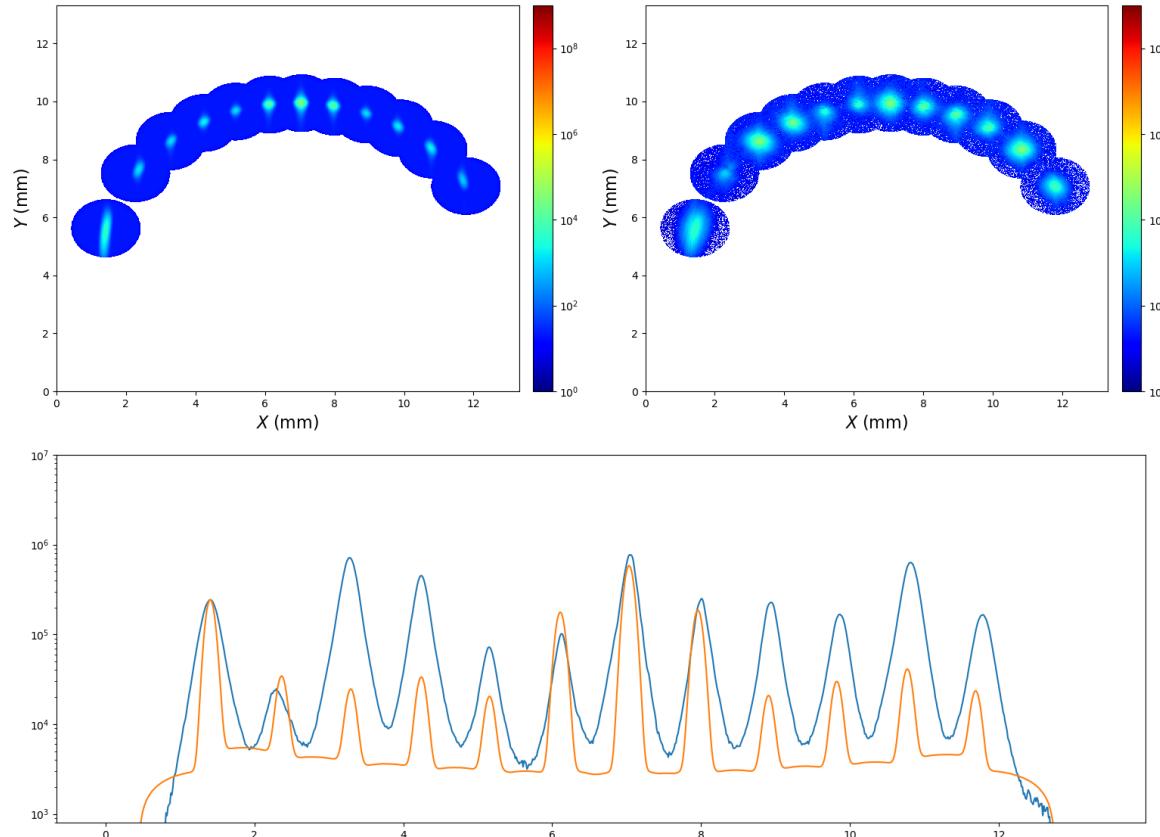
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 257.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



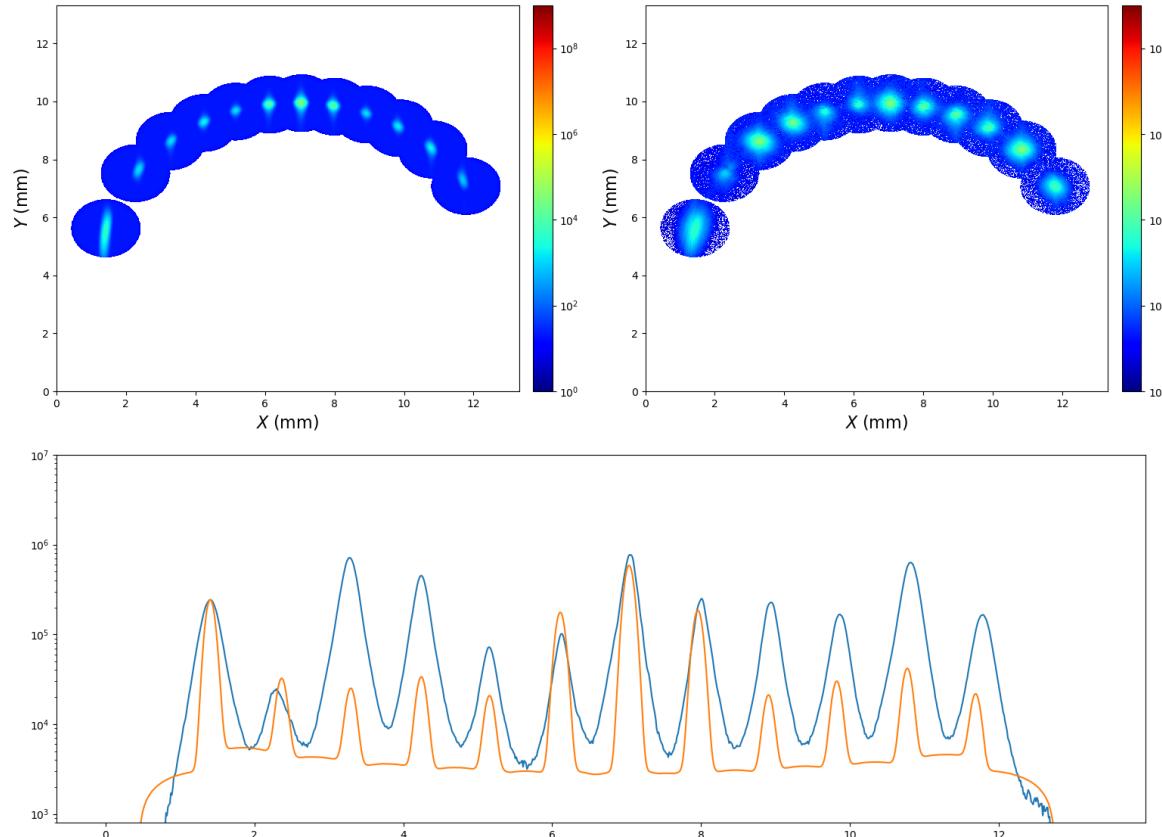
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 259.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



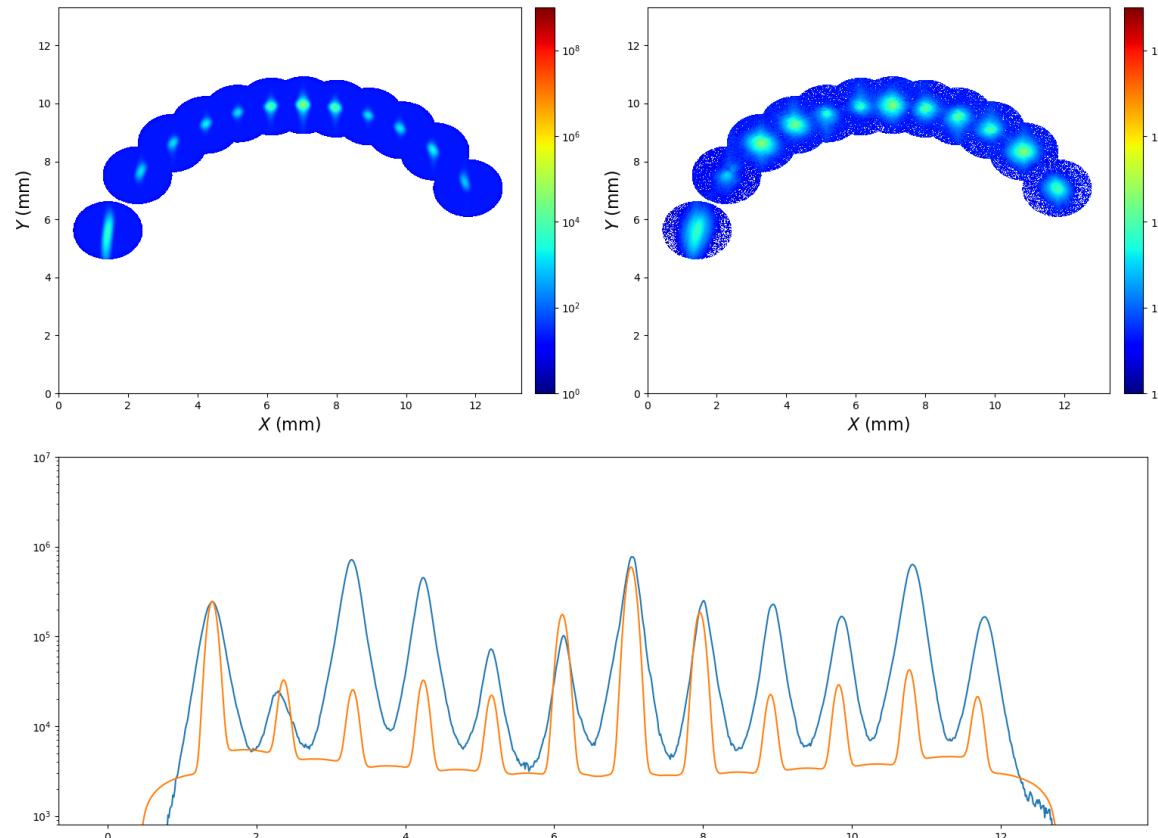
Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 261.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 263.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```



Grating spherical r0

```
{
  "builder": "SphericalSymGrating",
  "grating_period": 834.2,
  "grating_central_part": 400.0,
  "length": 10000,
  "r_sigma": 15.0,
  "r_hurst": 1.0,
  "r_corr": 20.0,
  "surface_density": 0.0004,
  "nslices": 101,
  "r0": 265.0,
  "r0_height": 209.6,
  "r1": 372.0,
  "bulk": 394.2,
  "interf": {
    "type": "idlattice",
    "decay_type": "gauss",
    "decay_length": 2500,
    "variance": 0.1
  }
}
```

