

```

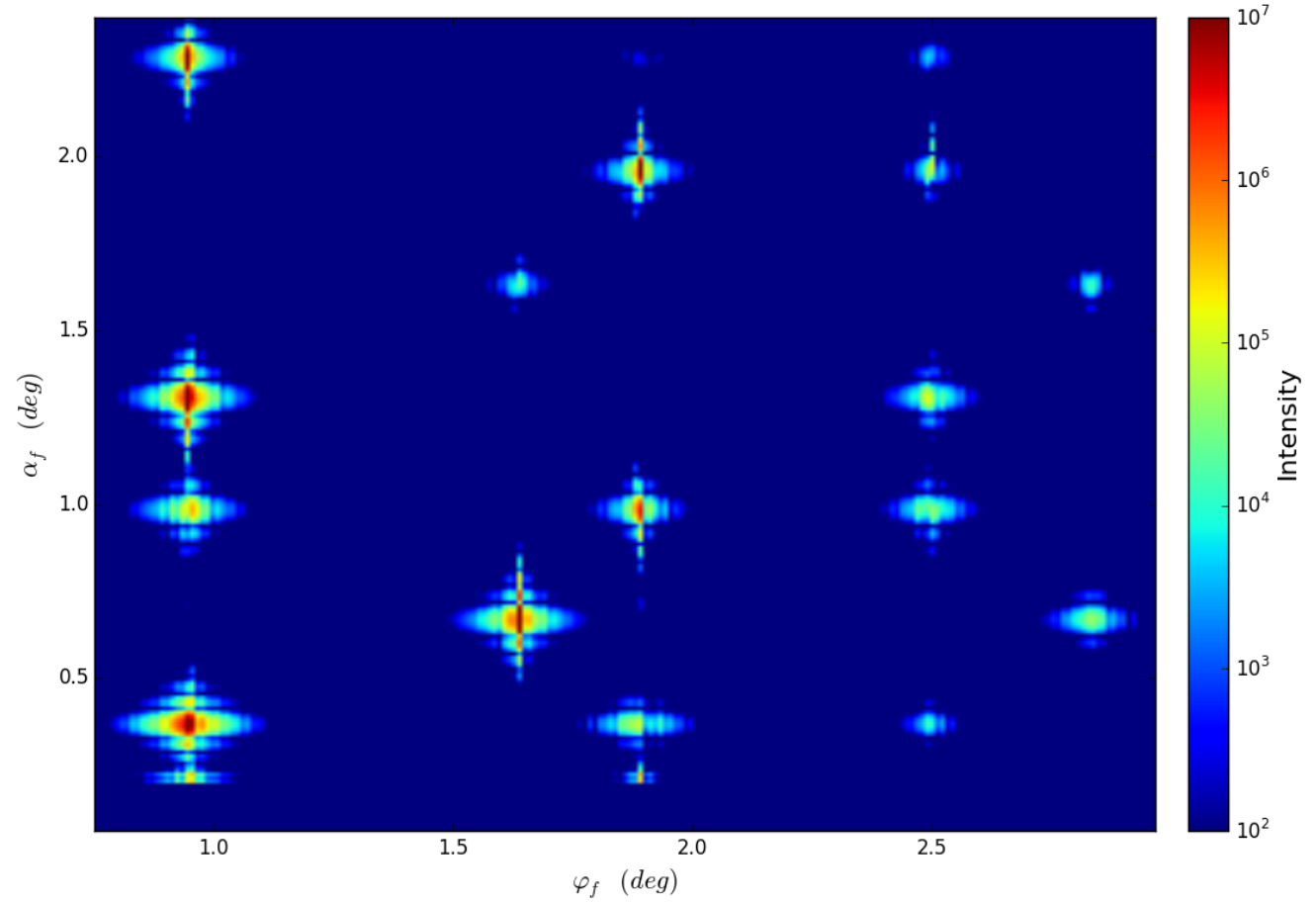
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          24.45

SampleBuilderVer1
m_average_layer_thickness  500.0
m_meso_elevation           100.0
m_roughness                6.0
m_surface_filling_ratio    0.25

RotatedFactory
m_phi_rotation_steps      60
m_phi_start               0.0
m_phi_stop                60.0
m_tilt_start              0.0
m_tilt_steps              1
m_tilt_stop               1.0

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              1
m_rotation_x              0.0
m_rotation_z              59.0
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
    
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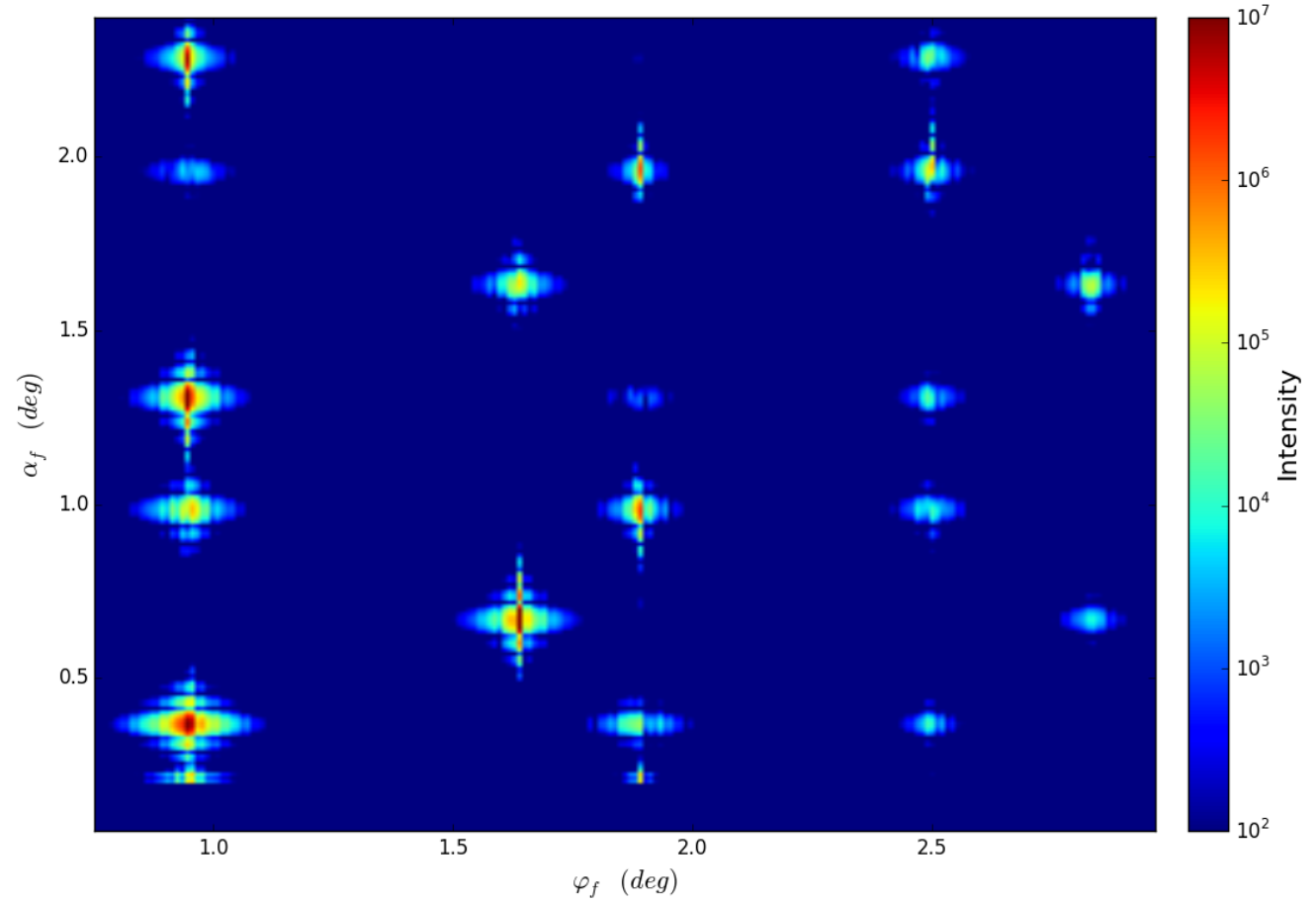
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend         33.82

SampleBuilderVer1
m_average_layer_thickness 500.0
m_meso_elevation          100.0
m_roughness               6.0
m_surface_filling_ratio   0.25

RotatedFactory
m_phi_rotation_steps     60
m_phi_start              0.0
m_phi_stop               60.0
m_tilt_start              0.0
m_tilt_steps              1
m_tilt_stop               1.0

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              2
m_rotation_x              0.0
m_rotation_z             59.0
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
    
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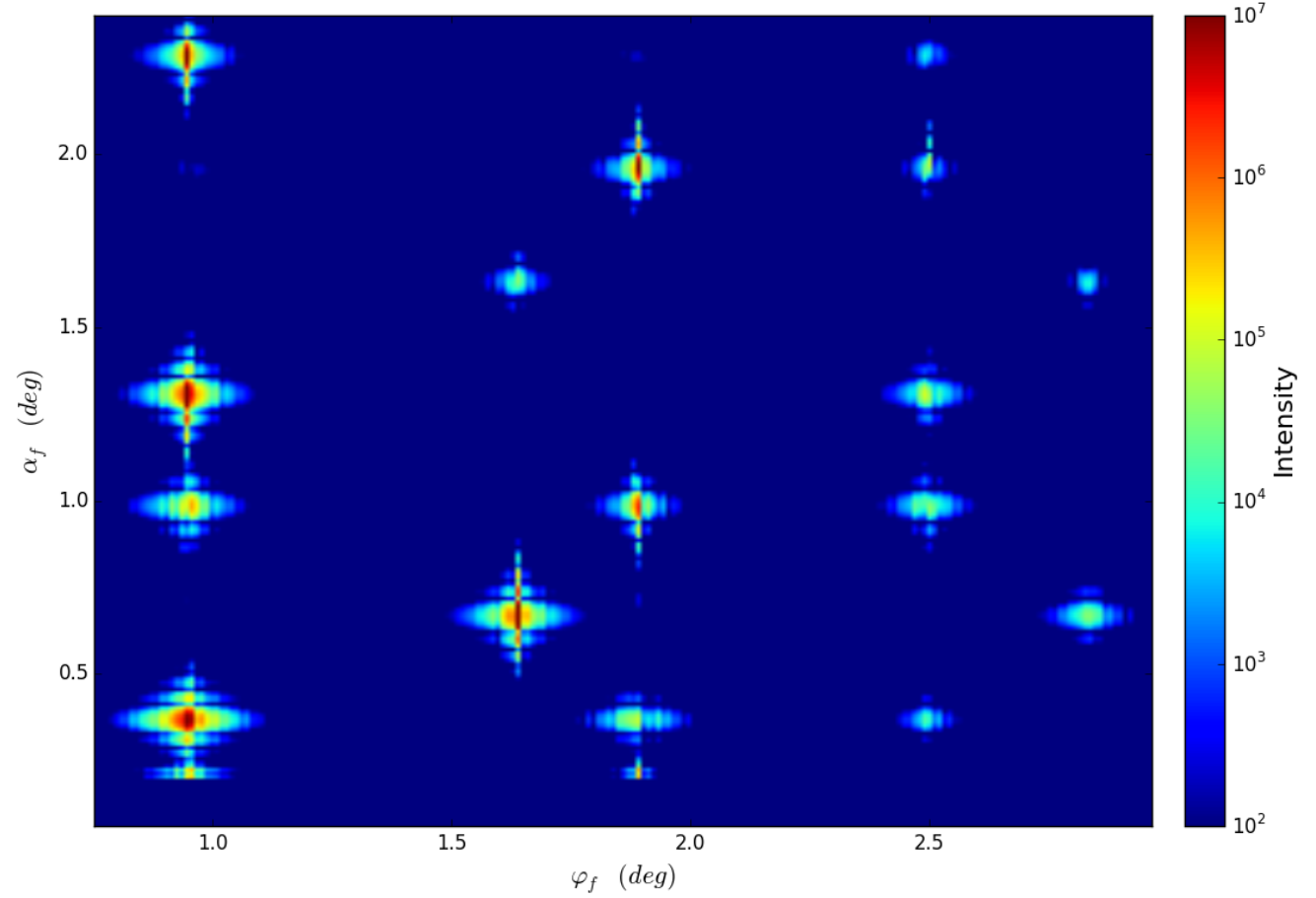
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          41.44

SampleBuilderVer1
m_average_layer_thickness 500.0
m_meso_elevation          100.0
m_roughness               6.0
m_surface_filling_ratio   0.25

RotatedFactory
m_phi_rotation_steps     60
m_phi_start              0.0
m_phi_stop               60.0
m_tilt_start              0.0
m_tilt_steps              1
m_tilt_stop               1.0

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             3
m_rotation_x             0.0
m_rotation_z            59.0
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
    
```



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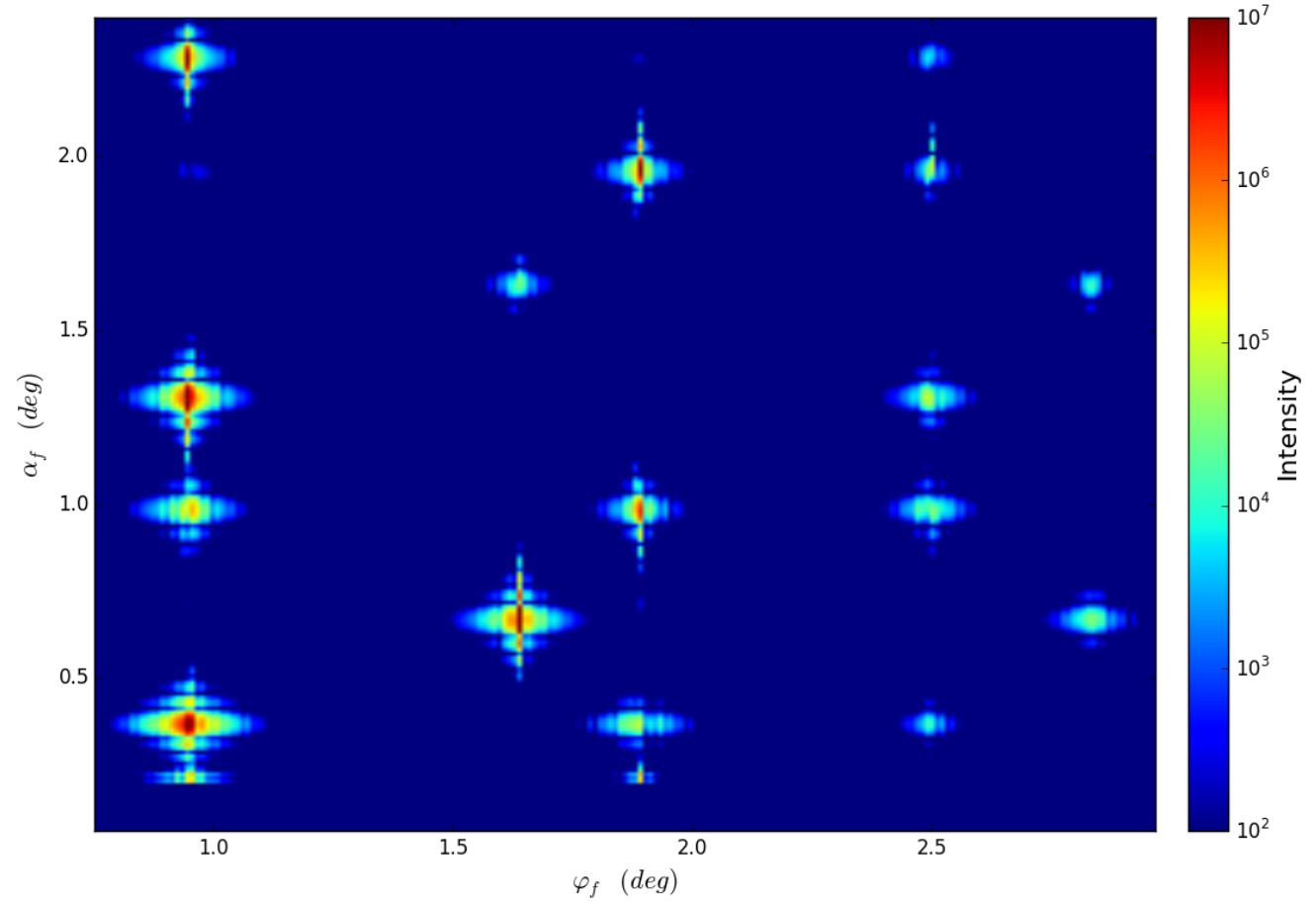
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          49.97

SampleBuilderVer1
m_average_layer_thickness 500.0
m_meso_elevation          100.0
m_roughness               6.0
m_surface_filling_ratio   0.25

RotatedFactory
m_phi_rotation_steps     60
m_phi_start              0.0
m_phi_stop               60.0
m_tilt_start             0.0
m_tilt_steps             1
m_tilt_stop              1.0

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            4
m_rotation_x            0.0
m_rotation_z            59.0
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
    
```



60 rotated meso, FormFactorSphereLogNormalRadius, nparticles scan

```

SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          60.77

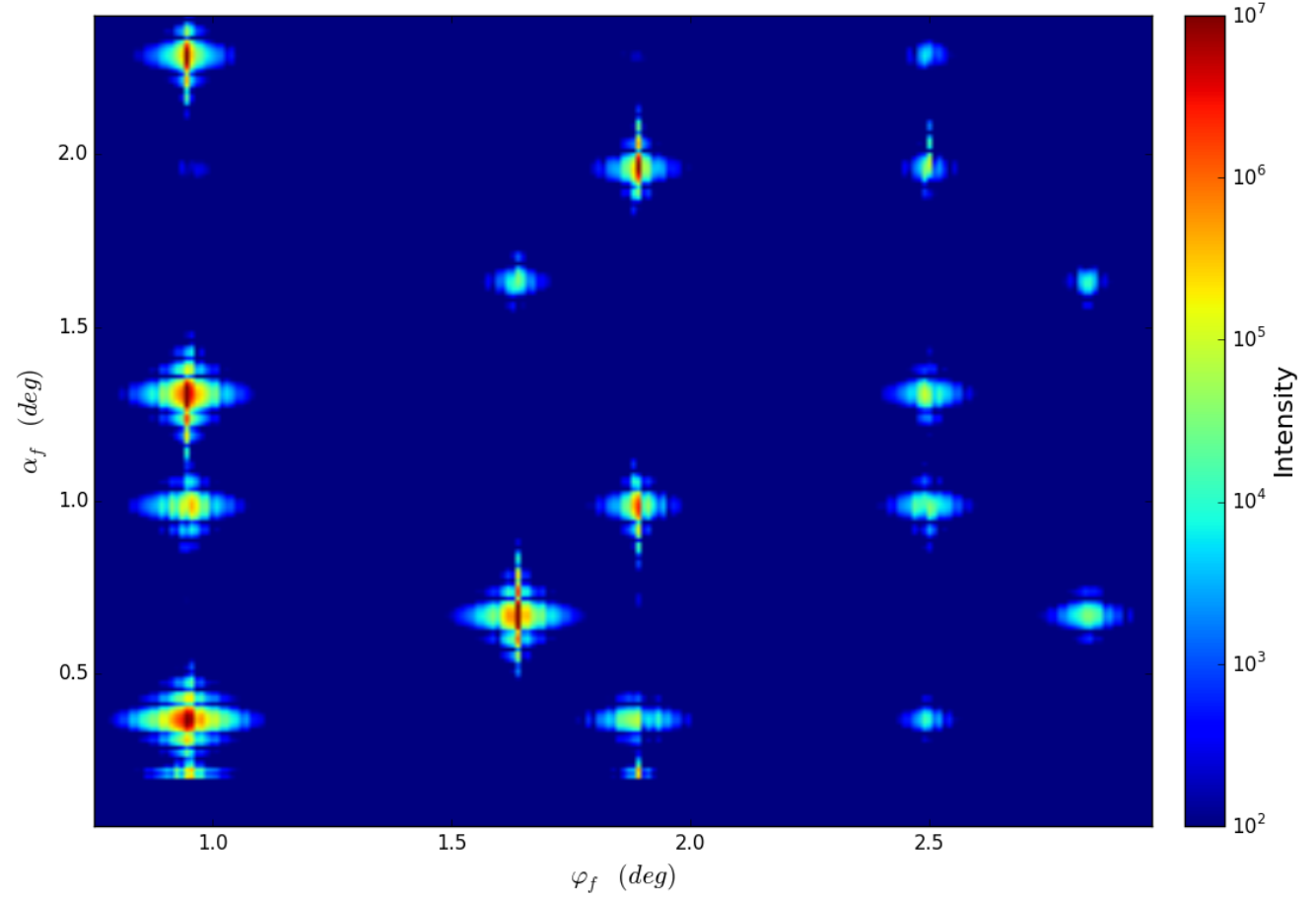
SampleBuilderVer1
m_average_layer_thickness  500.0
m_meso_elevation           100.0
m_roughness                6.0
m_surface_filling_ratio    0.25

RotatedFactory
m_phi_rotation_steps      60
m_phi_start               0.0
m_phi_stop                60.0
m_tilt_start              0.0
m_tilt_steps              1
m_tilt_stop               1.0

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              5
m_rotation_x              0.0
m_rotation_z              59.0
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

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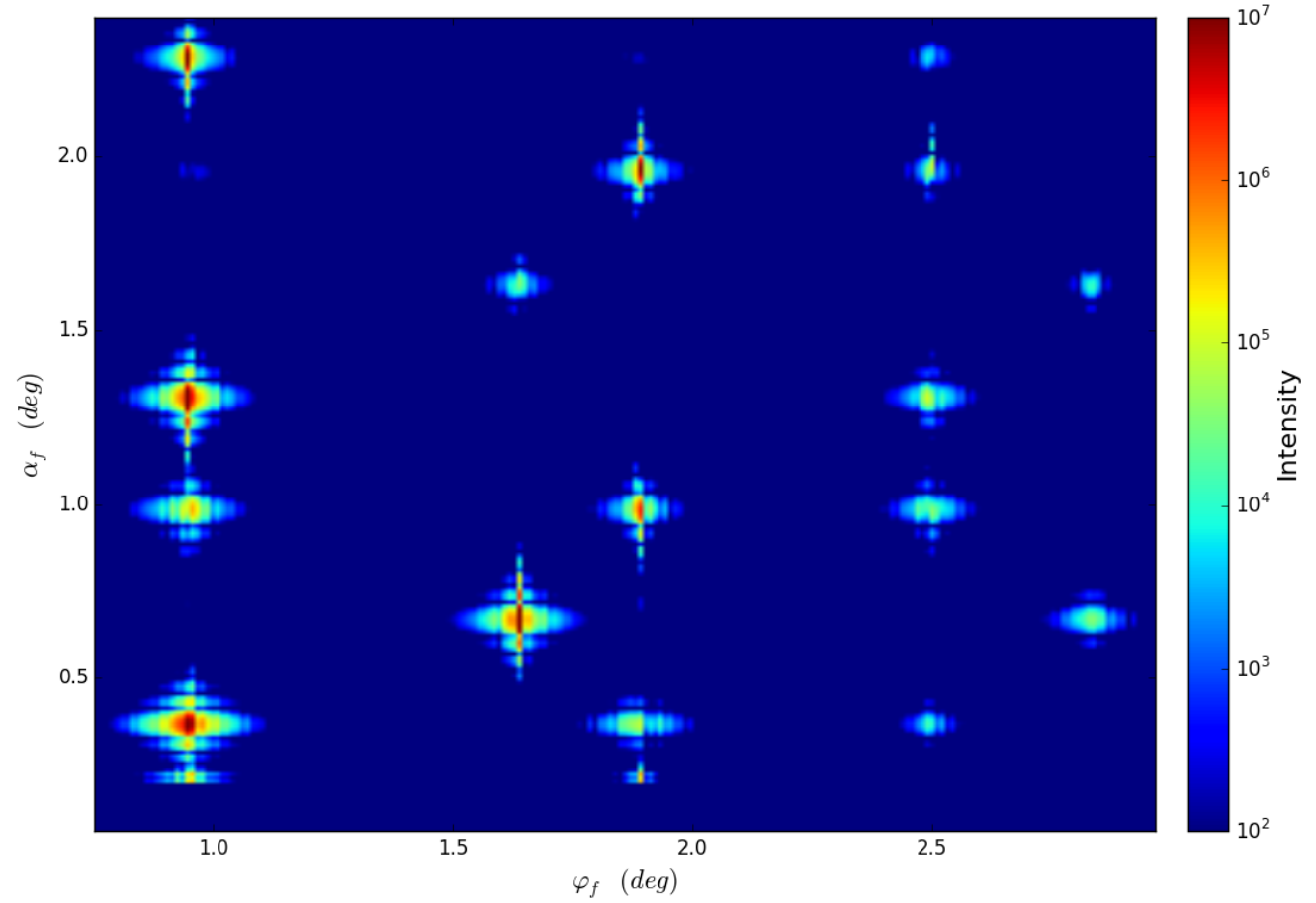
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          73.78

SampleBuilderVer1
m_average_layer_thickness 500.0
m_meso_elevation          100.0
m_roughness               6.0
m_surface_filling_ratio   0.25

RotatedFactory
m_phi_rotation_steps     60
m_phi_start              0.0
m_phi_stop               60.0
m_tilt_start              0.0
m_tilt_steps             1
m_tilt_stop              1.0

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             6
m_rotation_x             0.0
m_rotation_z            59.0
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
    
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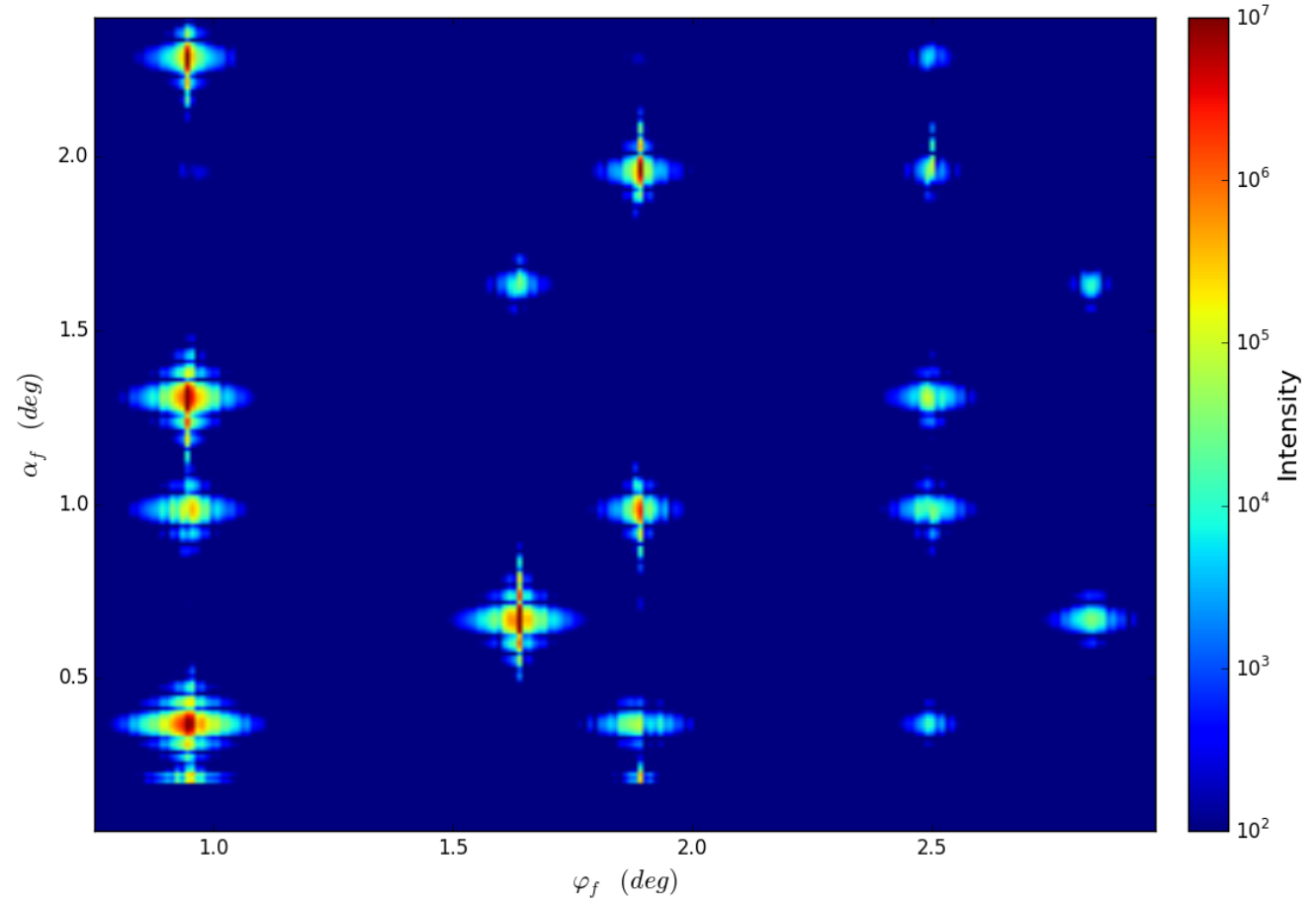
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          86.25

SampleBuilderVer1
m_average_layer_thickness 500.0
m_meso_elevation          100.0
m_roughness               6.0
m_surface_filling_ratio   0.25

RotatedFactory
m_phi_rotation_steps     60
m_phi_start              0.0
m_phi_stop               60.0
m_tilt_start              0.0
m_tilt_steps              1
m_tilt_stop               1.0

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             7
m_rotation_x             0.0
m_rotation_z            59.0
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
    
```




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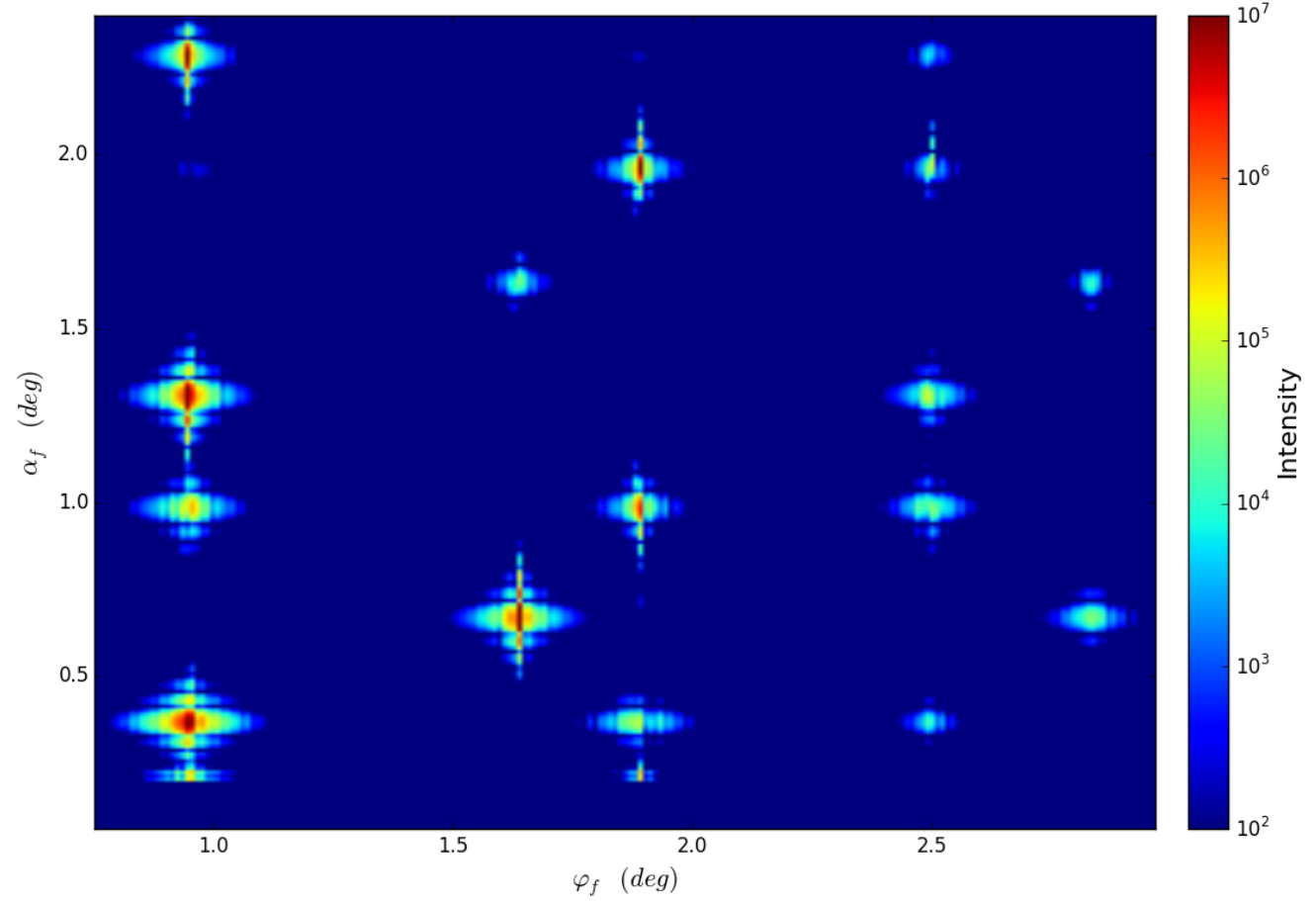
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          92.53

SampleBuilderVer1
m_average_layer_thickness 500.0
m_meso_elevation          100.0
m_roughness               6.0
m_surface_filling_ratio   0.25

RotatedFactory
m_phi_rotation_steps     60
m_phi_start              0.0
m_phi_stop               60.0
m_tilt_start             0.0
m_tilt_steps             1
m_tilt_stop              1.0

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             8
m_rotation_x             0.0
m_rotation_z            59.0
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
    
```



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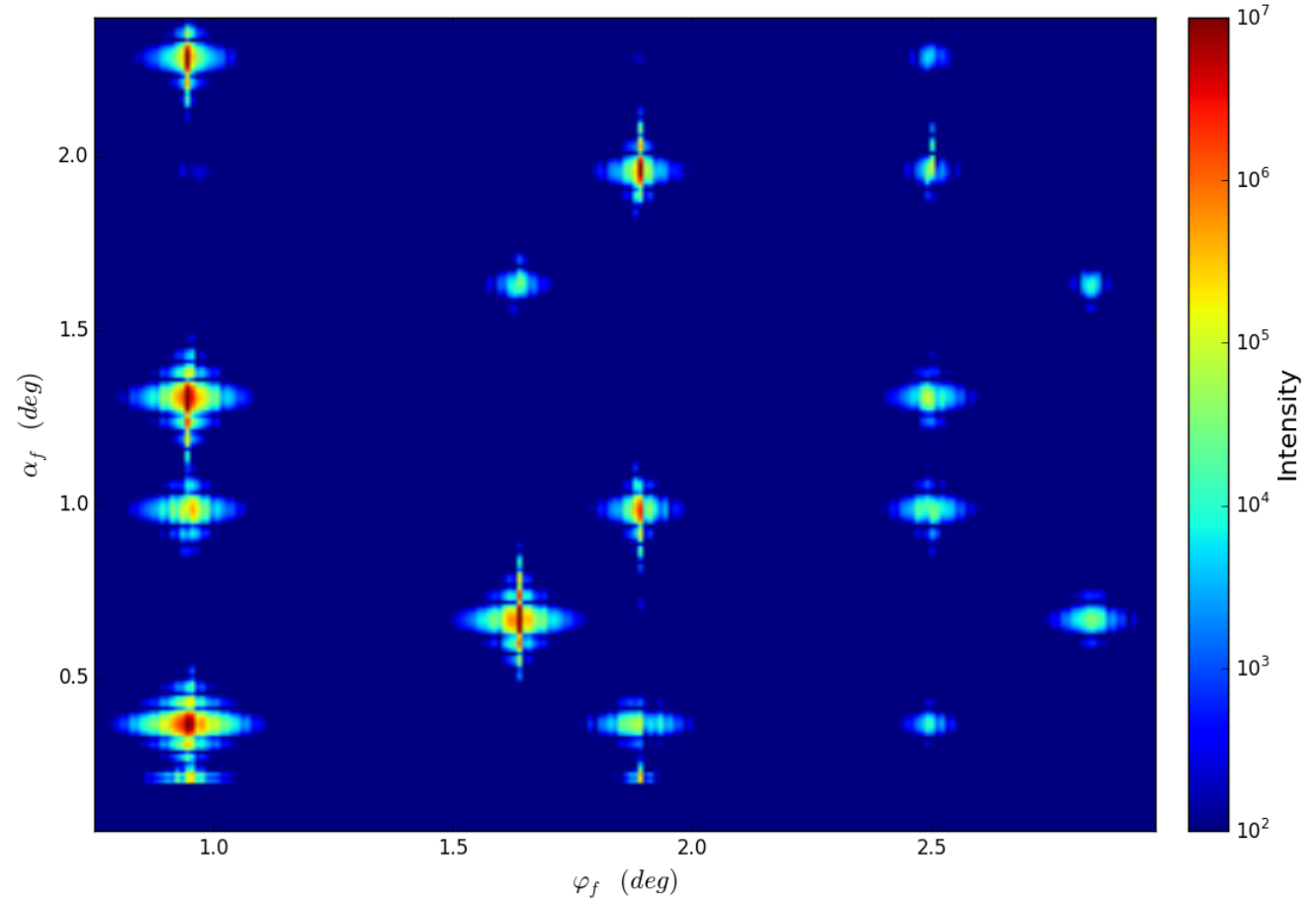
SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          97.56

SampleBuilderVer1
m_average_layer_thickness 500.0
m_meso_elevation          100.0
m_roughness               6.0
m_surface_filling_ratio   0.25

RotatedFactory
m_phi_rotation_steps     60
m_phi_start              0.0
m_phi_stop               60.0
m_tilt_start             0.0
m_tilt_steps             1
m_tilt_stop              1.0

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            9
m_rotation_x            0.0
m_rotation_z            59.0
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
    
```



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SimulationBuilder
m_beam_intensity      6.1e+12
m_beam_wavelength     0.1770
m_inclination_angle   0.4
m_time_spend          107.13

SampleBuilderVer1
m_average_layer_thickness 500.0
m_meso_elevation          100.0
m_roughness               6.0
m_surface_filling_ratio   0.25

RotatedFactory
m_phi_rotation_steps     60
m_phi_start              0.0
m_phi_stop               60.0
m_tilt_start             0.0
m_tilt_steps             1
m_tilt_stop              1.0

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_x             0.0
m_rotation_z            59.0
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
    
```

