

Single meso, phi-scan

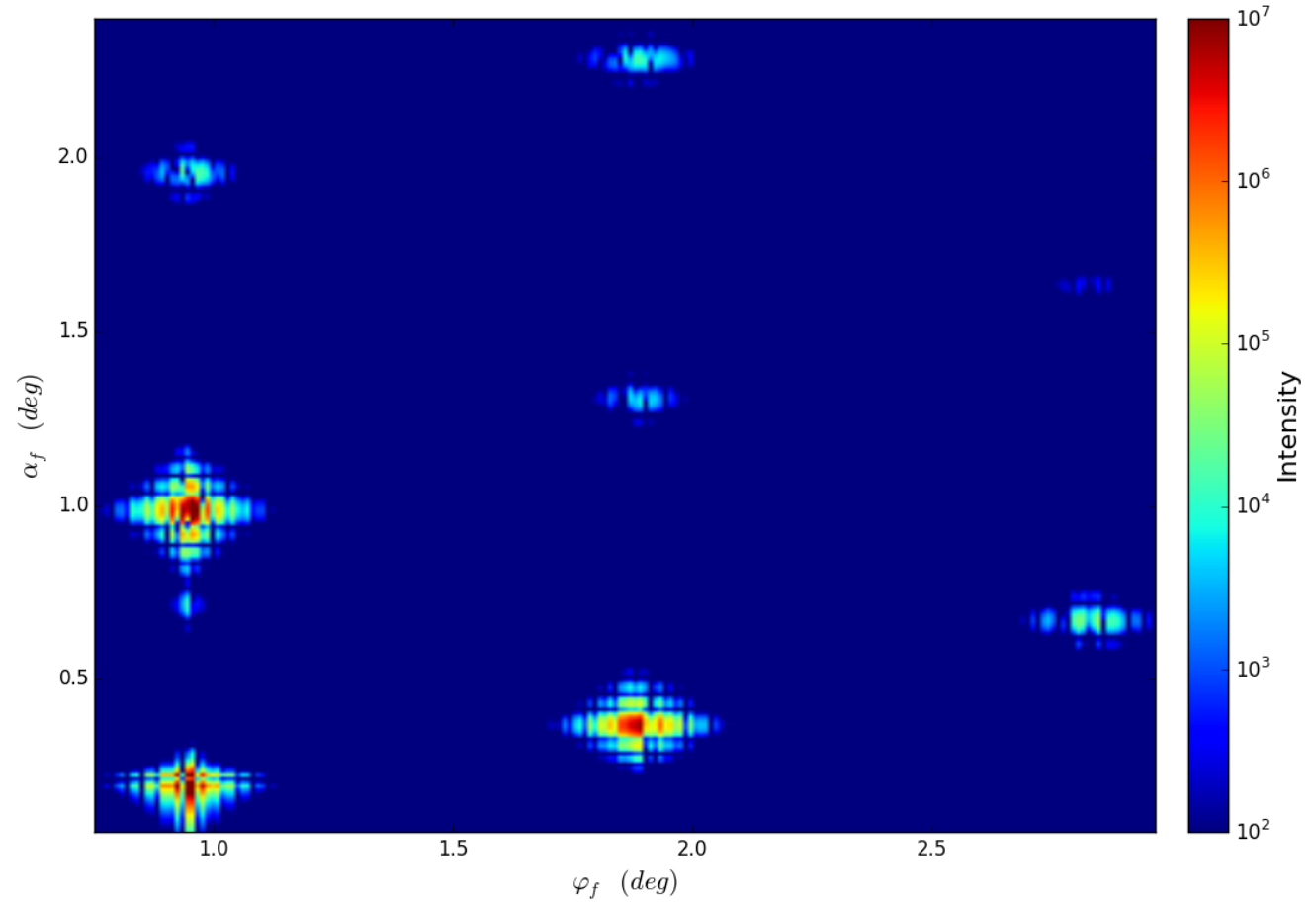
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.64

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z             0
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

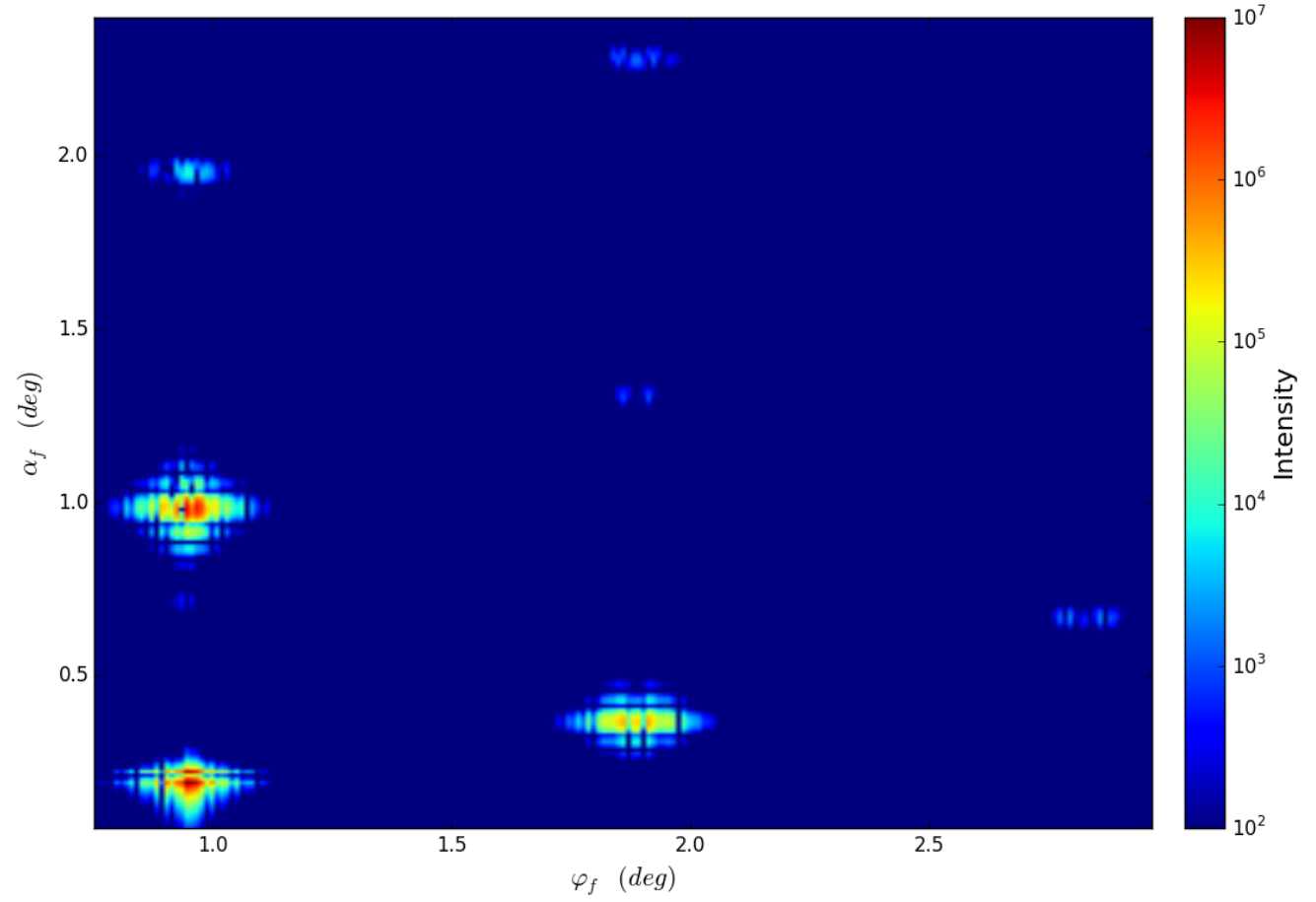
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.69

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            1
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

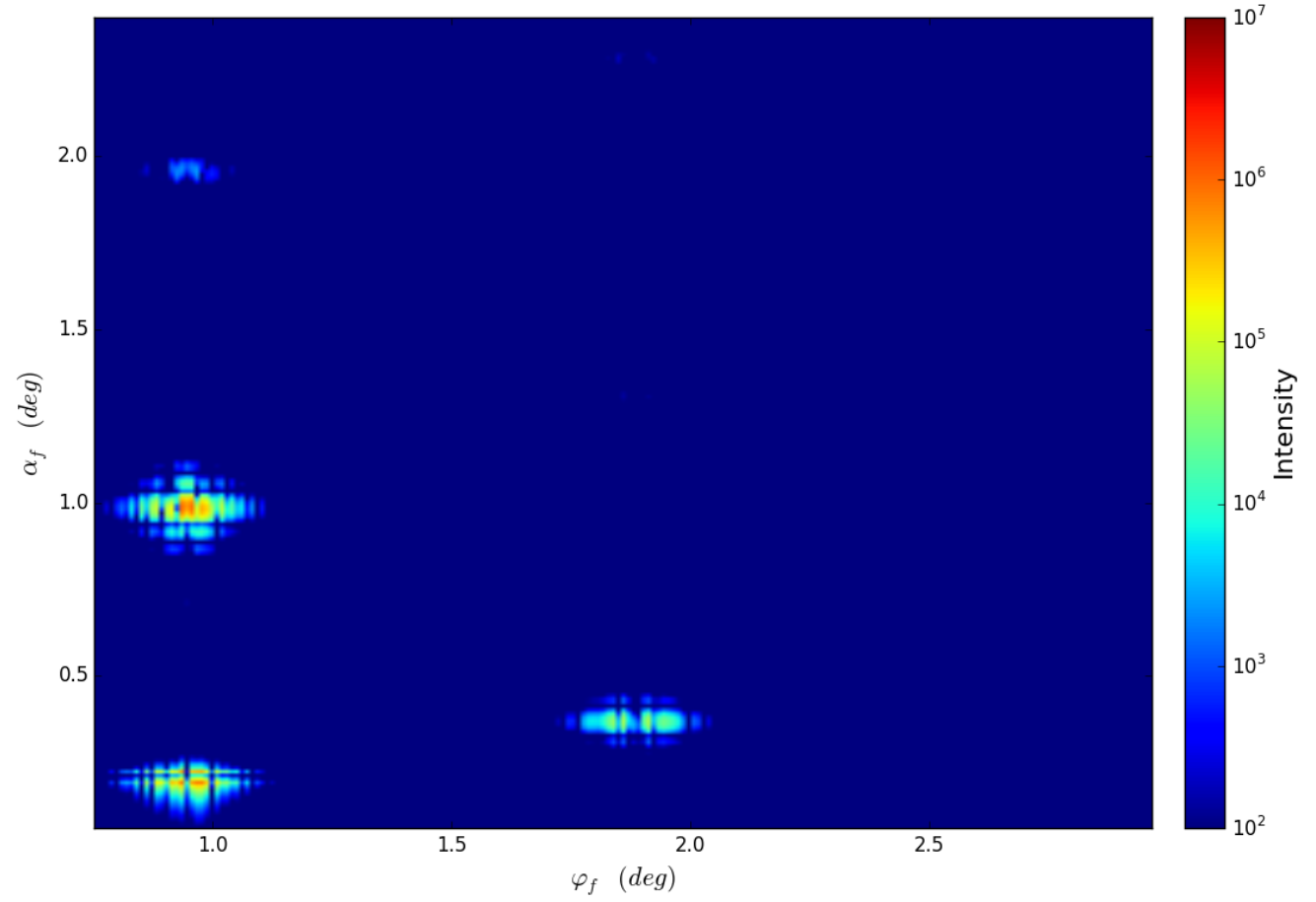
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.94

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius            800.0
m_nanoparticle_radius    5.0
m_nparticles             10
m_rotation_z             2
m_sigma_lattice_length_a 0.5
m_sigma_meso_height      20.0
m_sigma_meso_radius      20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

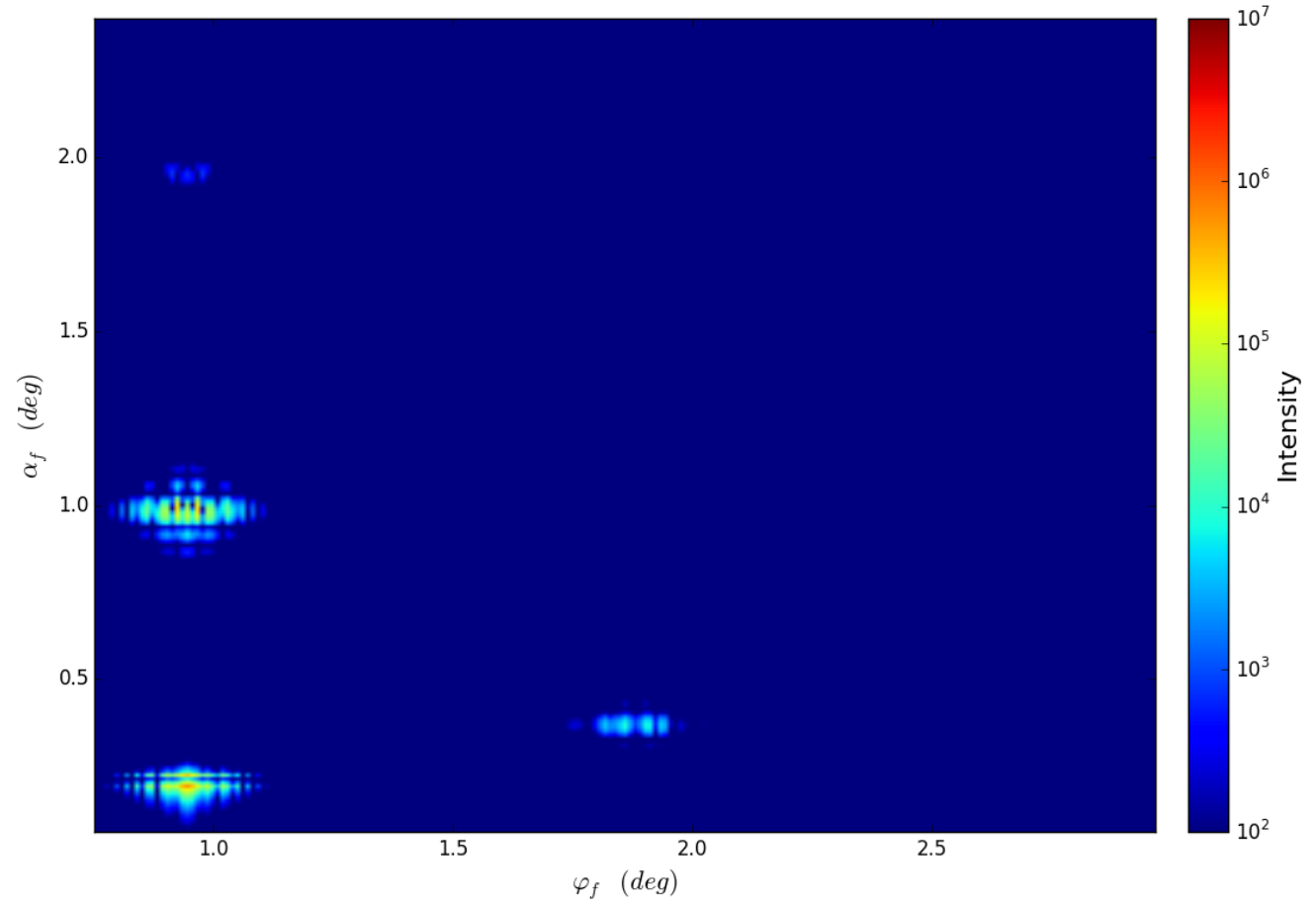
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.82

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            3
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

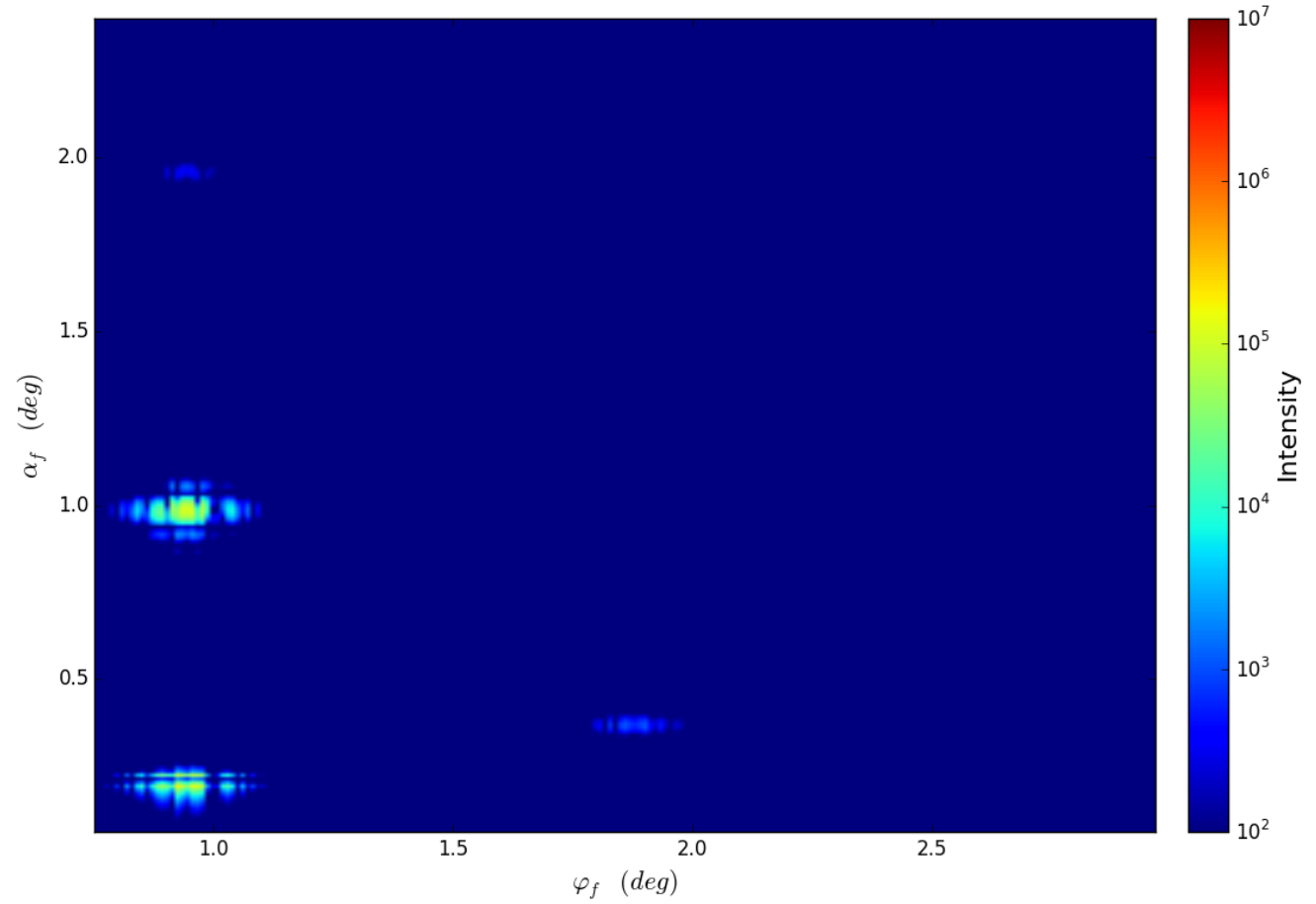
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.84

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

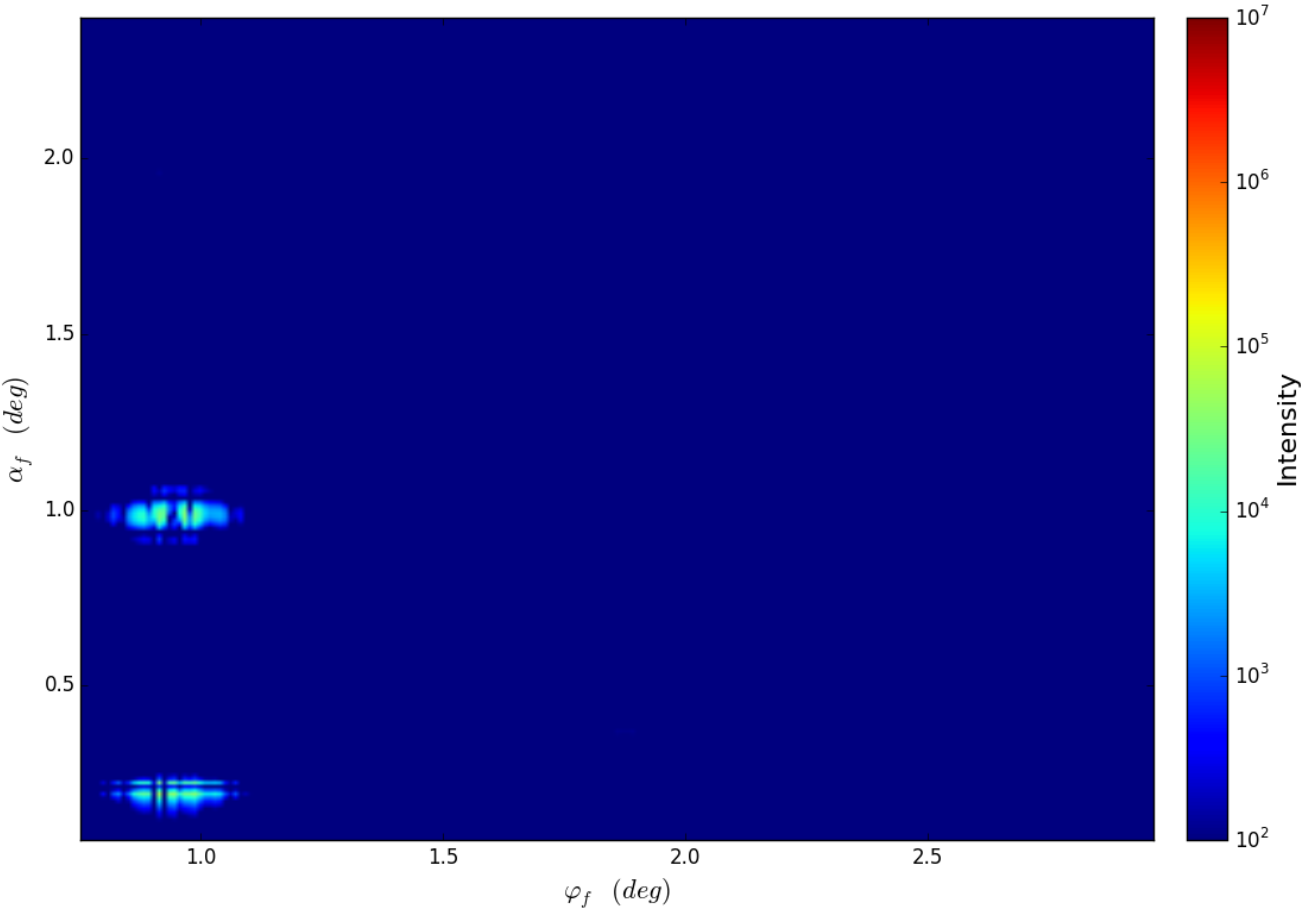
MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            4
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

SimulationBuilder	
m_beam_intensity	6.1e+12
m_beam_wavelength	0.1770
m_inclination_angle	0.4
m_time_spend	1.88
SampleBuilderVer1	
m_average_layer_thickness	200.0
m_roughness	6.0
m_surface_filling_ratio	0.25
SingleMesoFactory	
MesoCrystalBuilder	
MesoParameters	
m_lattice_length_a	12.45
m_lattice_length_c	31.0
m_meso_height	200.0
m_meso_radius	800.0
m_nanoparticle_radius	5.0
m_nparticles	10
m_rotation_z	5
m_sigma_lattice_length_a	0.5
m_sigma_meso_height	20.0
m_sigma_meso_radius	20.0
m_sigma_nanoparticle_radius	0.3



Single meso, phi-scan

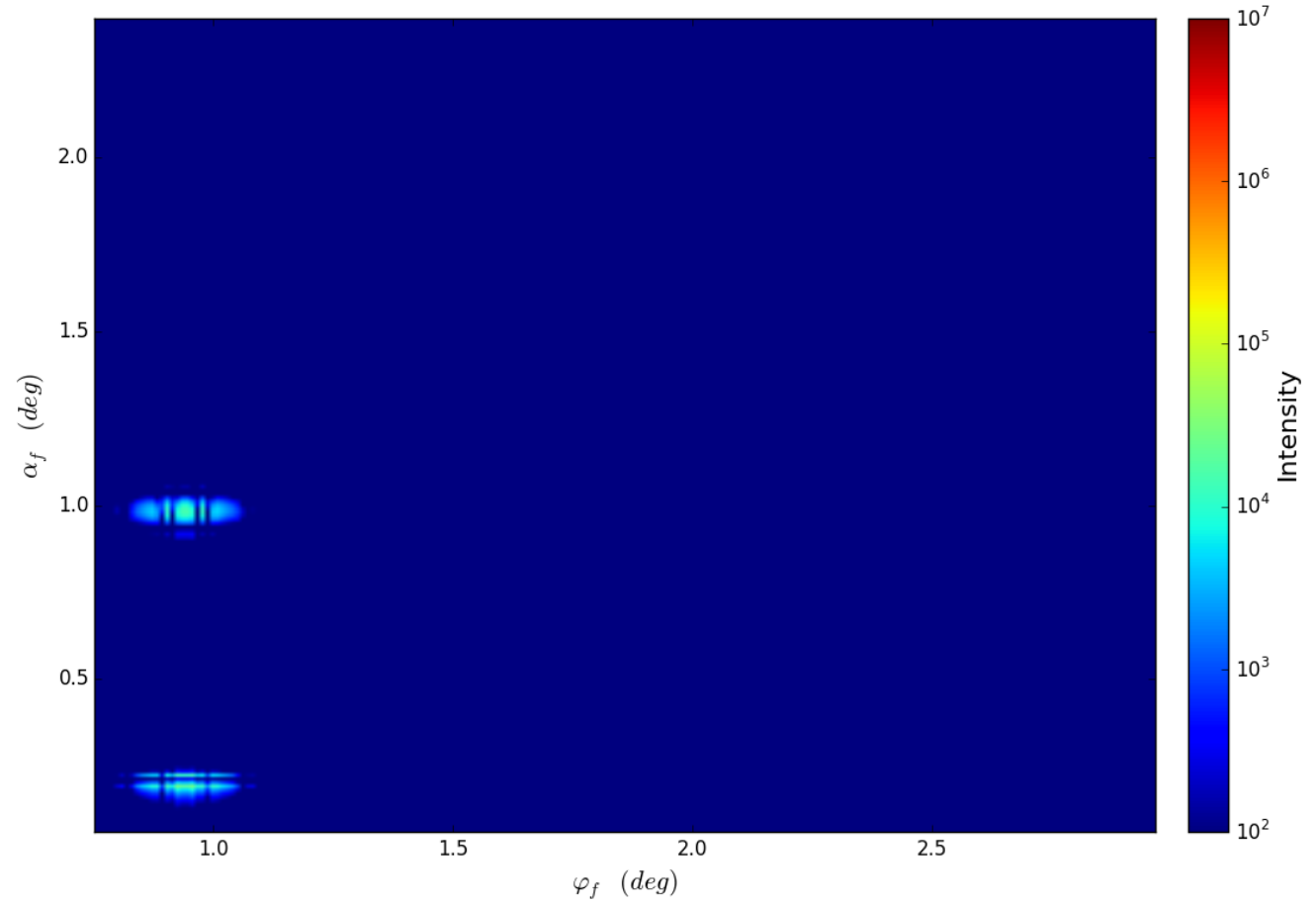
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.91

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            6
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

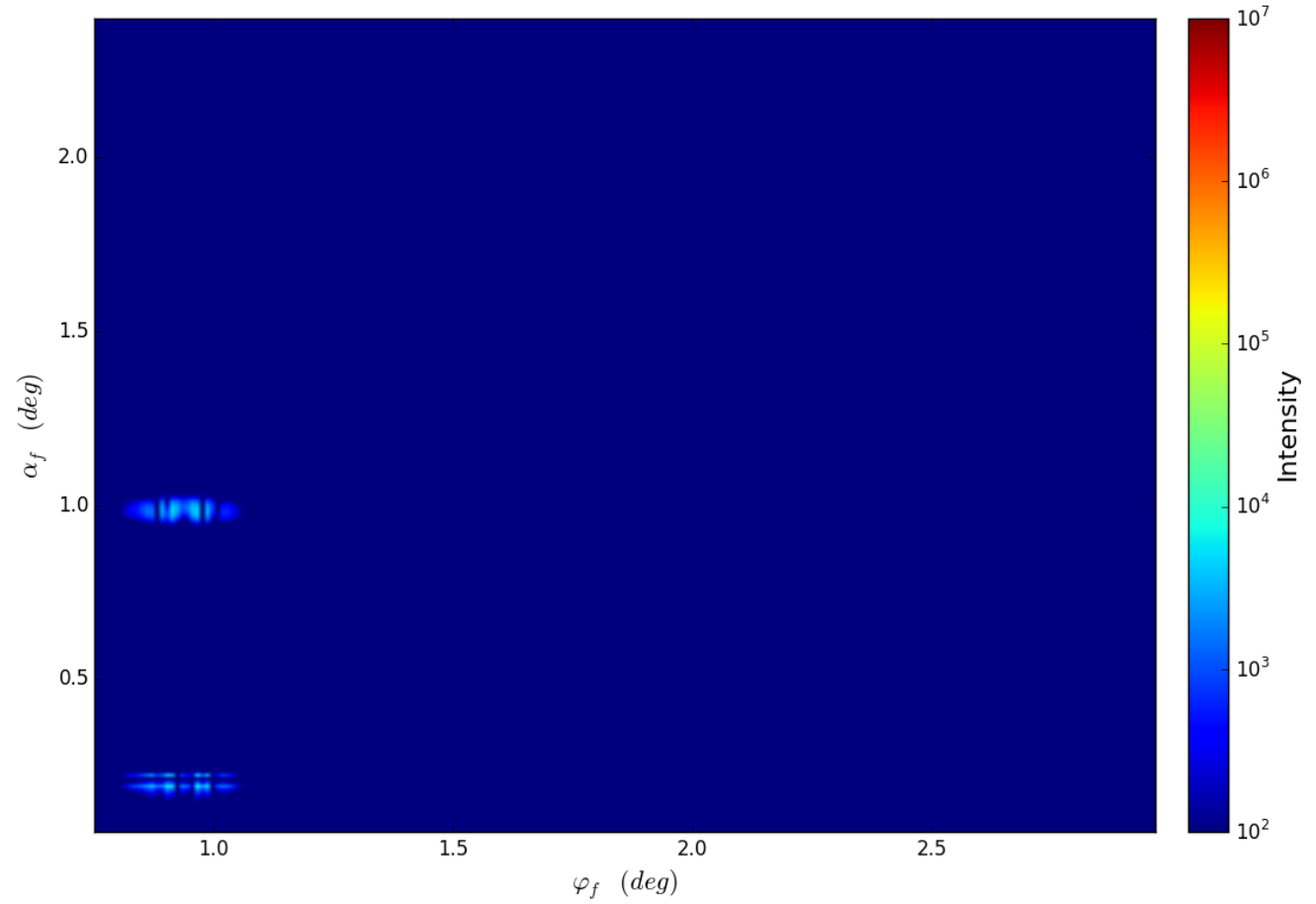
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.99

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            7
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

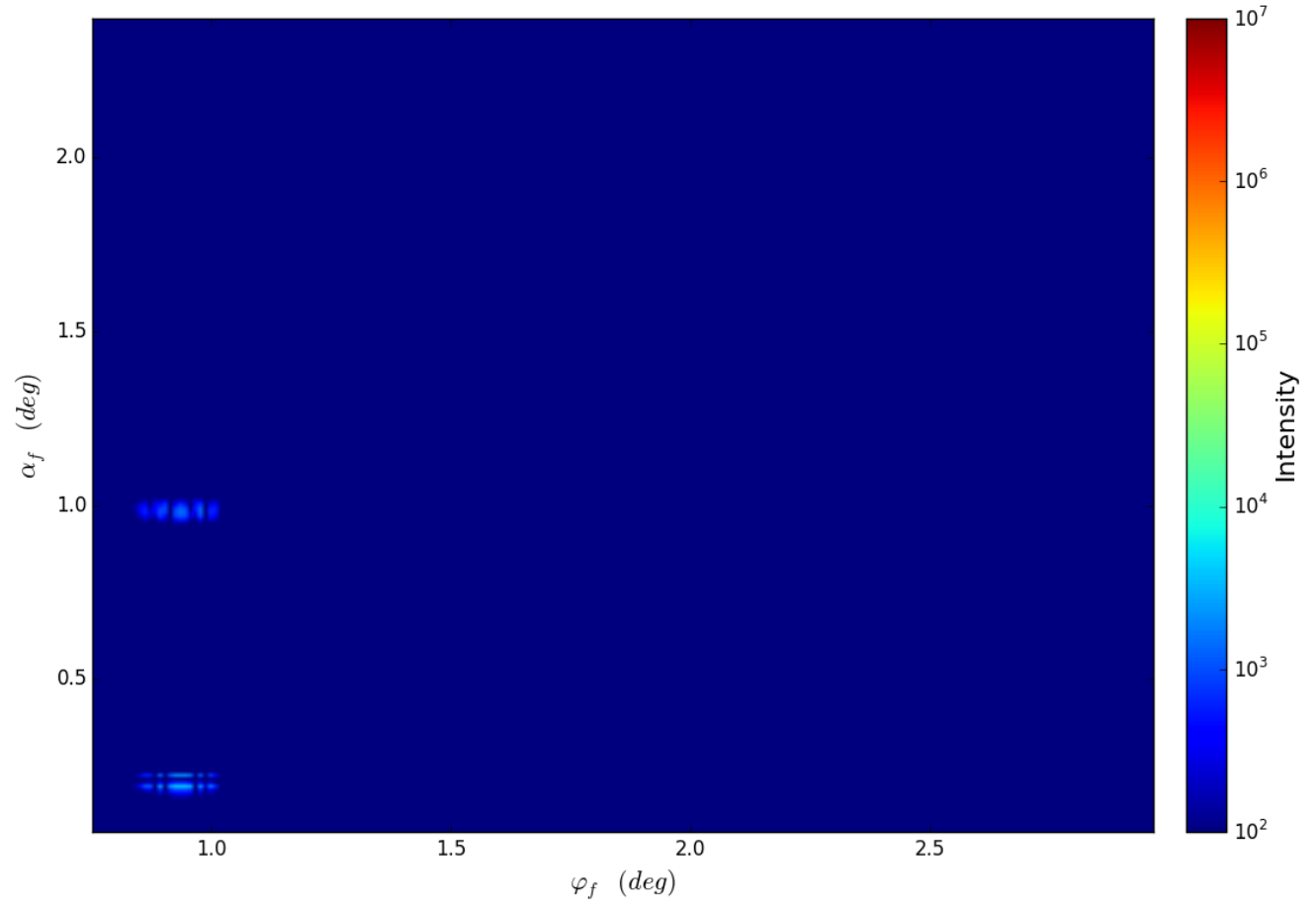
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.96

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            8
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

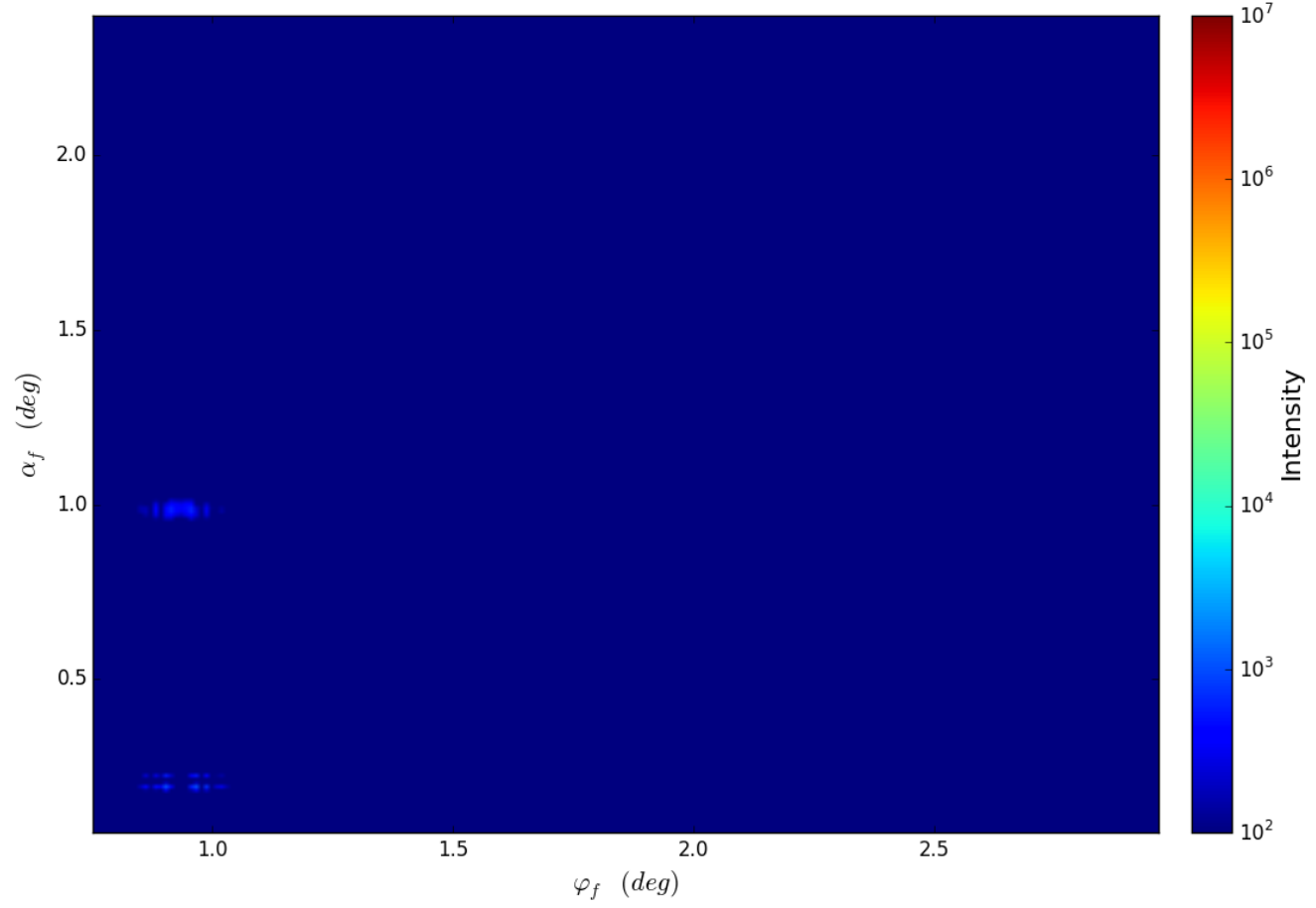
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.96

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

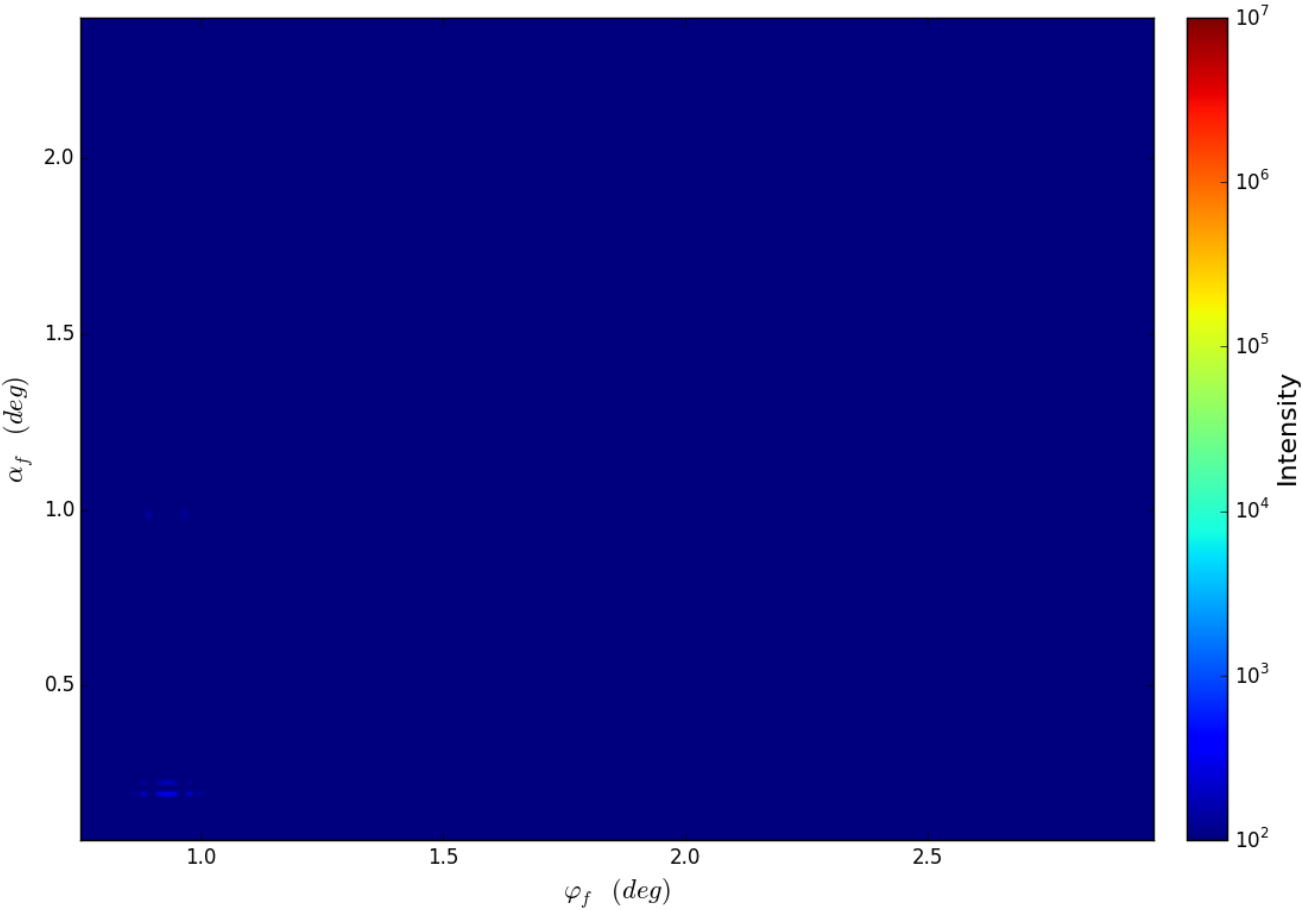
MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            9
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



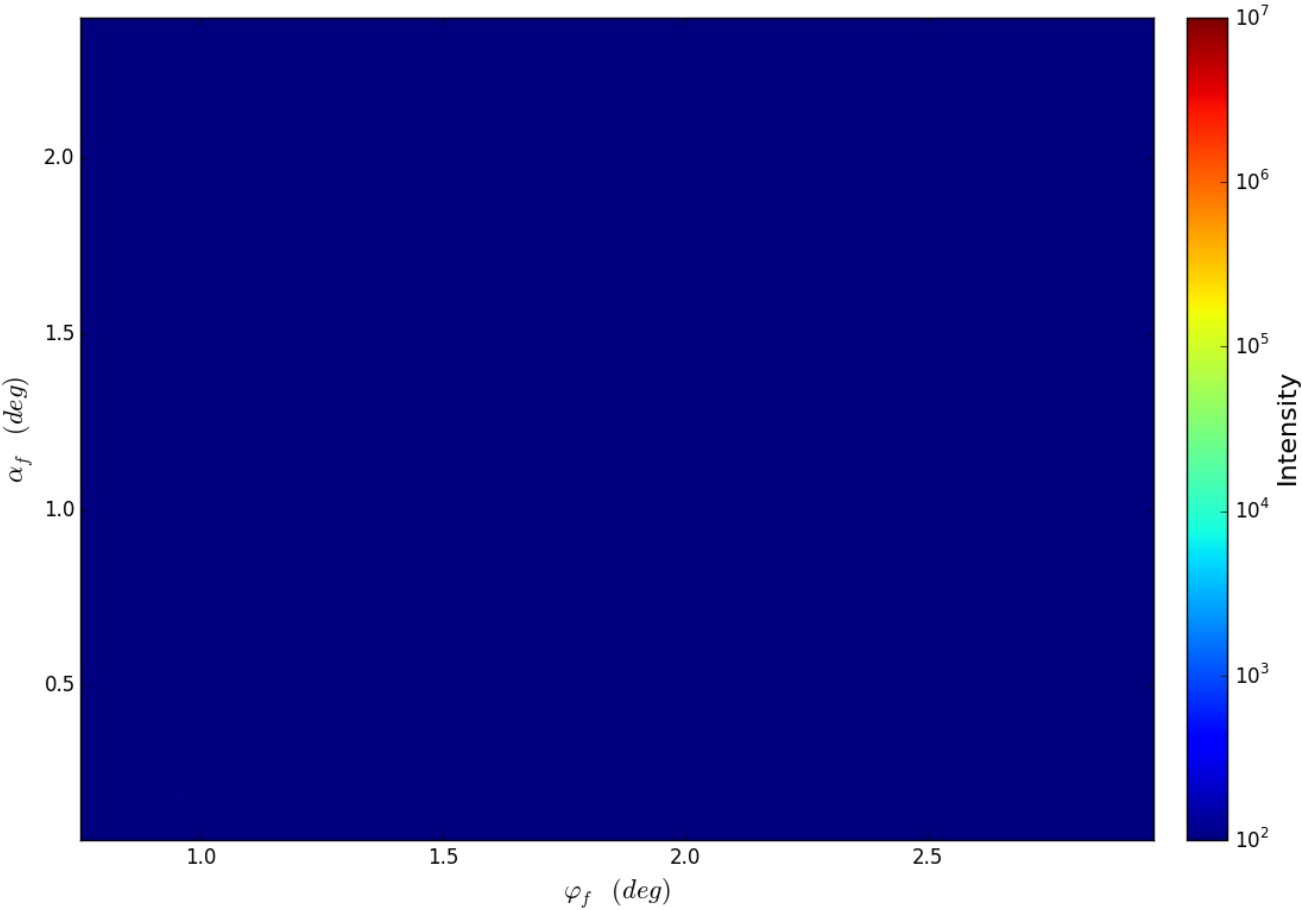
Single meso, phi-scan

SimulationBuilder	
m_beam_intensity	6.1e+12
m_beam_wavelength	0.1770
m_inclination_angle	0.4
m_time_spend	1.99
SampleBuilderVer1	
m_average_layer_thickness	200.0
m_roughness	6.0
m_surface_filling_ratio	0.25
SingleMesoFactory	
MesoCrystalBuilder	
MesoParameters	
m_lattice_length_a	12.45
m_lattice_length_c	31.0
m_meso_height	200.0
m_meso_radius	800.0
m_nanoparticle_radius	5.0
m_nparticles	10
m_rotation_z	10
m_sigma_lattice_length_a	0.5
m_sigma_meso_height	20.0
m_sigma_meso_radius	20.0
m_sigma_nanoparticle_radius	0.3



Single meso, phi-scan

SimulationBuilder	
m_beam_intensity	6.1e+12
m_beam_wavelength	0.1770
m_inclination_angle	0.4
m_time_spend	1.96
SampleBuilderVer1	
m_average_layer_thickness	200.0
m_roughness	6.0
m_surface_filling_ratio	0.25
SingleMesoFactory	
MesoCrystalBuilder	
MesoParameters	
m_lattice_length_a	12.45
m_lattice_length_c	31.0
m_meso_height	200.0
m_meso_radius	800.0
m_nanoparticle_radius	5.0
m_nparticles	10
m_rotation_z	11
m_sigma_lattice_length_a	0.5
m_sigma_meso_height	20.0
m_sigma_meso_radius	20.0
m_sigma_nanoparticle_radius	0.3



Single meso, phi-scan

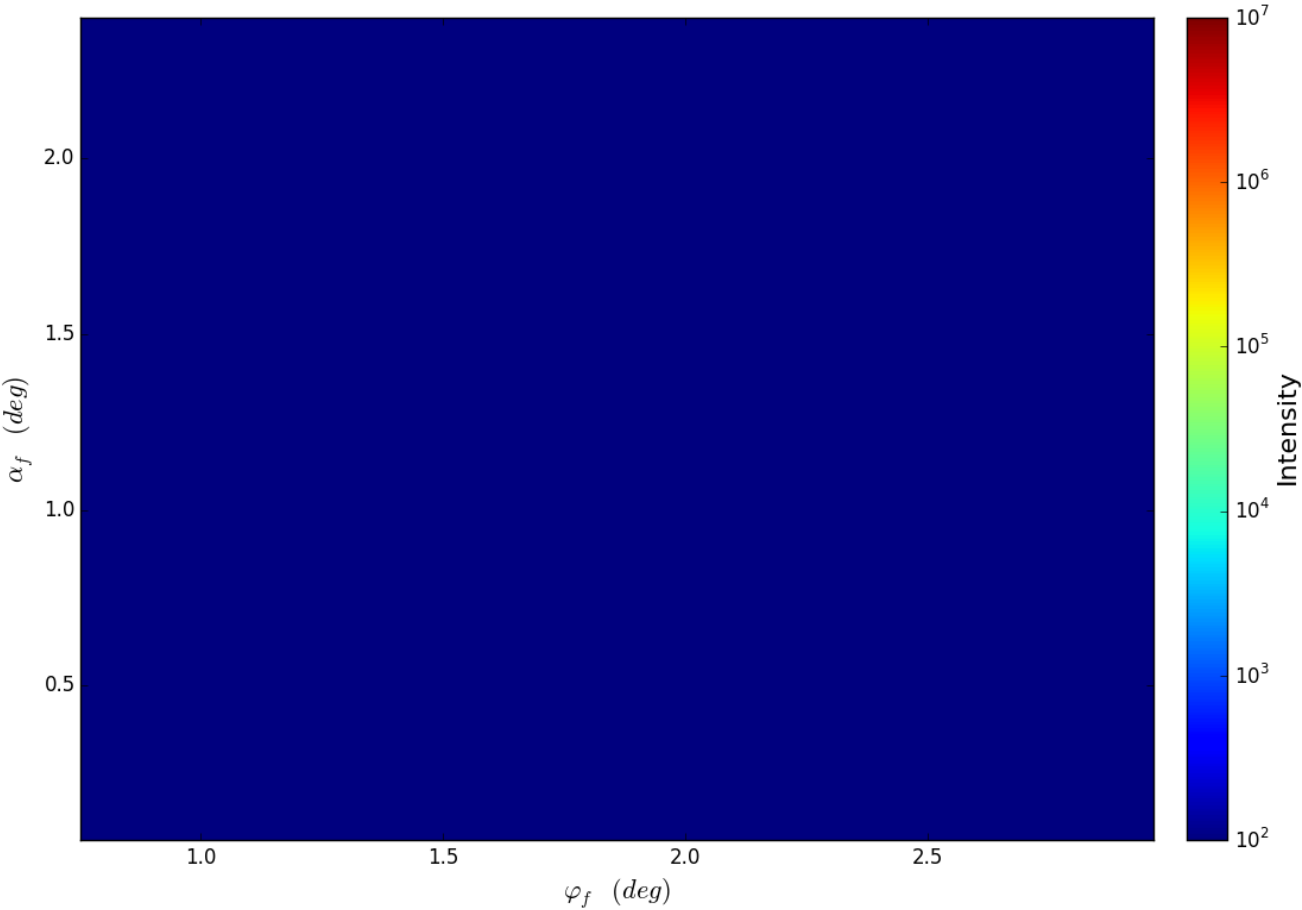
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.94

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            12
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

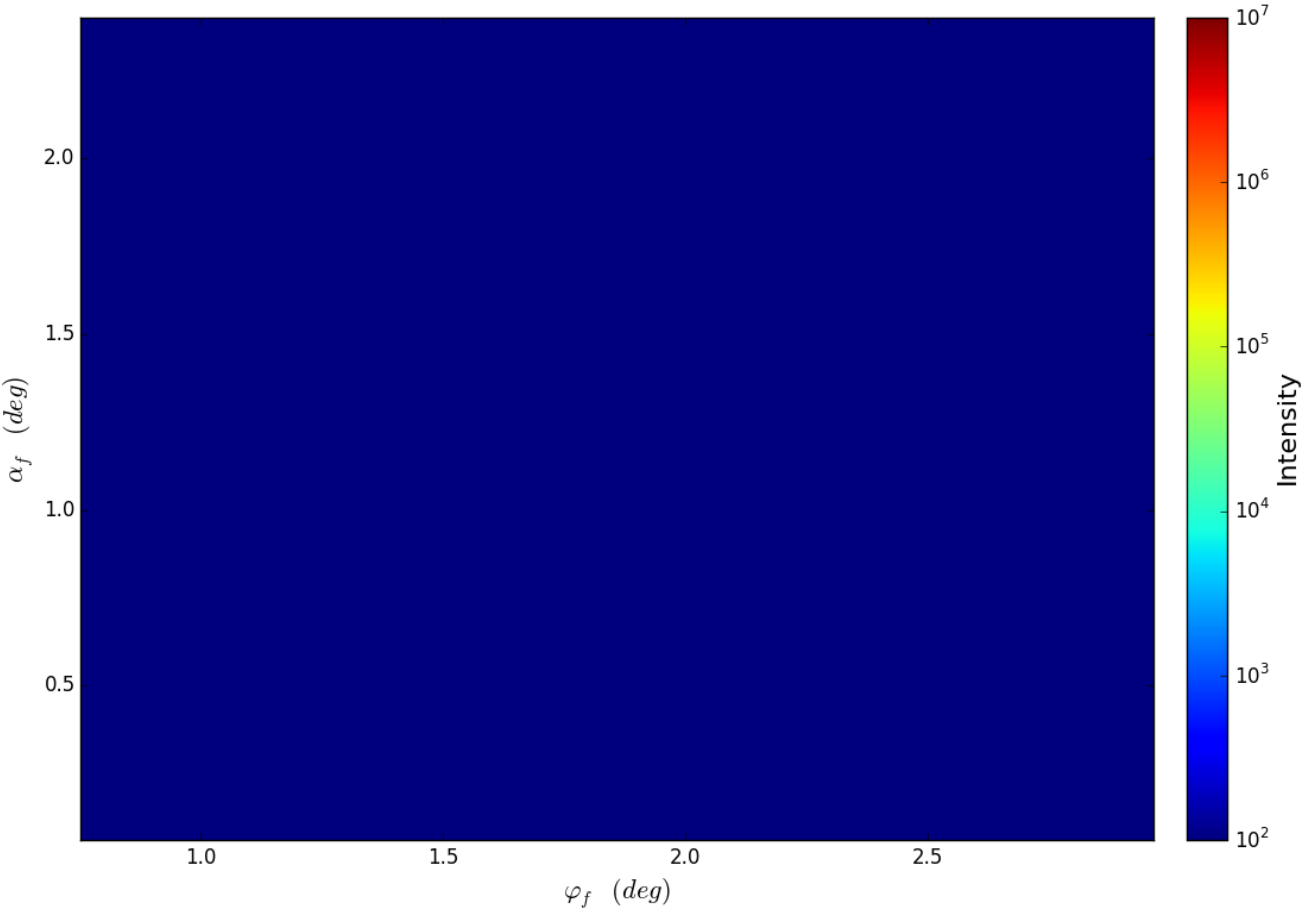
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.99

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

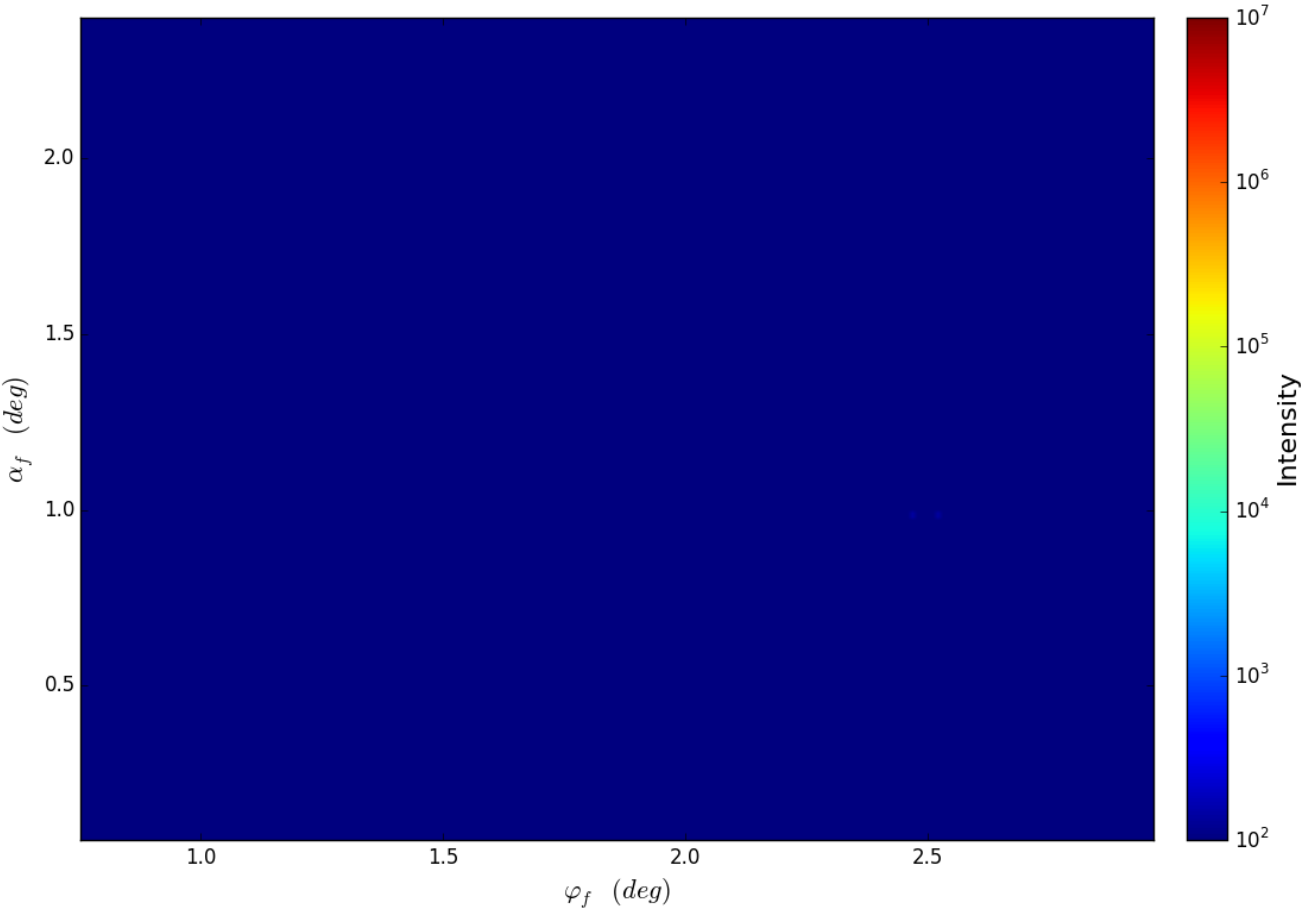
MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius            800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            13
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```

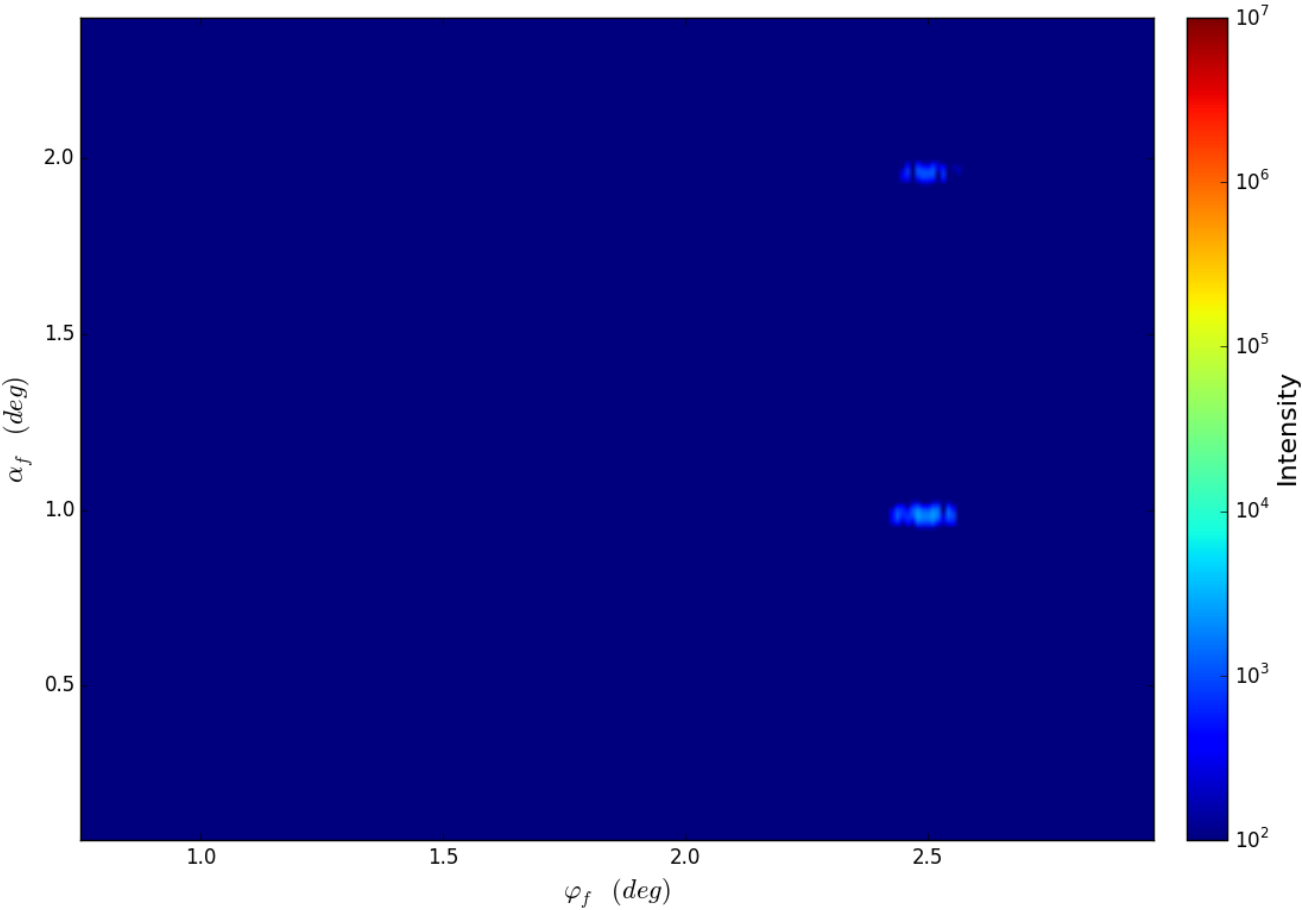


Single meso, phi-scan

SimulationBuilder	
m_beam_intensity	6.1e+12
m_beam_wavelength	0.1770
m_inclination_angle	0.4
m_time_spend	1.92
SampleBuilderVer1	
m_average_layer_thickness	200.0
m_roughness	6.0
m_surface_filling_ratio	0.25
SingleMesoFactory	
MesoCrystalBuilder	
MesoParameters	
m_lattice_length_a	12.45
m_lattice_length_c	31.0
m_meso_height	200.0
m_meso_radius	800.0
m_nanoparticle_radius	5.0
m_nparticles	10
m_rotation_z	14
m_sigma_lattice_length_a	0.5
m_sigma_meso_height	20.0
m_sigma_meso_radius	20.0
m_sigma_nanoparticle_radius	0.3



SimulationBuilder	
m_beam_intensity	6.1e+12
m_beam_wavelength	0.1770
m_inclination_angle	0.4
m_time_spend	1.86
SampleBuilderVer1	
m_average_layer_thickness	200.0
m_roughness	6.0
m_surface_filling_ratio	0.25
SingleMesoFactory	
MesoCrystalBuilder	
MesoParameters	
m_lattice_length_a	12.45
m_lattice_length_c	31.0
m_meso_height	200.0
m_meso_radius	800.0
m_nanoparticle_radius	5.0
m_nparticles	10
m_rotation_z	15
m_sigma_lattice_length_a	0.5
m_sigma_meso_height	20.0
m_sigma_meso_radius	20.0
m_sigma_nanoparticle_radius	0.3



Single meso, phi-scan

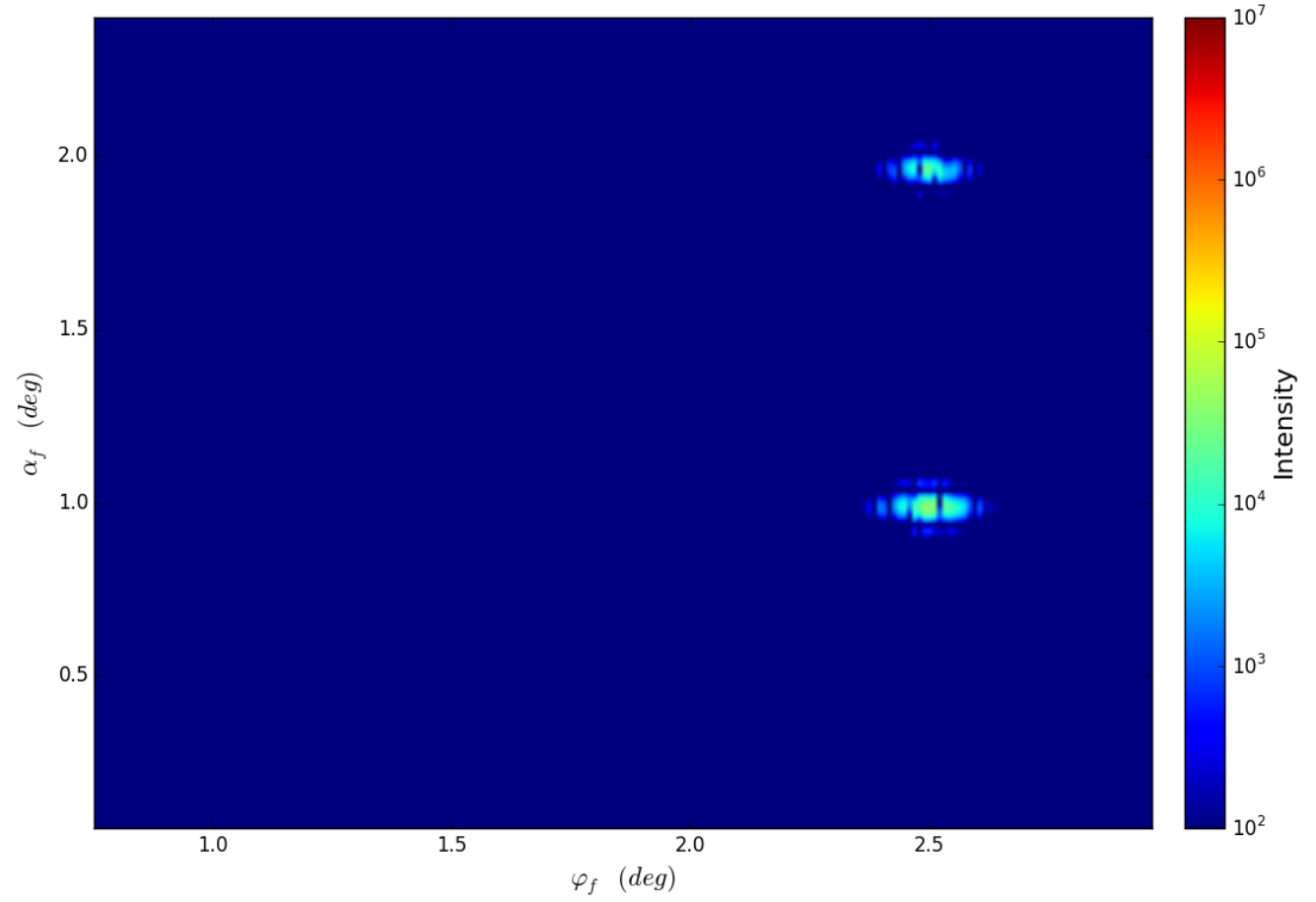
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.84

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius            800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            16
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

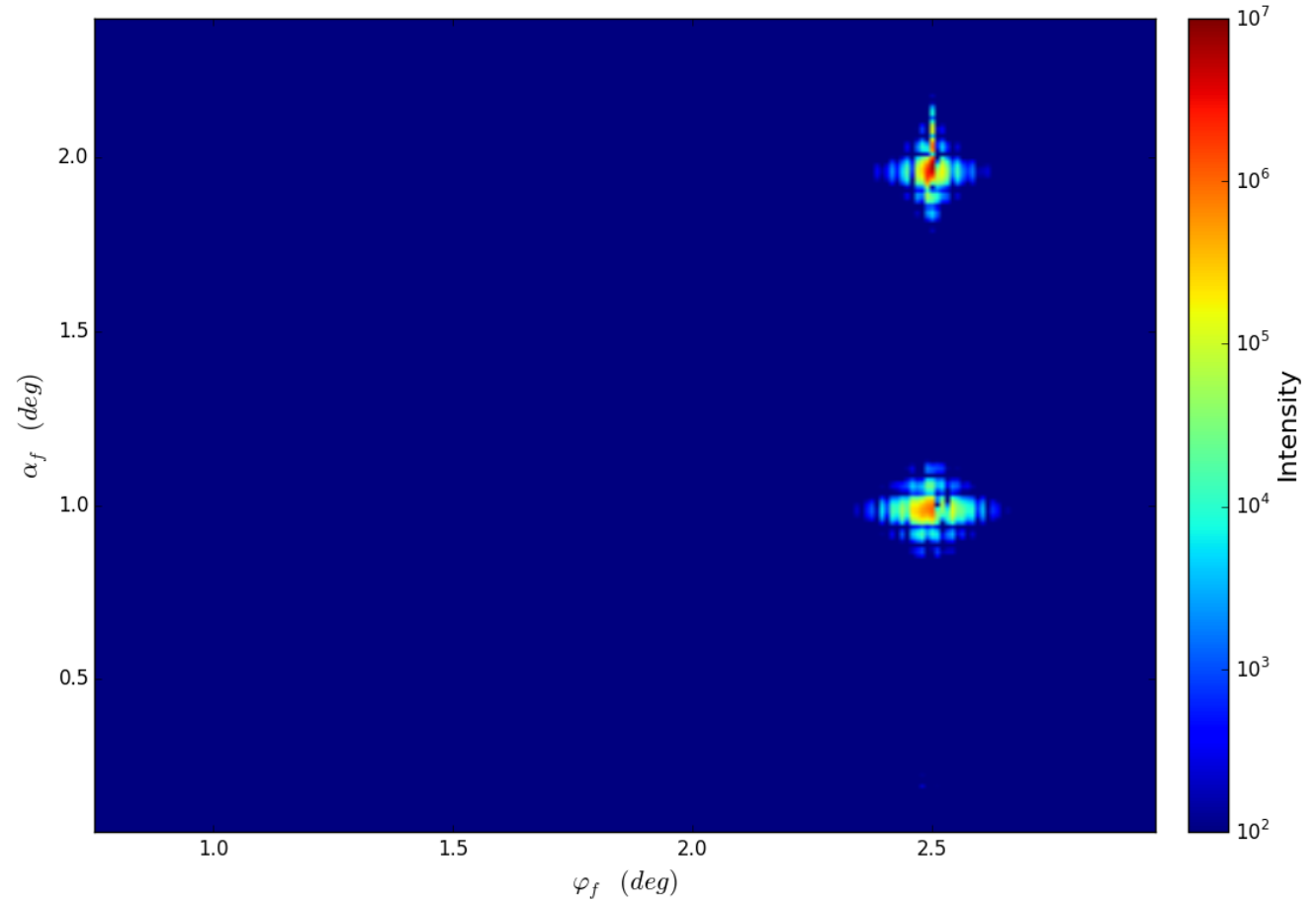
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend         1.85

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            17
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

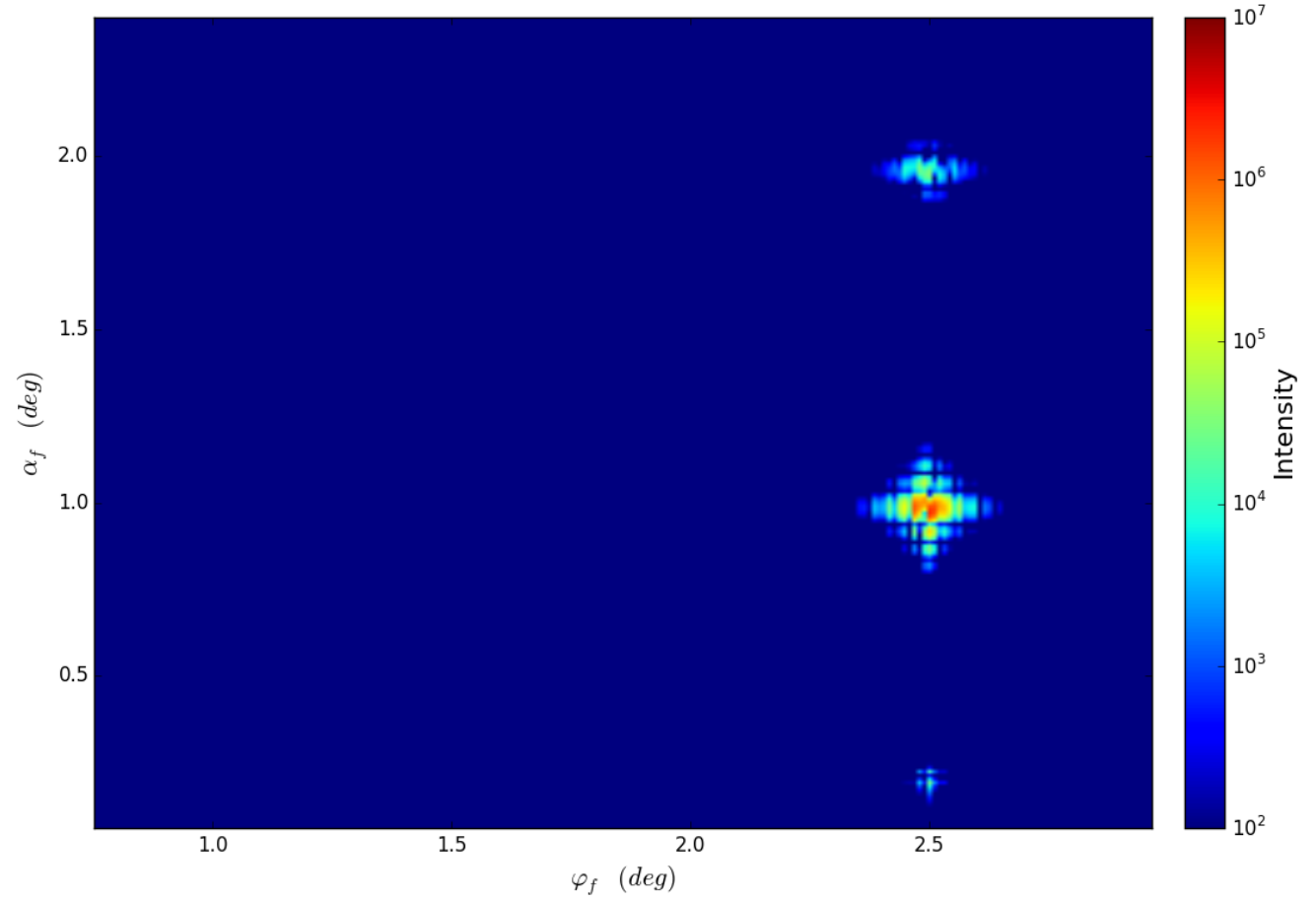
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.88

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius            800.0
m_nanoparticle_radius   5.0
m_nparticles             10
m_rotation_z             18
m_sigma_lattice_length_a 0.5
m_sigma_meso_height      20.0
m_sigma_meso_radius      20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

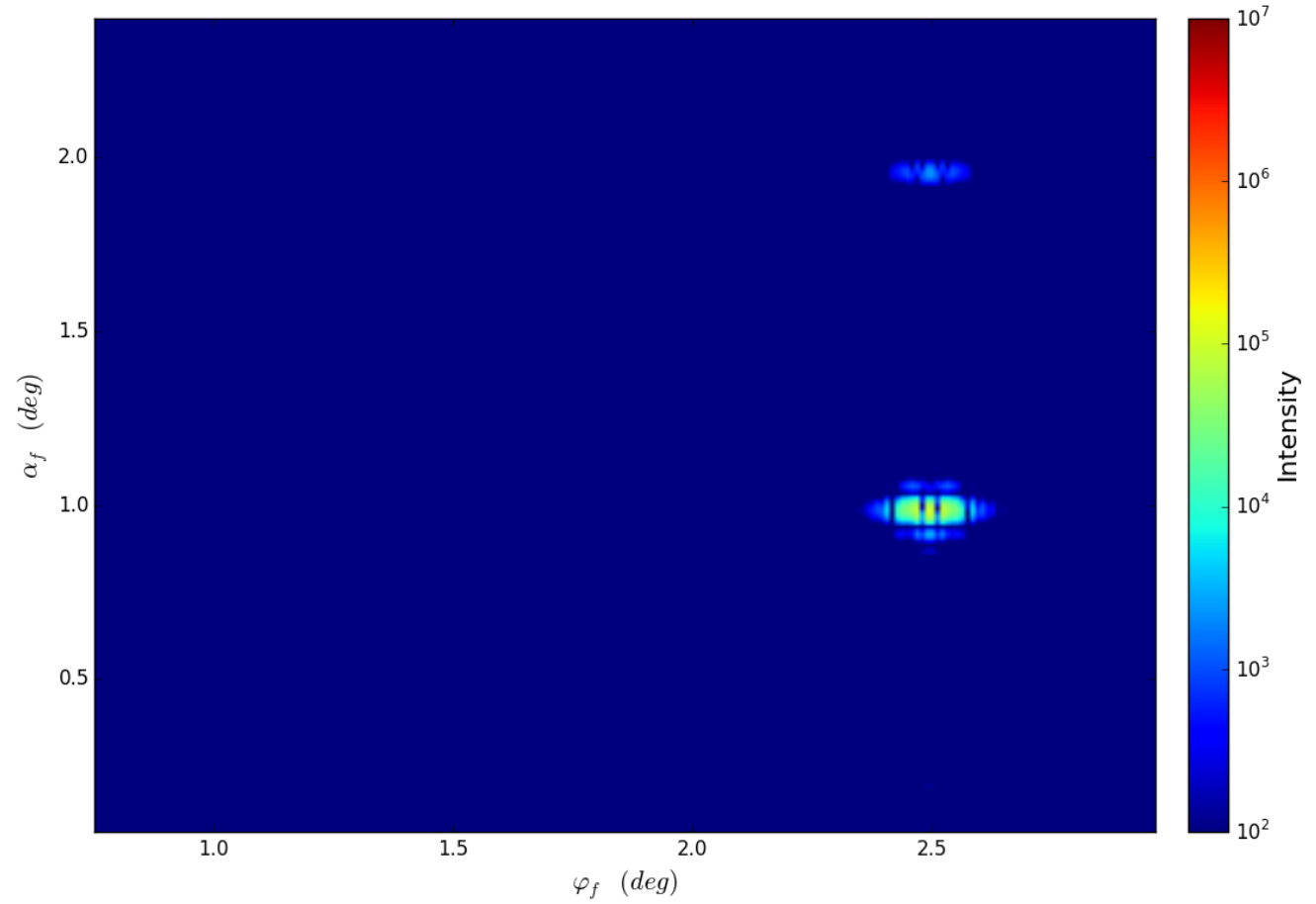
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.85

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            19
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

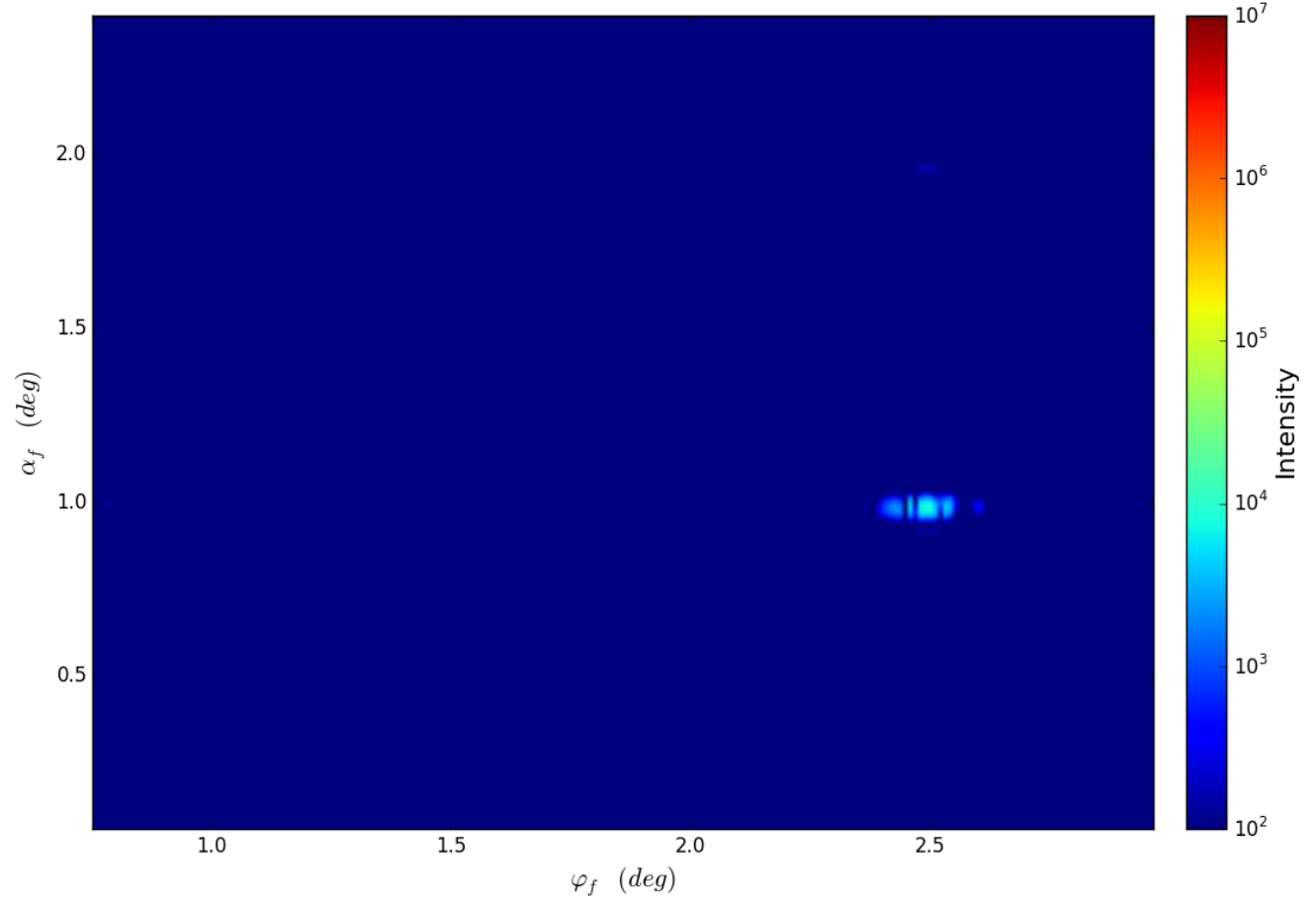
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.90

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            20
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

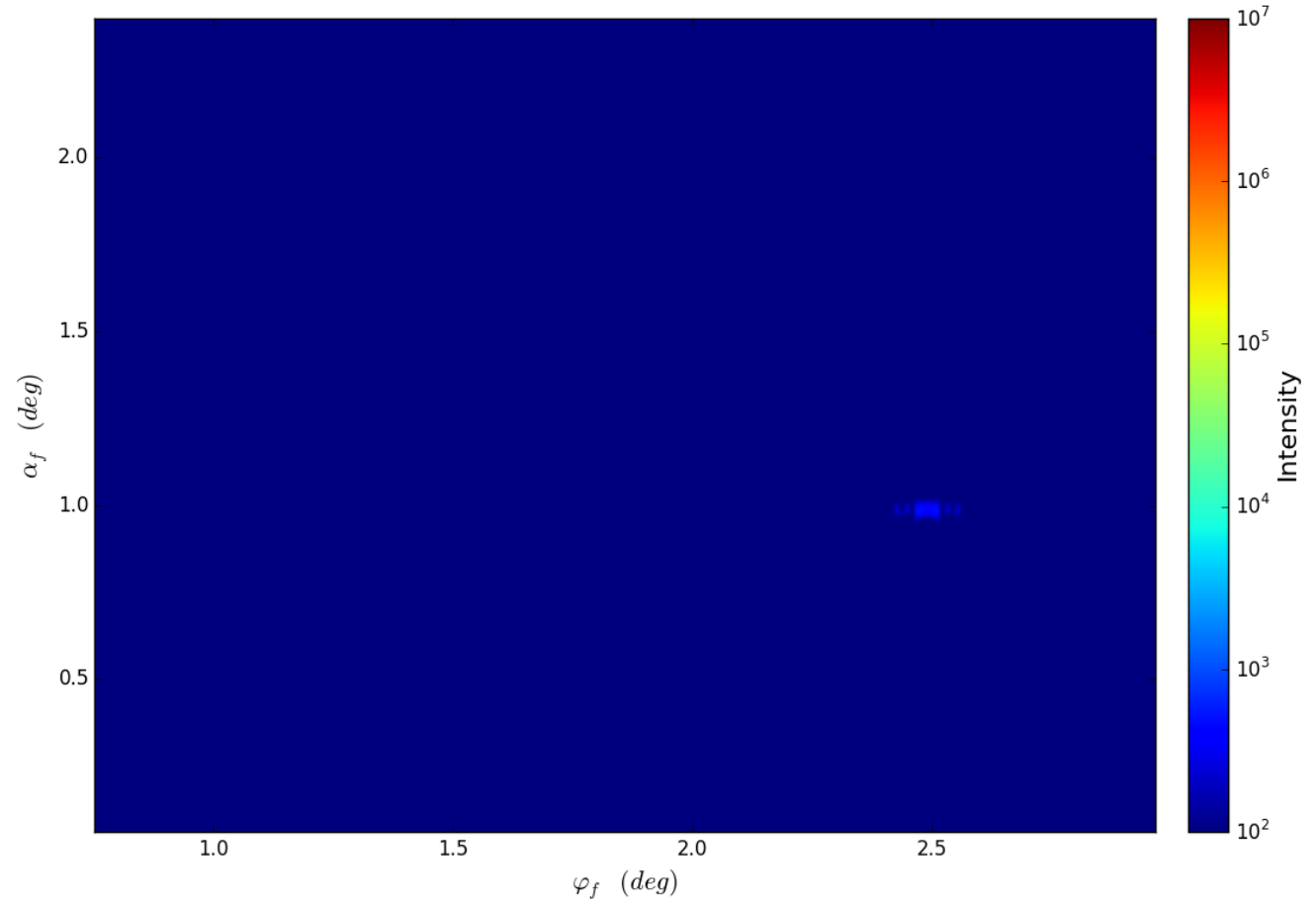
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.87

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            21
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



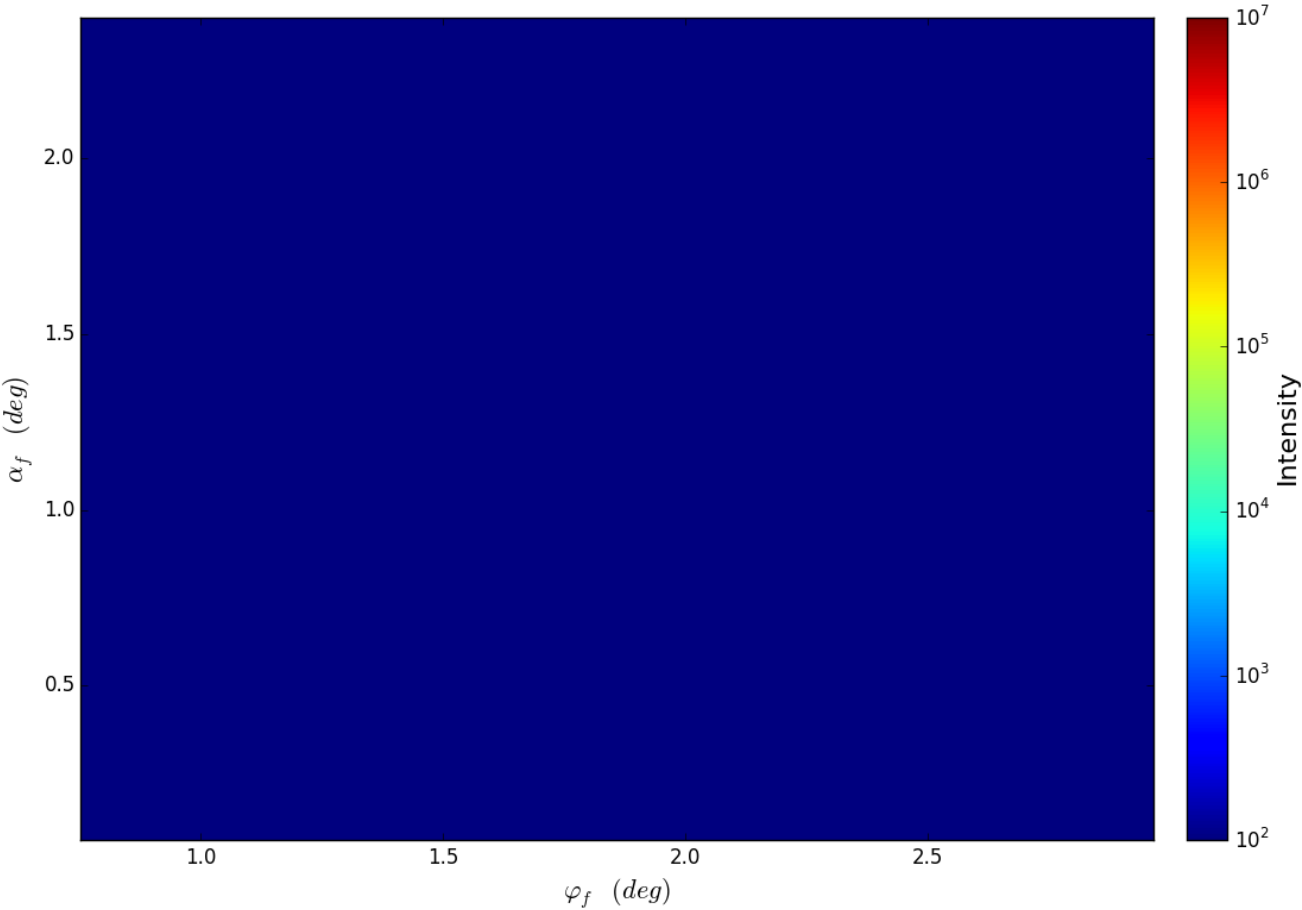
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.88

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius            800.0
m_nanoparticle_radius   5.0
m_nparticles             10
m_rotation_z            22
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

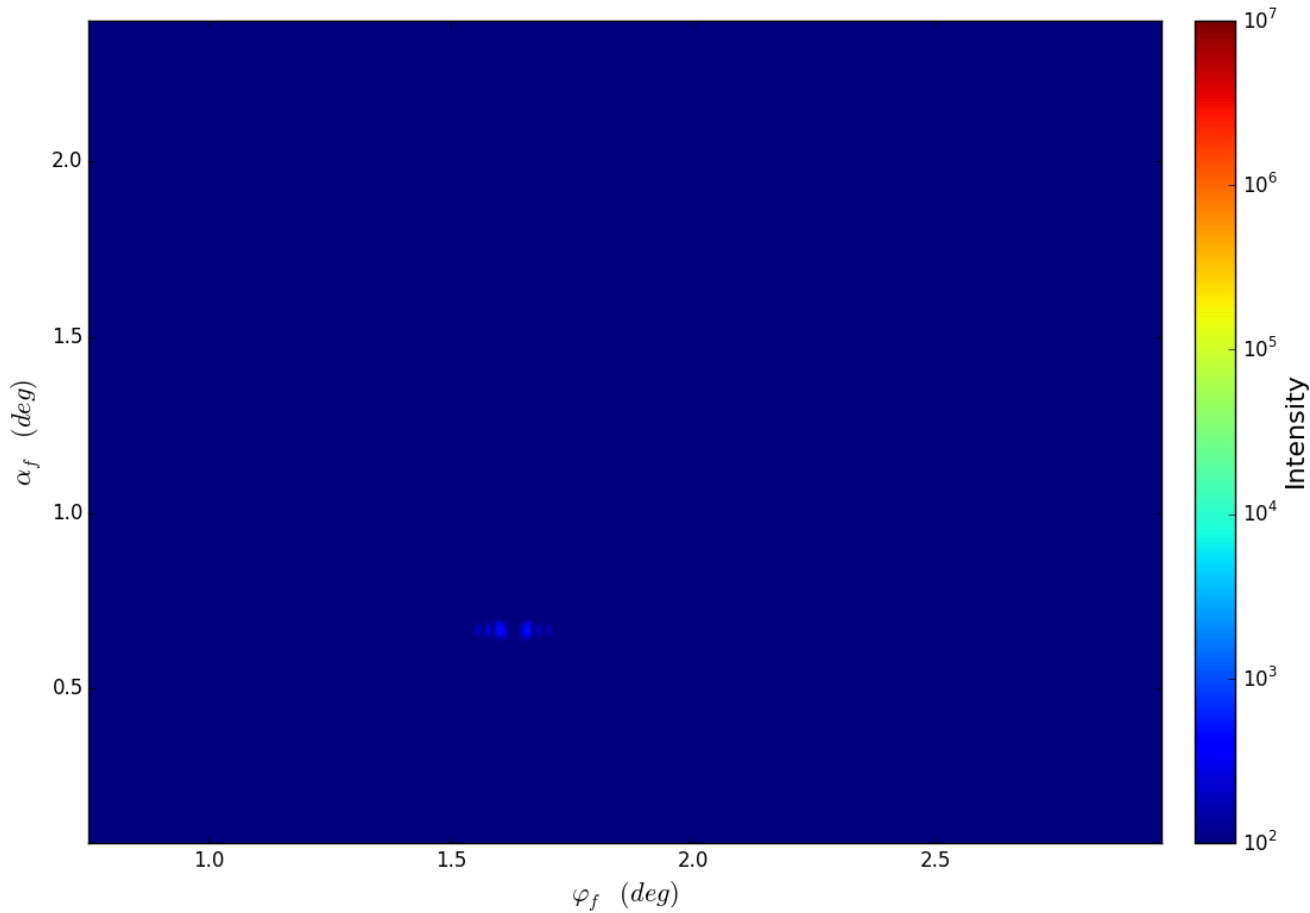
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.87

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            23
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

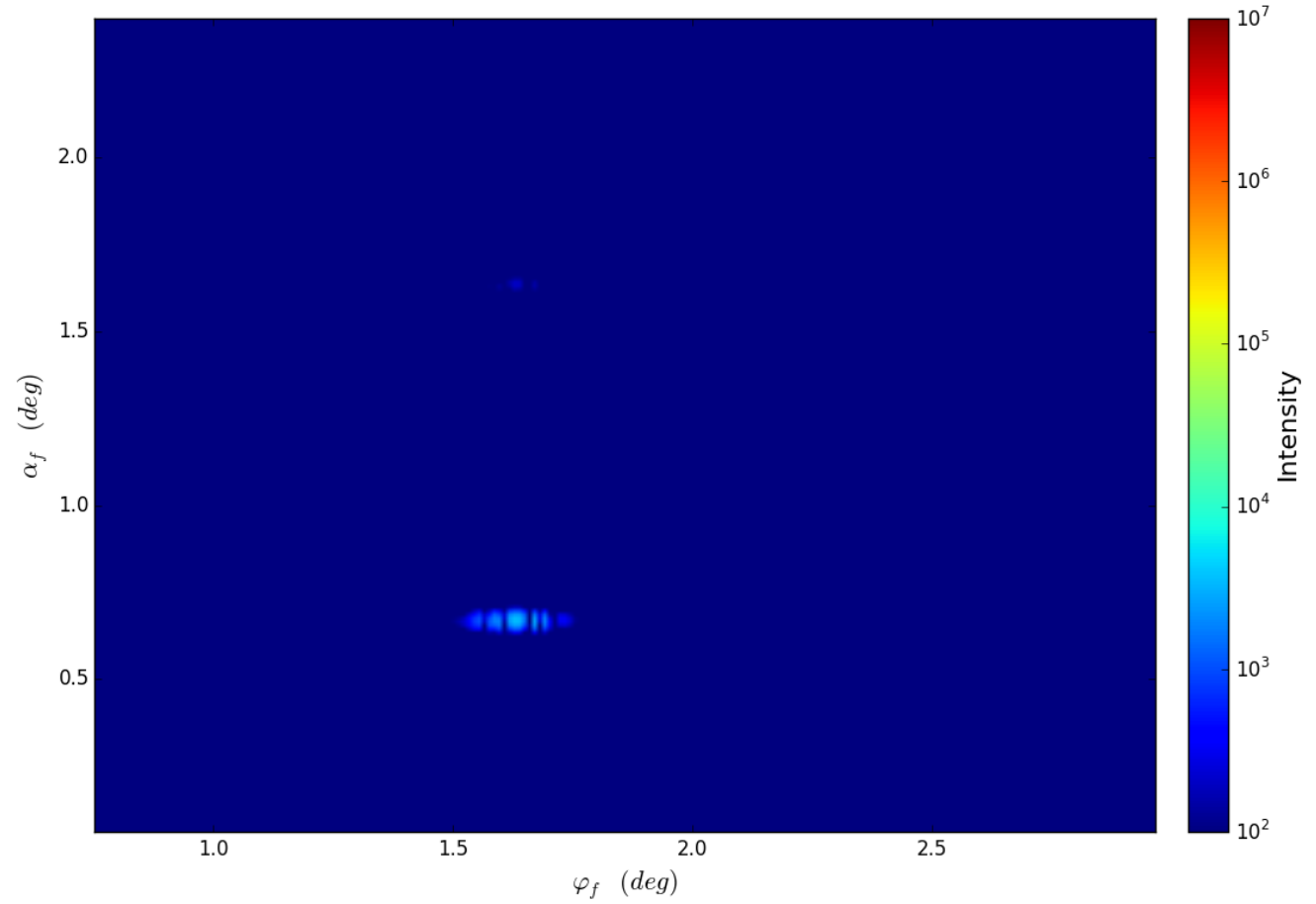
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.89

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            24
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

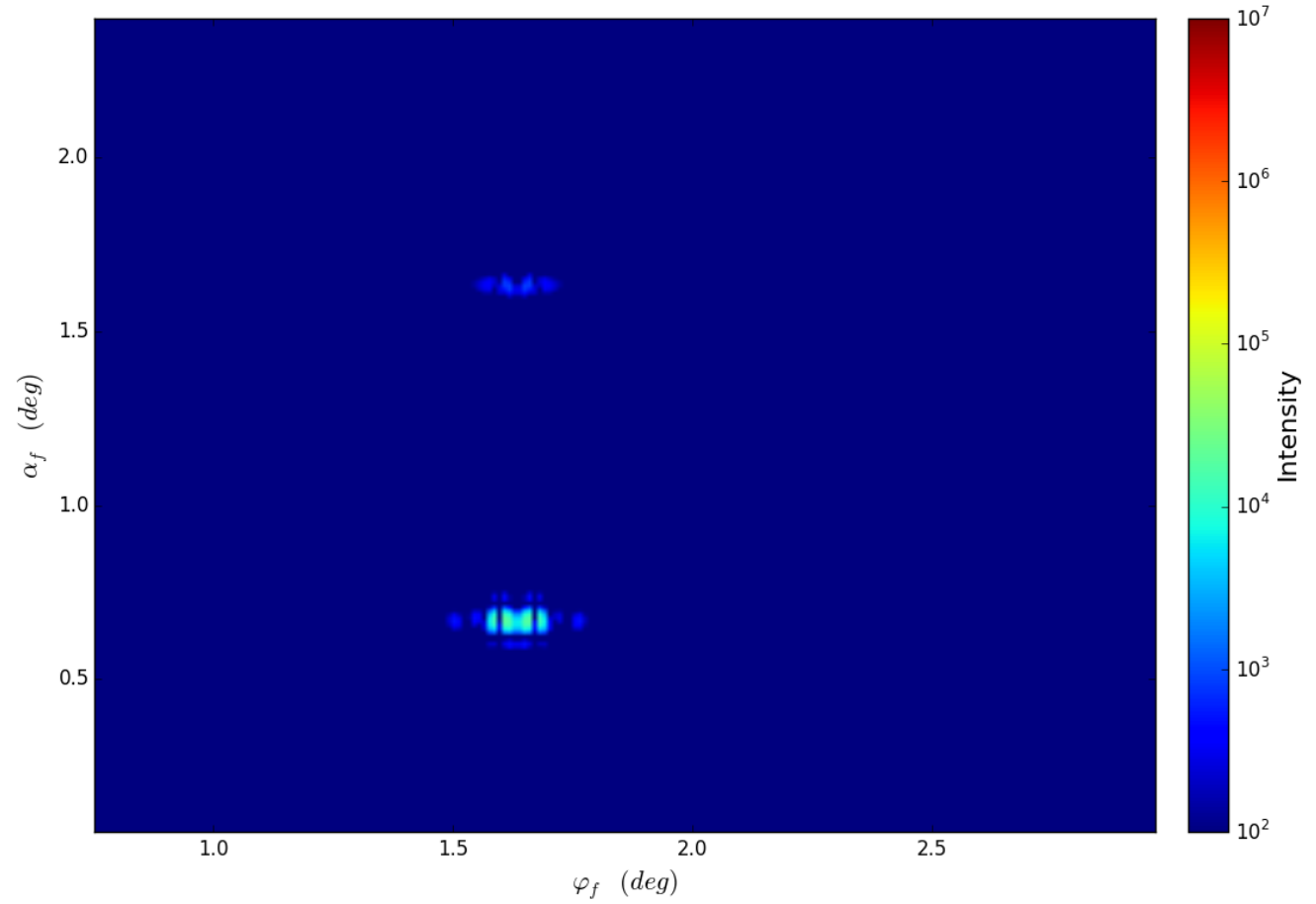
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.85

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            25
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

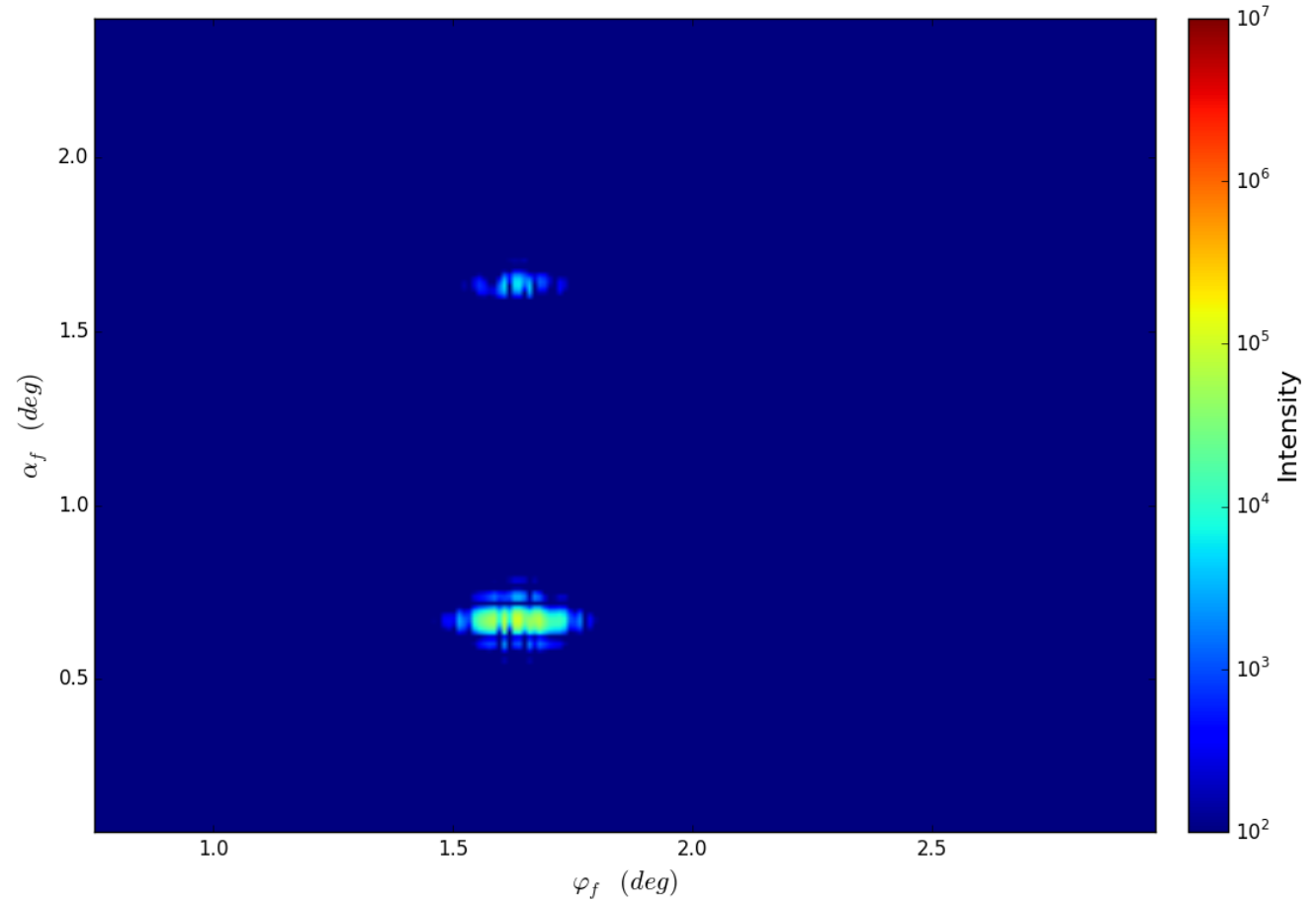
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.87

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius            800.0
m_nanoparticle_radius   5.0
m_nparticles             10
m_rotation_z             26
m_sigma_lattice_length_a 0.5
m_sigma_meso_height      20.0
m_sigma_meso_radius      20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

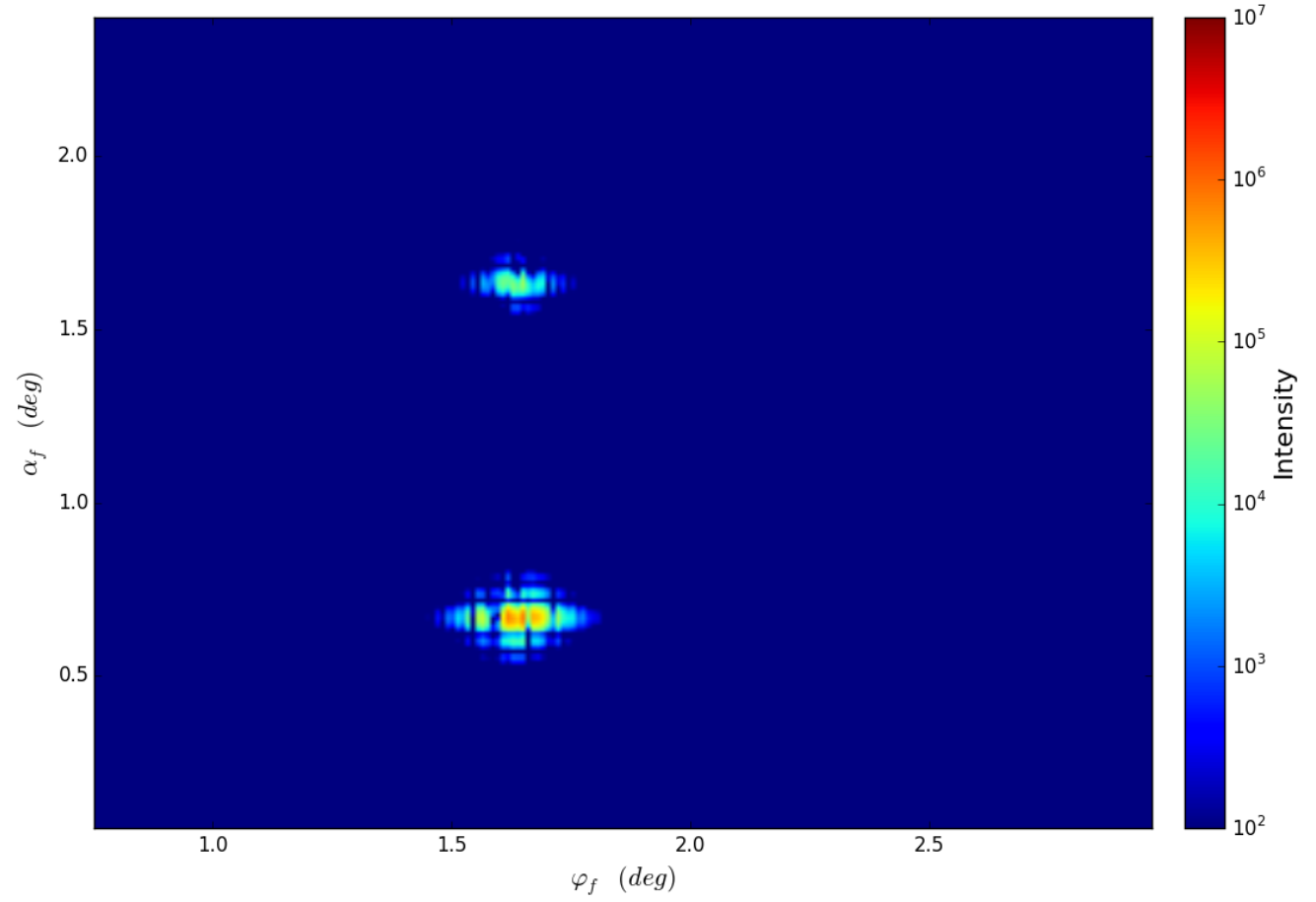
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.91

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            27
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

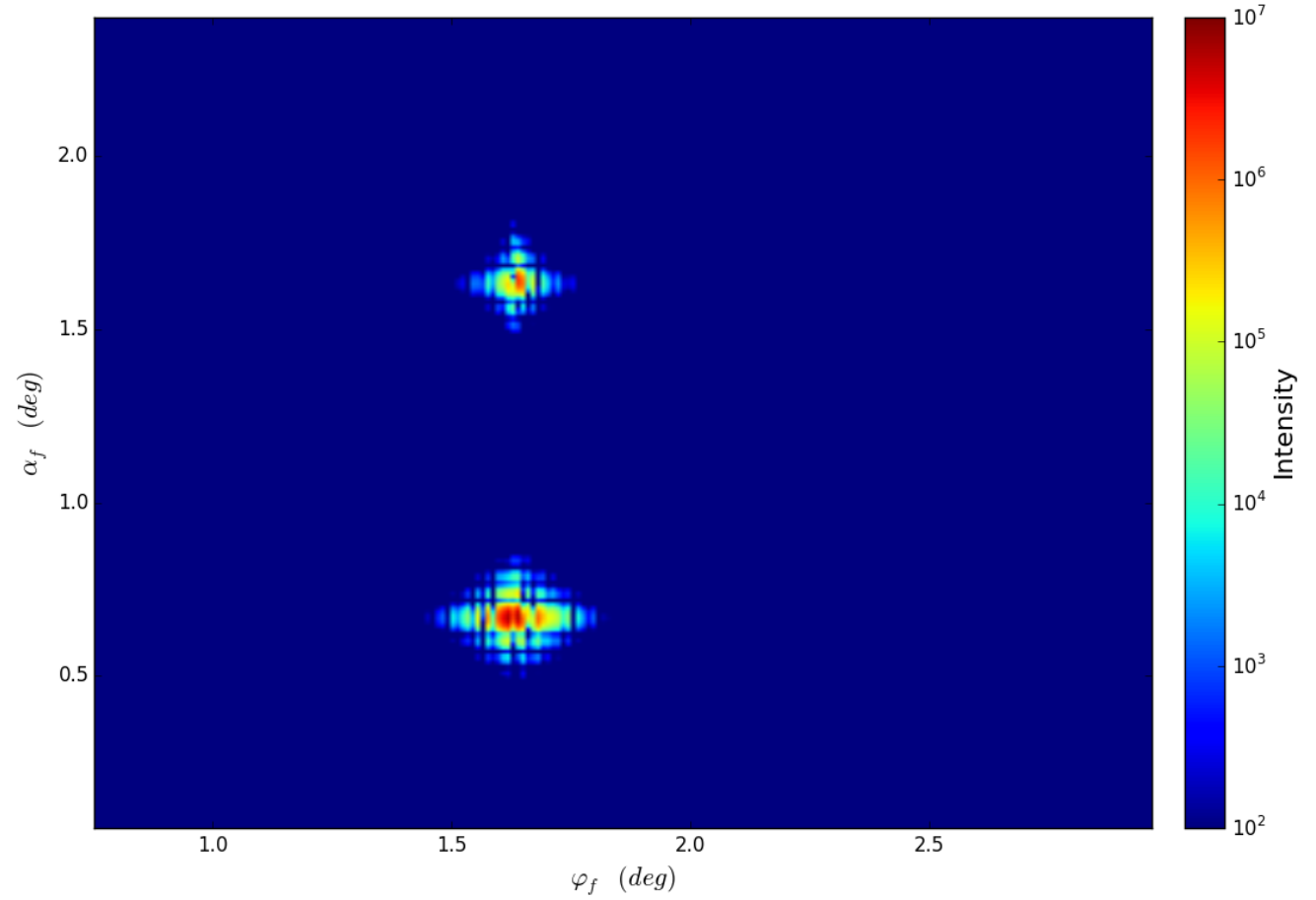
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend         1.87

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness              6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            28
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

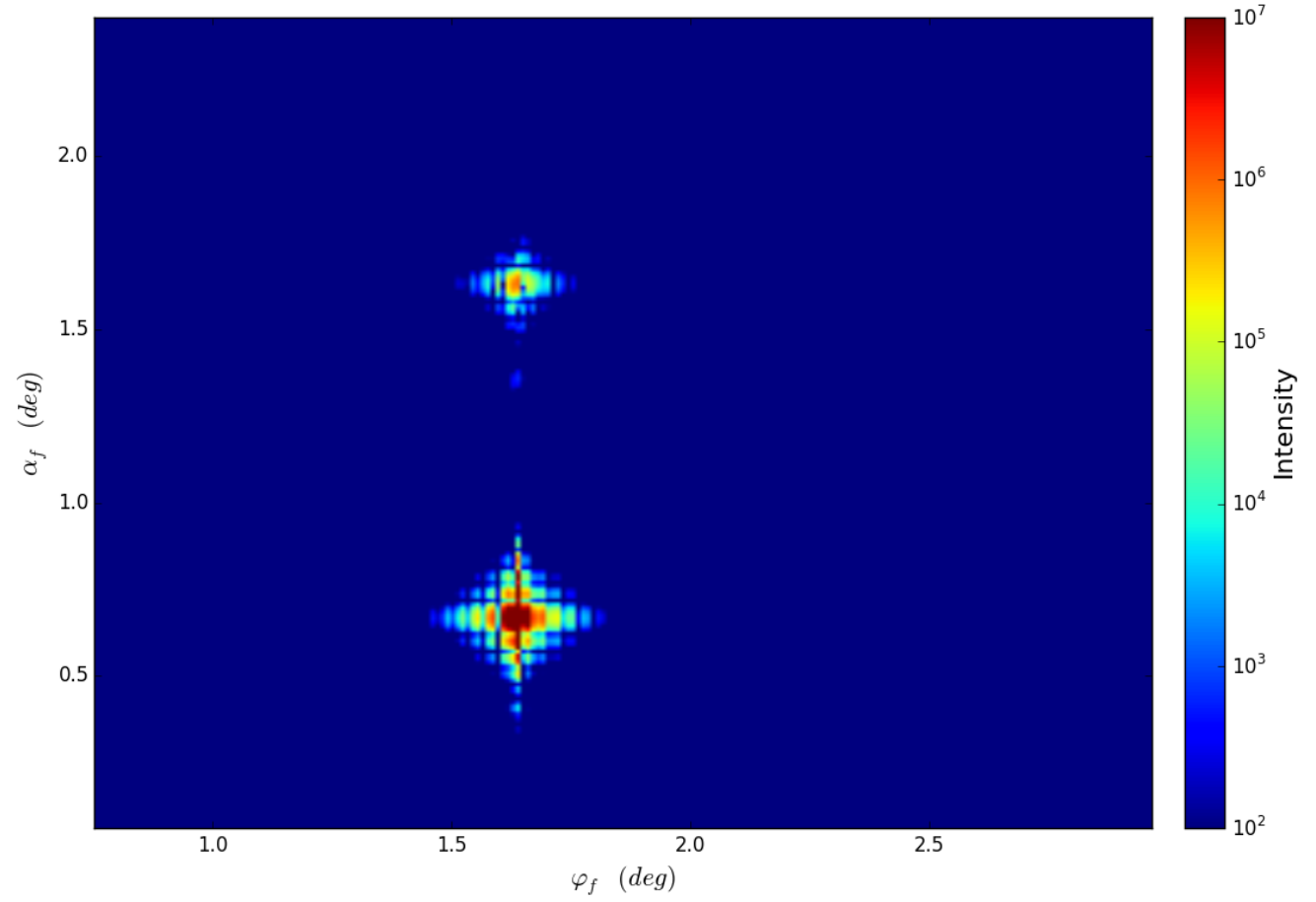
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.91

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            29
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

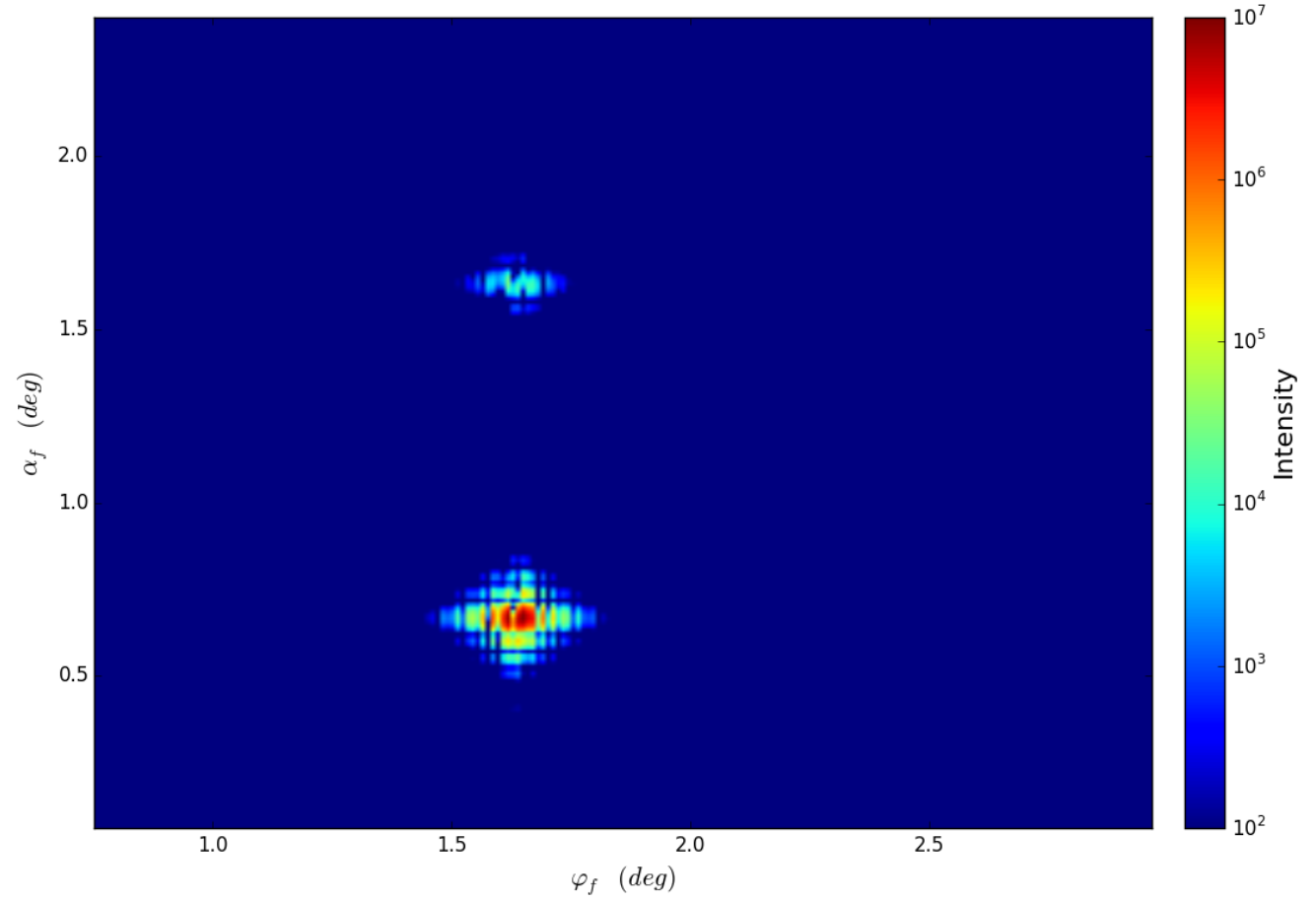
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.88

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            30
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

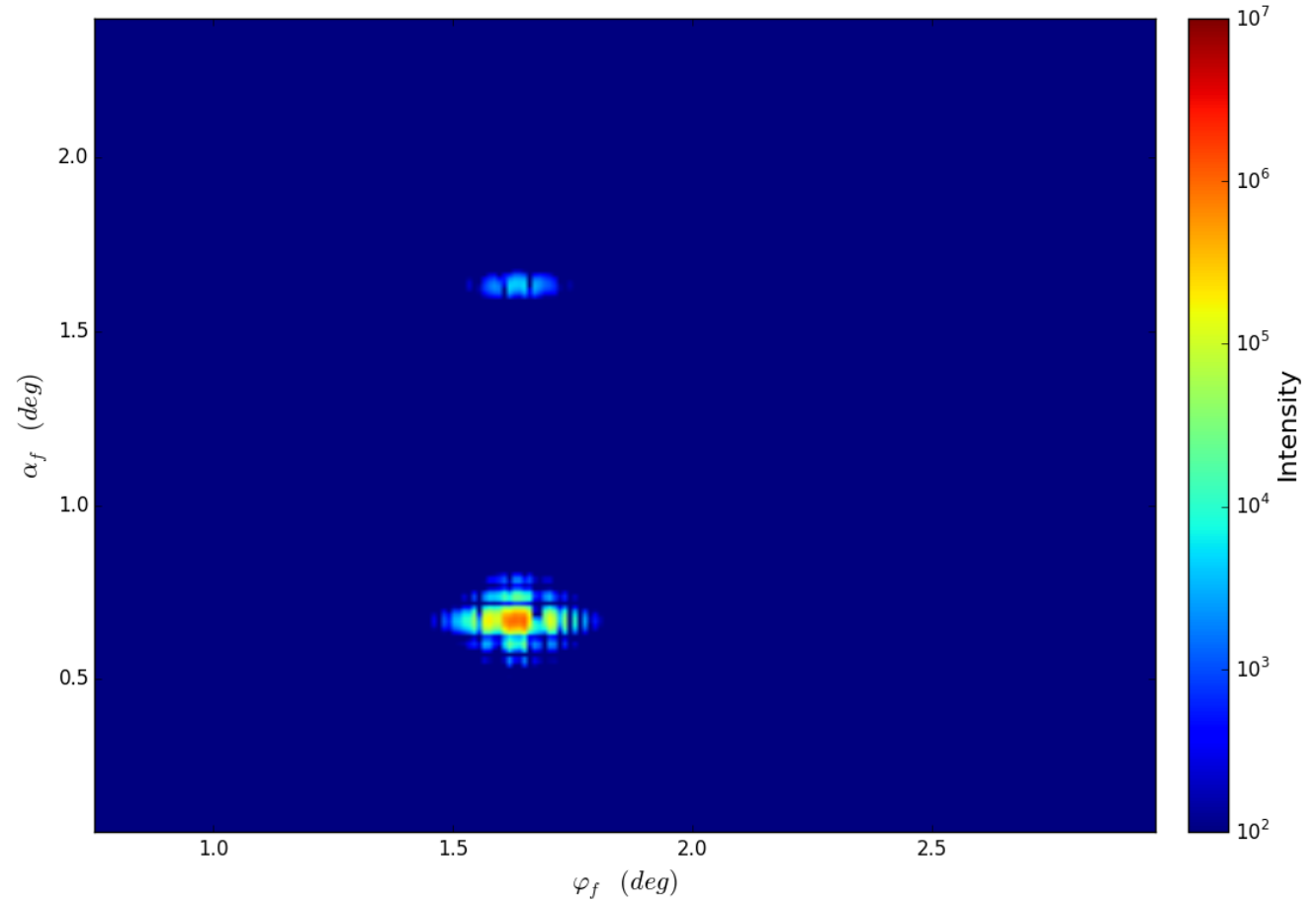
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend         1.89

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            31
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

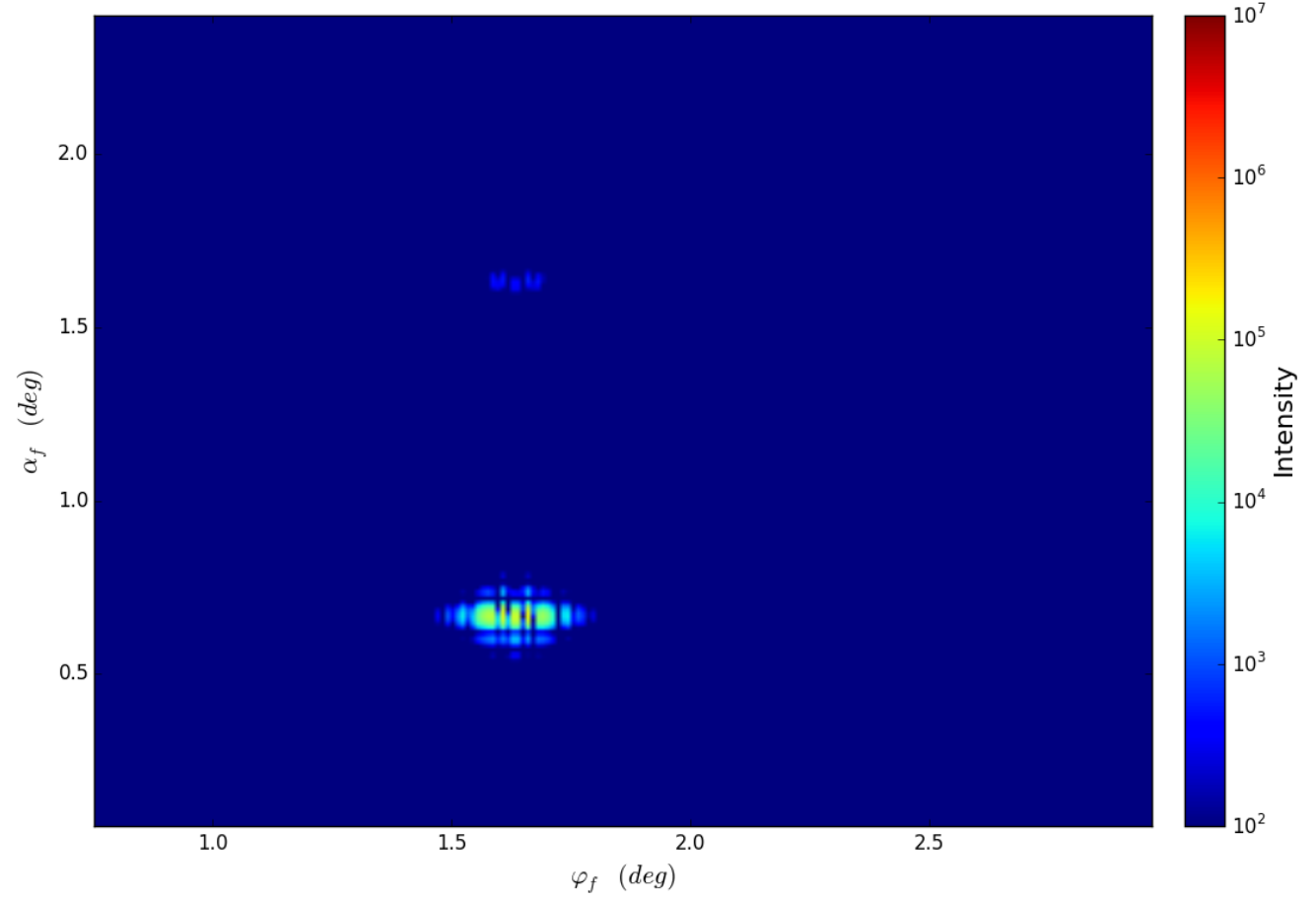
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.90

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius            800.0
m_nanoparticle_radius   5.0
m_nparticles             10
m_rotation_z             32
m_sigma_lattice_length_a 0.5
m_sigma_meso_height      20.0
m_sigma_meso_radius      20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

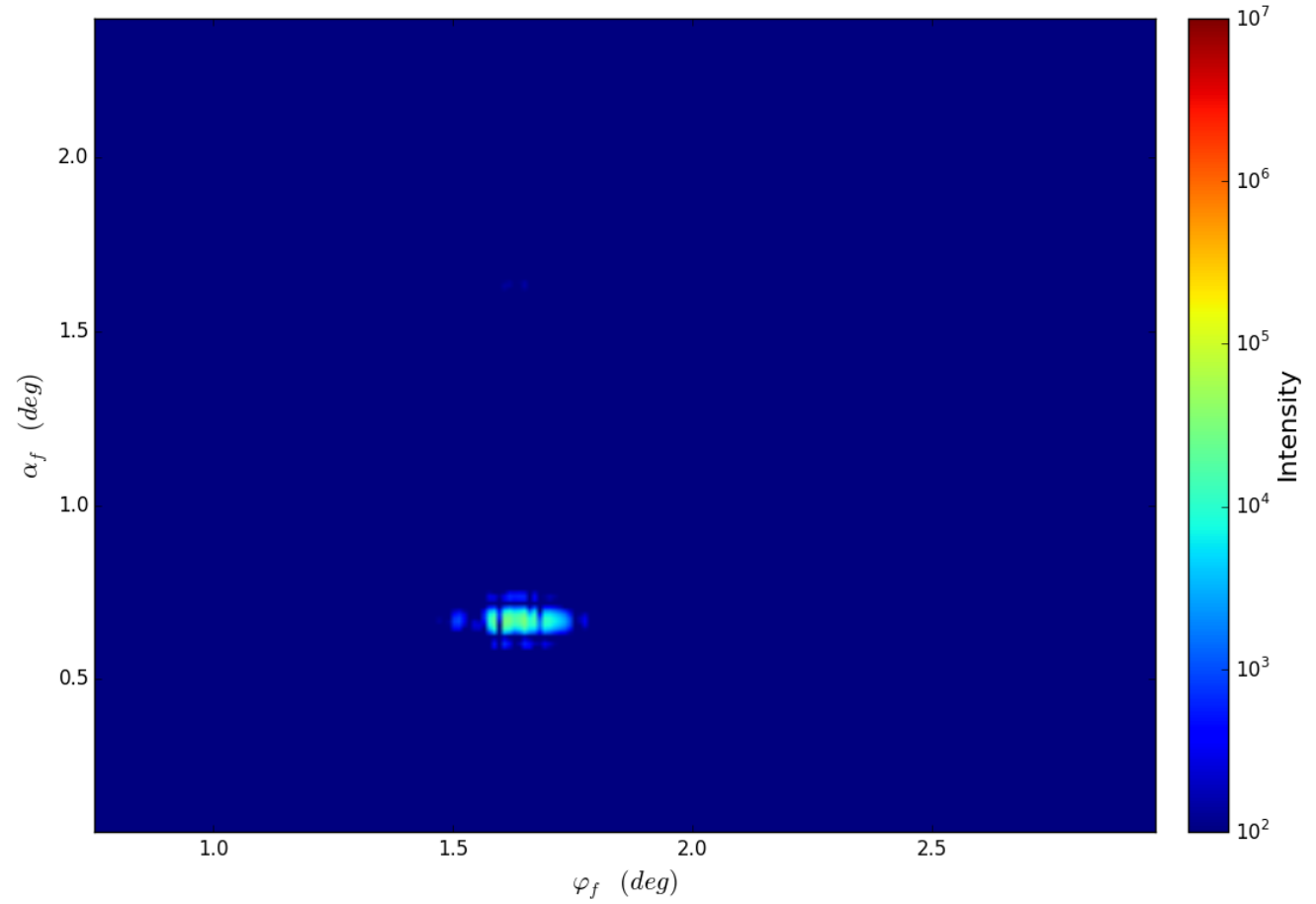
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.87

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            33
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

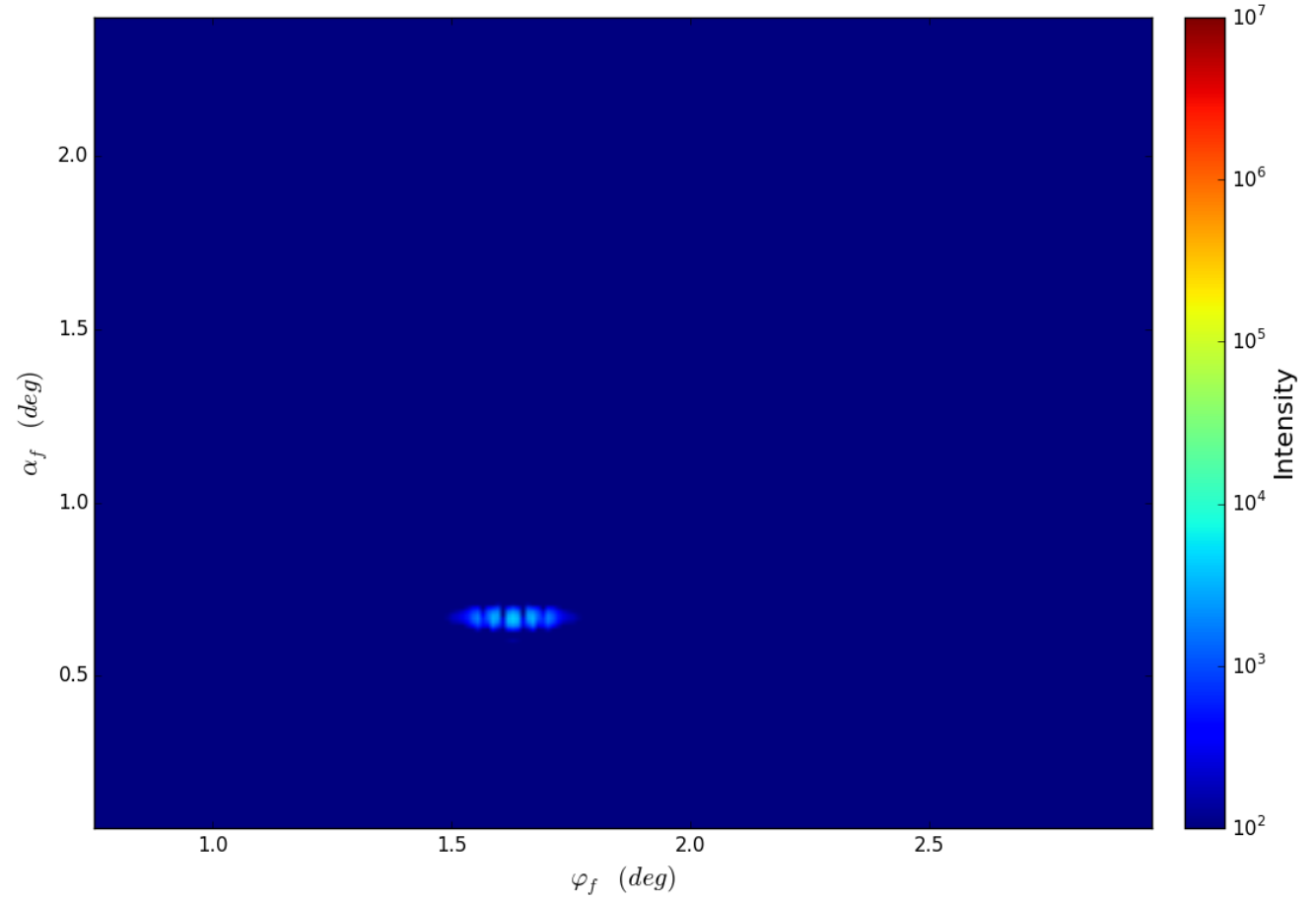
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.88

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius            800.0
m_nanoparticle_radius    5.0
m_nparticles             10
m_rotation_z             34
m_sigma_lattice_length_a 0.5
m_sigma_meso_height      20.0
m_sigma_meso_radius      20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

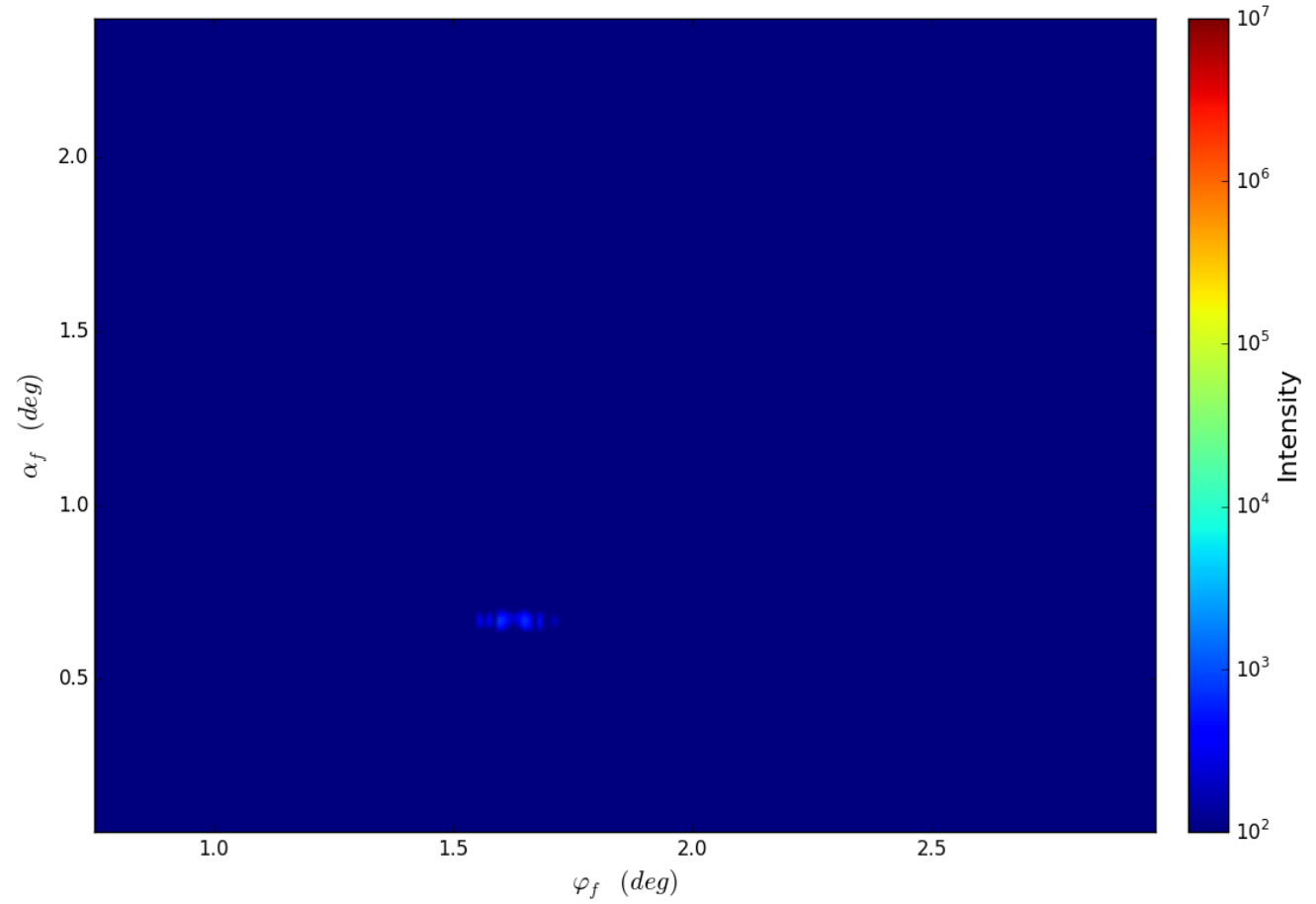
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.90

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            35
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

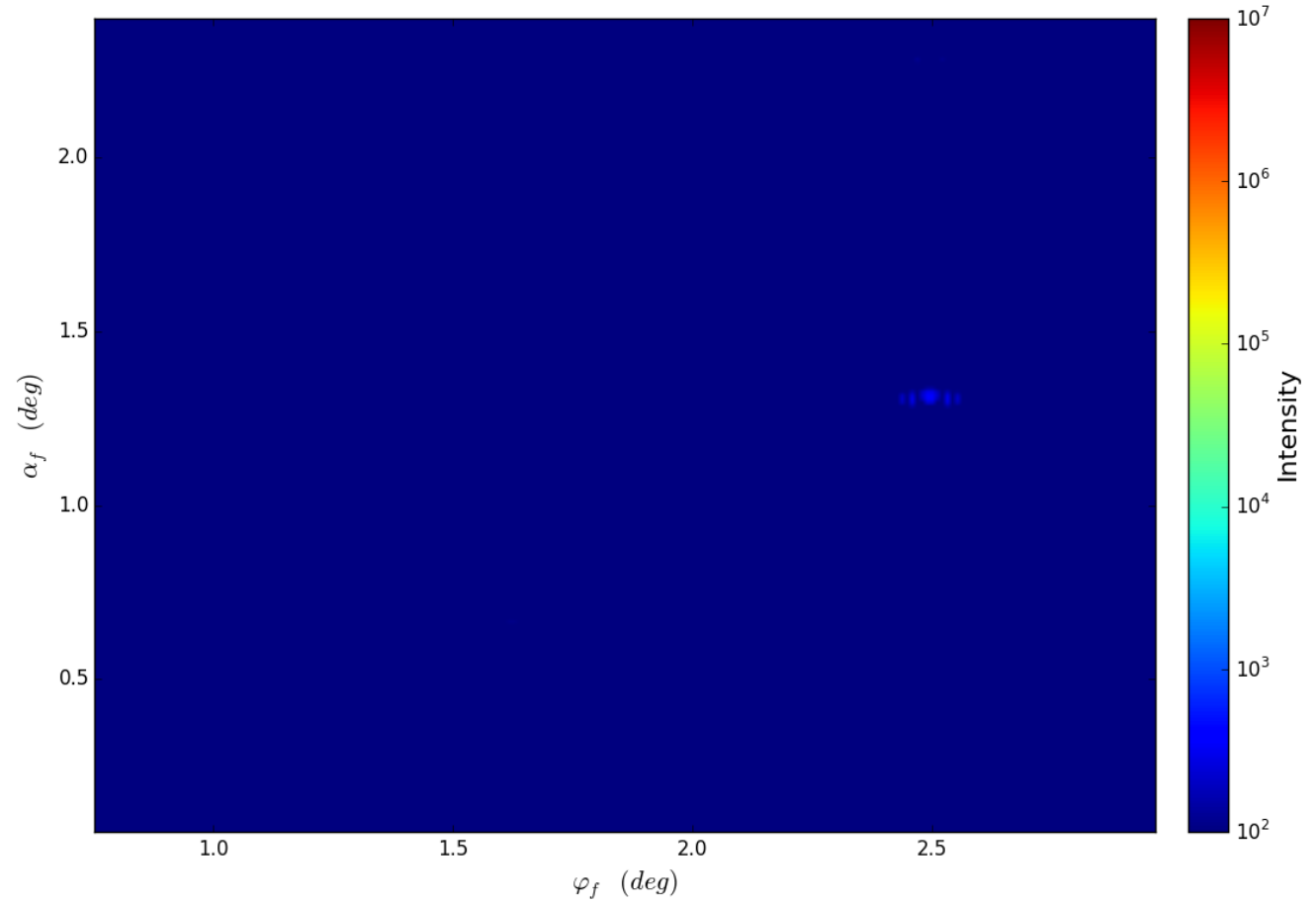
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.86

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            36
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

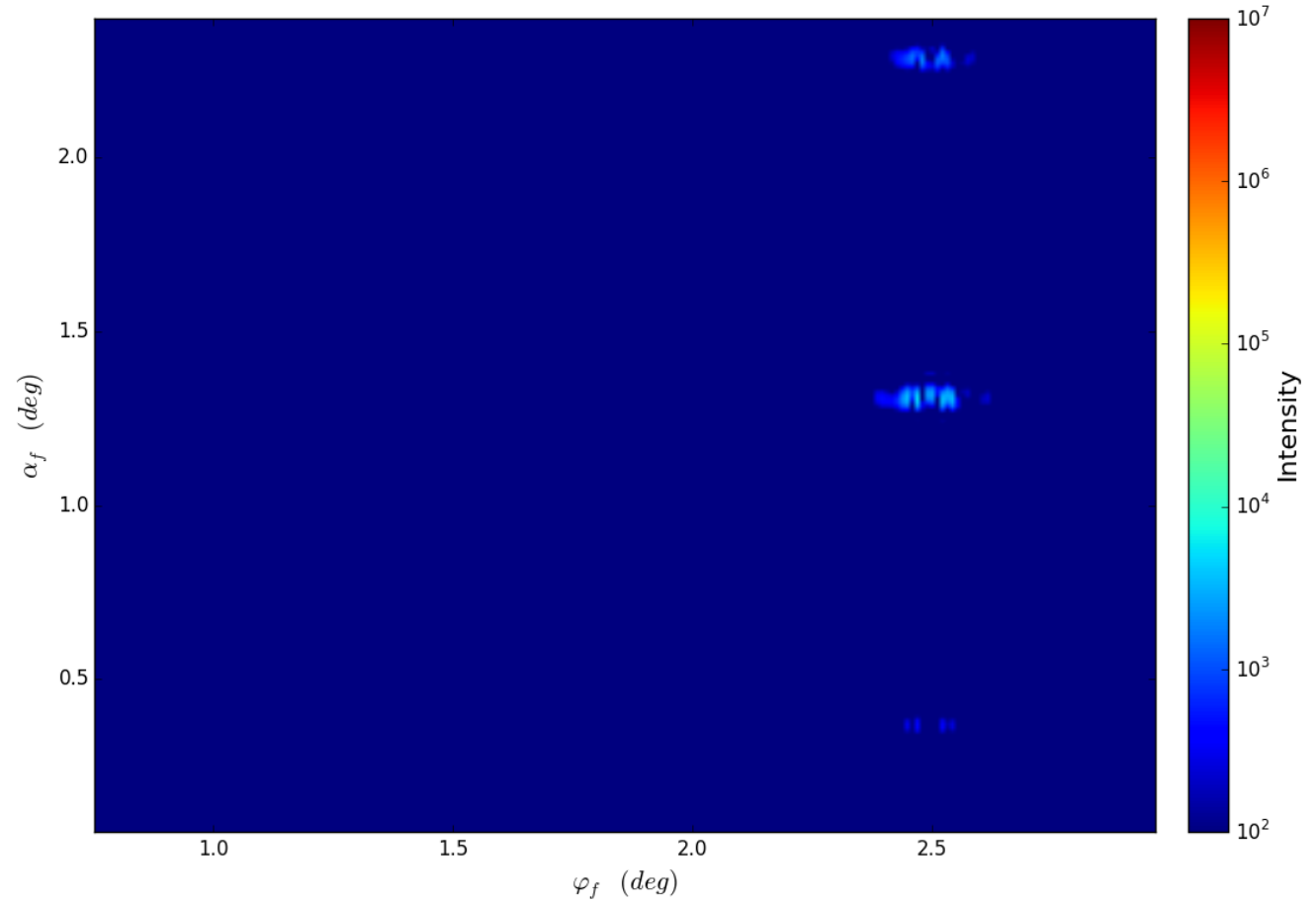
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.91

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius            800.0
m_nanoparticle_radius    5.0
m_nparticles             10
m_rotation_z             37
m_sigma_lattice_length_a 0.5
m_sigma_meso_height      20.0
m_sigma_meso_radius      20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

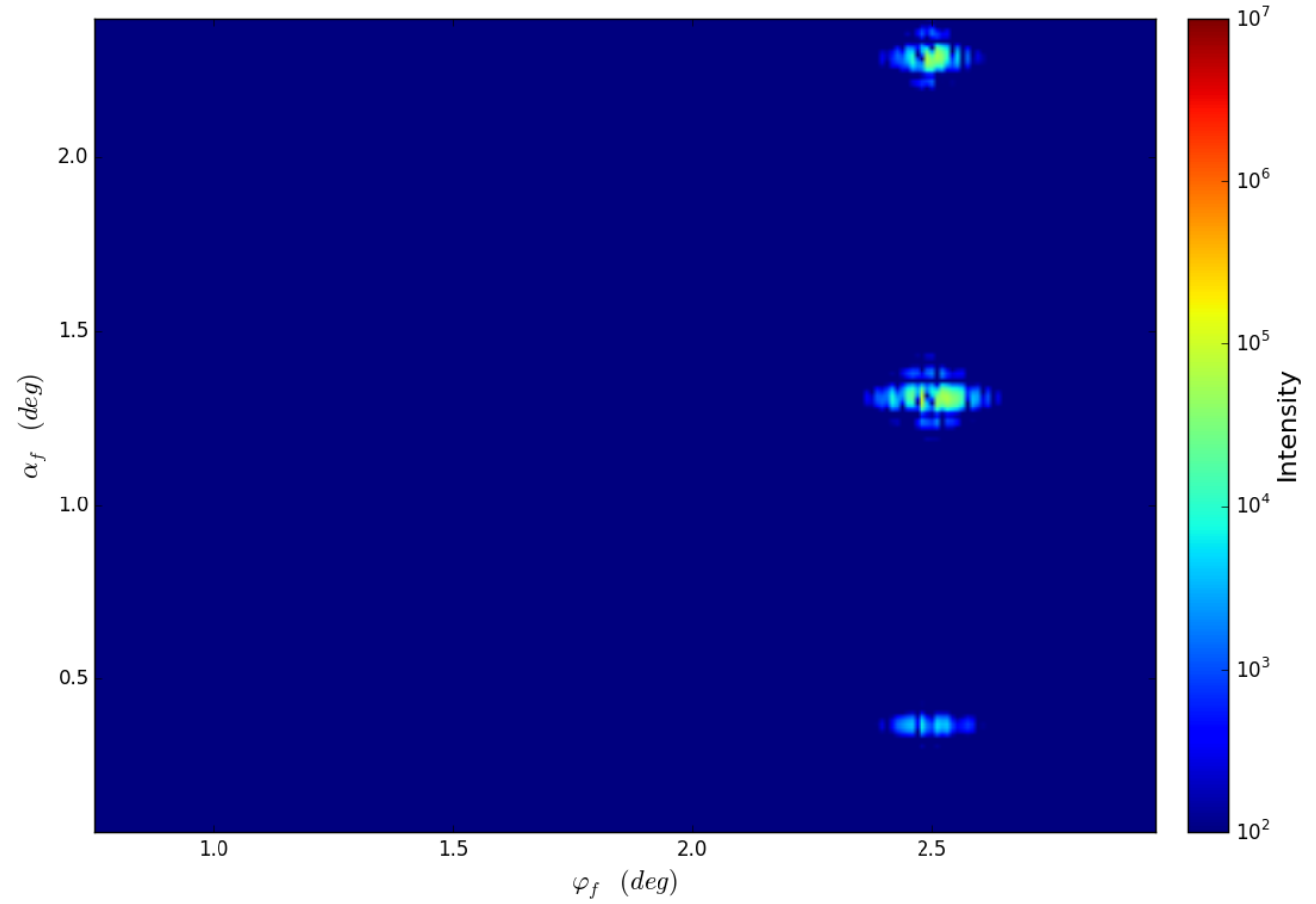
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.86

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius            800.0
m_nanoparticle_radius   5.0
m_nparticles             10
m_rotation_z            38
m_sigma_lattice_length_a 0.5
m_sigma_meso_height      20.0
m_sigma_meso_radius      20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

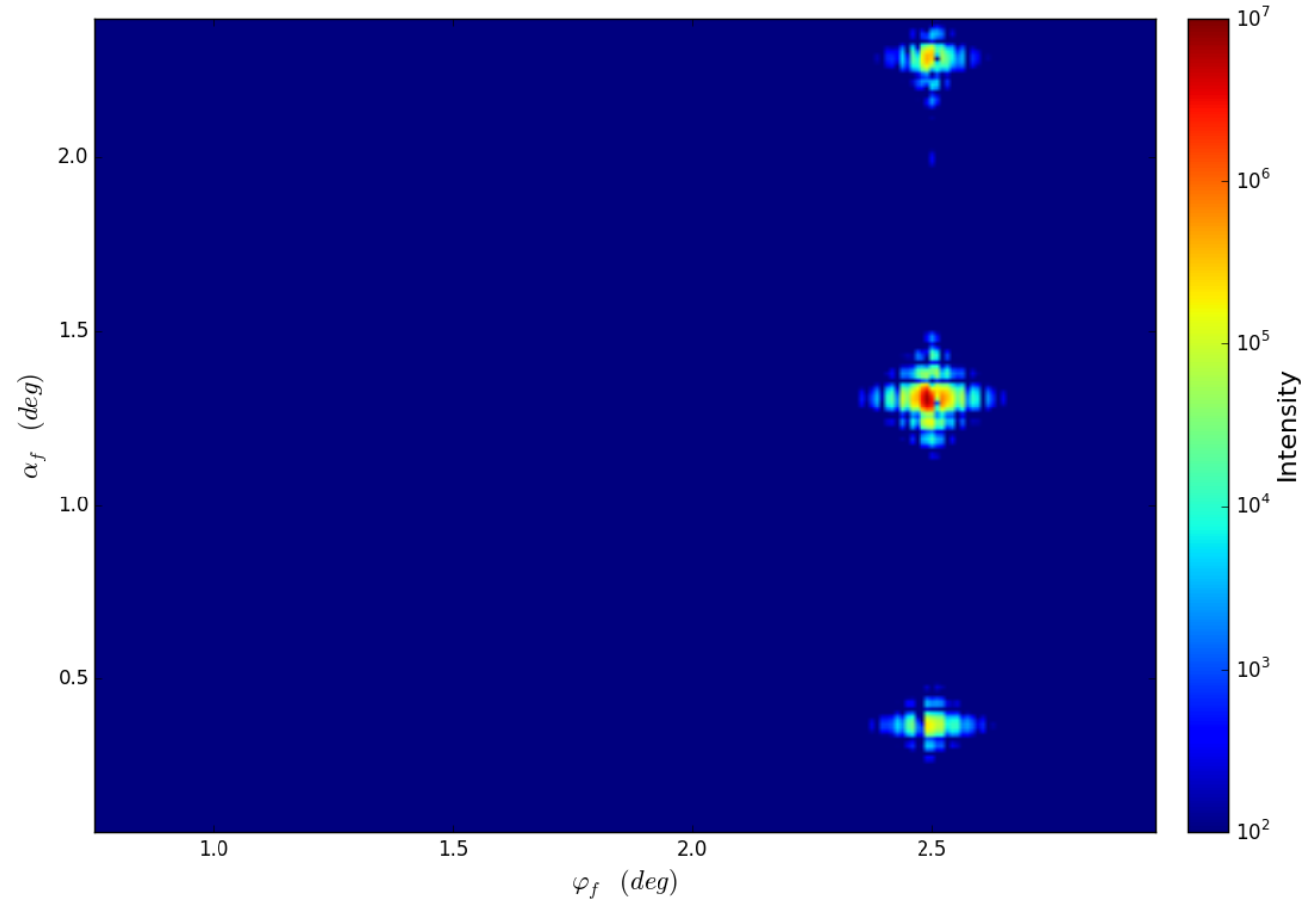
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend         1.88

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius            800.0
m_nanoparticle_radius    5.0
m_nparticles             10
m_rotation_z             39
m_sigma_lattice_length_a 0.5
m_sigma_meso_height      20.0
m_sigma_meso_radius      20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

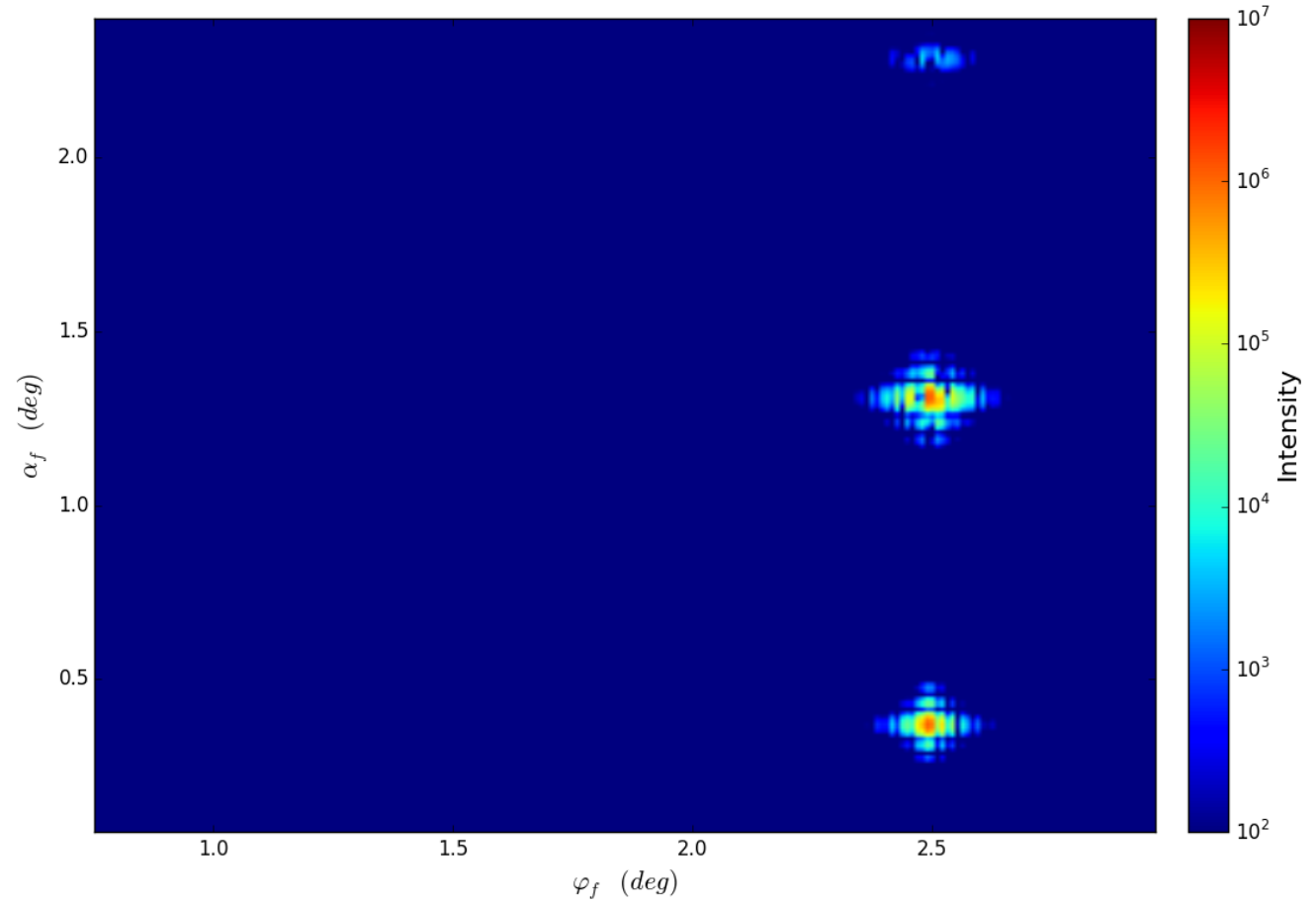
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.89

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius            800.0
m_nanoparticle_radius   5.0
m_nparticles             10
m_rotation_z             40
m_sigma_lattice_length_a 0.5
m_sigma_meso_height      20.0
m_sigma_meso_radius      20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

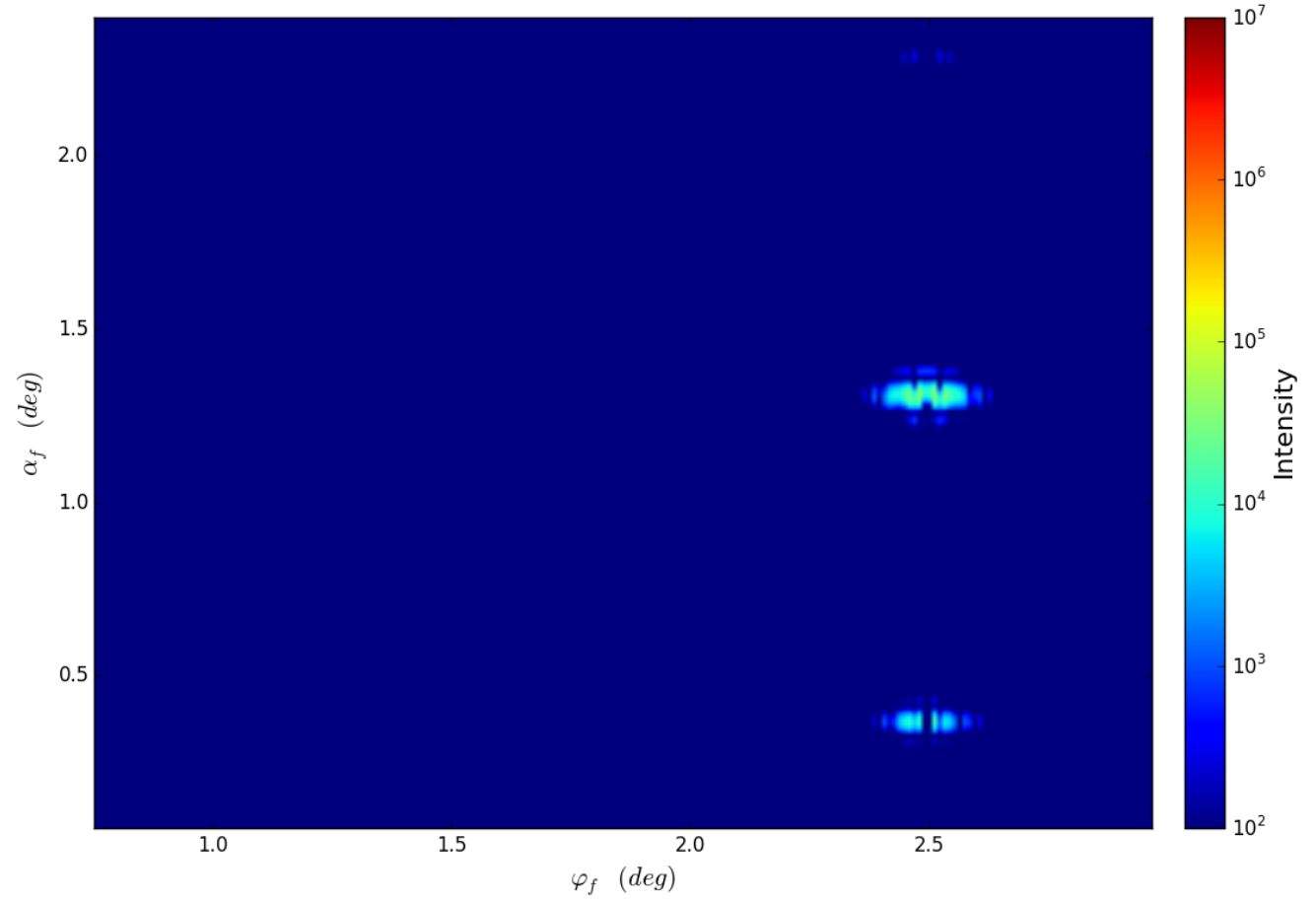
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.89

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            41
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

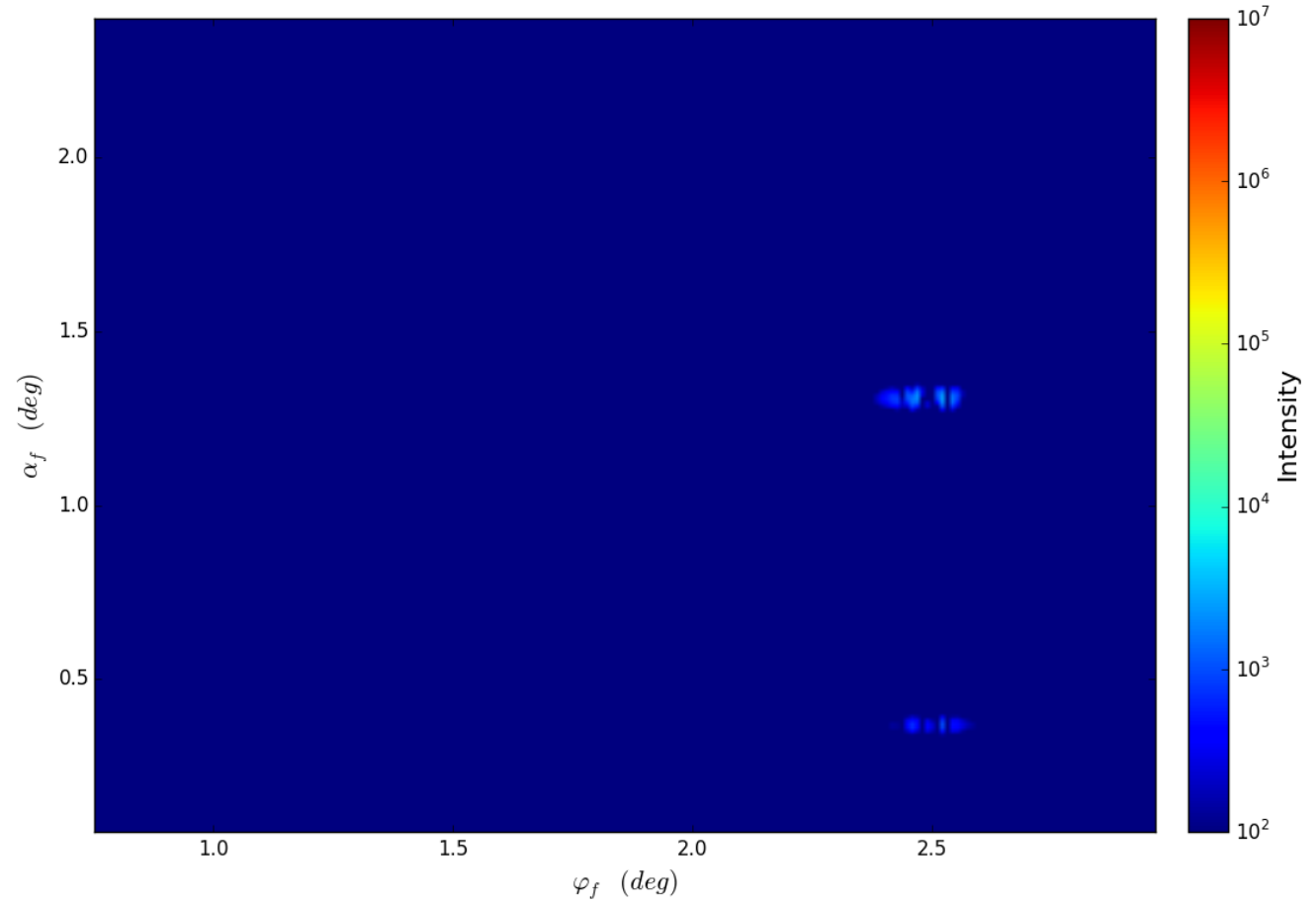
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.89

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius            800.0
m_nanoparticle_radius   5.0
m_nparticles             10
m_rotation_z             42
m_sigma_lattice_length_a 0.5
m_sigma_meso_height      20.0
m_sigma_meso_radius      20.0
m_sigma_nanoparticle_radius 0.3
```



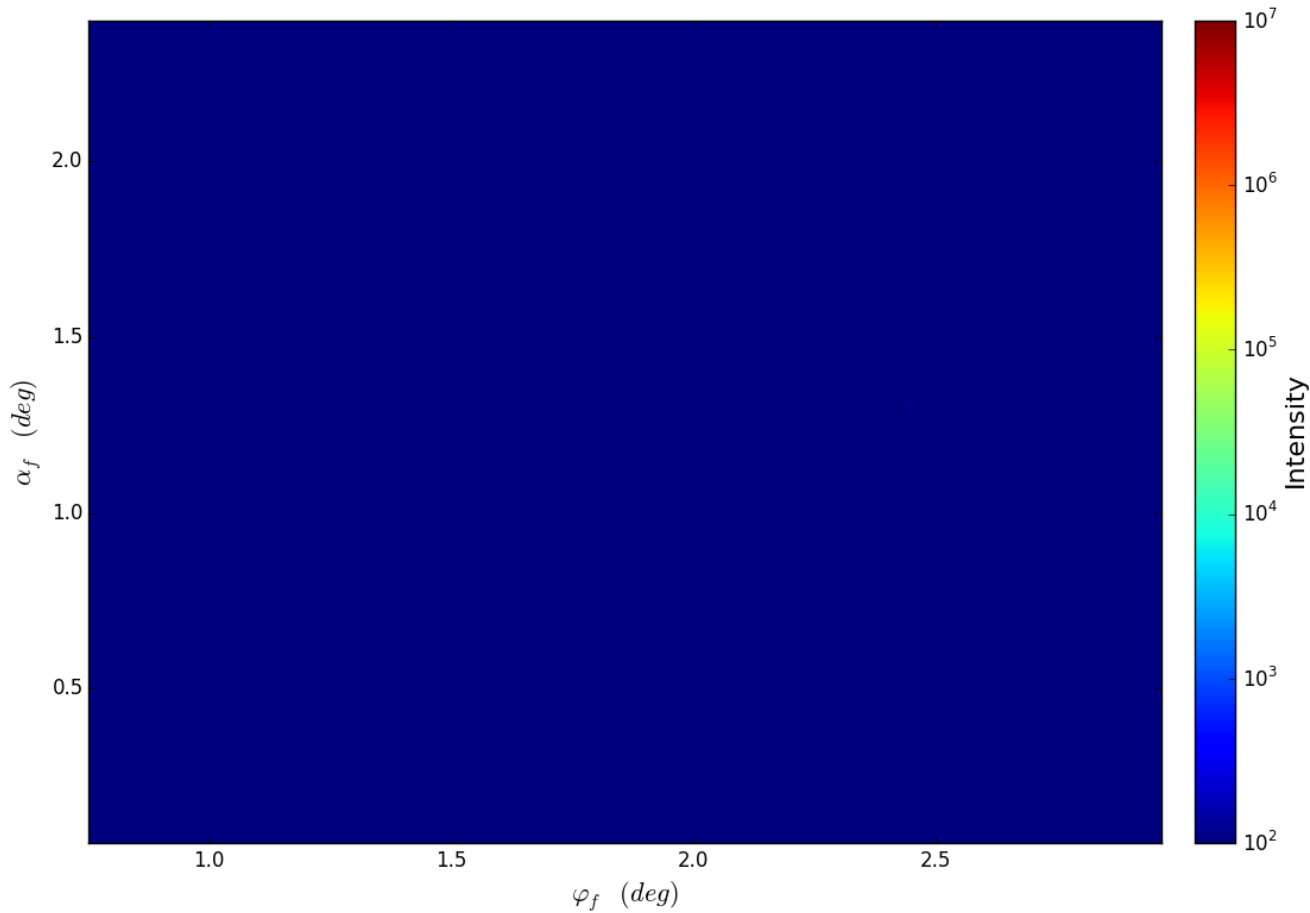
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.88

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            43
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



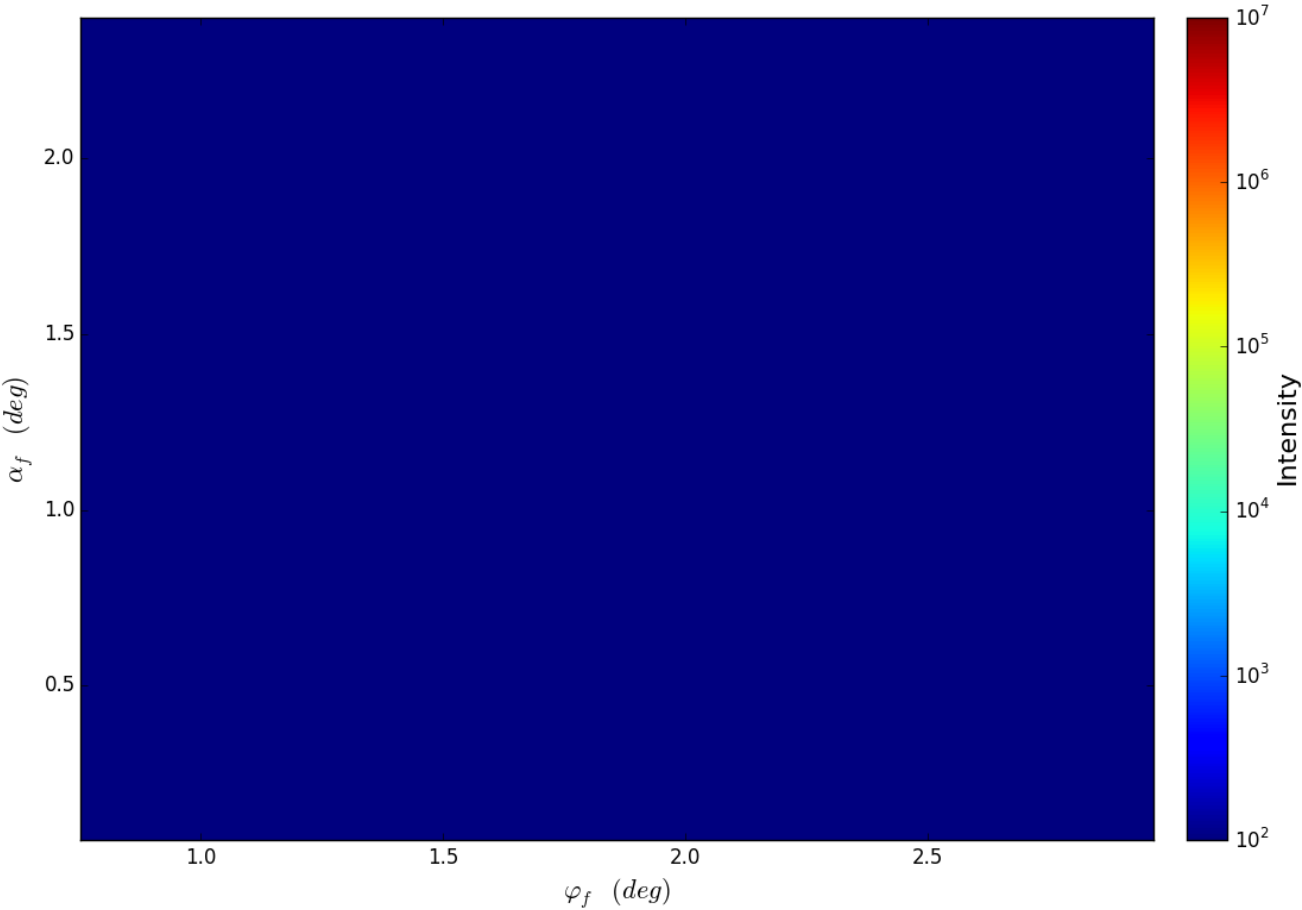
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.93

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius            800.0
m_nanoparticle_radius   5.0
m_nparticles             10
m_rotation_z            44
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



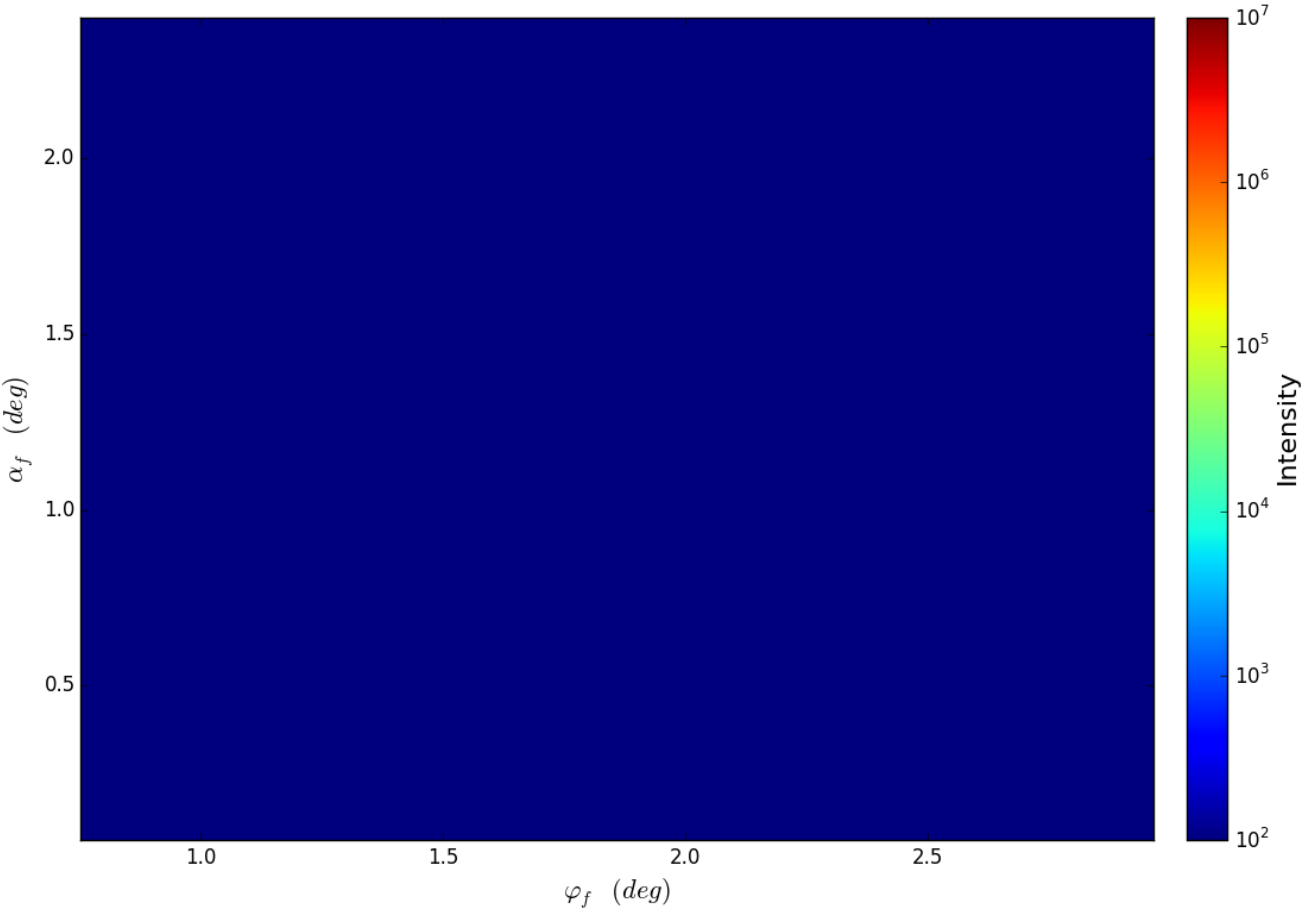
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.93

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius            800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            45
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



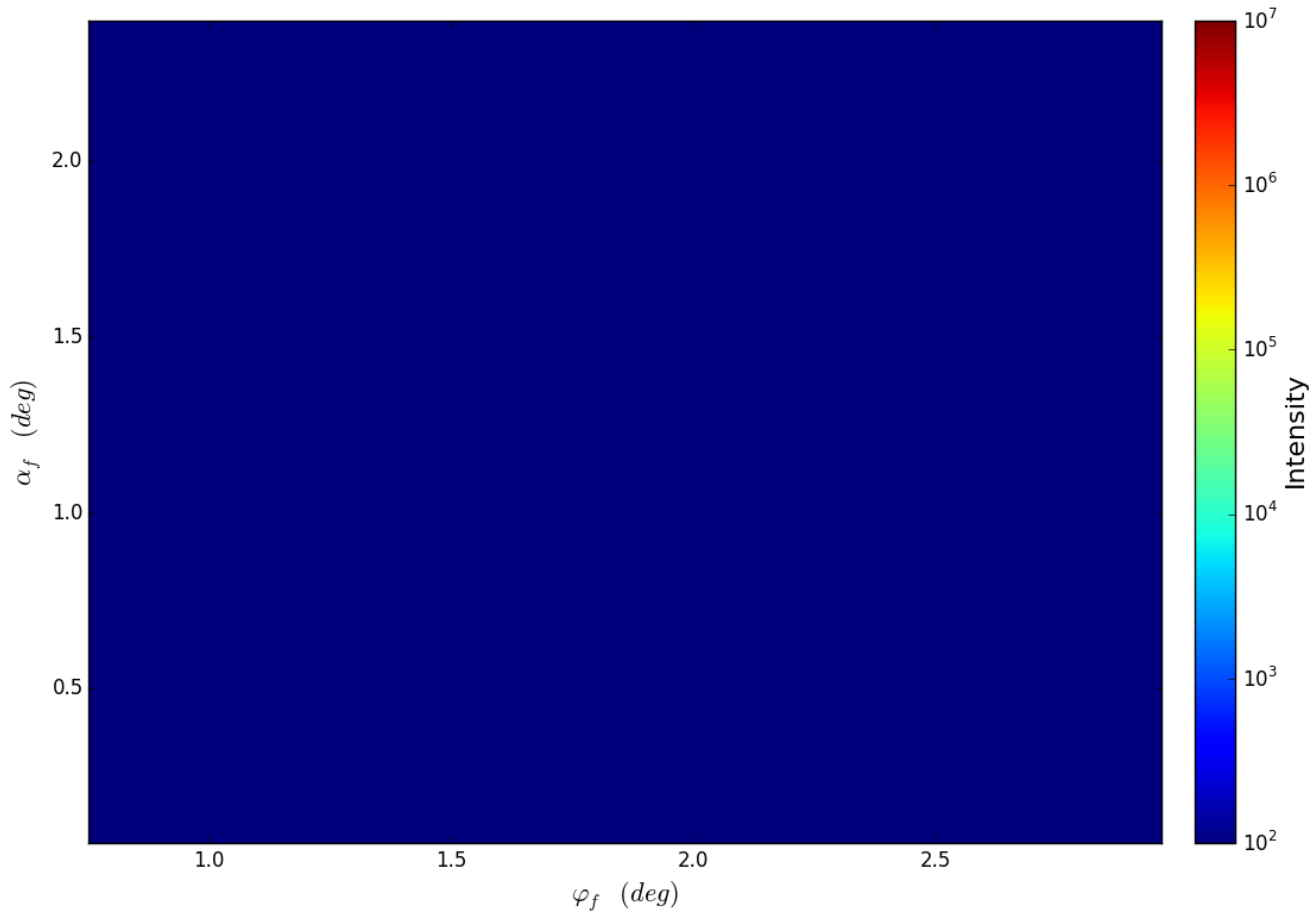
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.91

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius            800.0
m_nanoparticle_radius   5.0
m_nparticles             10
m_rotation_z            46
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



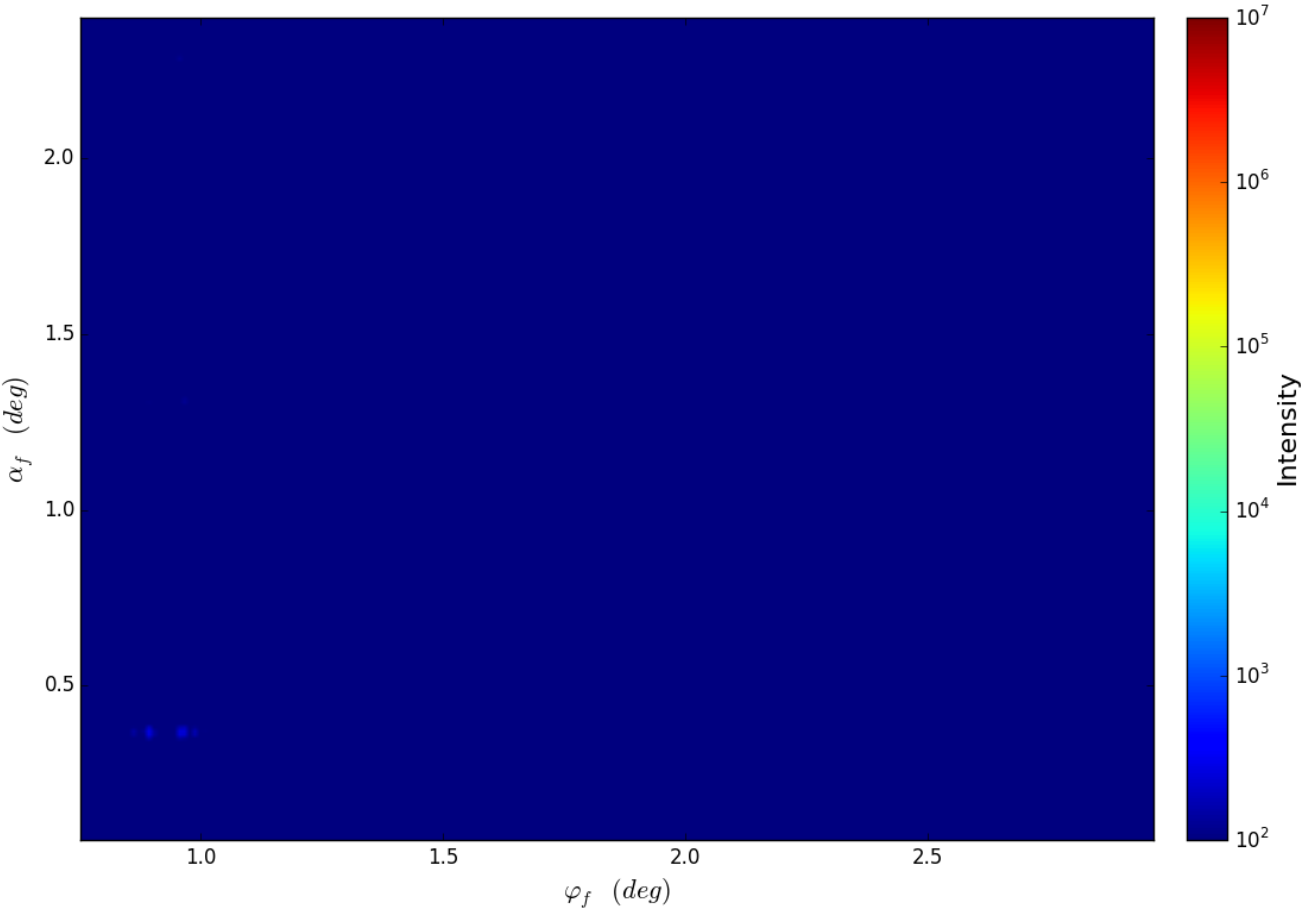

```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.96

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius            800.0
m_nanoparticle_radius   5.0
m_nparticles             10
m_rotation_z            47
m_sigma_lattice_length_a 0.5
m_sigma_meso_height      20.0
m_sigma_meso_radius      20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

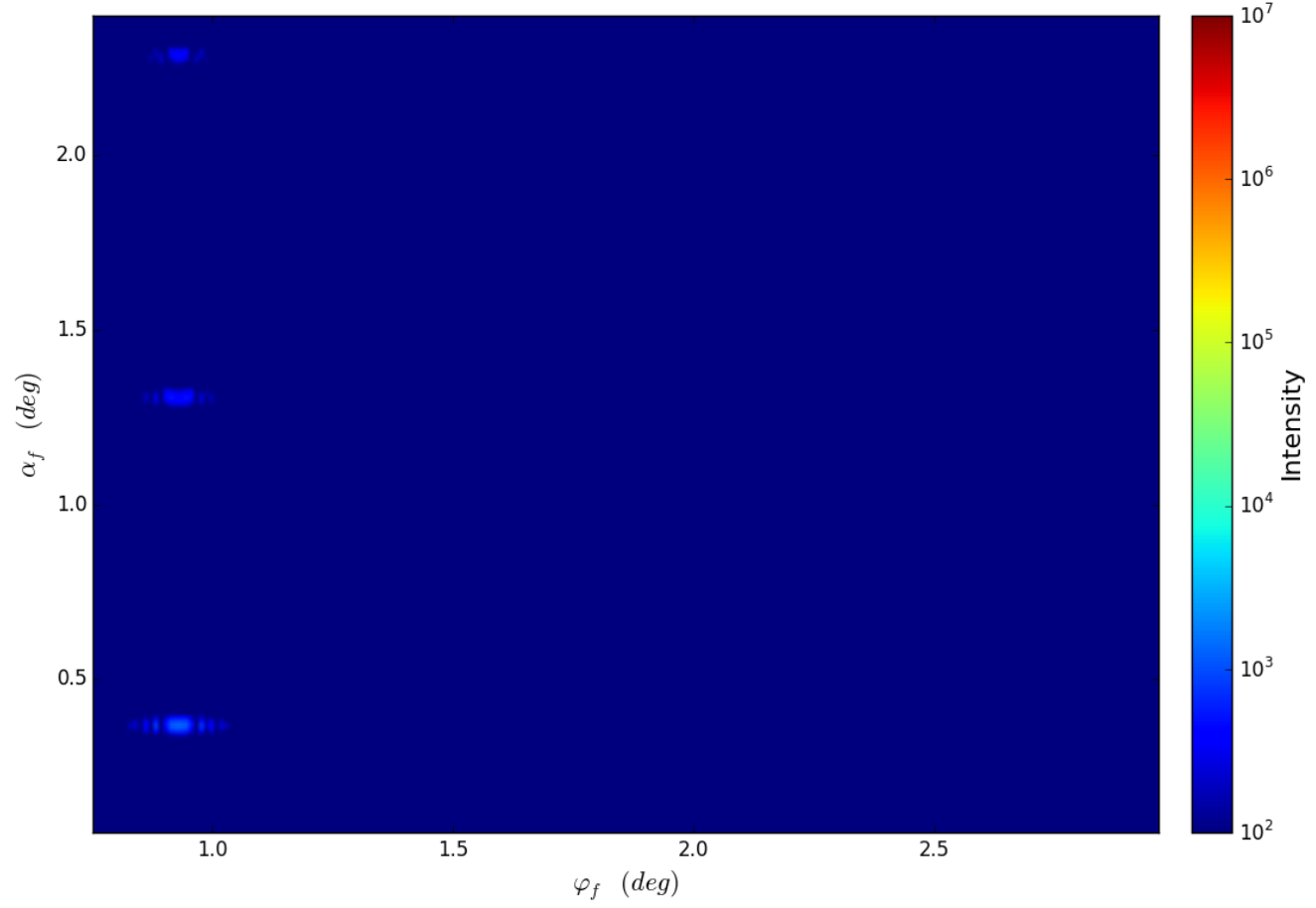
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.97

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            48
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

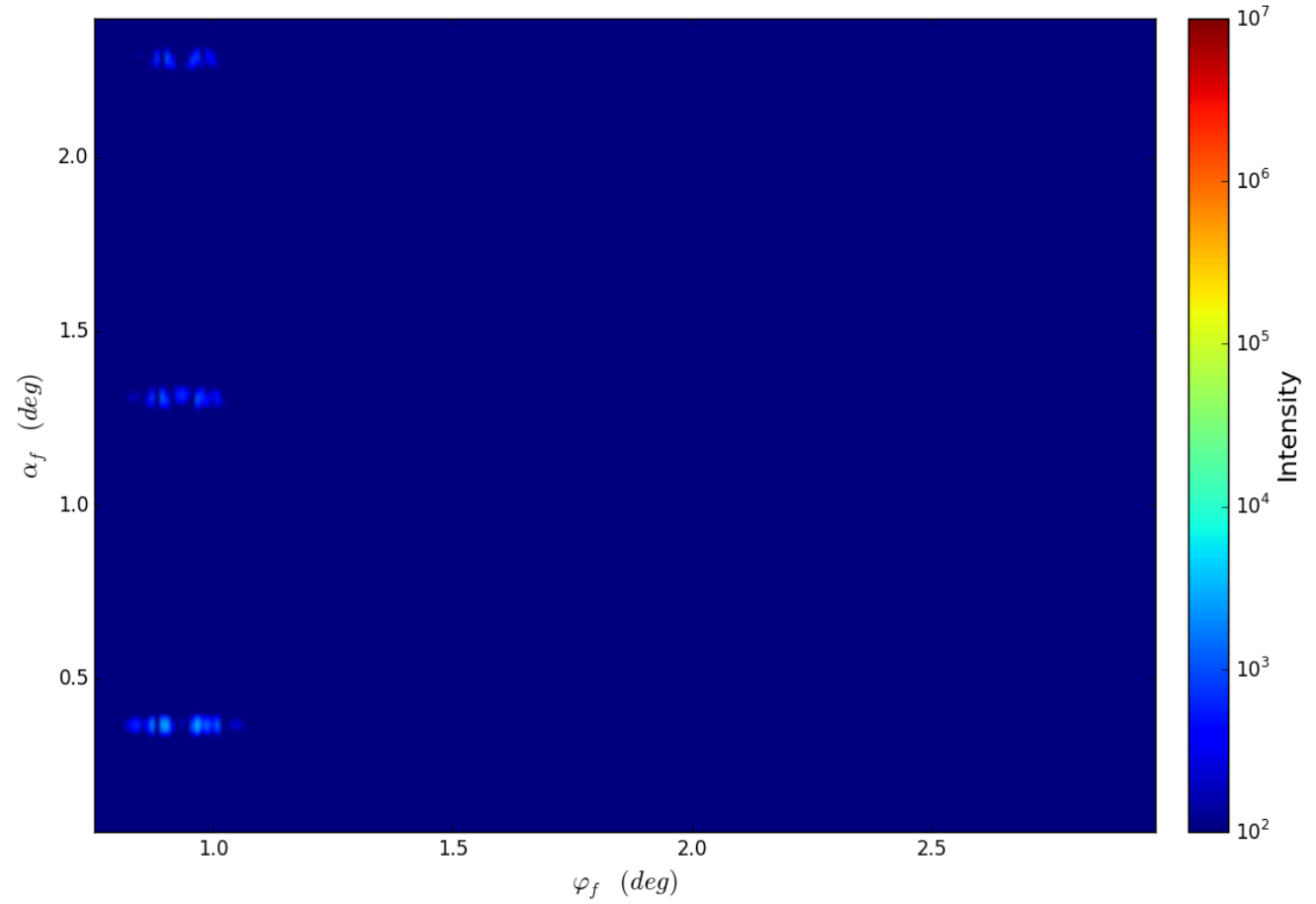
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.95

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            49
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

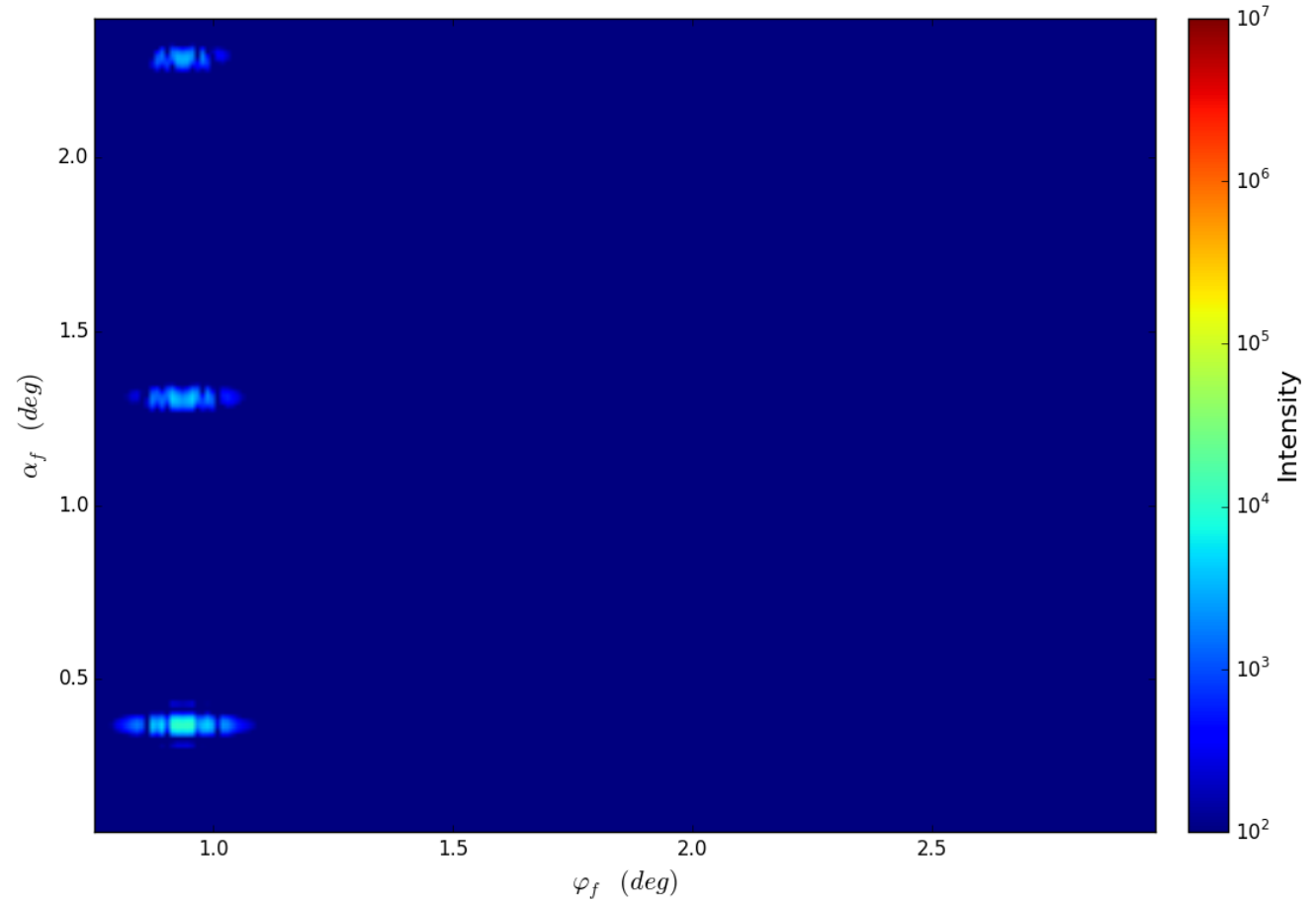
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.97

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            50
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

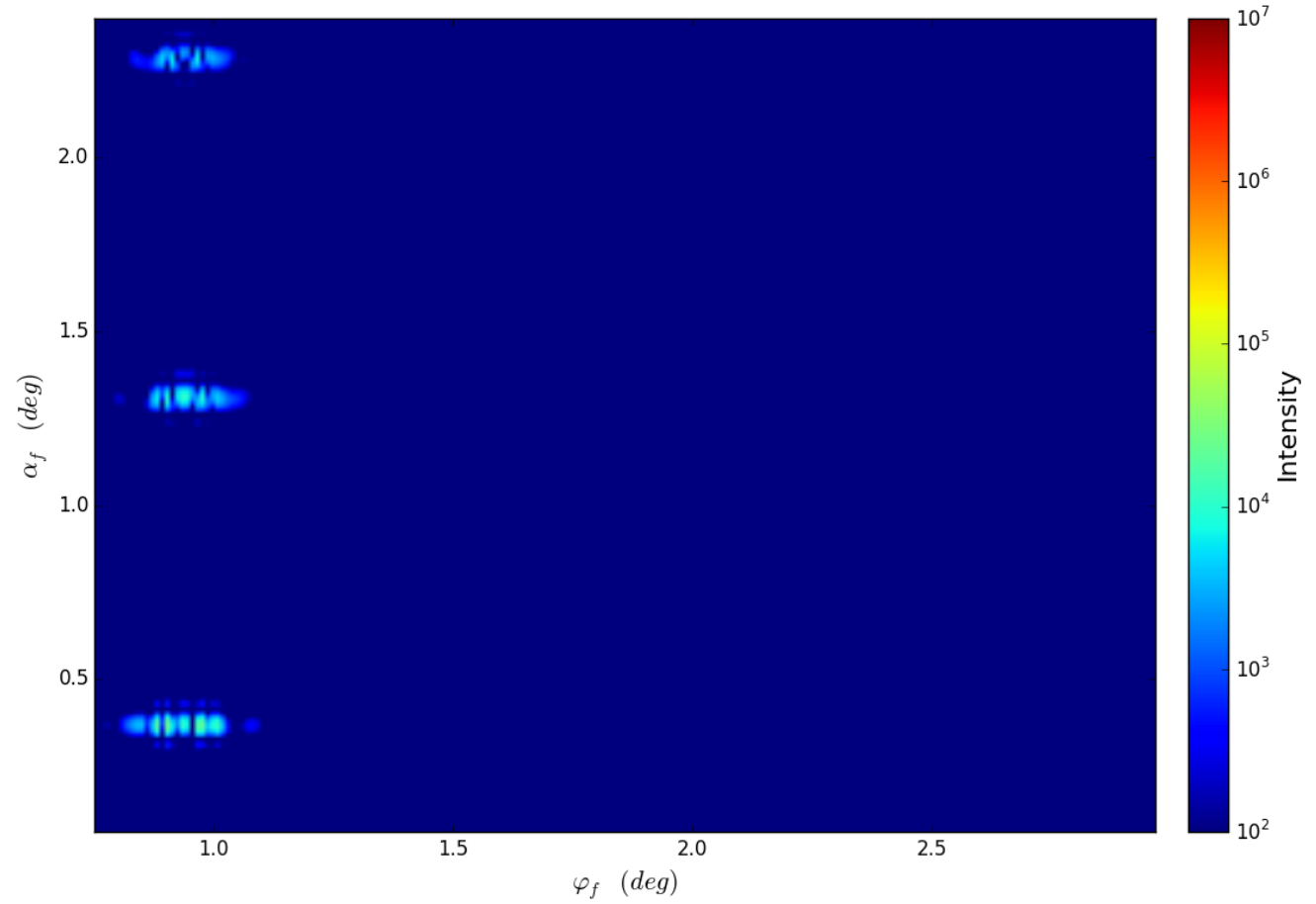
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.91

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            51
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

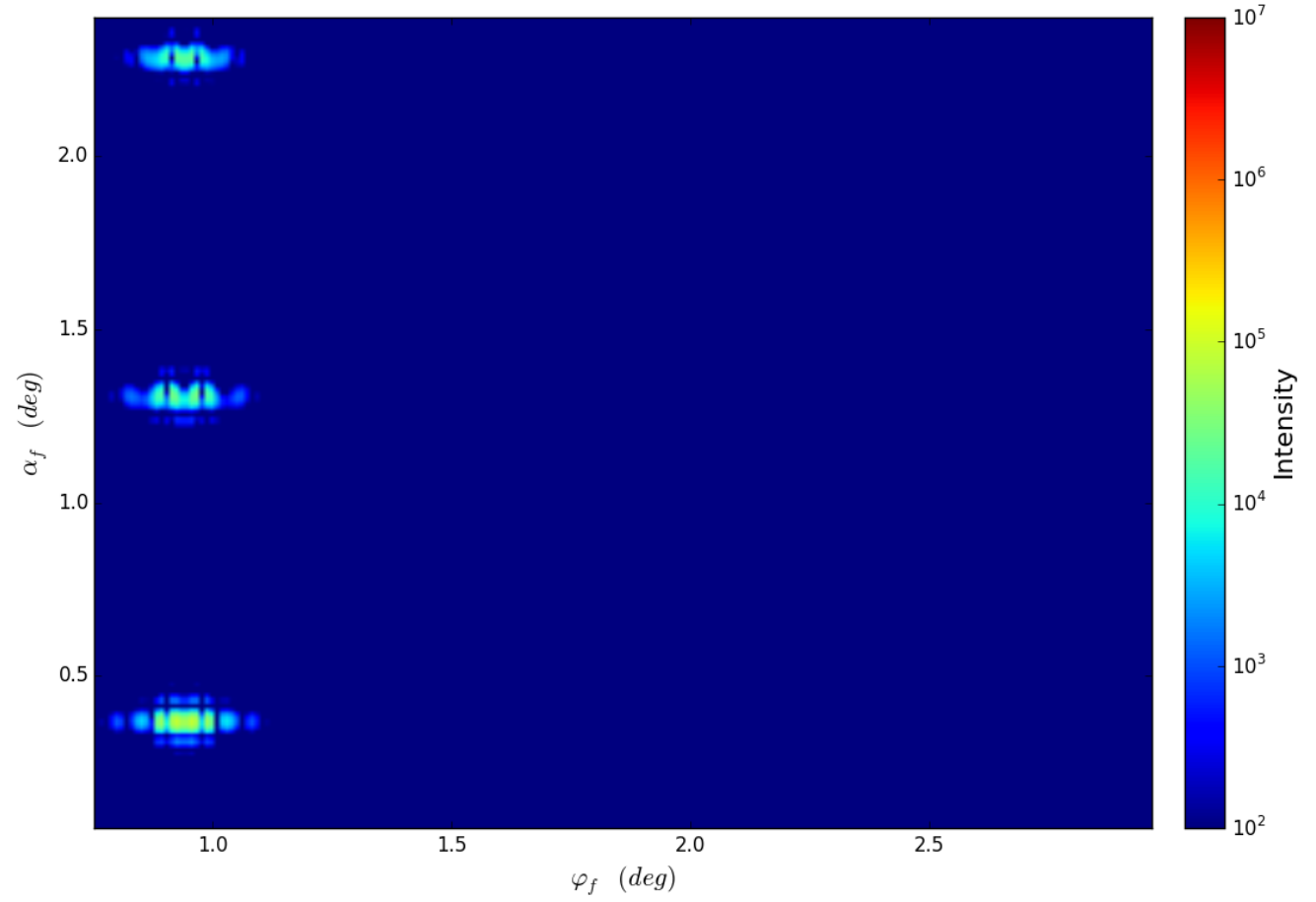
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend         1.87

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness              6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius            800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            52
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

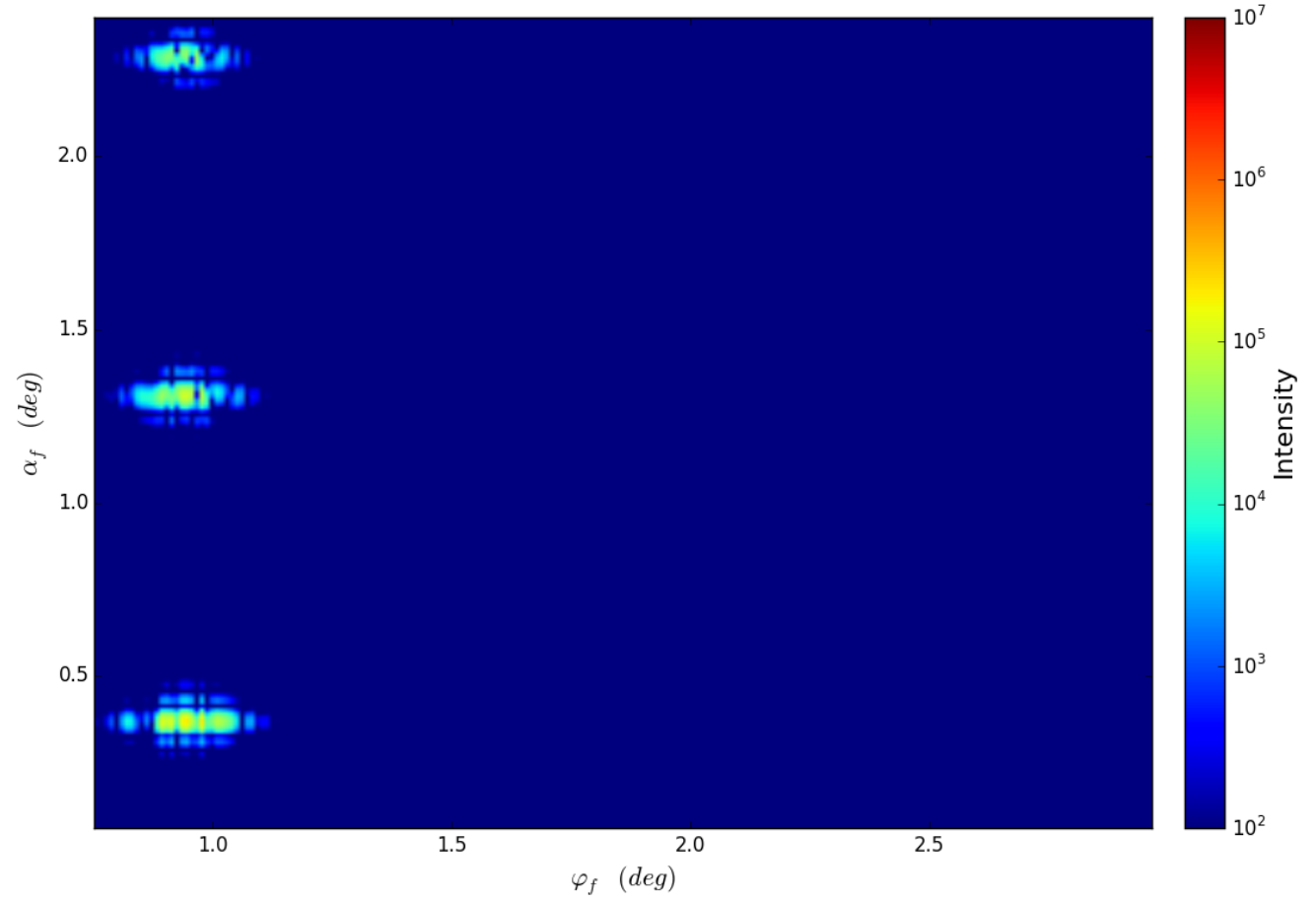
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.89

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius            800.0
m_nanoparticle_radius   5.0
m_nparticles             10
m_rotation_z             53
m_sigma_lattice_length_a 0.5
m_sigma_meso_height      20.0
m_sigma_meso_radius      20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

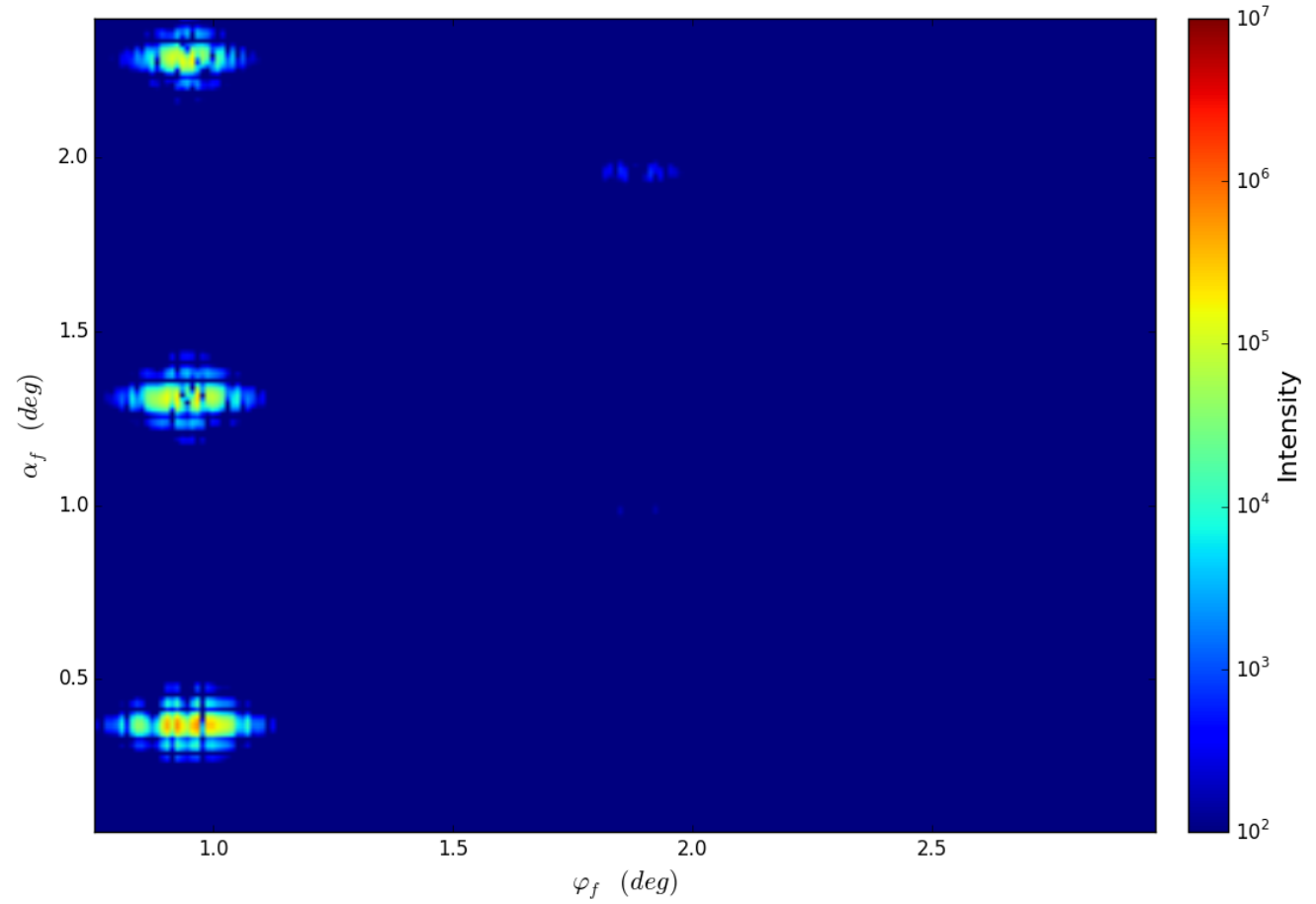
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.89

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius            800.0
m_nanoparticle_radius   5.0
m_nparticles             10
m_rotation_z            54
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

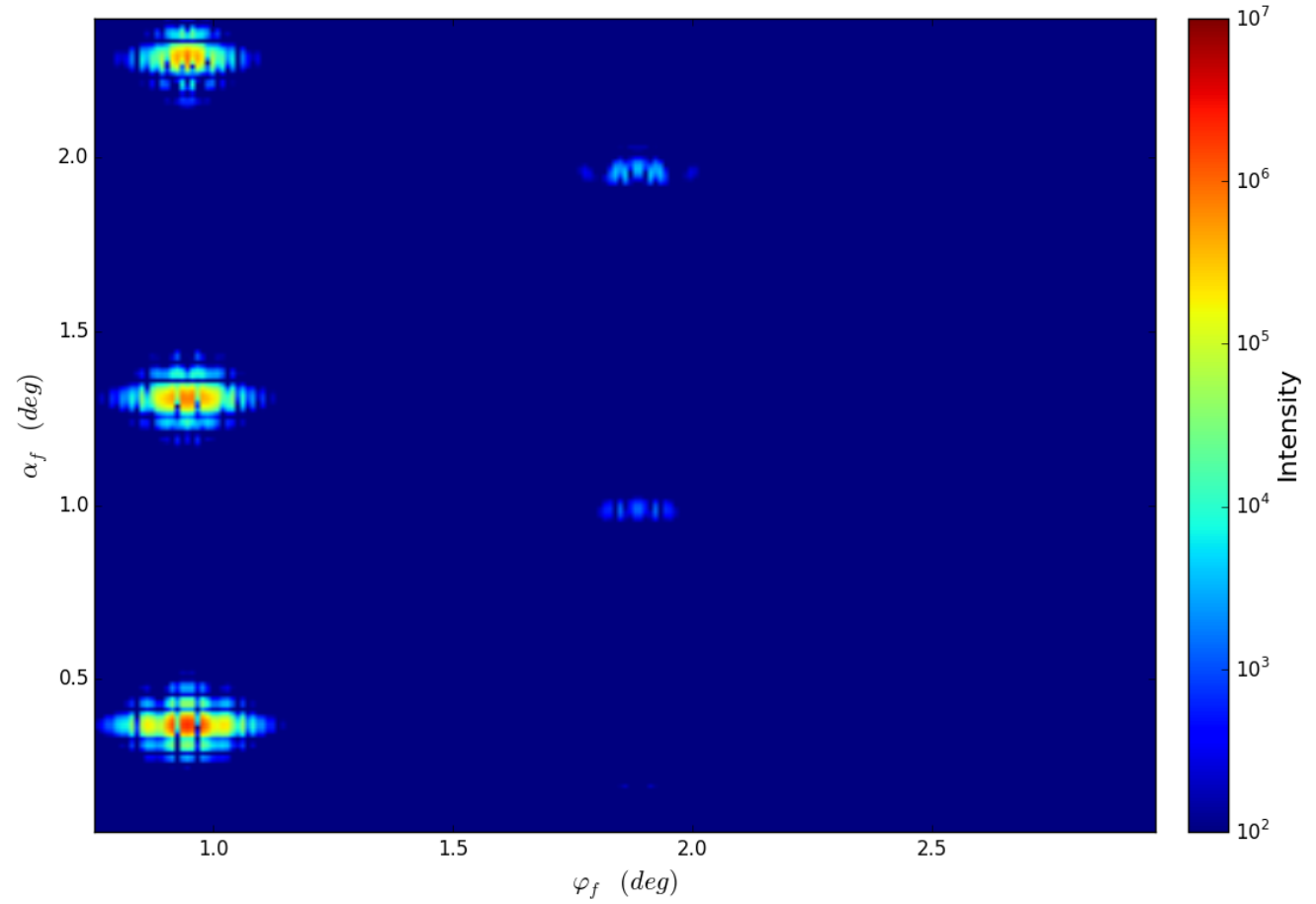
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend         1.86

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness              6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            55
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

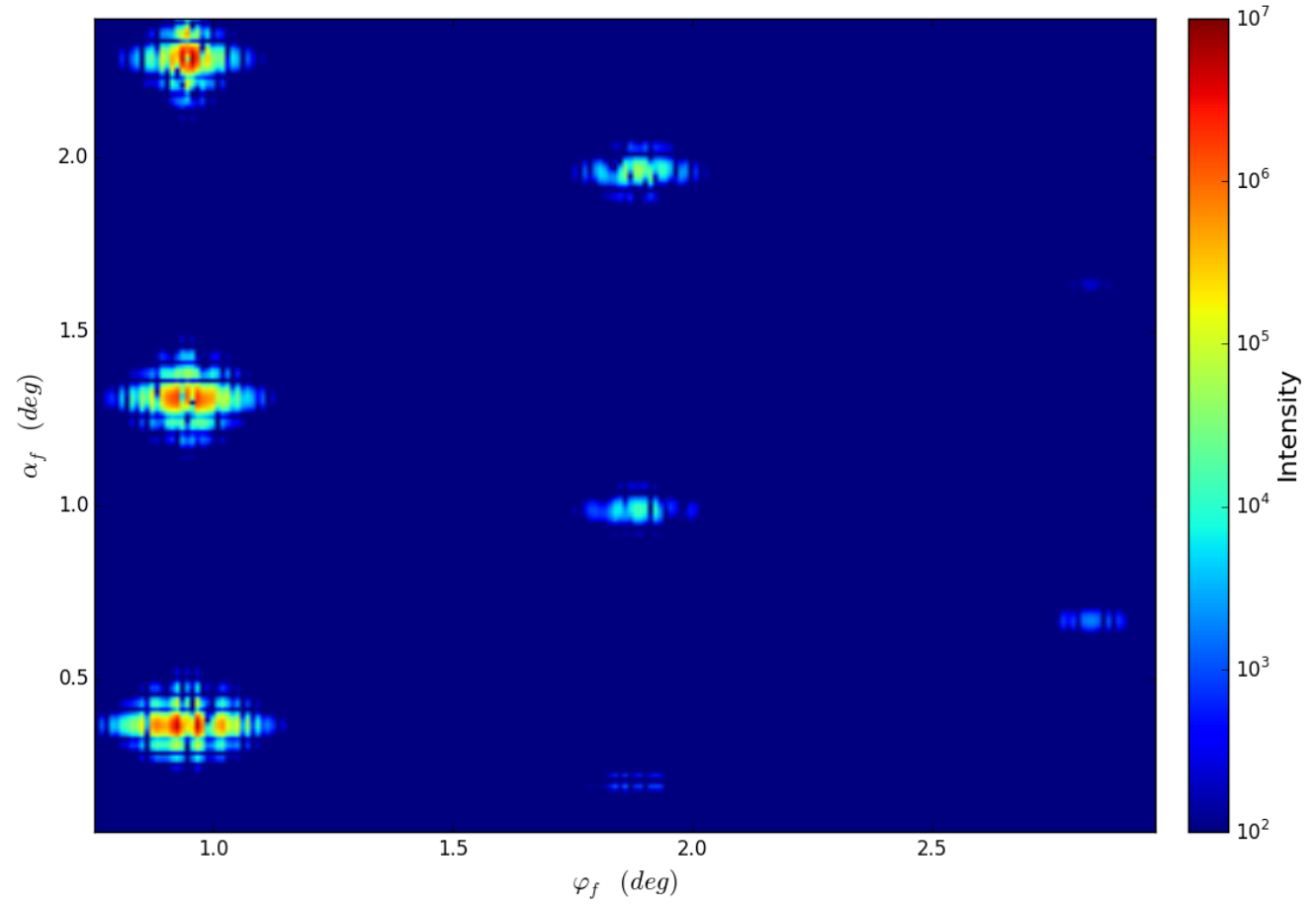
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.73

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius            800.0
m_nanoparticle_radius   5.0
m_nparticles             10
m_rotation_z            56
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

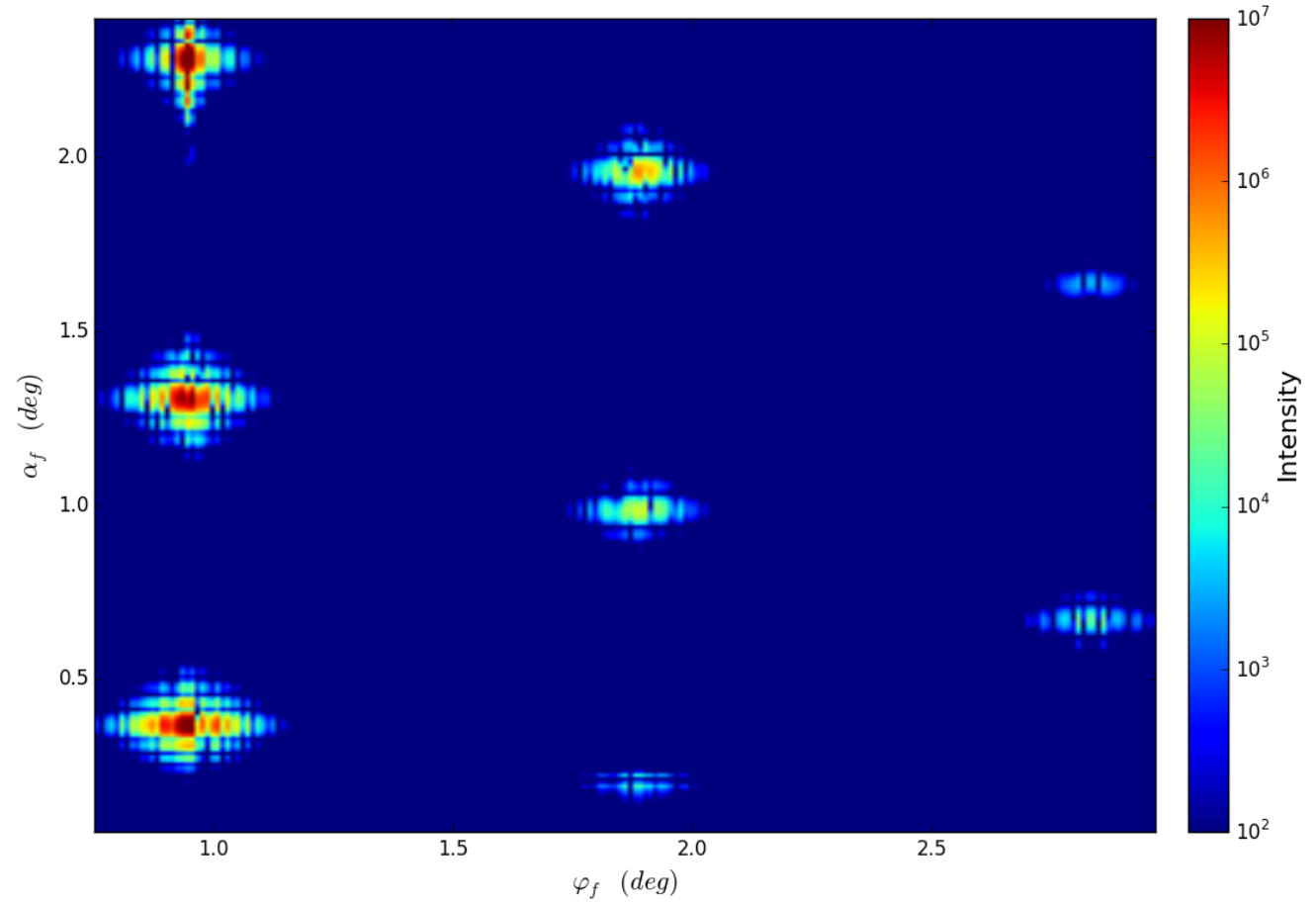
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.70

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            57
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

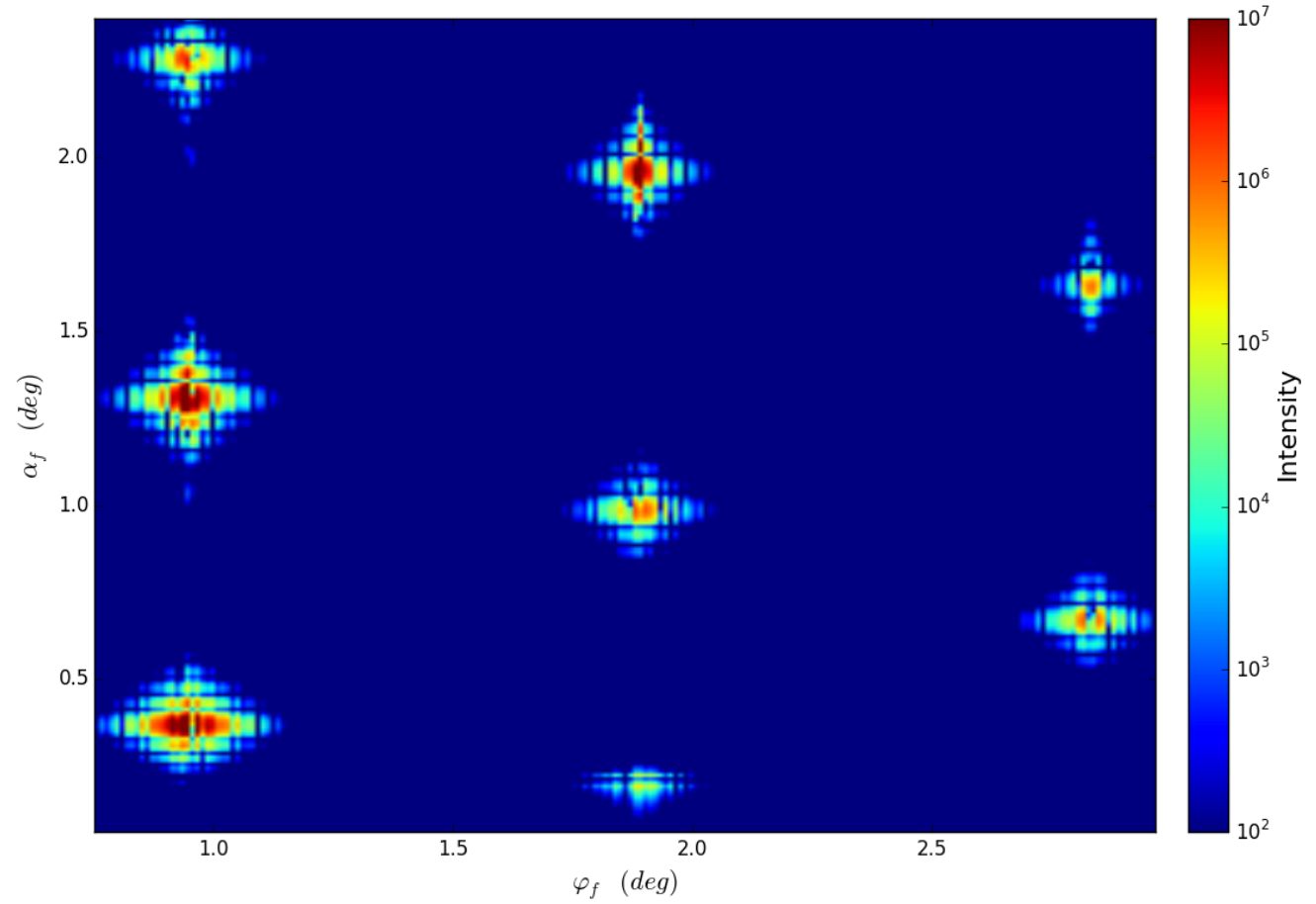
```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.92

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            58
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```



Single meso, phi-scan

```

SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.66

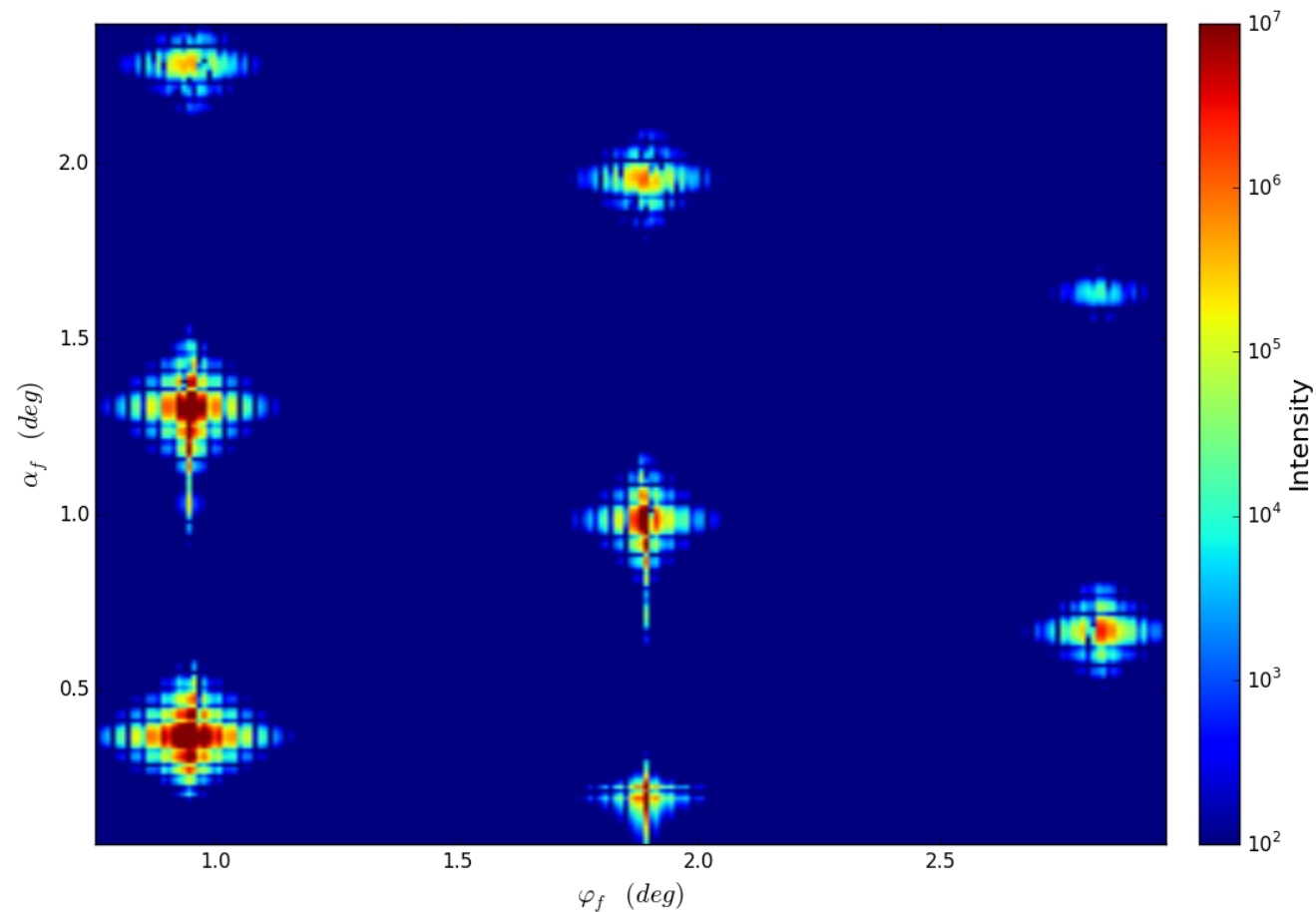
SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            59
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3

```



Single meso, phi-scan

```
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          1.71

SampleBuilderVer1
m_average_layer_thickness 200.0
m_roughness               6.0
m_surface_filling_ratio   0.25

SingleMesoFactory

MesoCrystalBuilder

MesoParameters
m_lattice_length_a      12.45
m_lattice_length_c      31.0
m_meso_height           200.0
m_meso_radius           800.0
m_nanoparticle_radius   5.0
m_nparticles            10
m_rotation_z            60
m_sigma_lattice_length_a 0.5
m_sigma_meso_height     20.0
m_sigma_meso_radius     20.0
m_sigma_nanoparticle_radius 0.3
```

