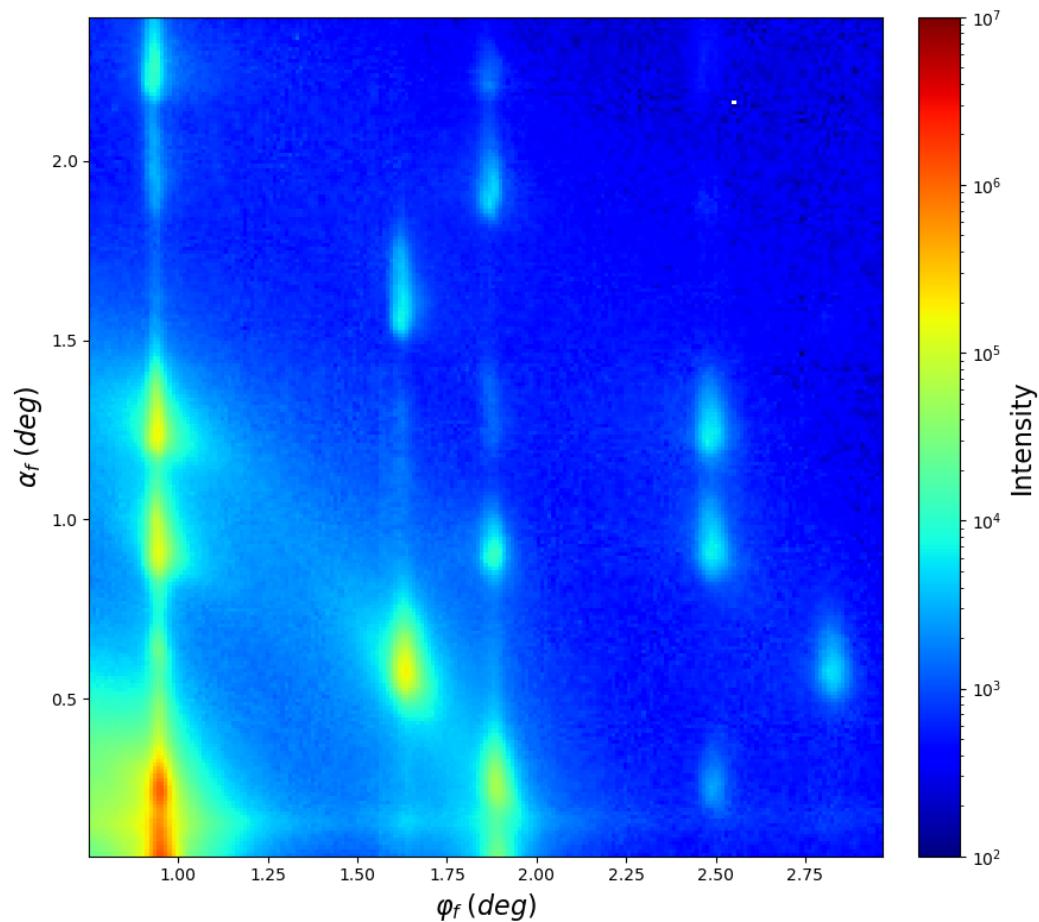
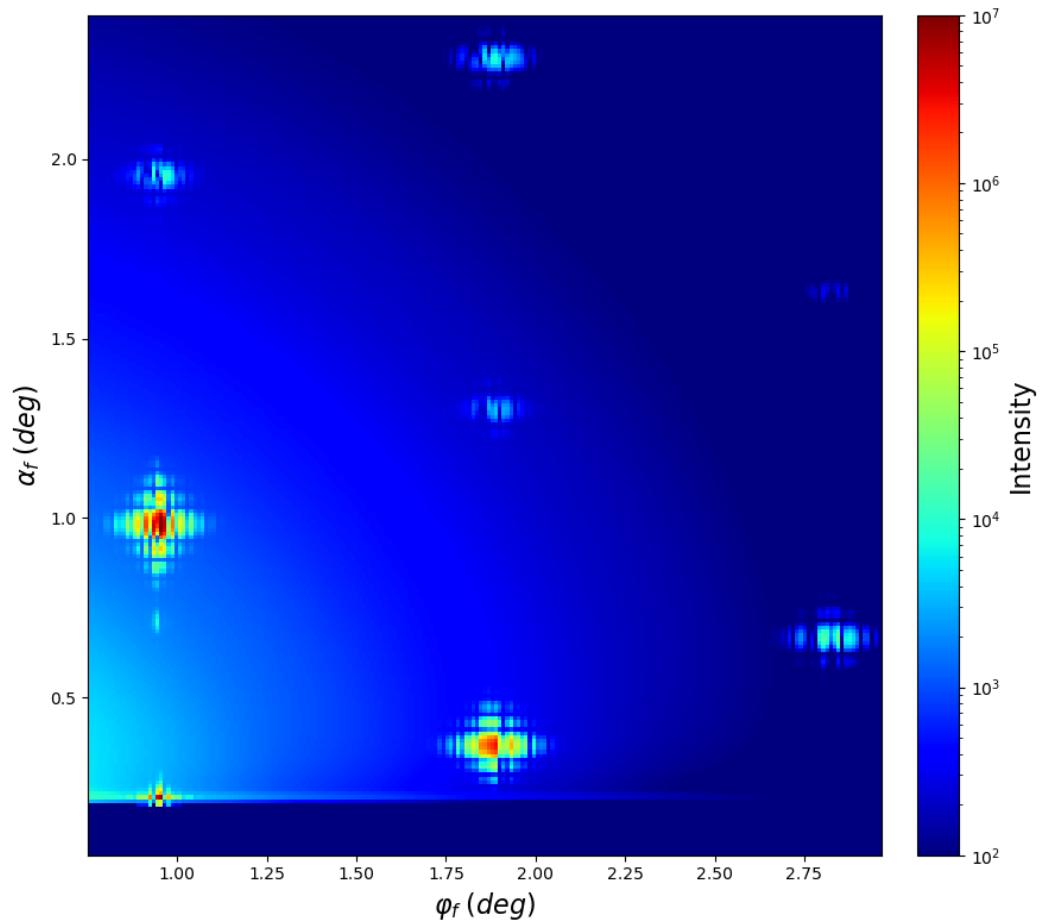


004_230_P144_im_full



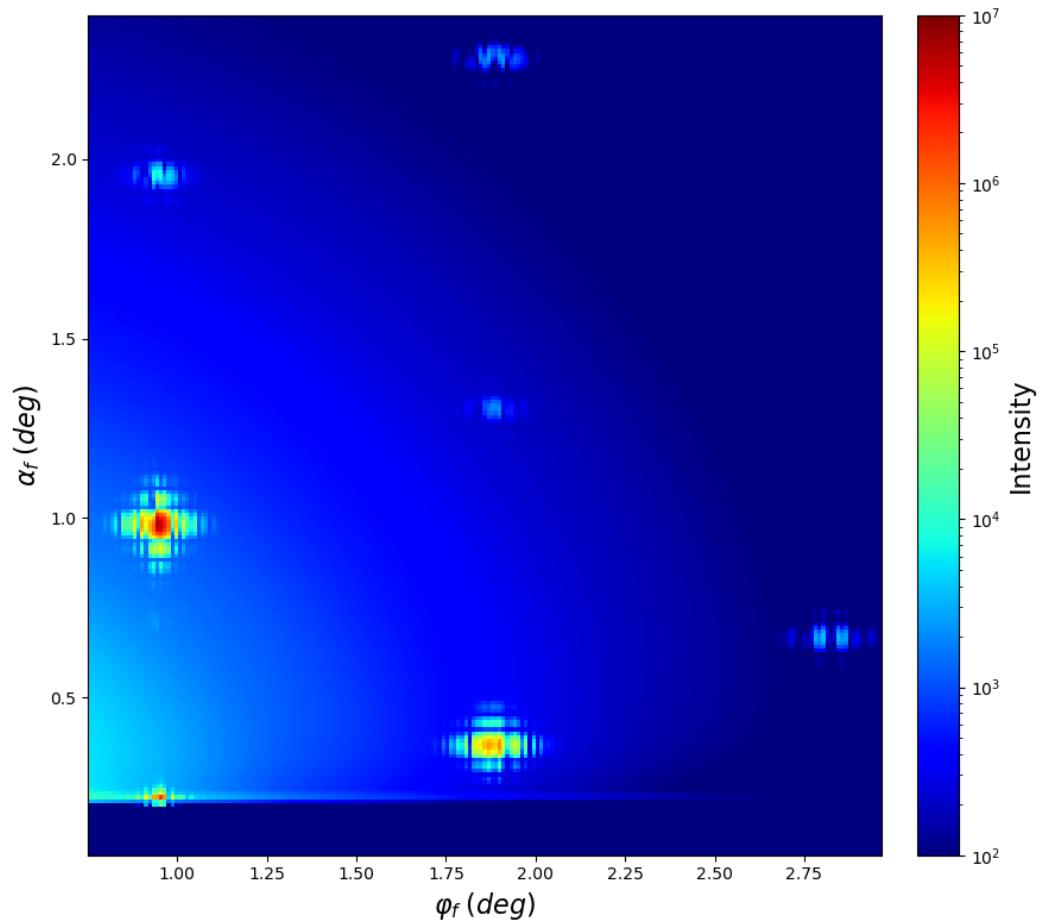
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 0.0  
}
```



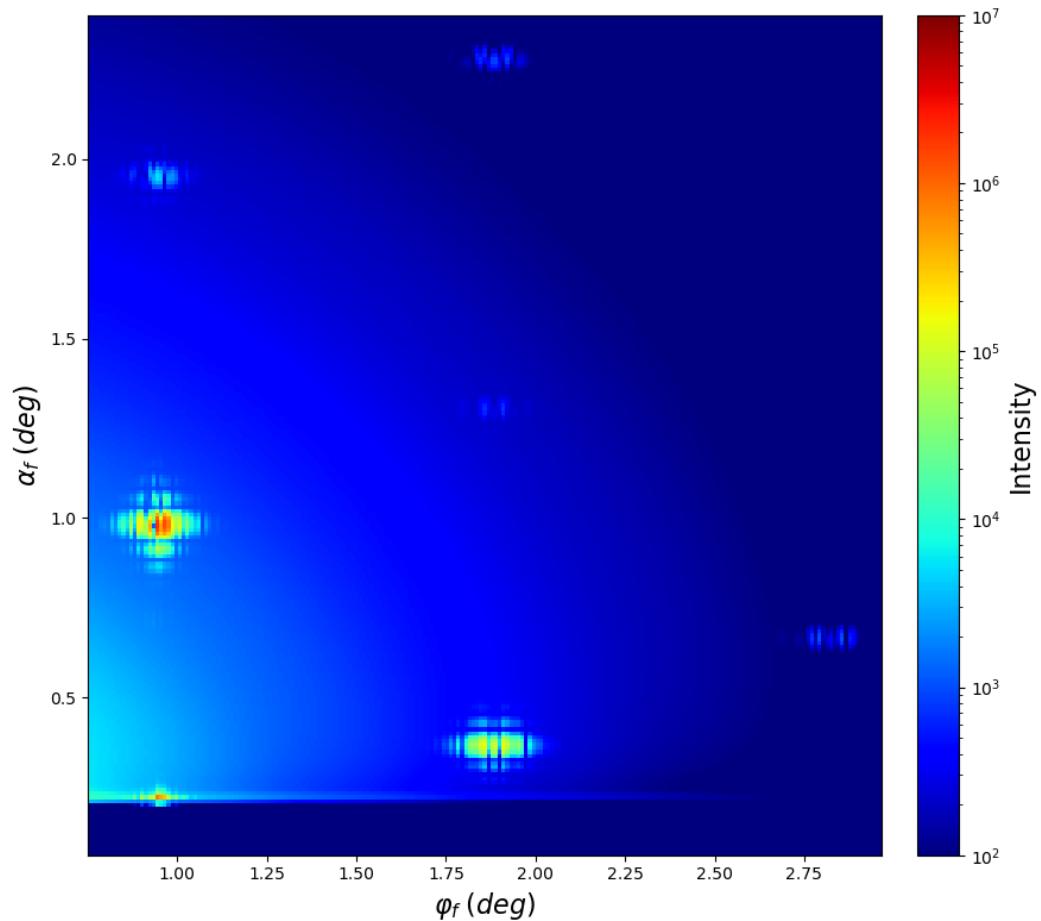
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 0.5  
}
```



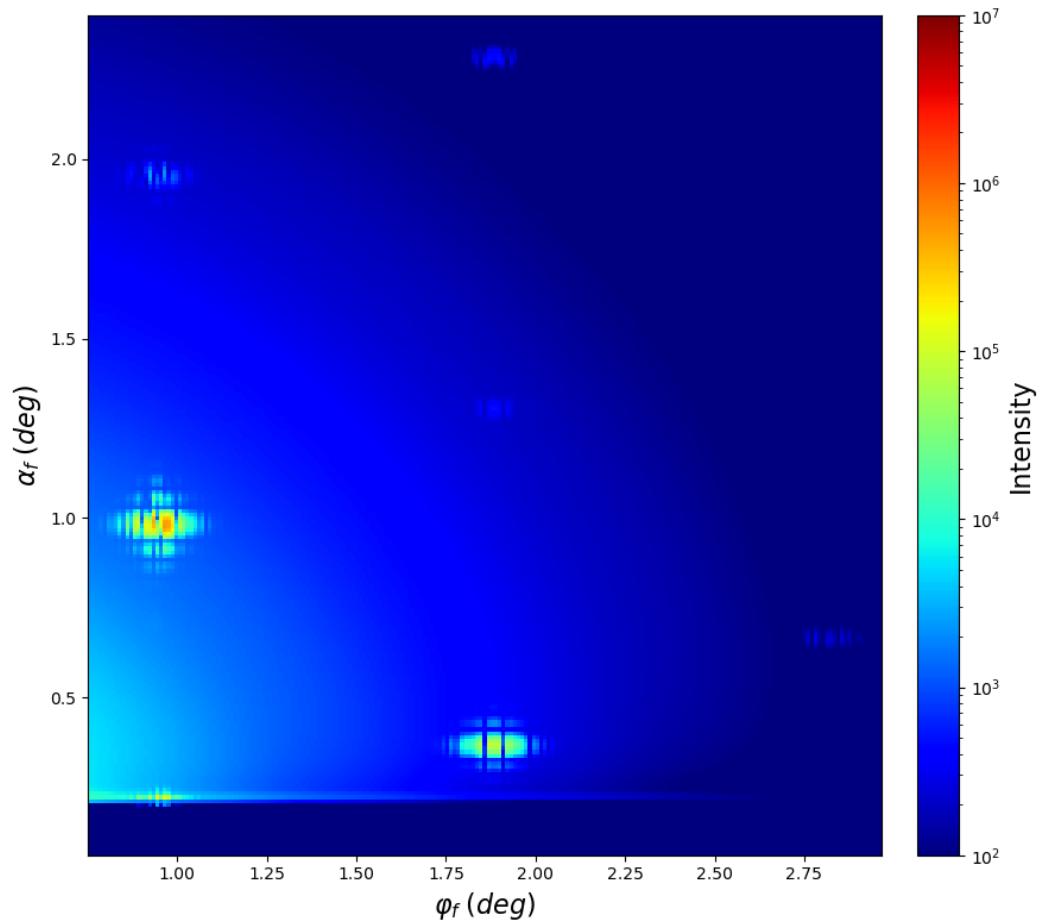
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 1.0  
}
```



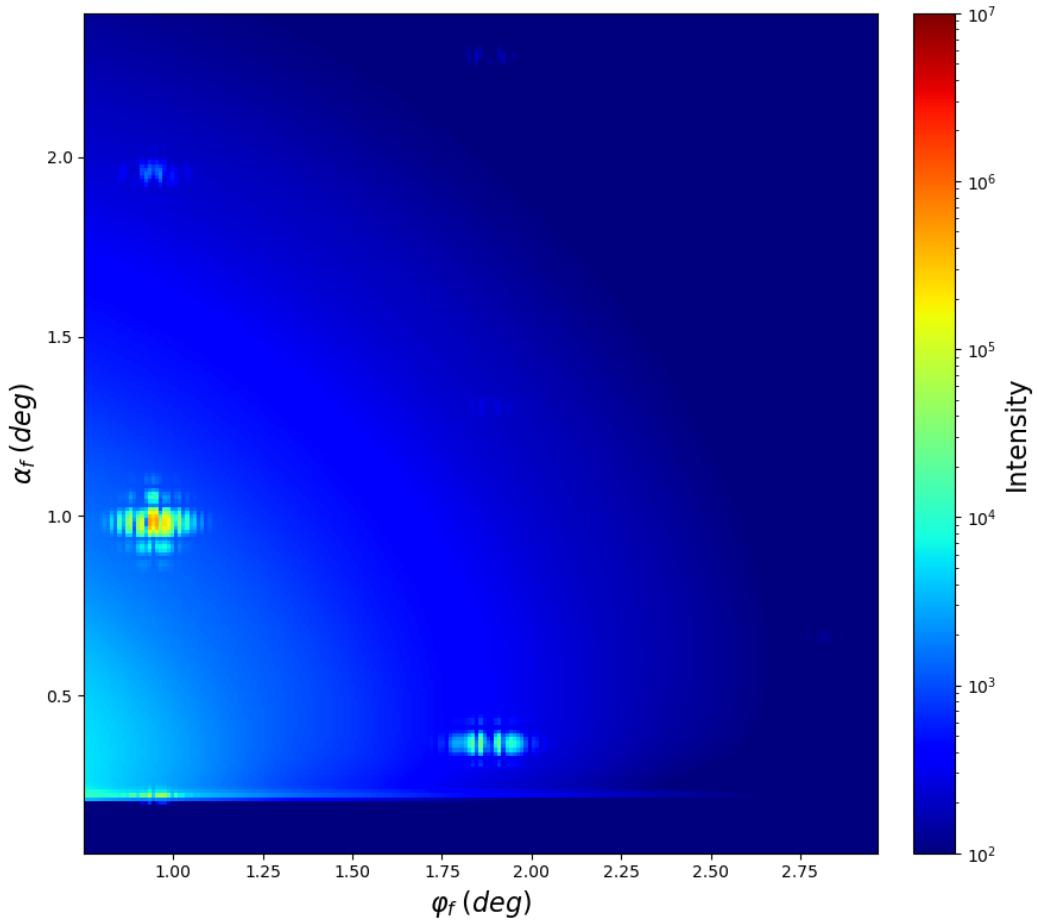
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 1.5  
}
```



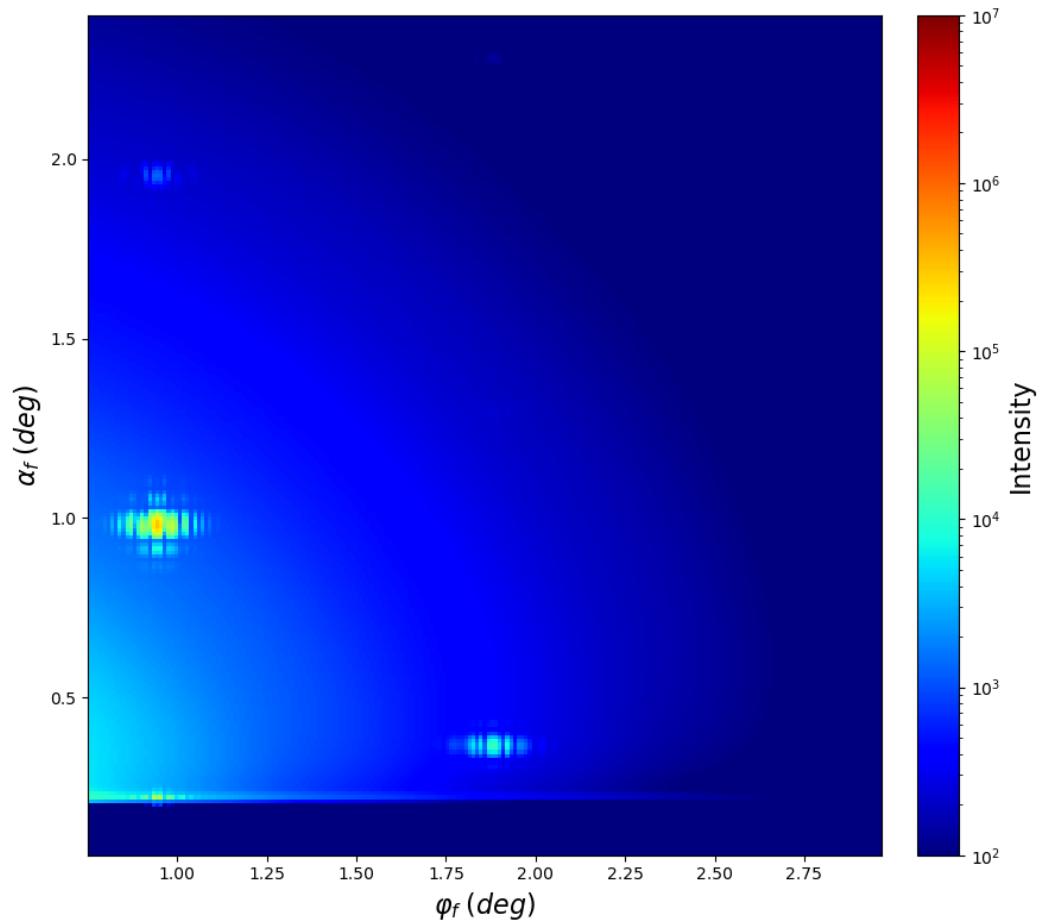
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 2.0  
}
```



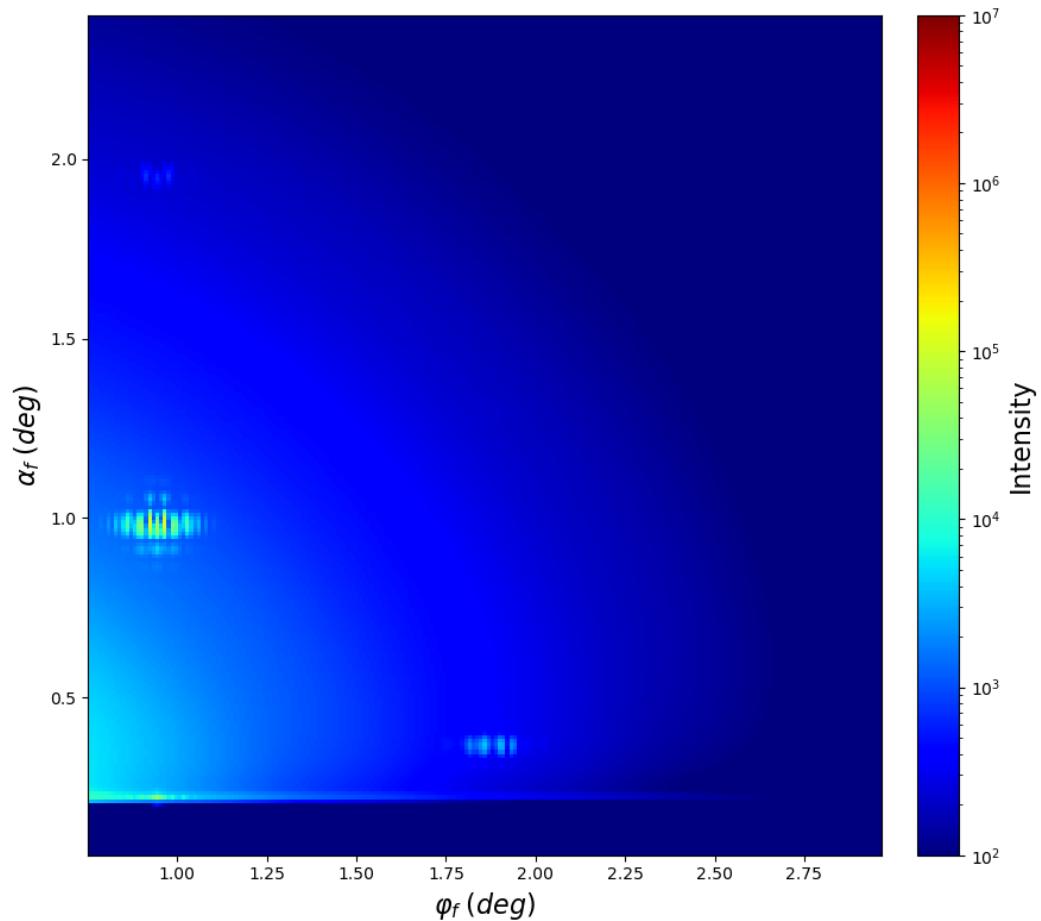
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 2.5  
}
```



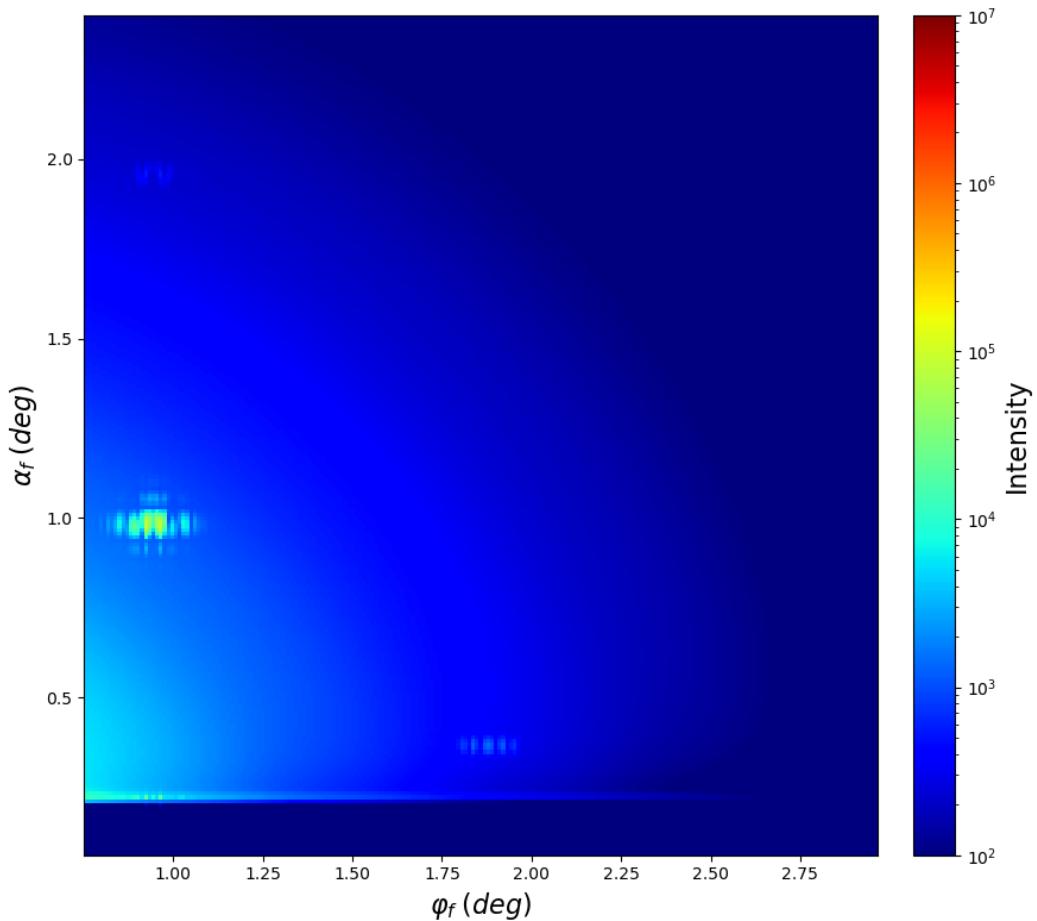
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 3.0  
}
```



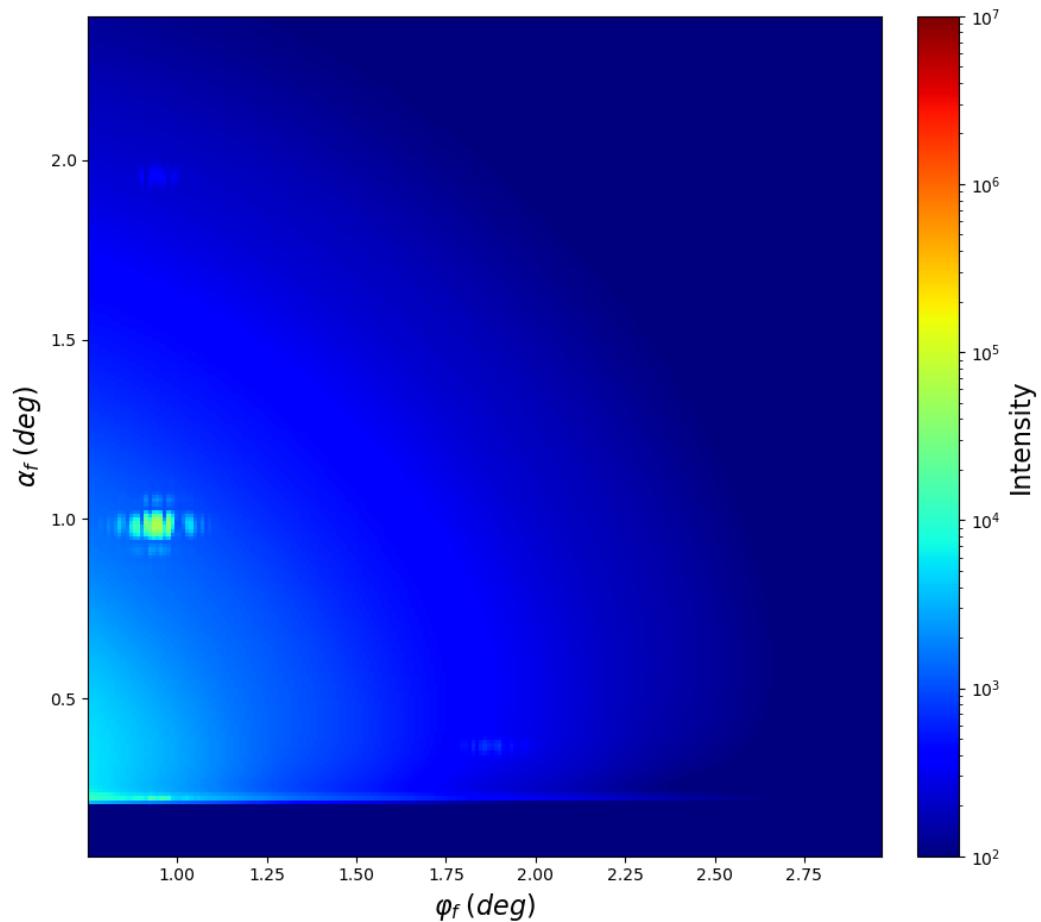
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 3.5  
}
```



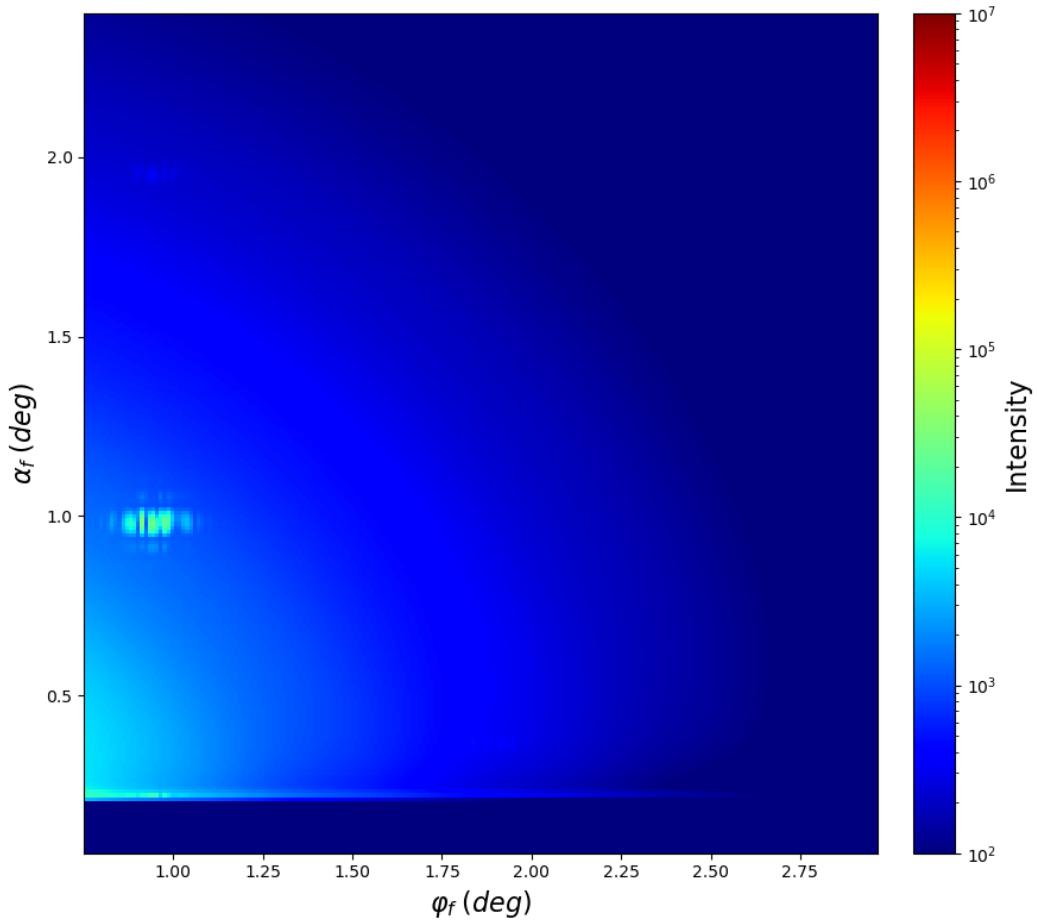
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 4.0  
}
```



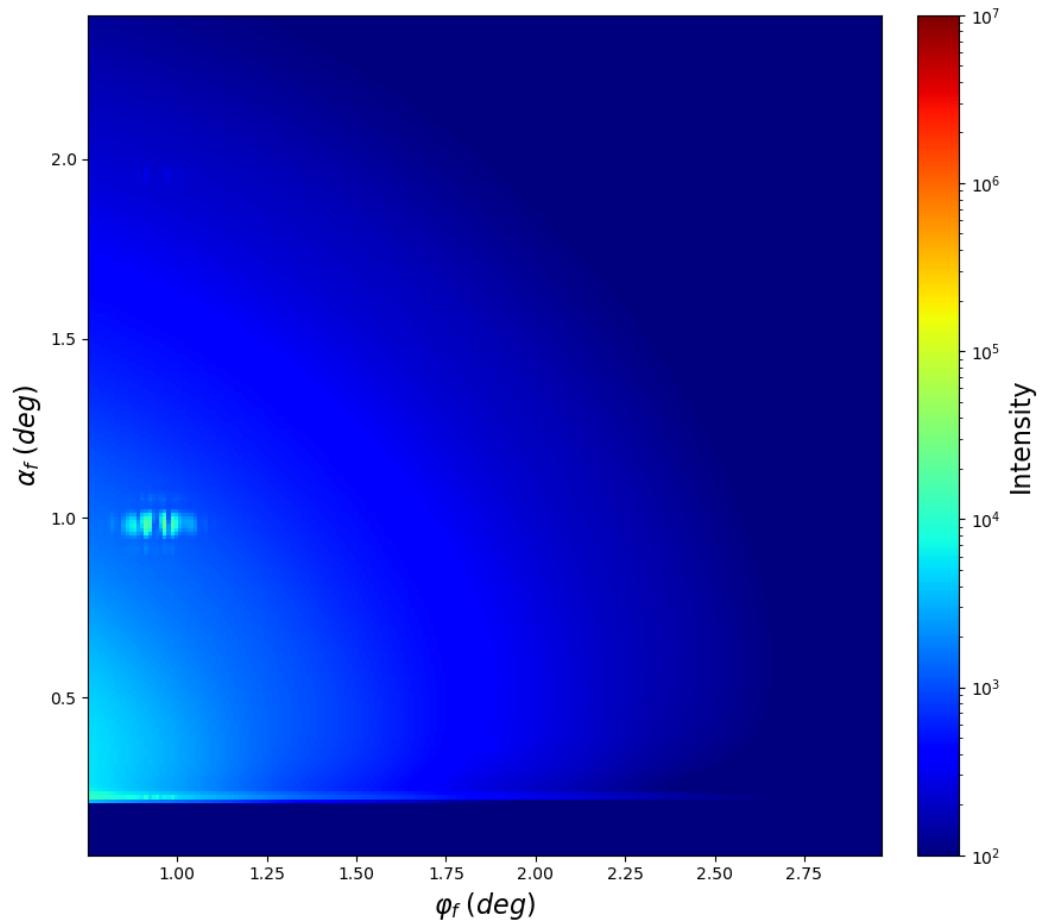
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 4.5  
}
```



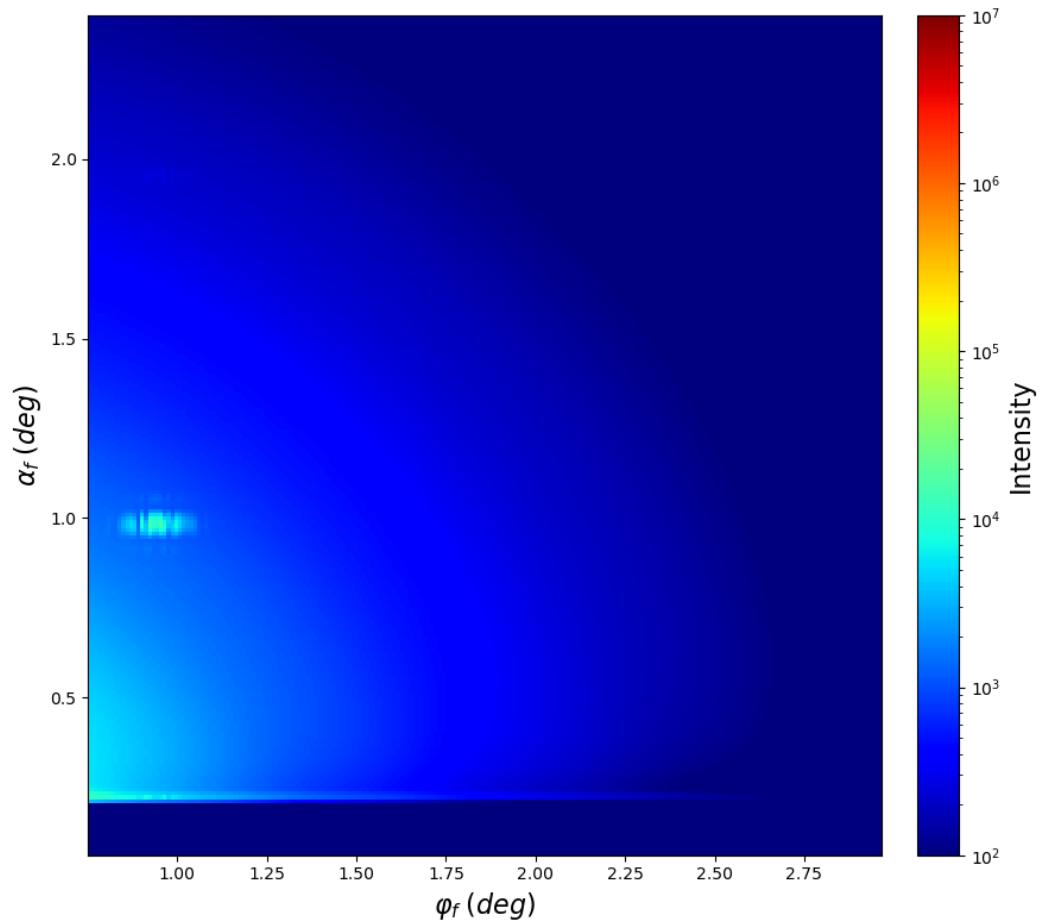
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 5.0  
}
```



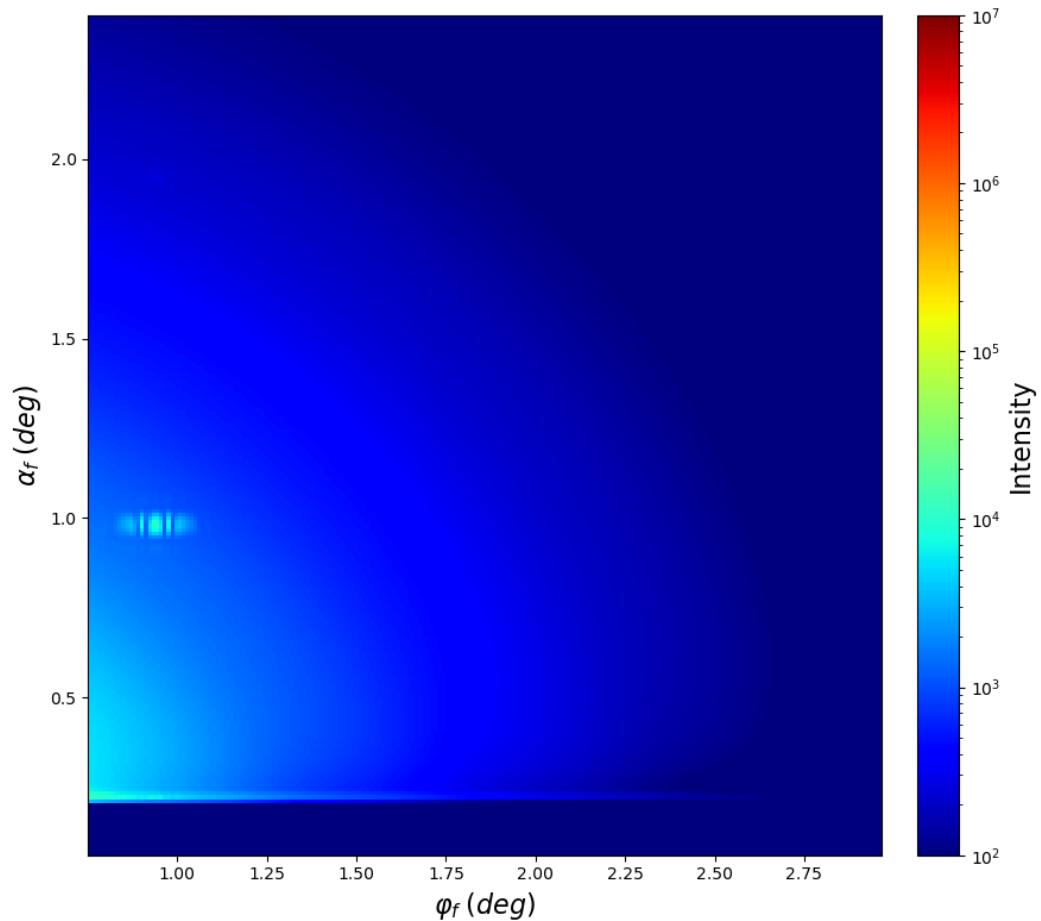
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 5.5  
}
```



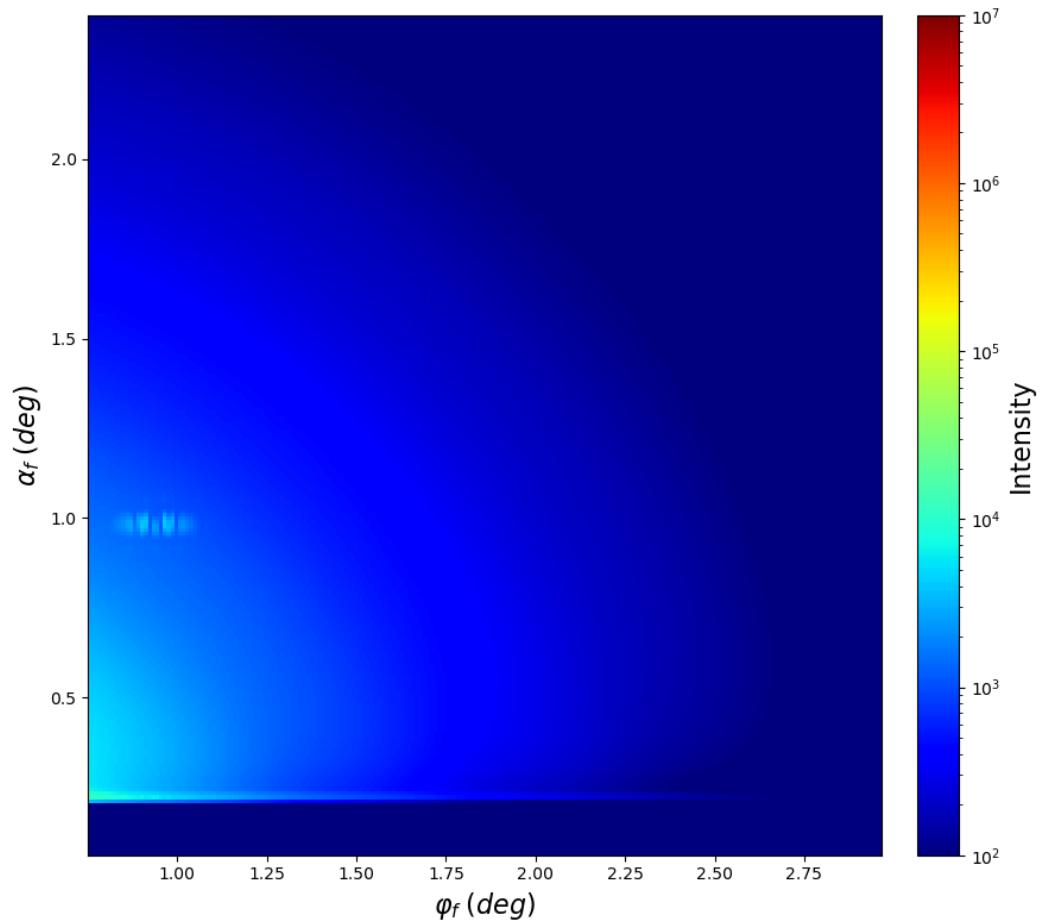
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 6.0  
}
```



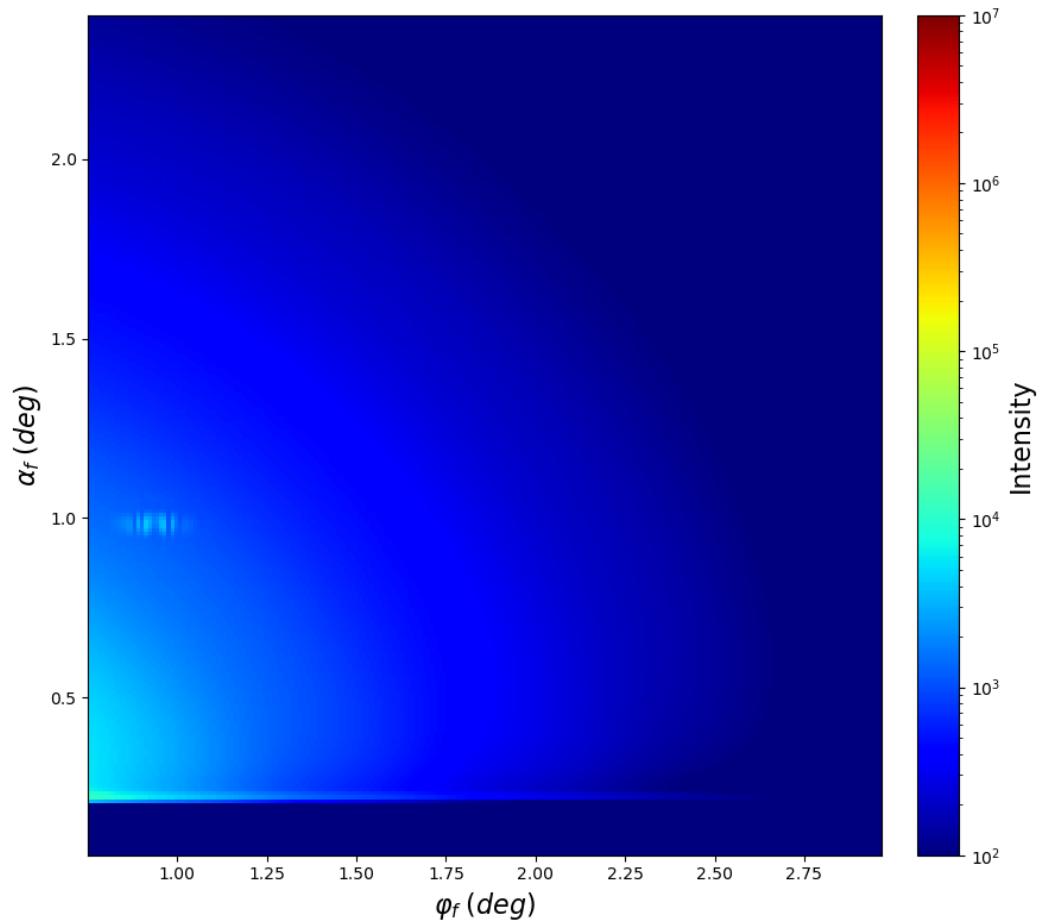
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 6.5  
}
```



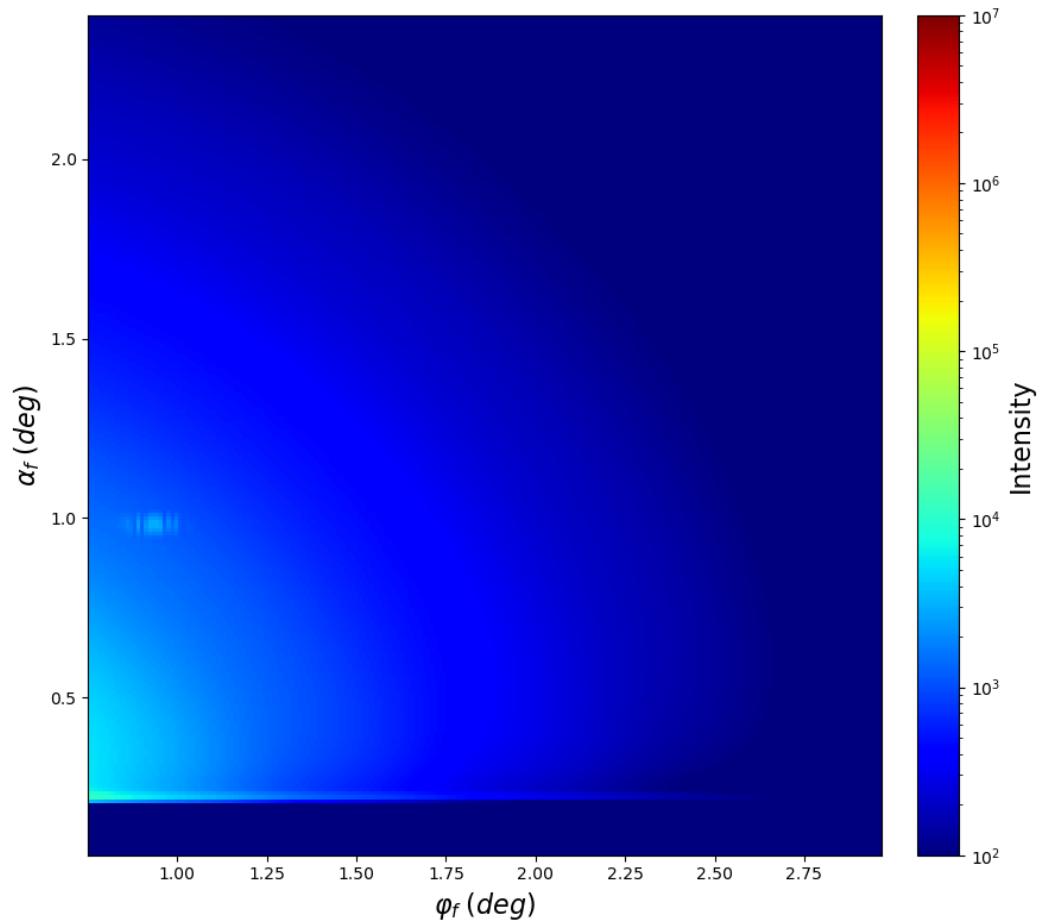
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 7.0  
}
```



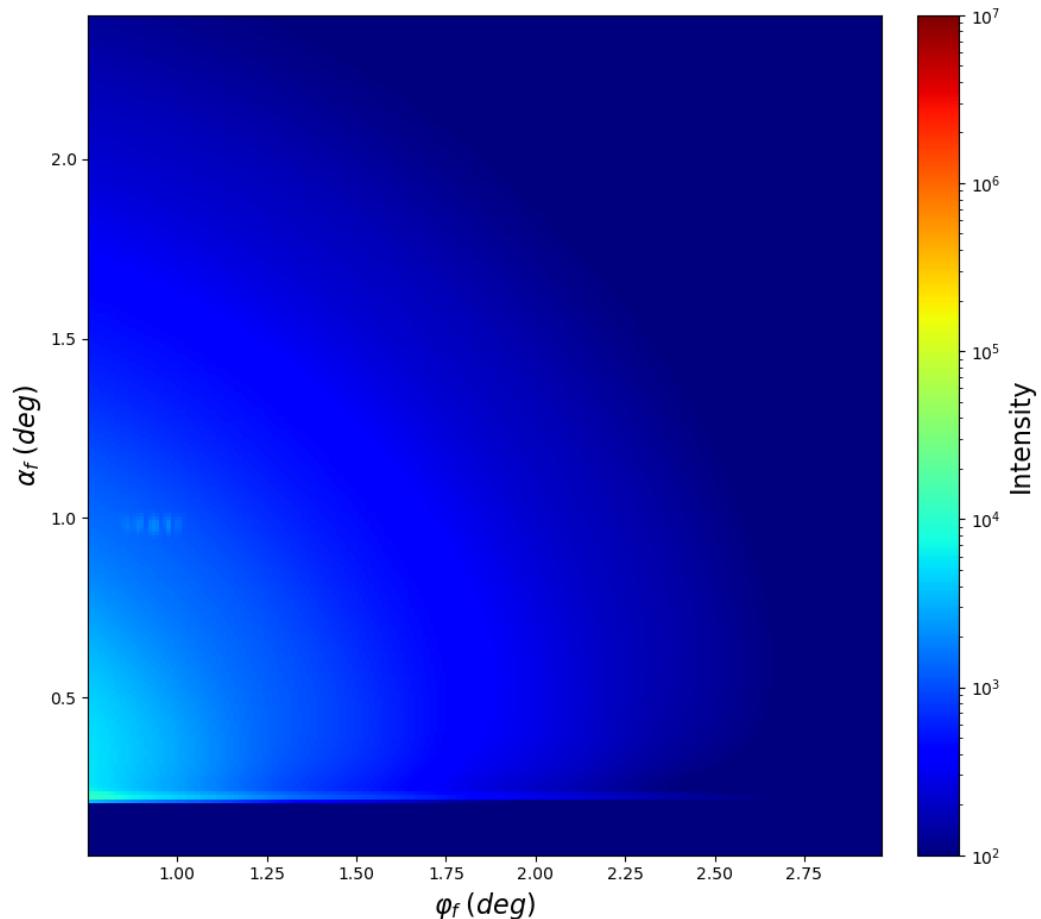
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 7.5  
}
```



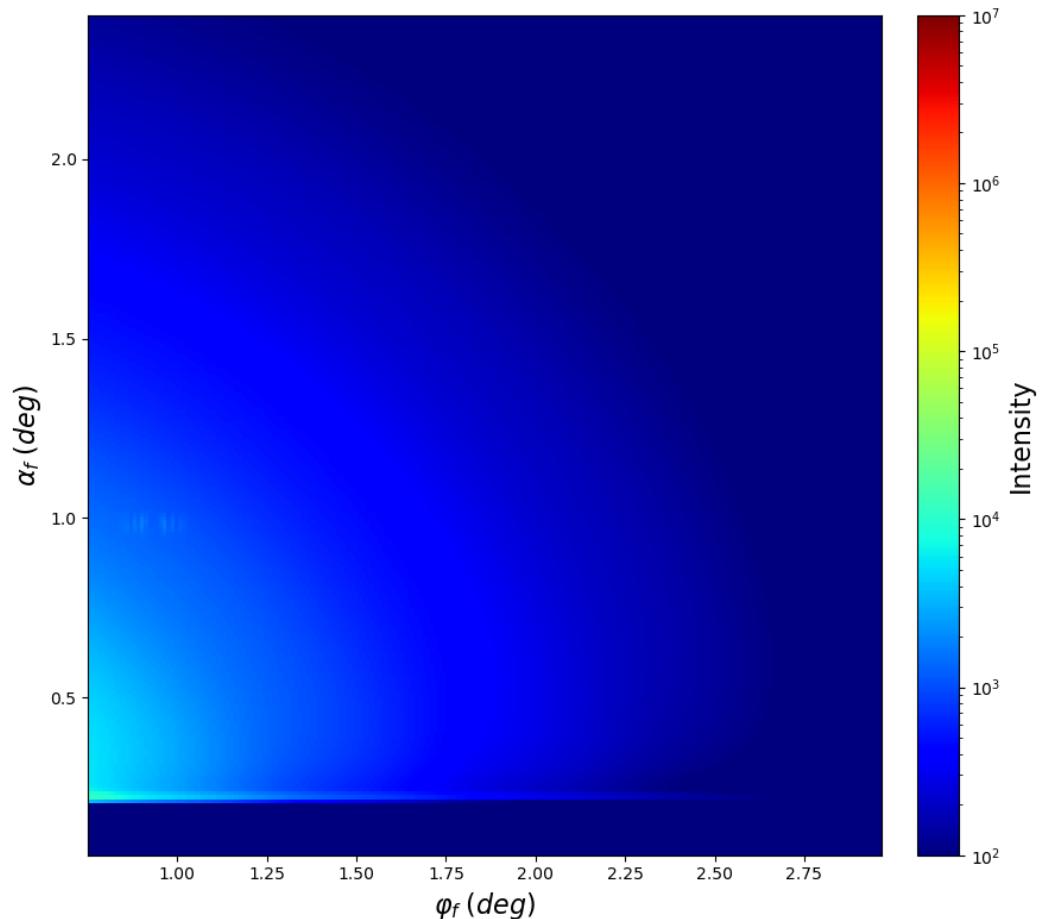
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 8.0  
}
```



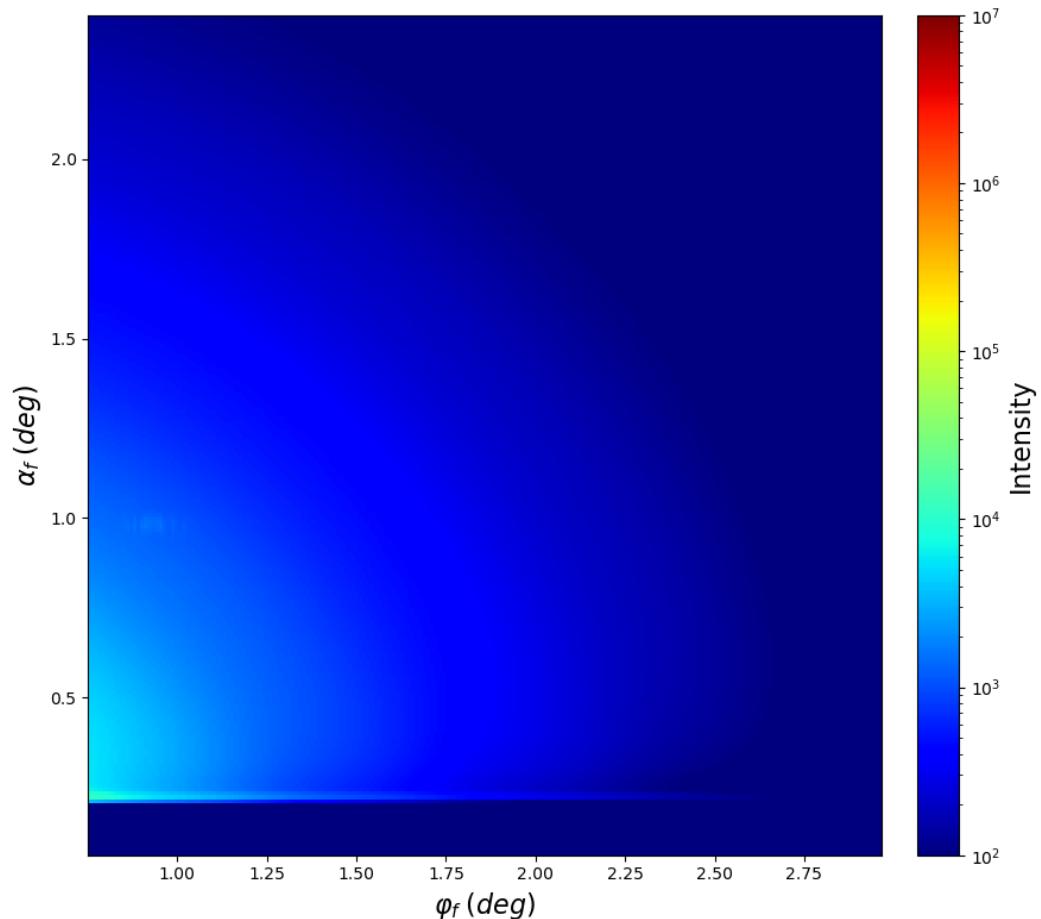
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 8.5  
}
```



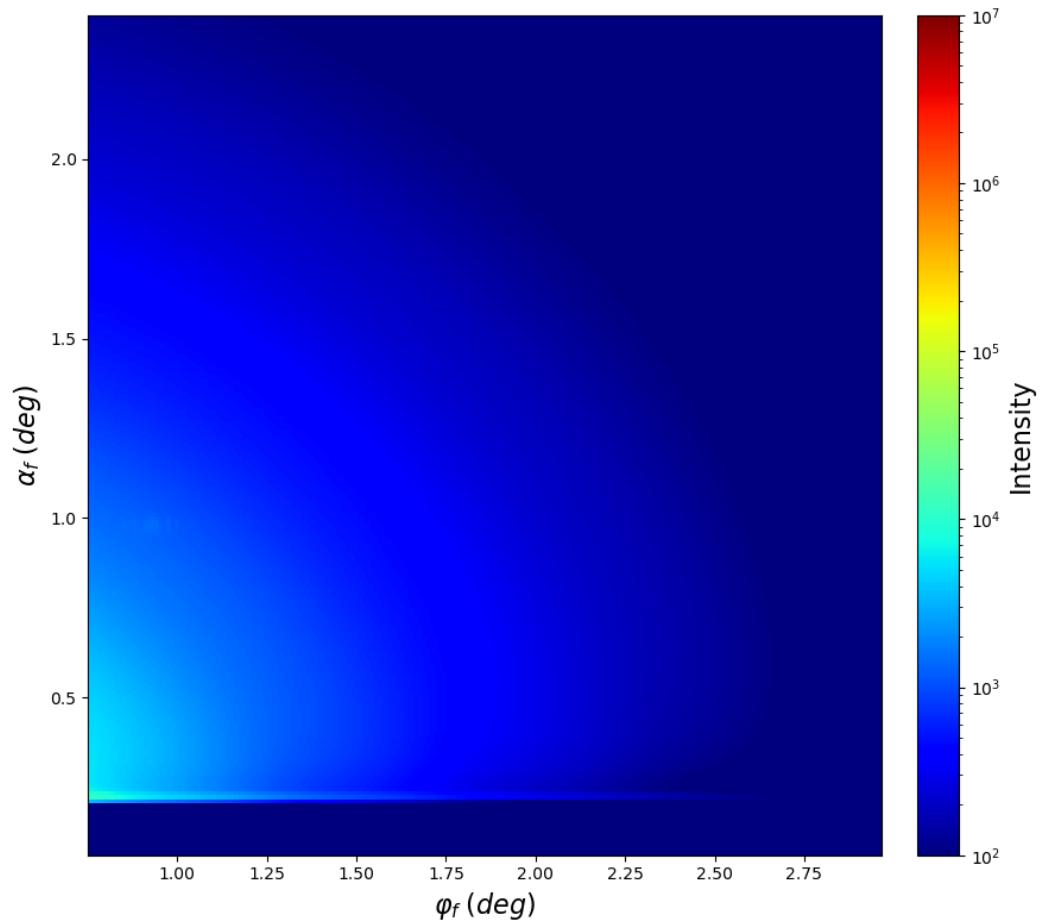
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 9.0  
}
```



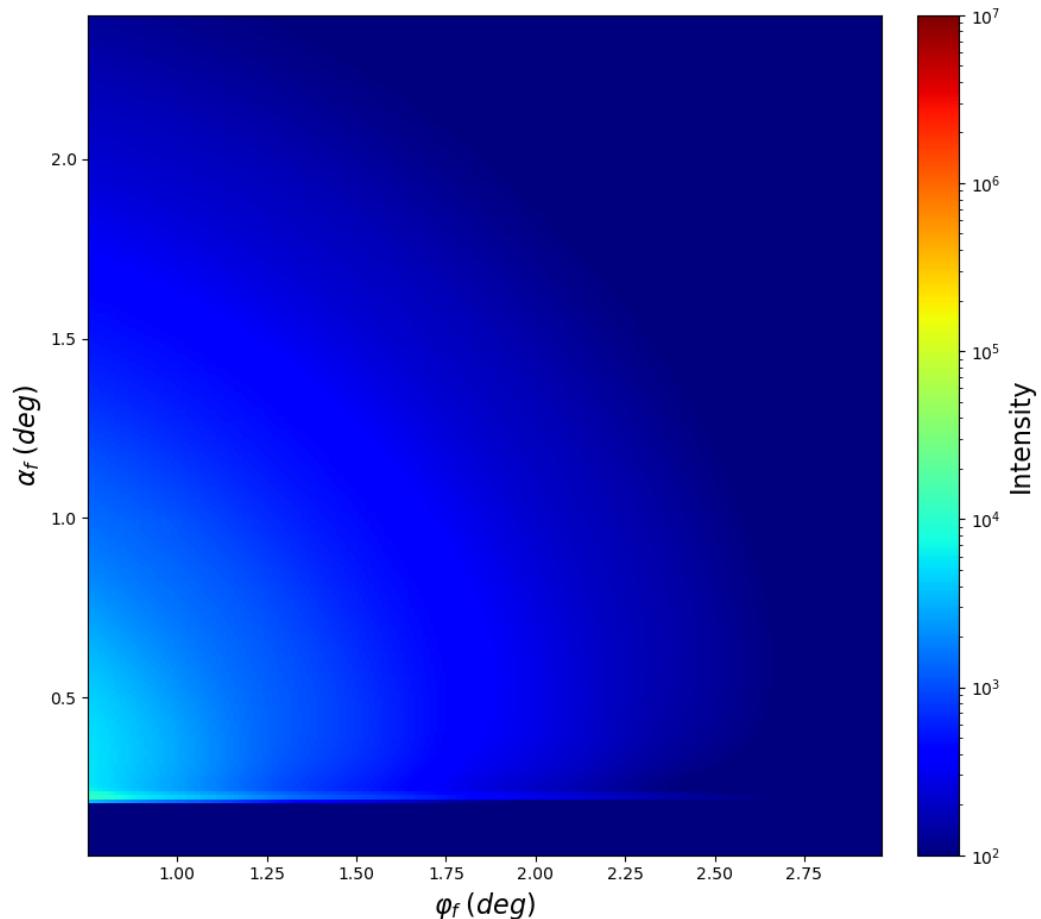
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 9.5  
}
```



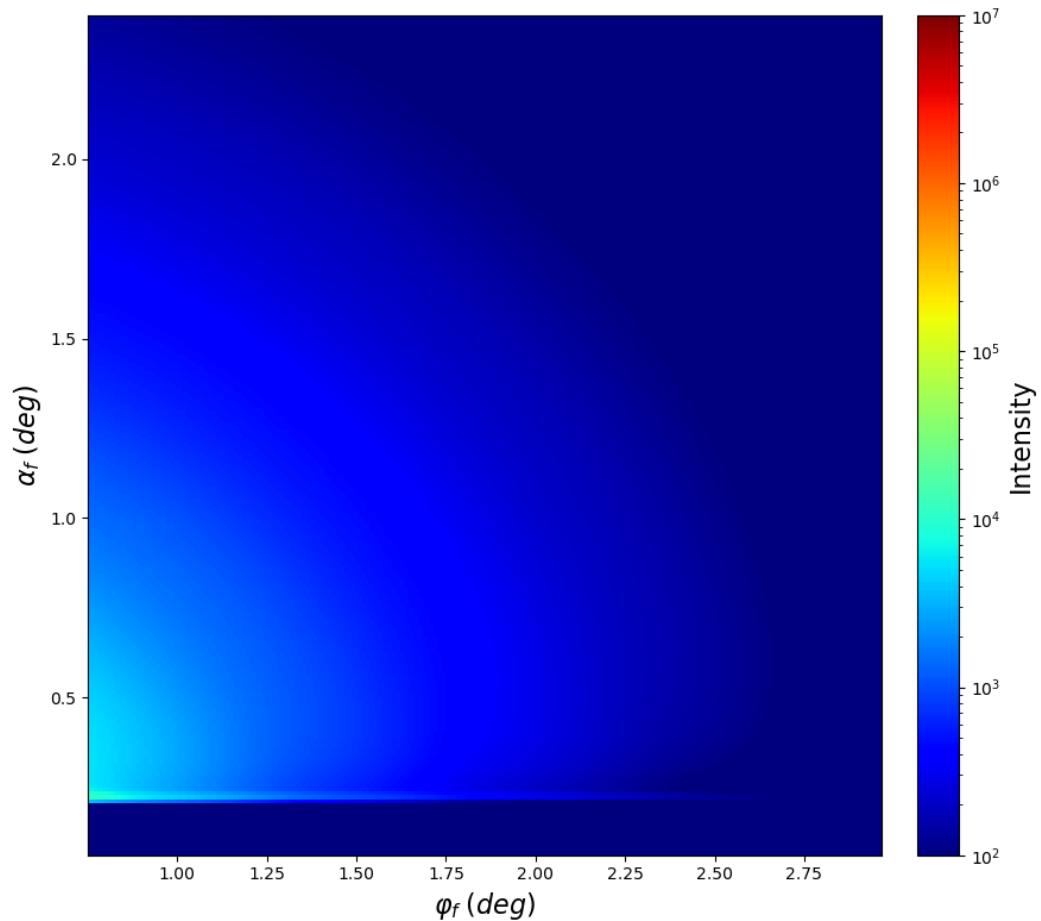
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 10.0  
}
```



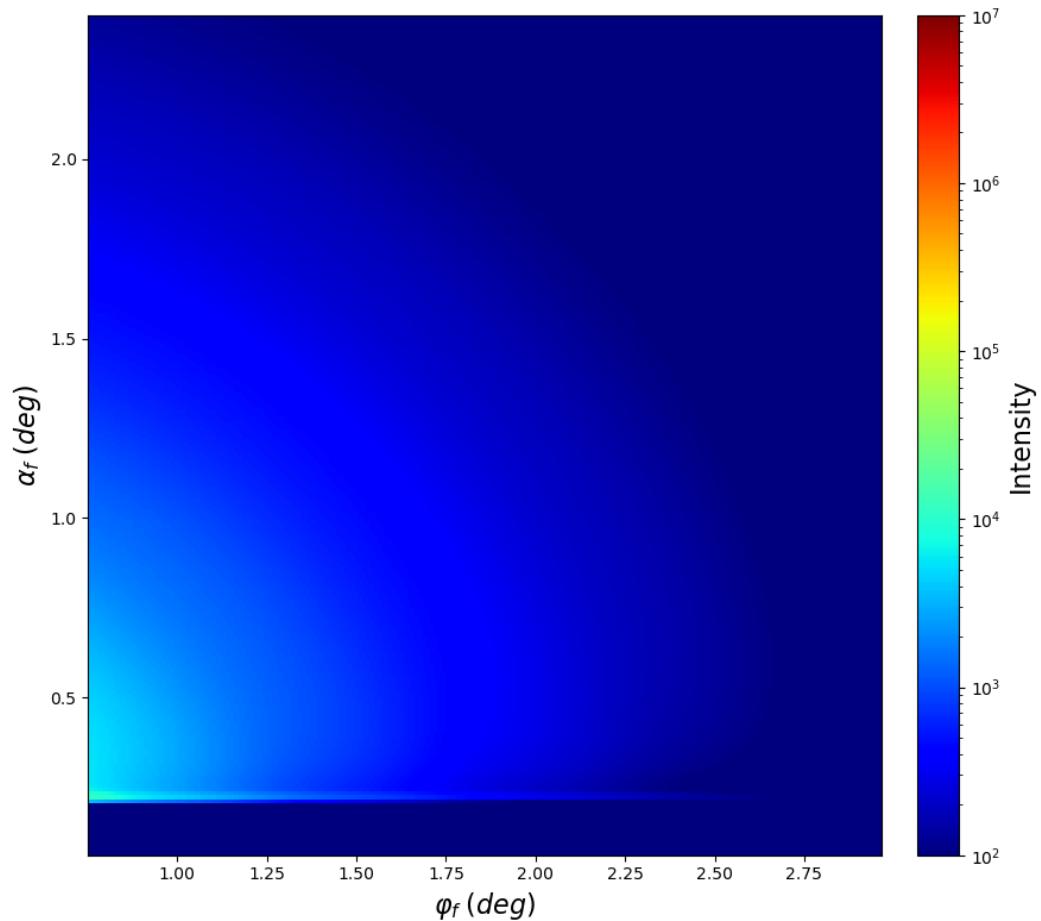
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 10.5  
}
```



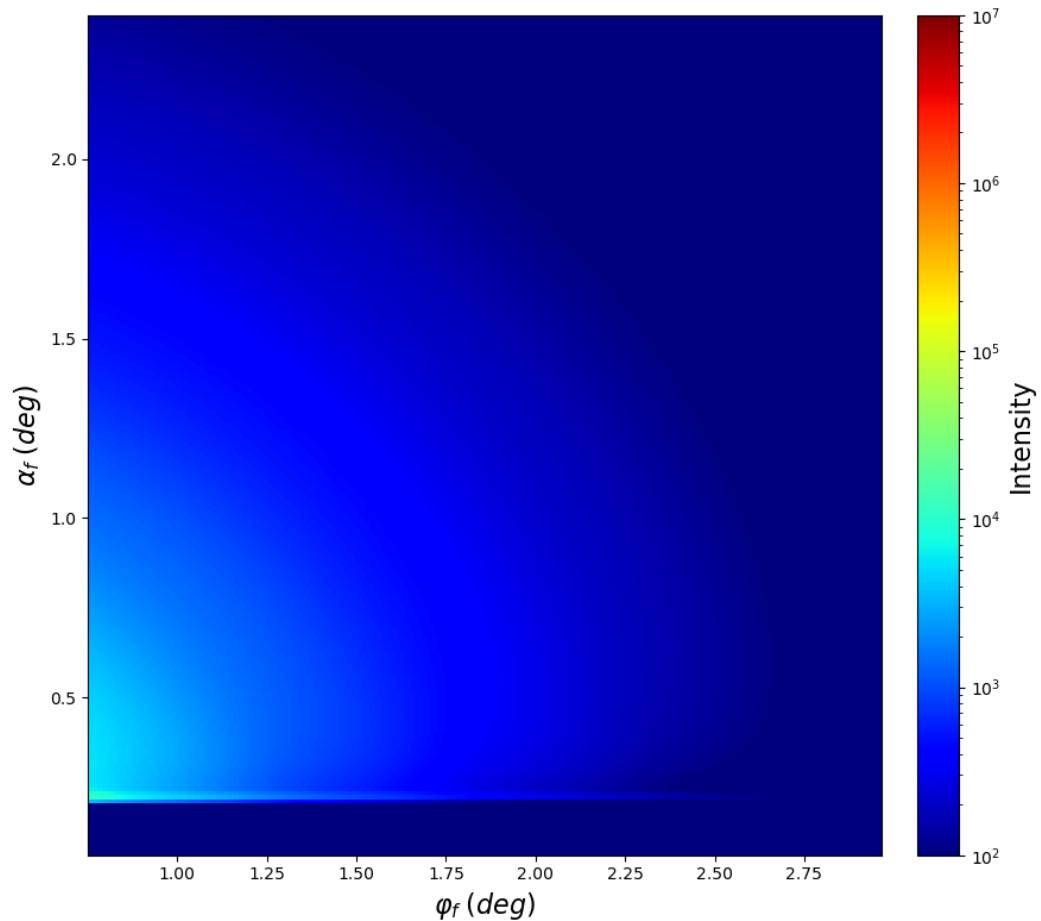
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 11.0  
}
```



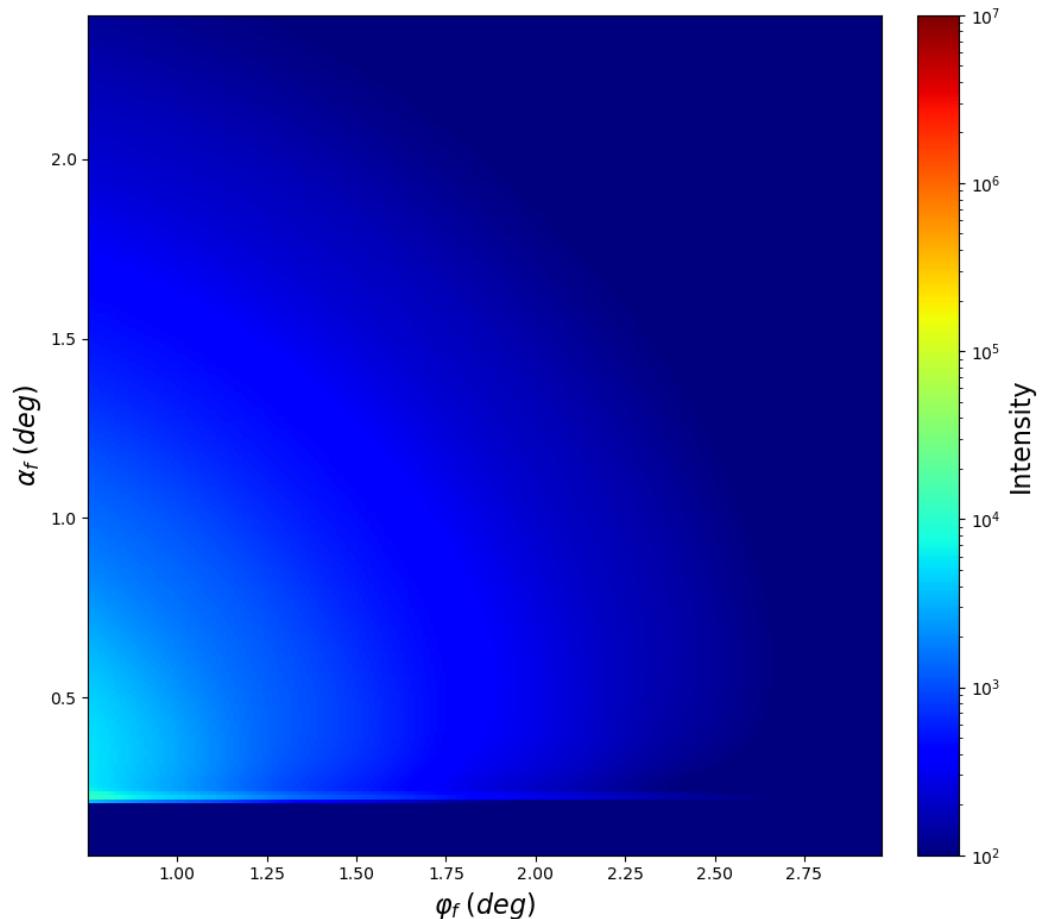
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 11.5  
}
```



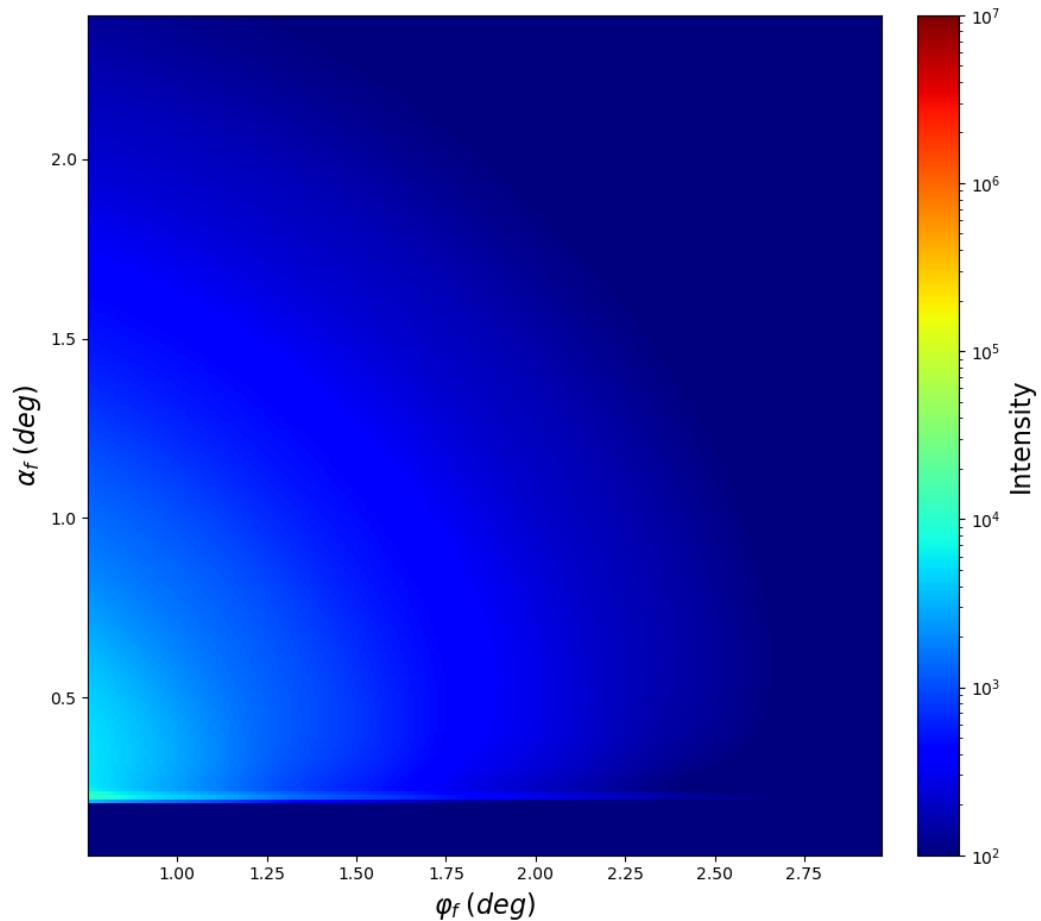
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 12.0  
}
```



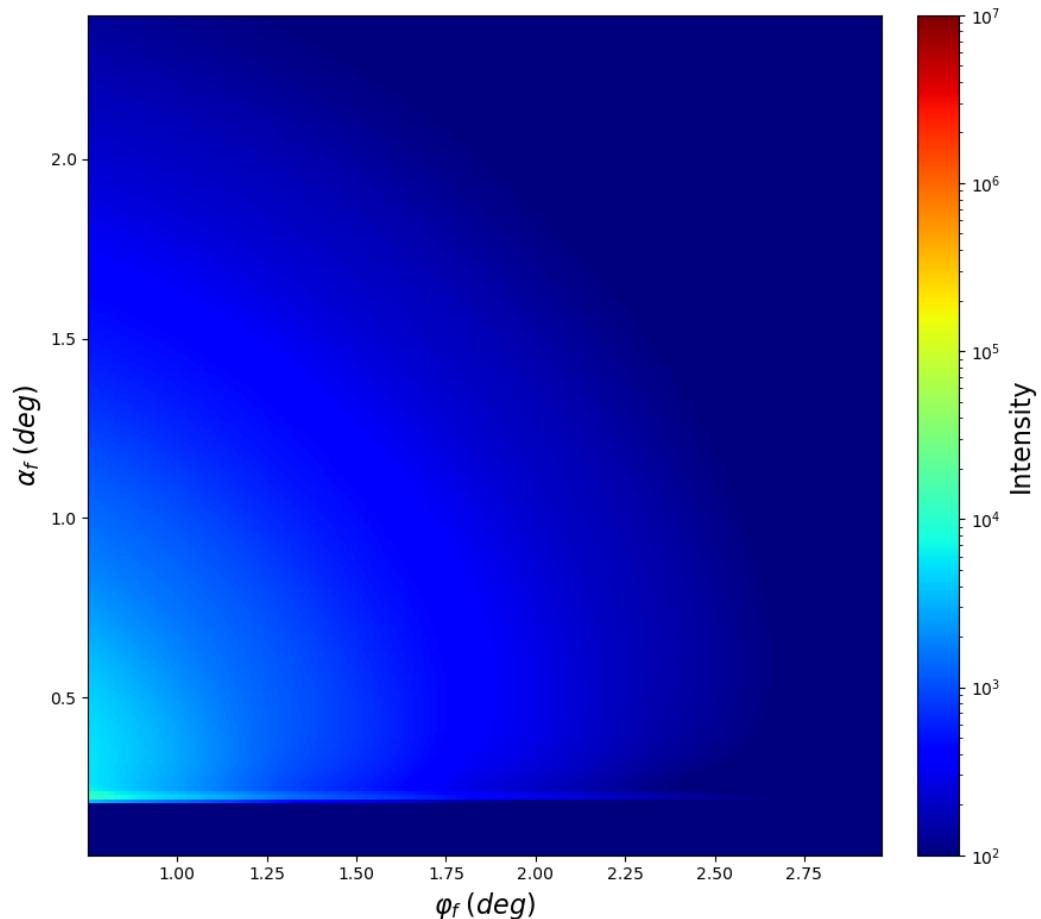
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 12.5  
}
```



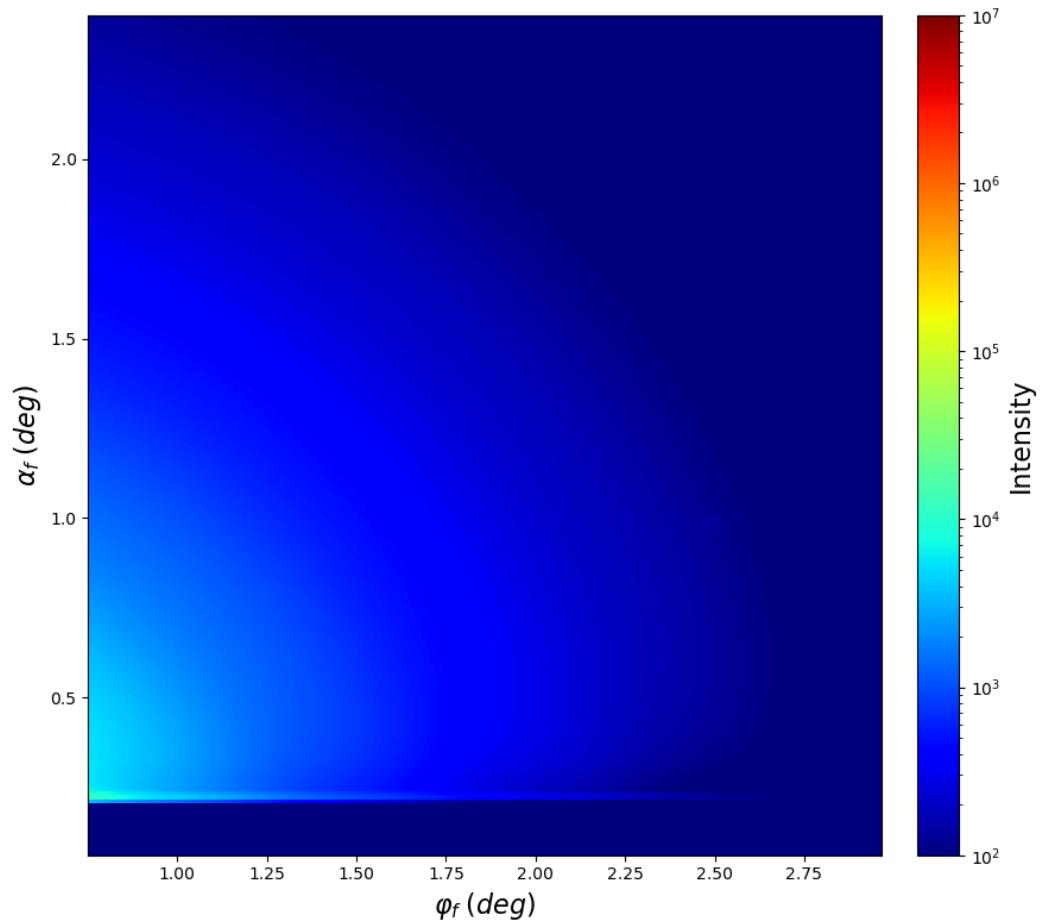
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 13.0  
}
```



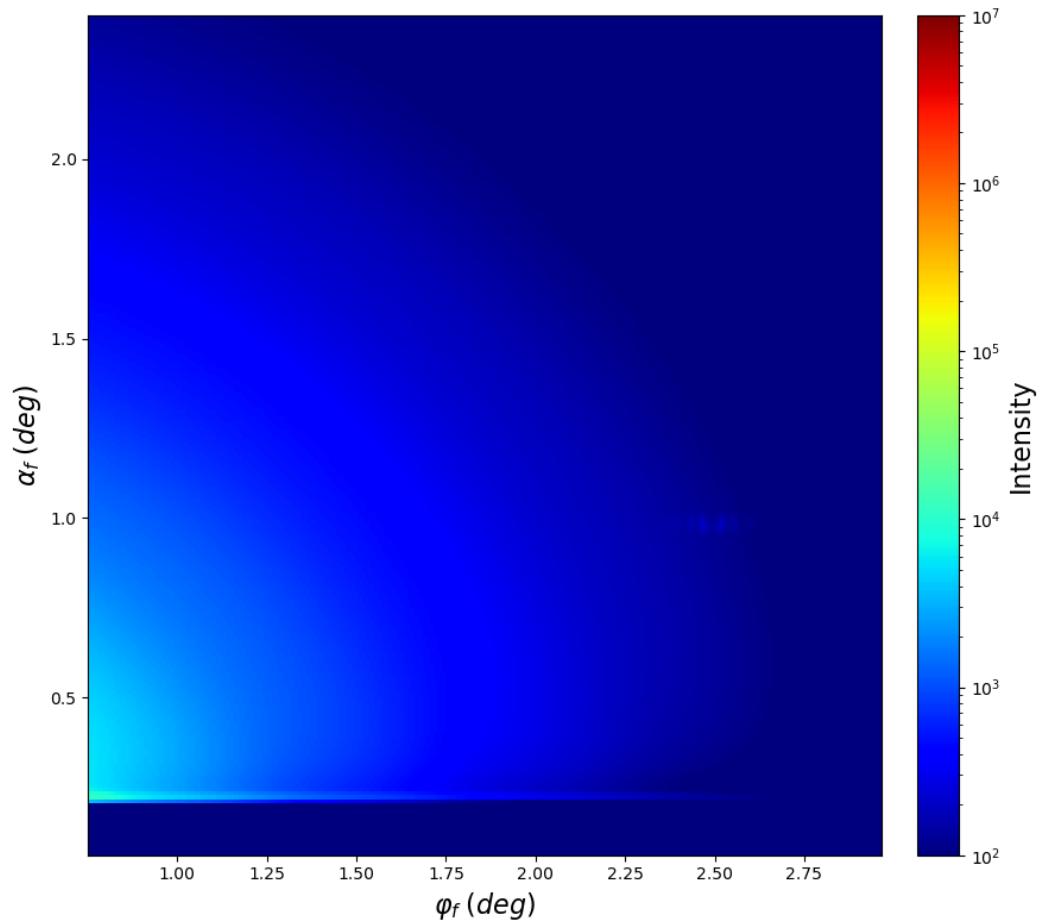
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 13.5  
}
```



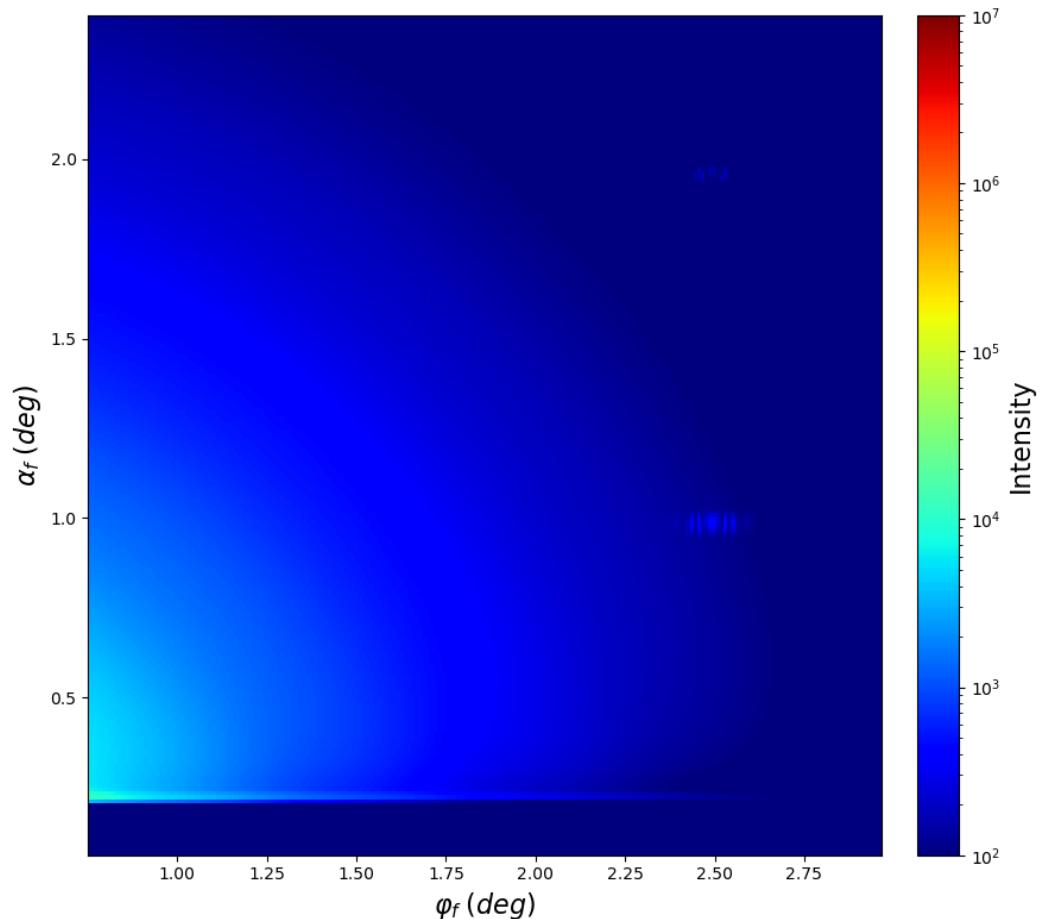
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 14.0  
}
```



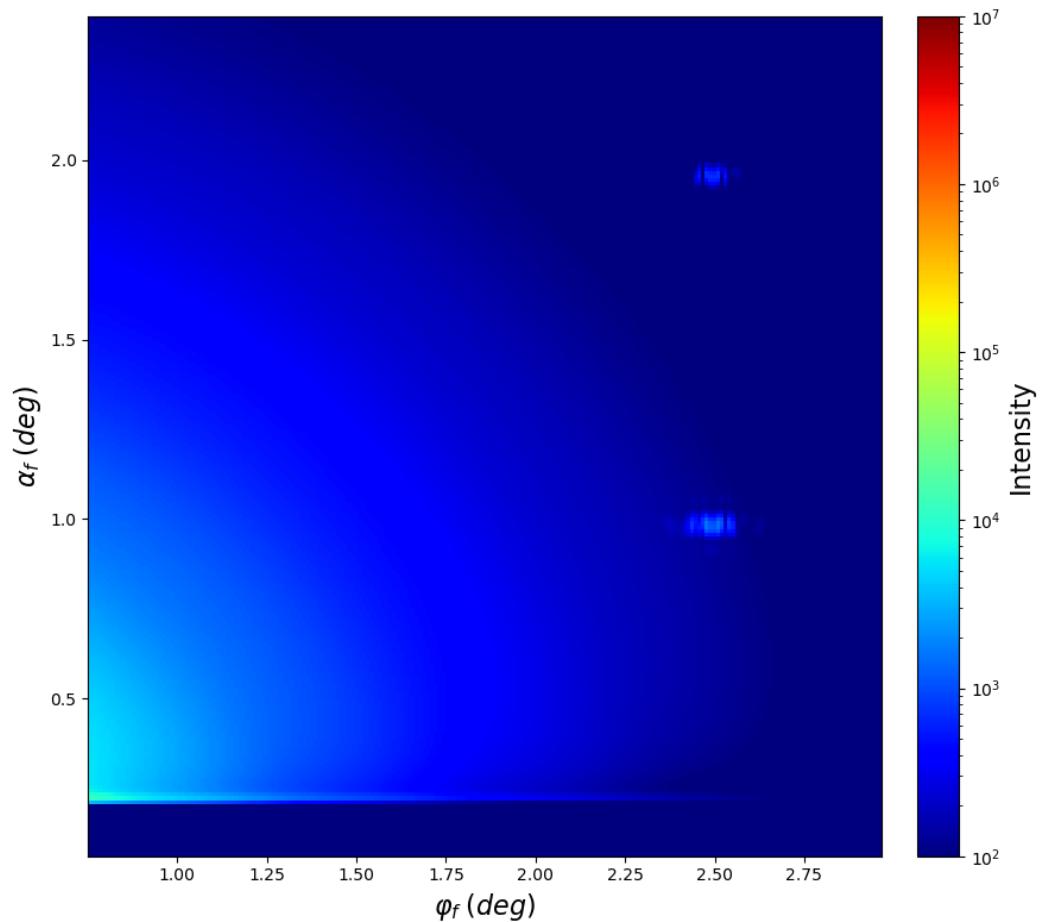
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 14.5  
}
```



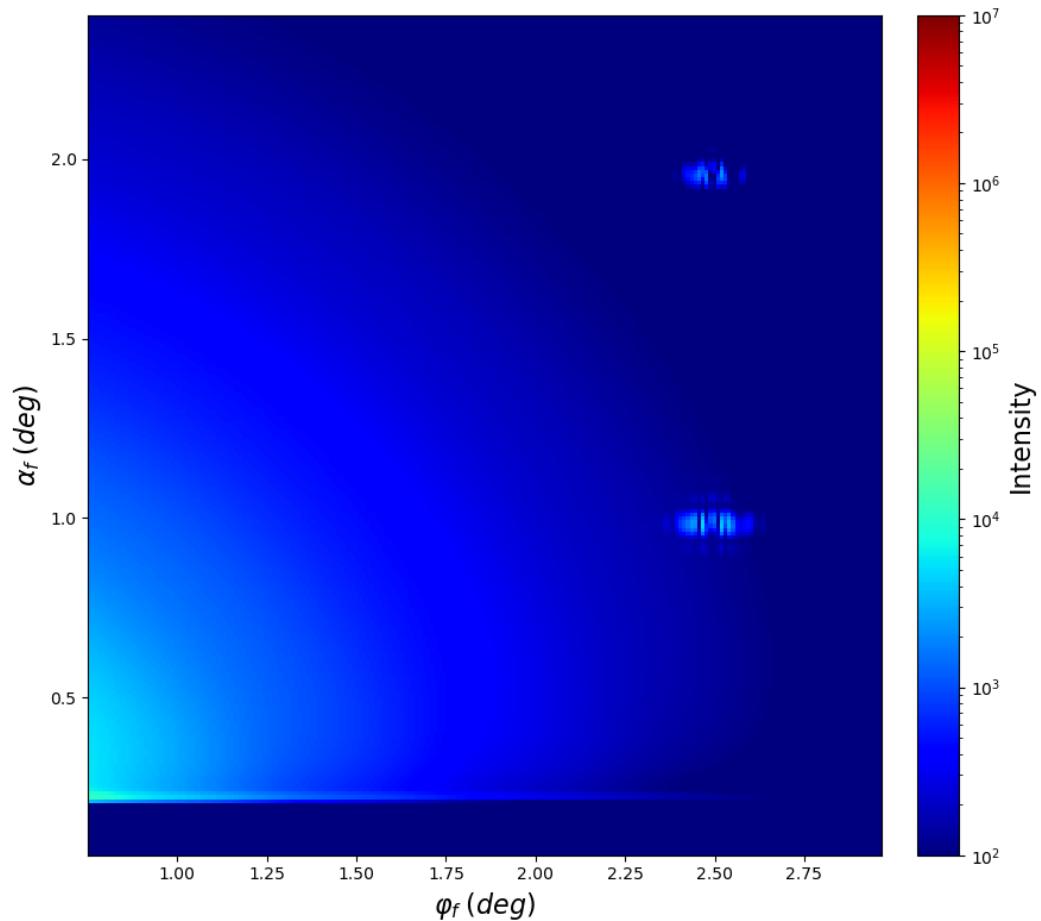
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 15.0  
}
```



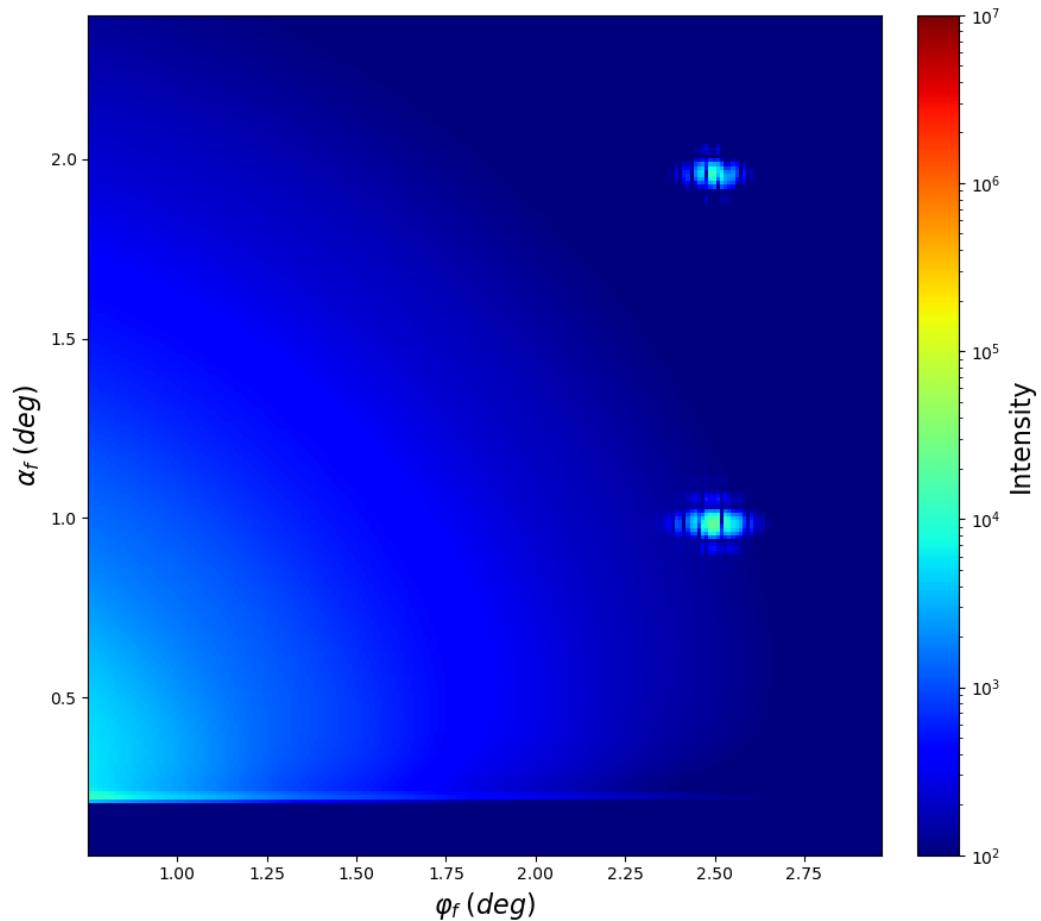
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 15.5  
}
```



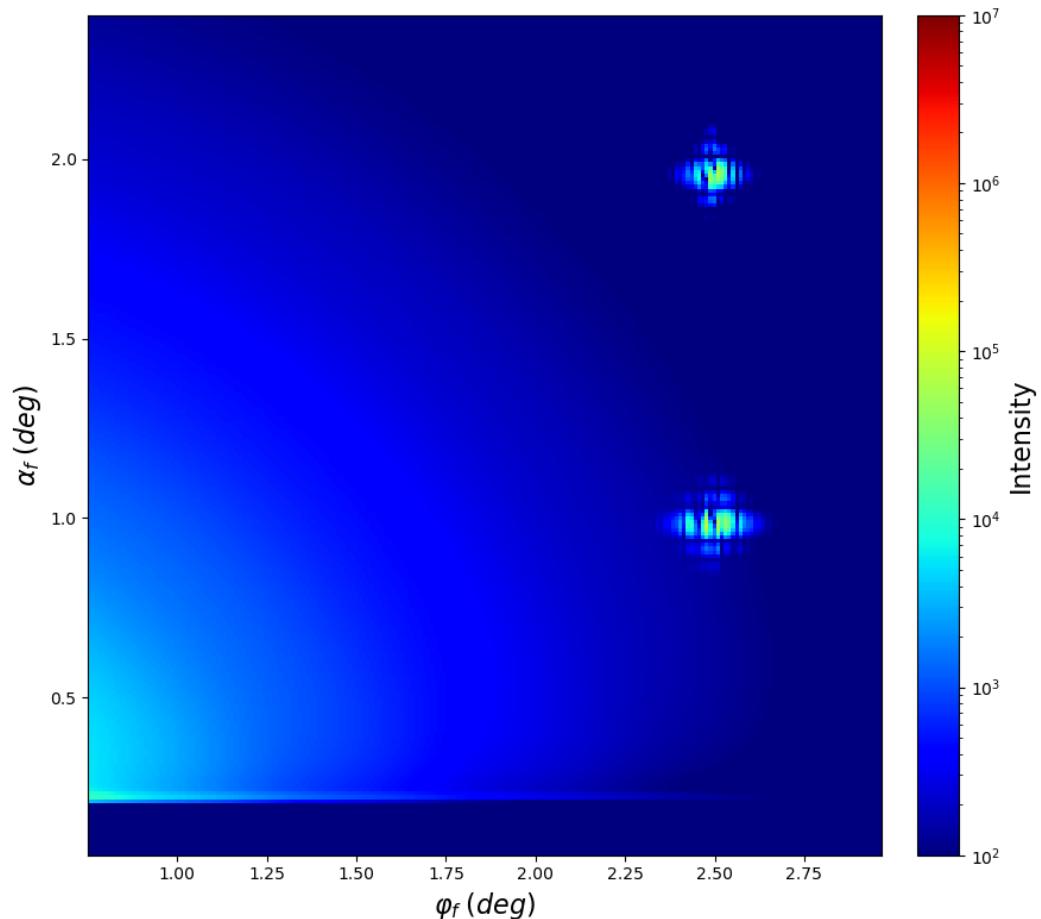
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 16.0  
}
```



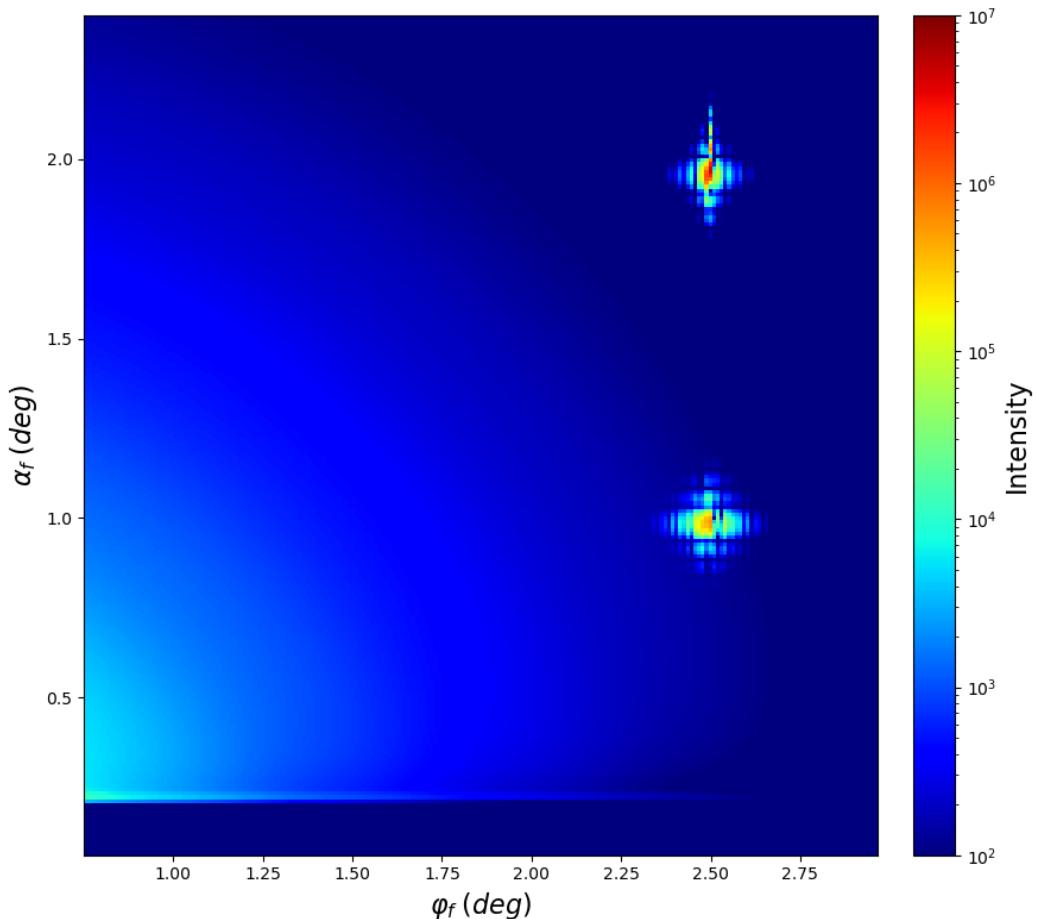
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 16.5  
}
```



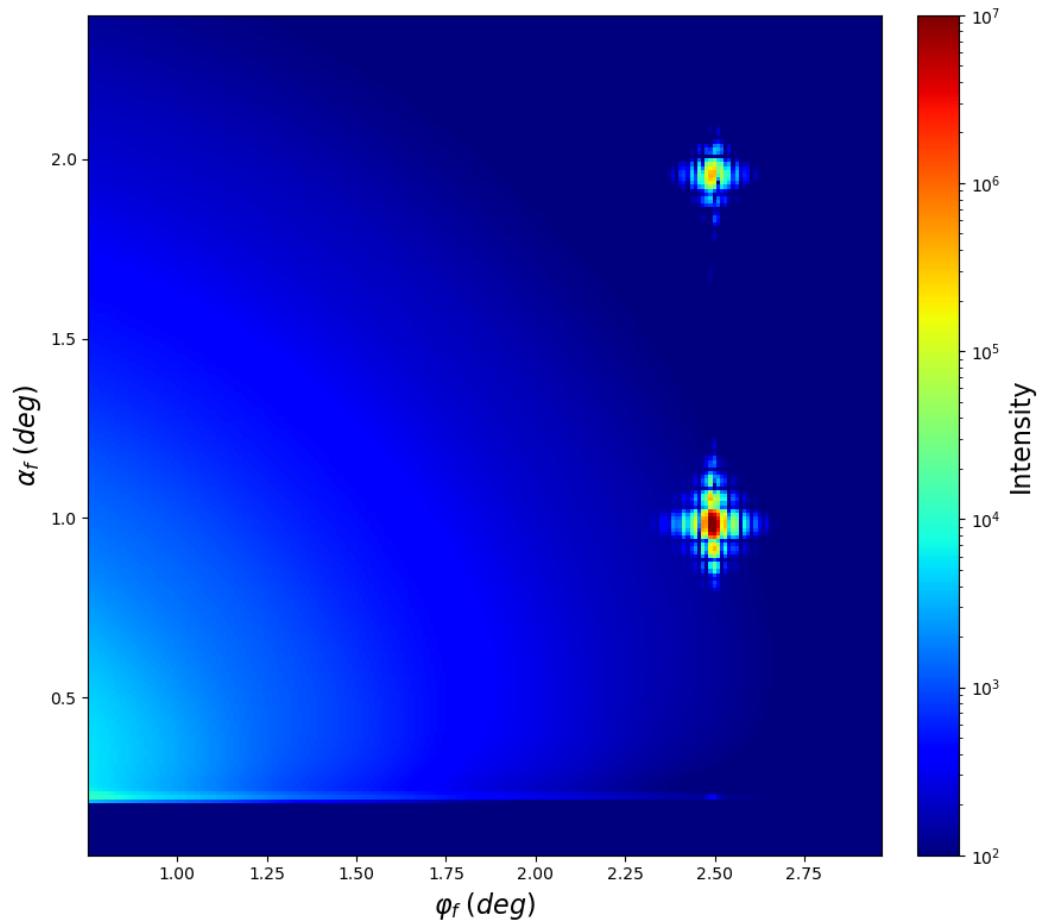
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 17.0  
}
```



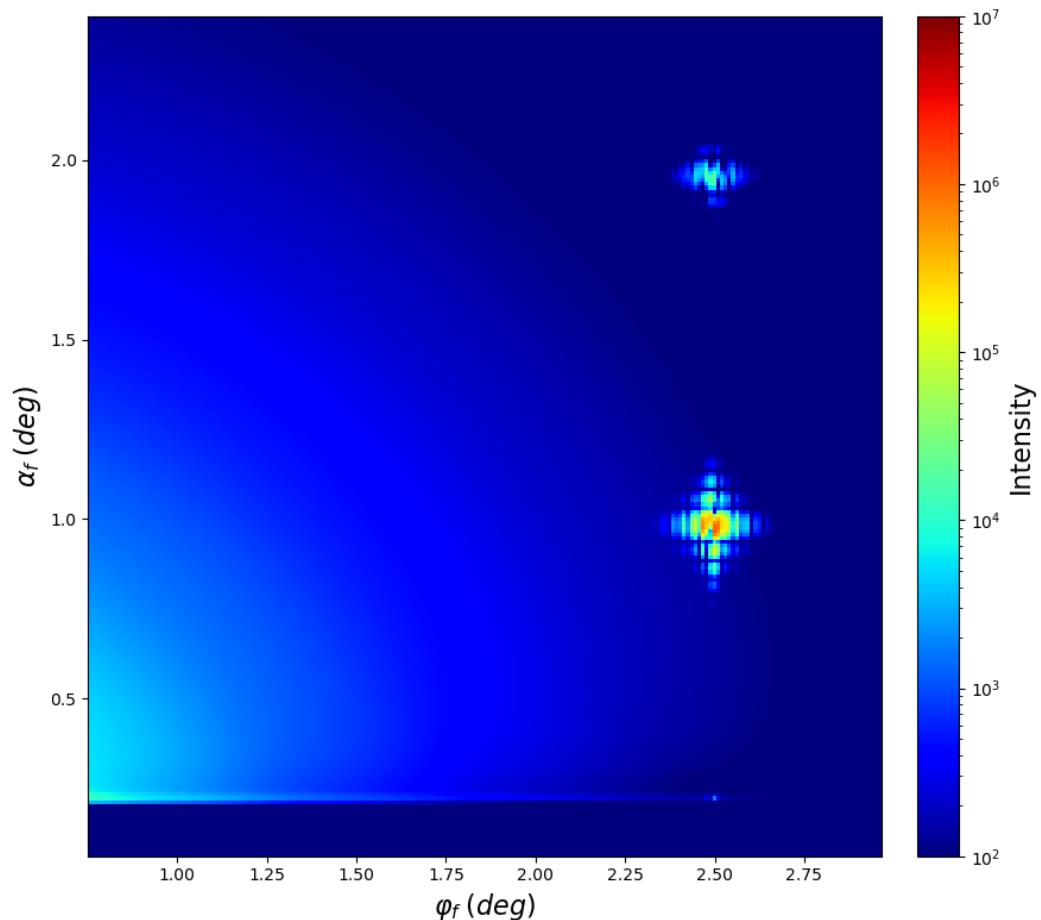
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 17.5  
}
```



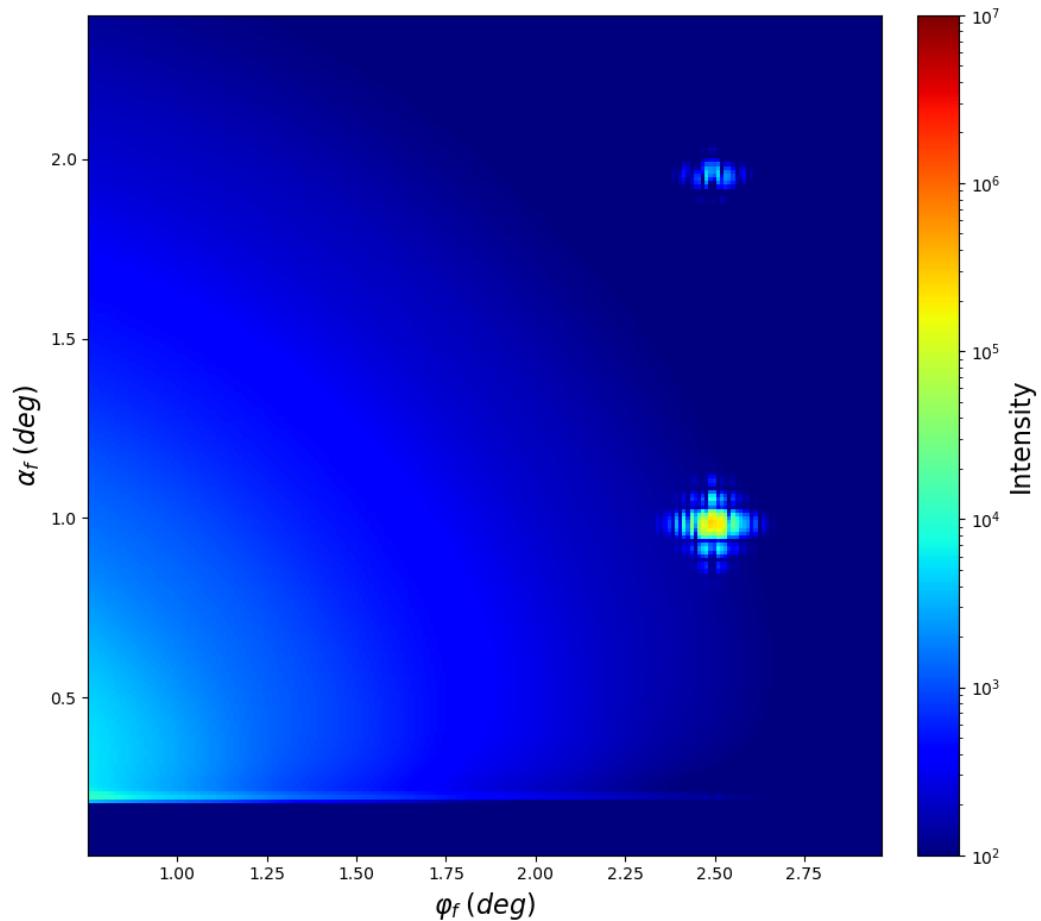
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 18.0  
}
```



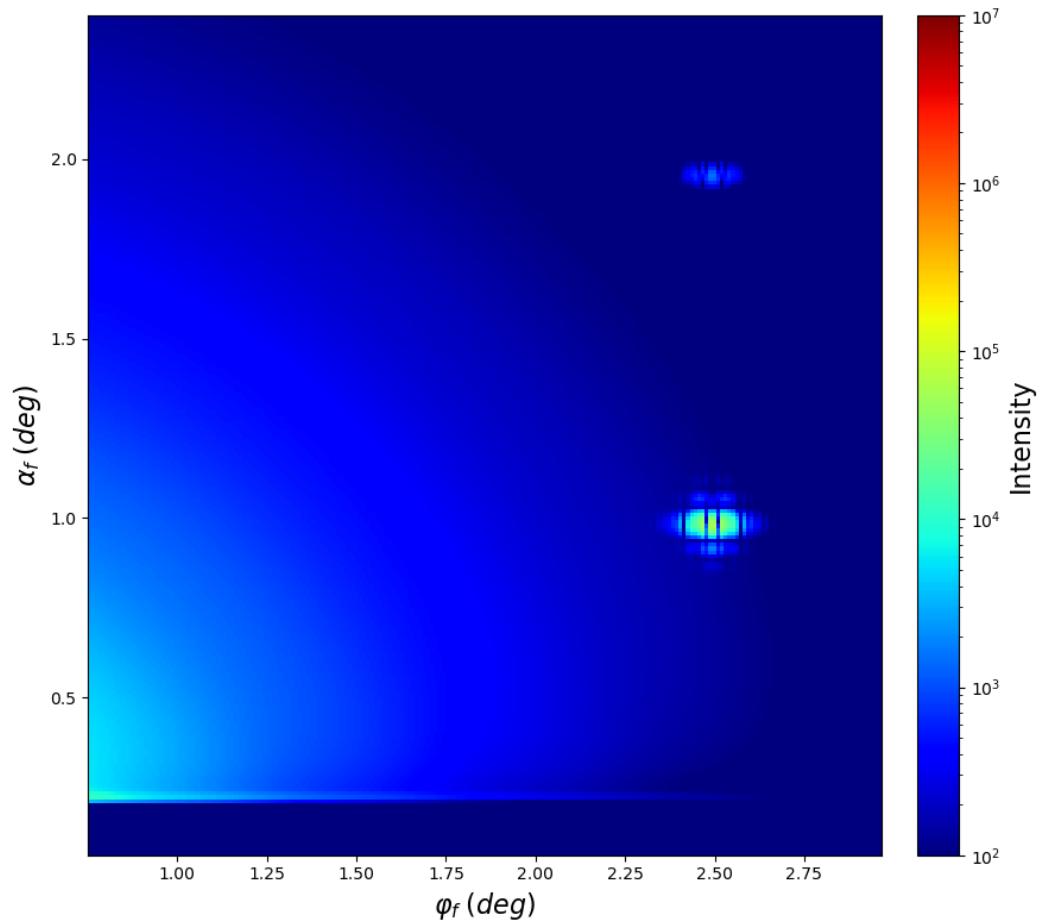
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 18.5  
}
```



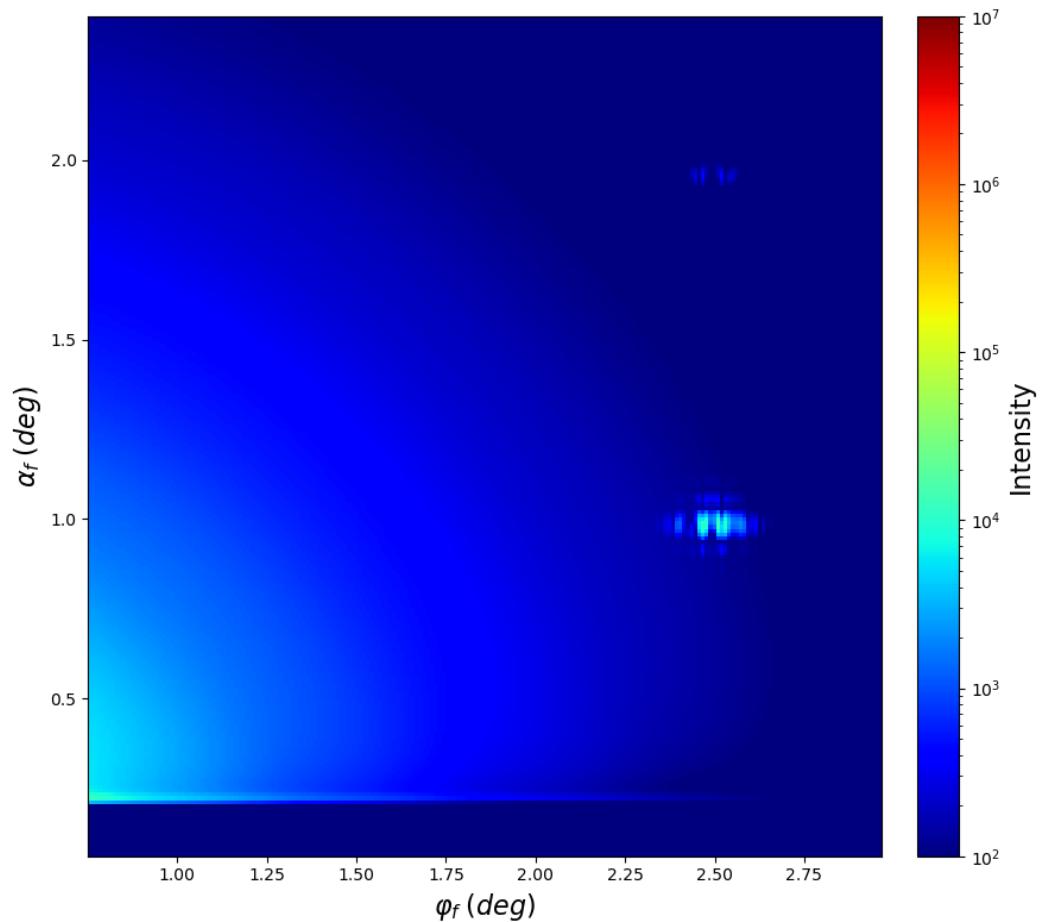
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 19.0  
}
```



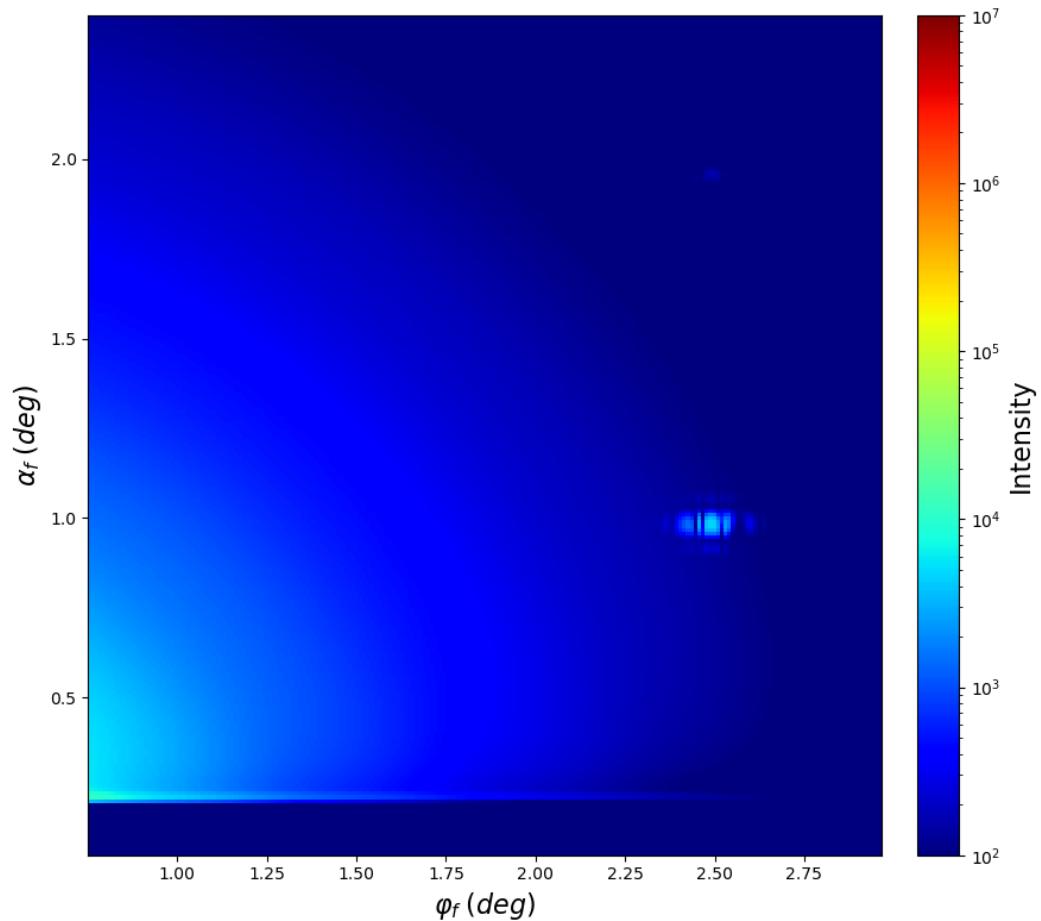
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 19.5  
}
```



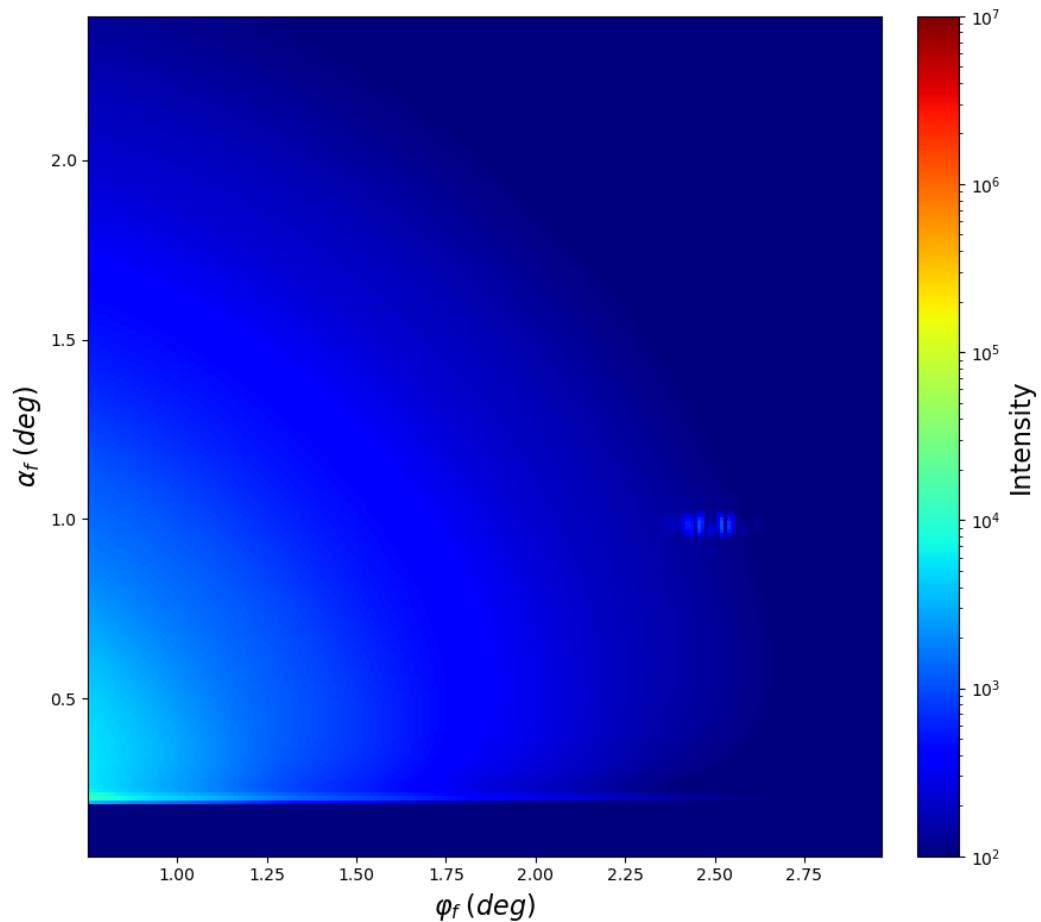
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 20.0  
}
```



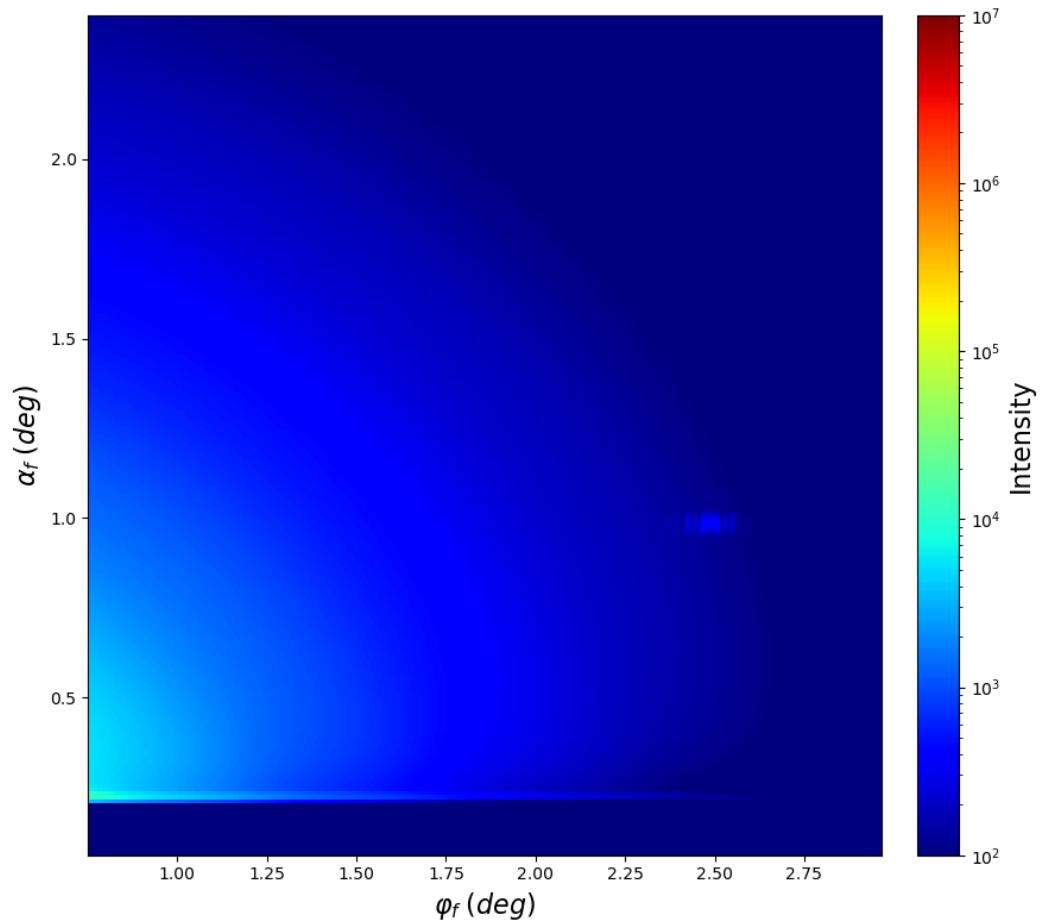
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 20.5  
}
```



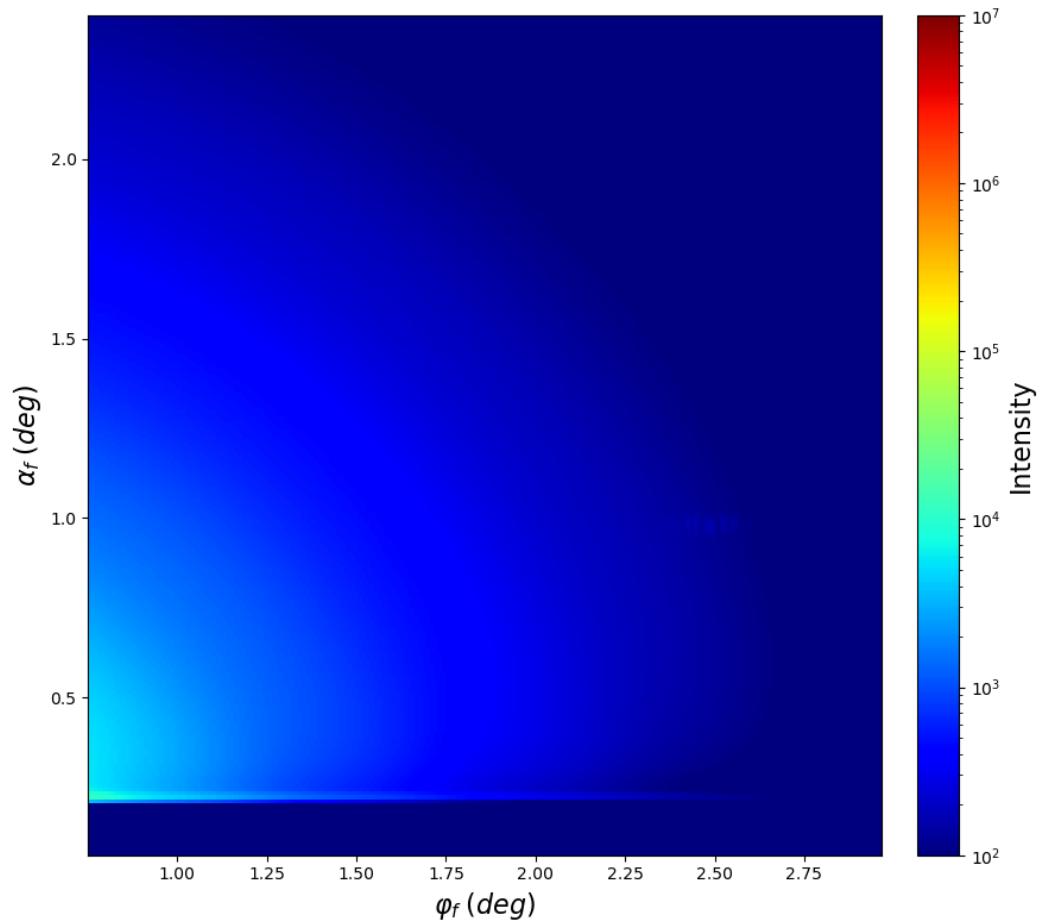
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 21.0  
}
```



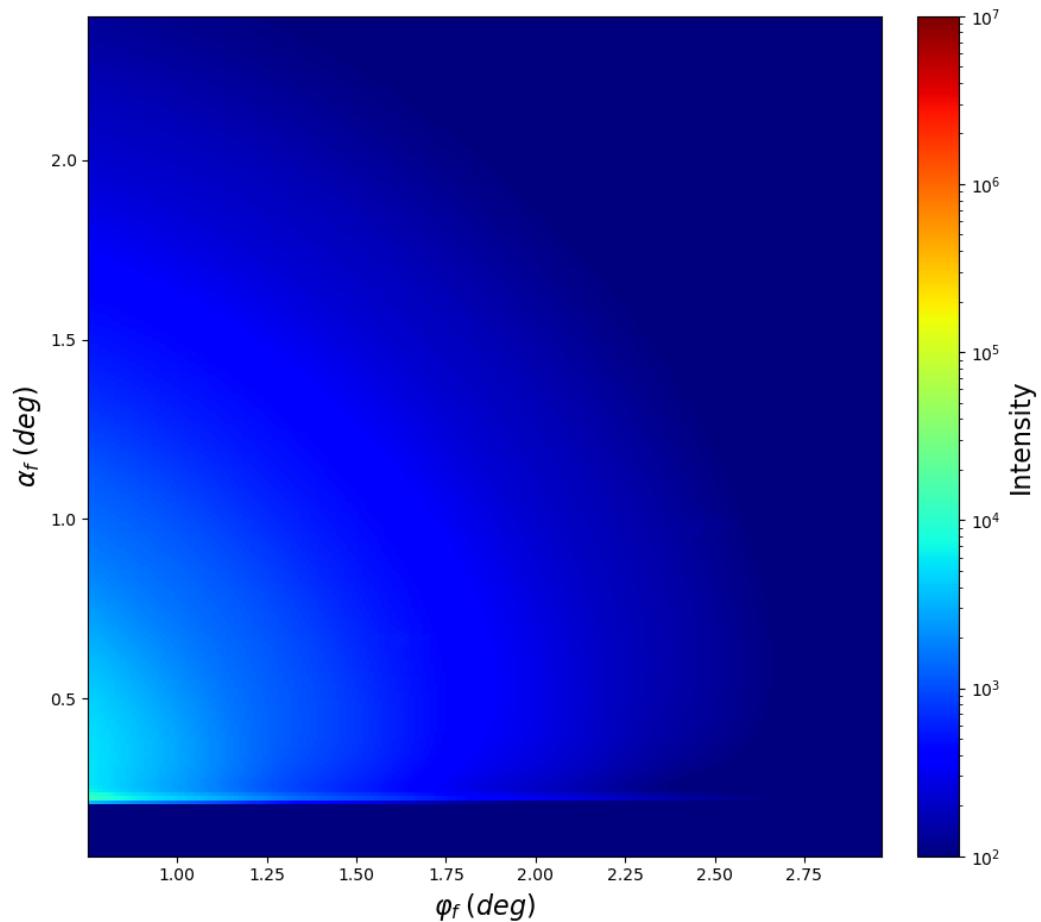
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 21.5  
}
```



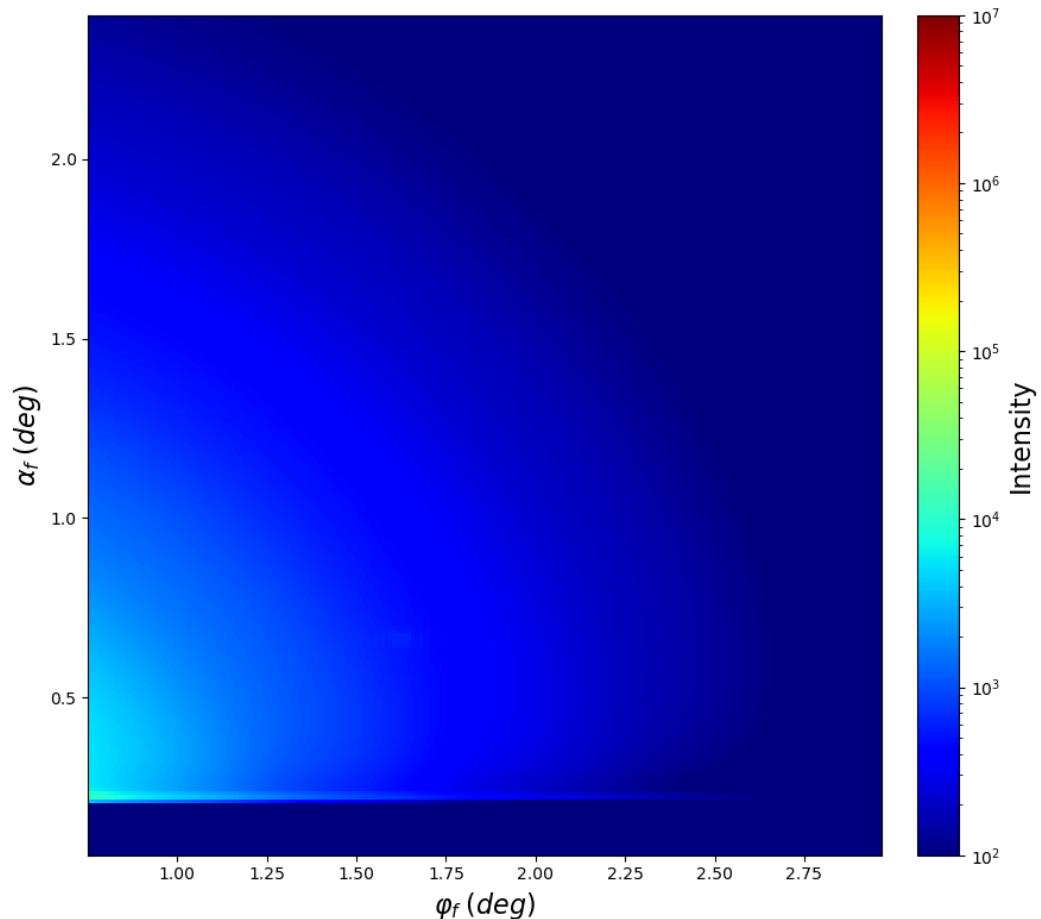
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 22.0  
}
```



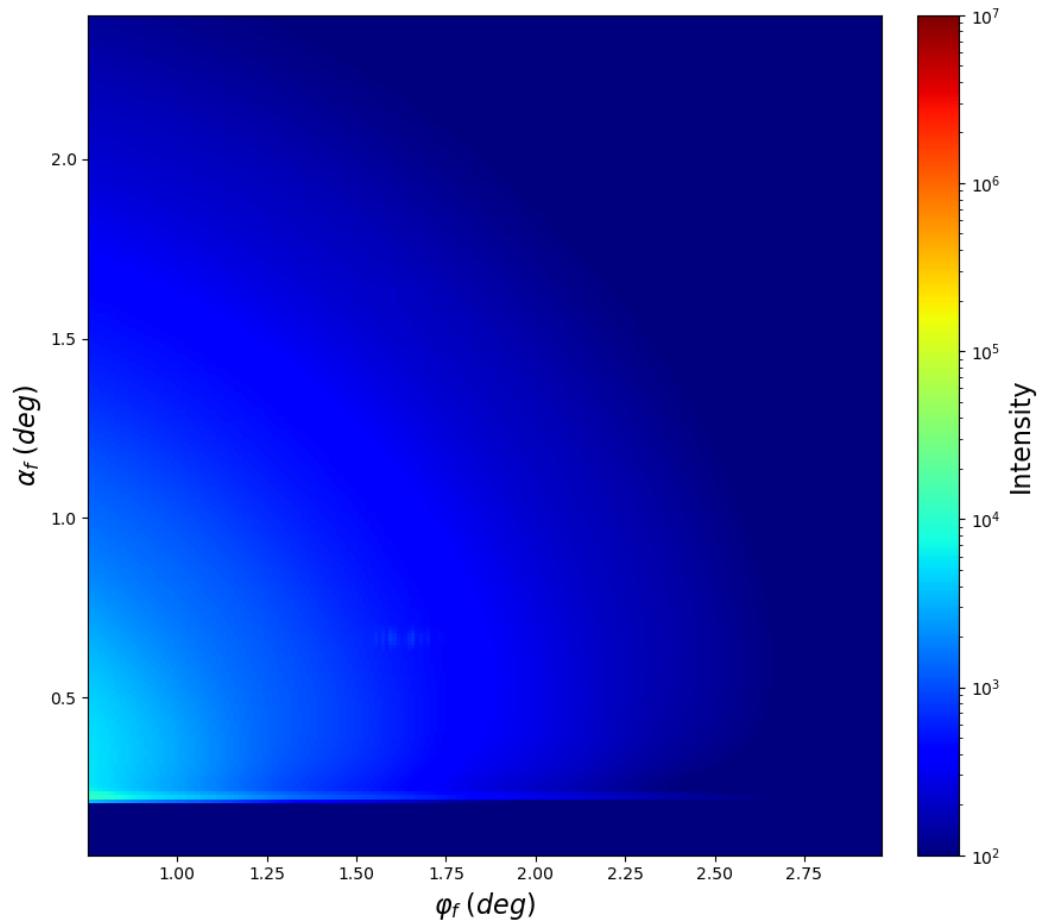
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 22.5  
}
```



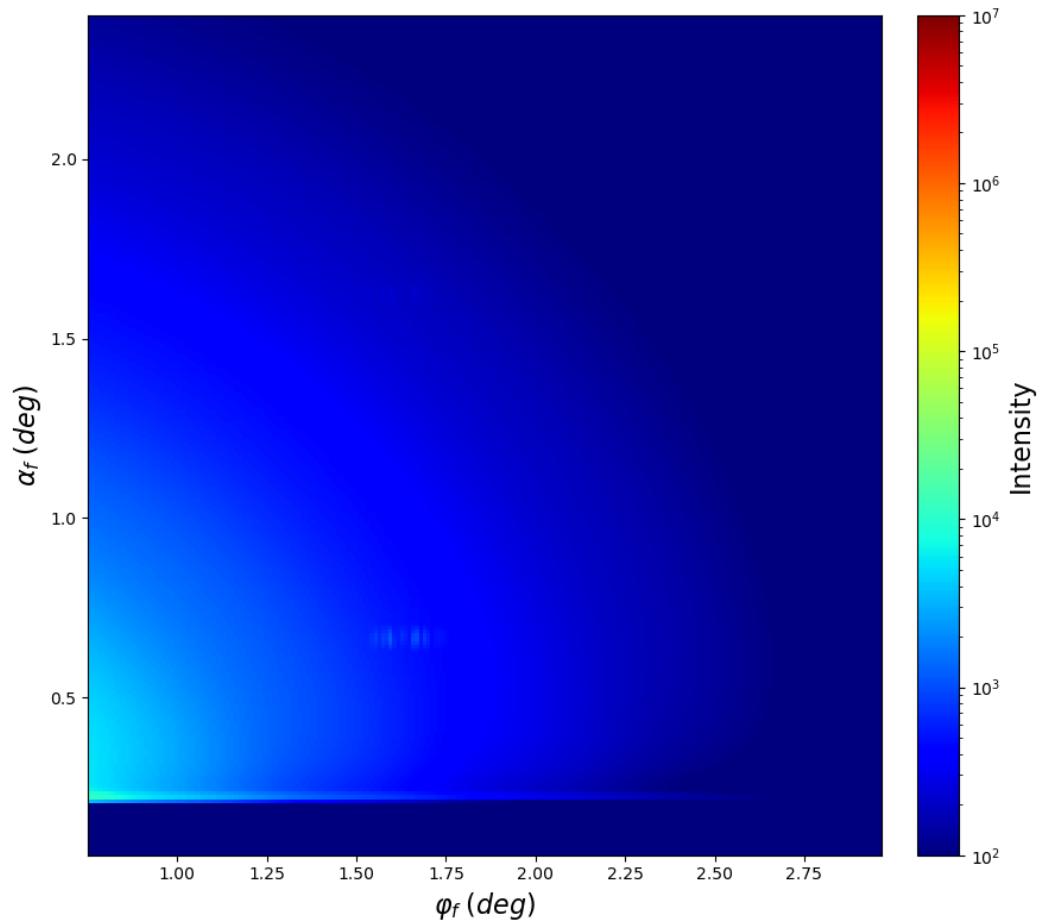
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 23.0  
}
```



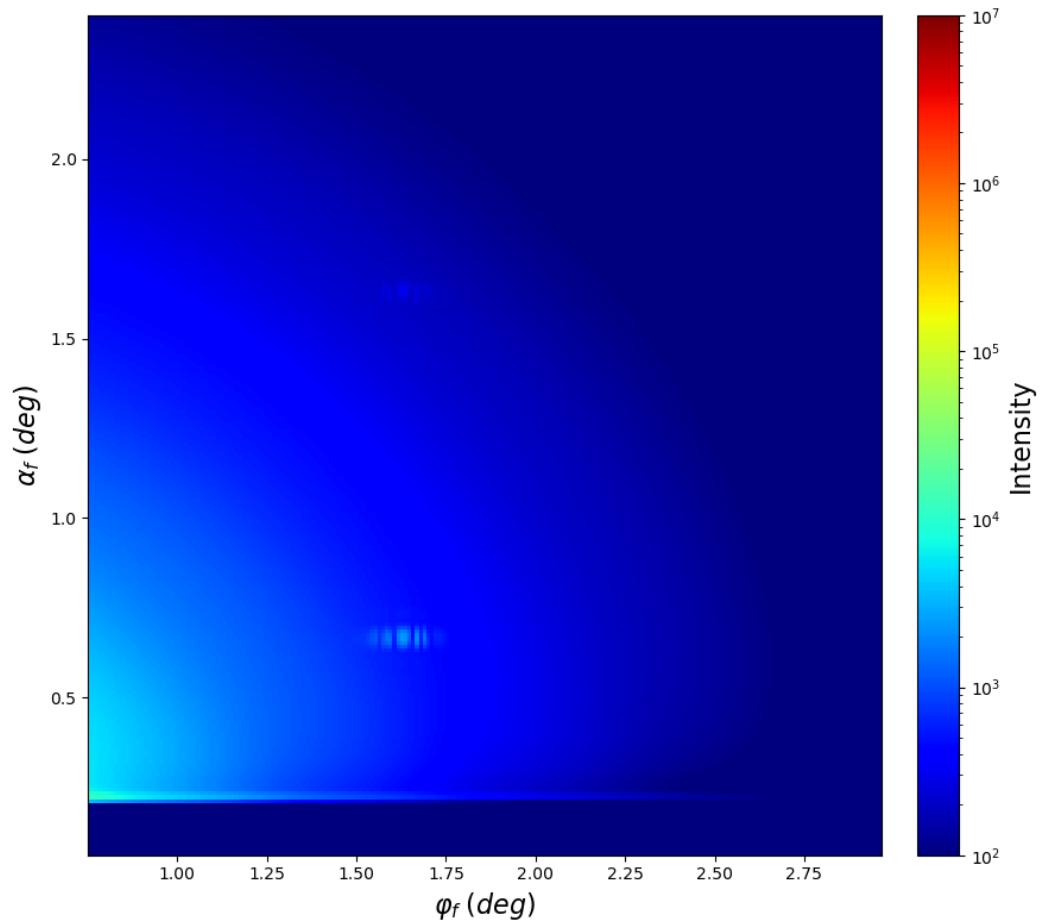
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 23.5  
}
```



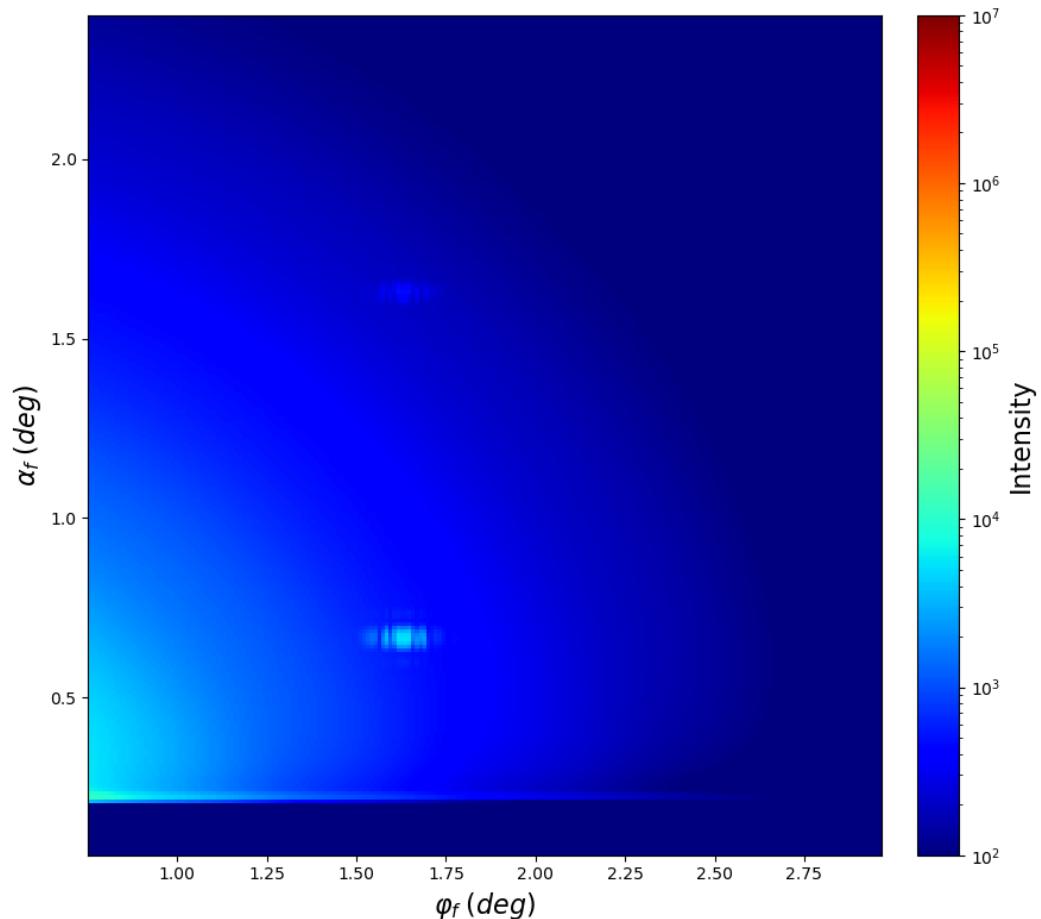
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 24.0  
}
```



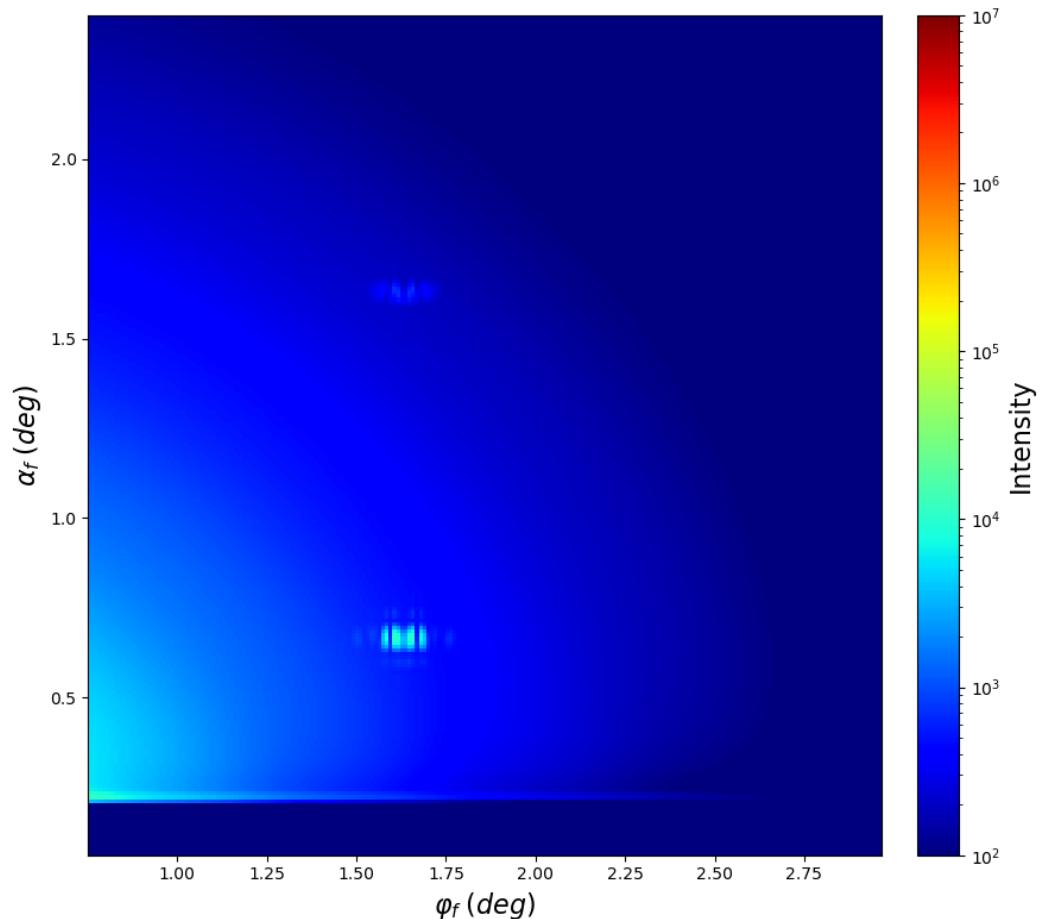
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 24.5  
}
```



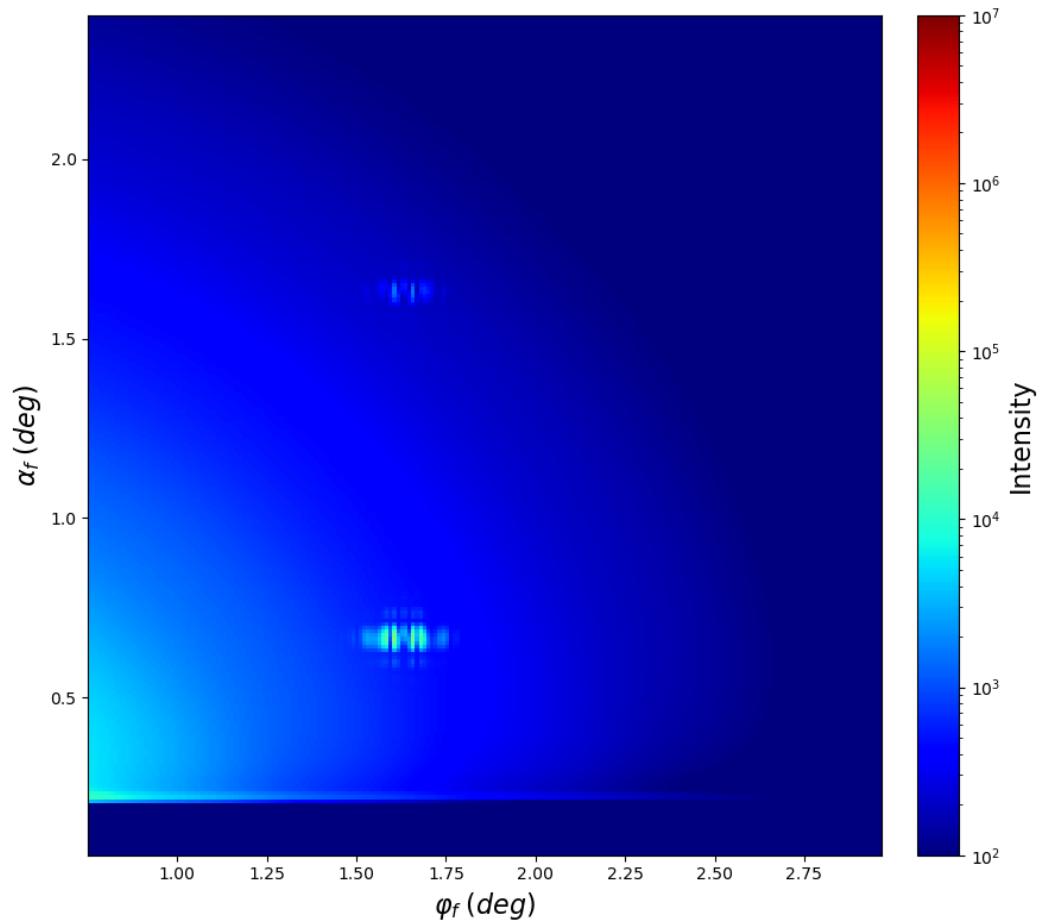
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 25.0  
}
```



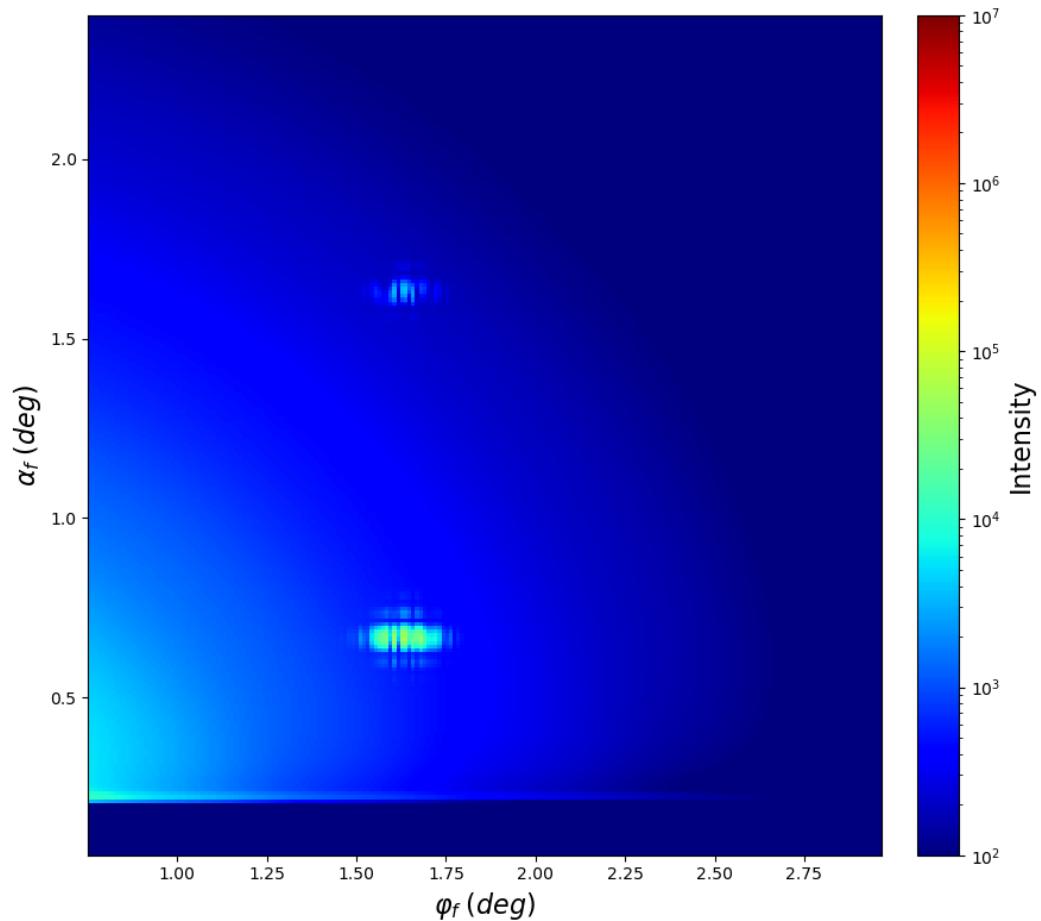
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 25.5  
}
```



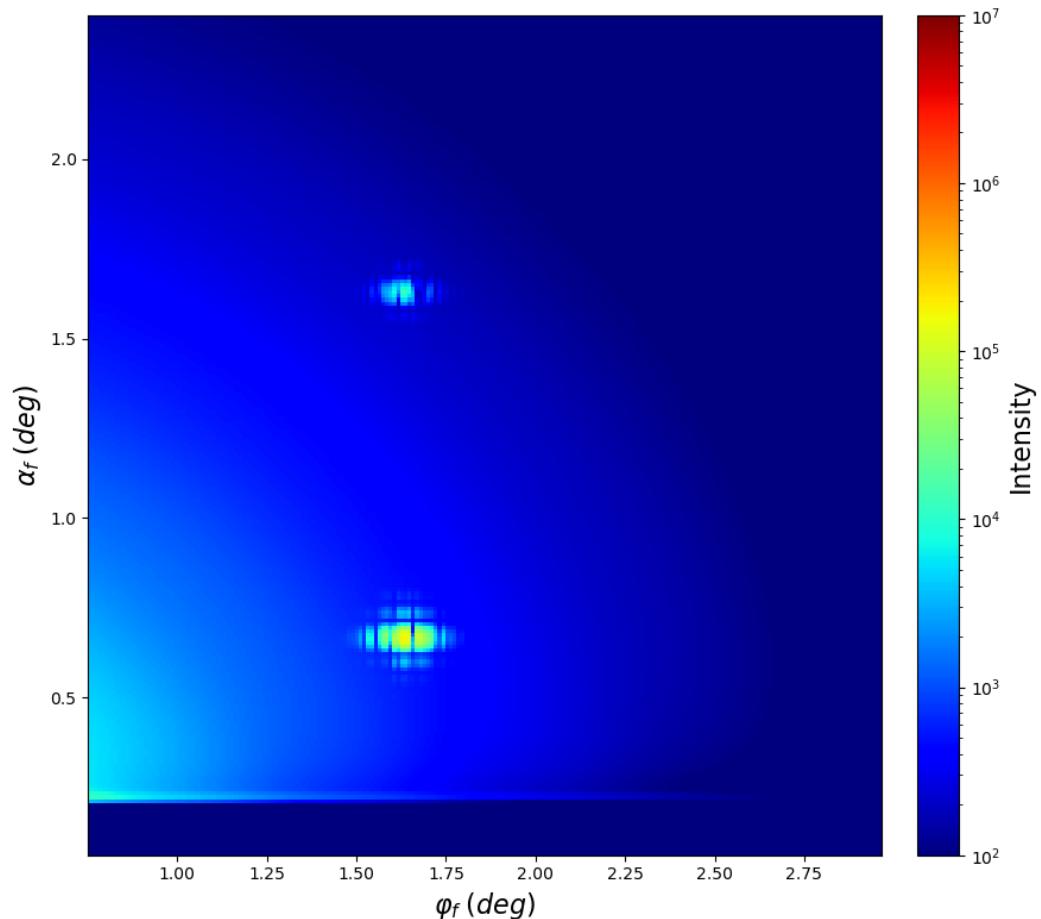
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 26.0  
}
```



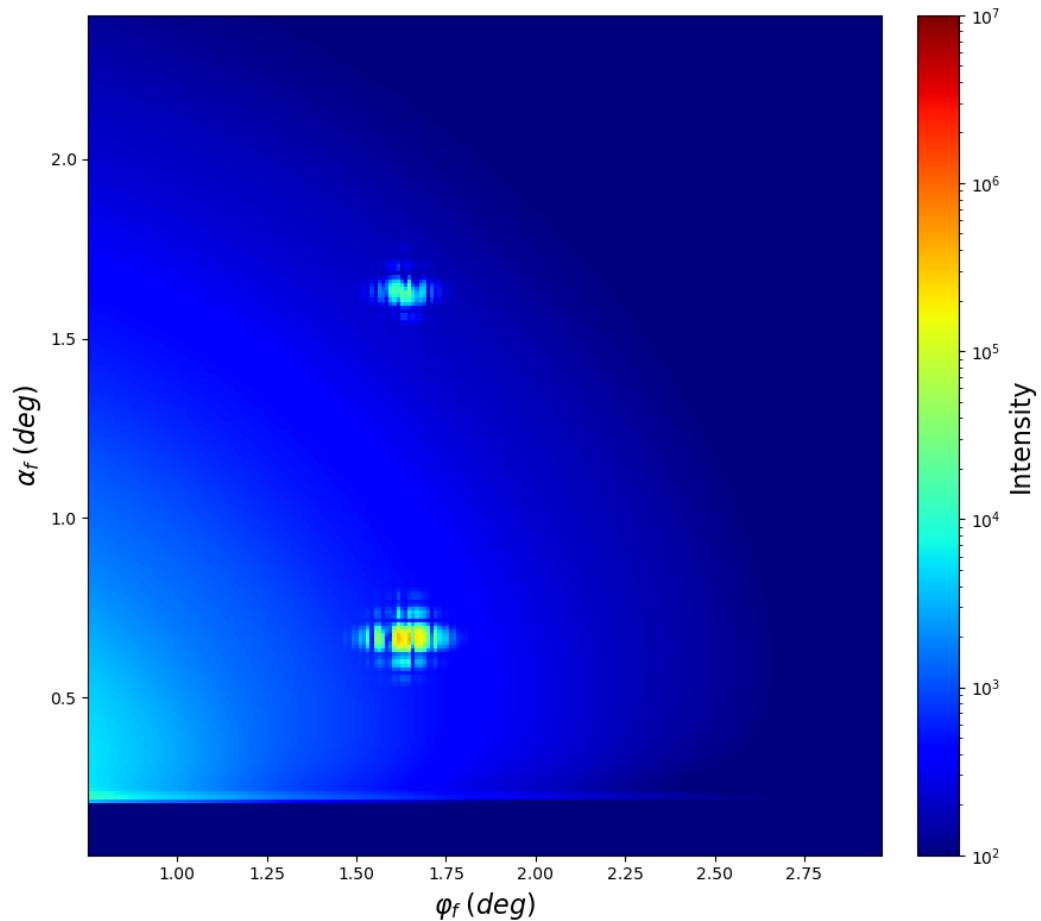
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 26.5  
}
```



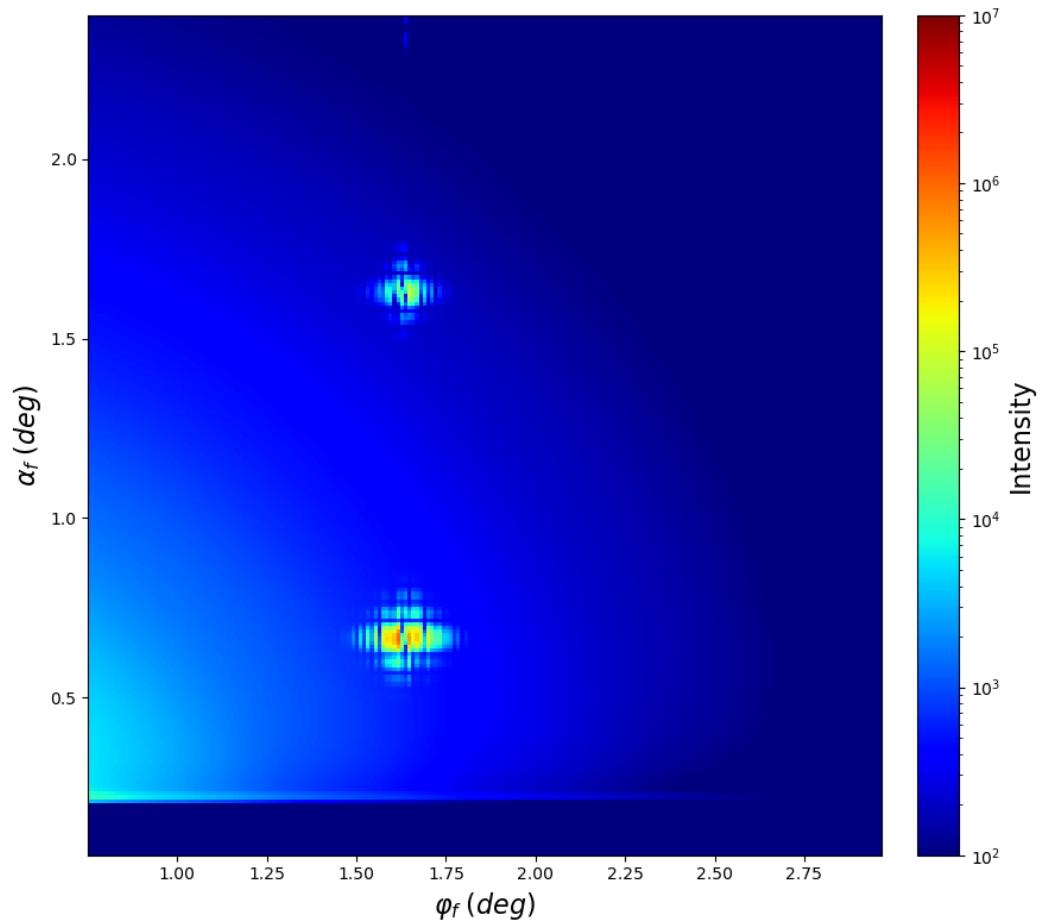
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 27.0  
}
```



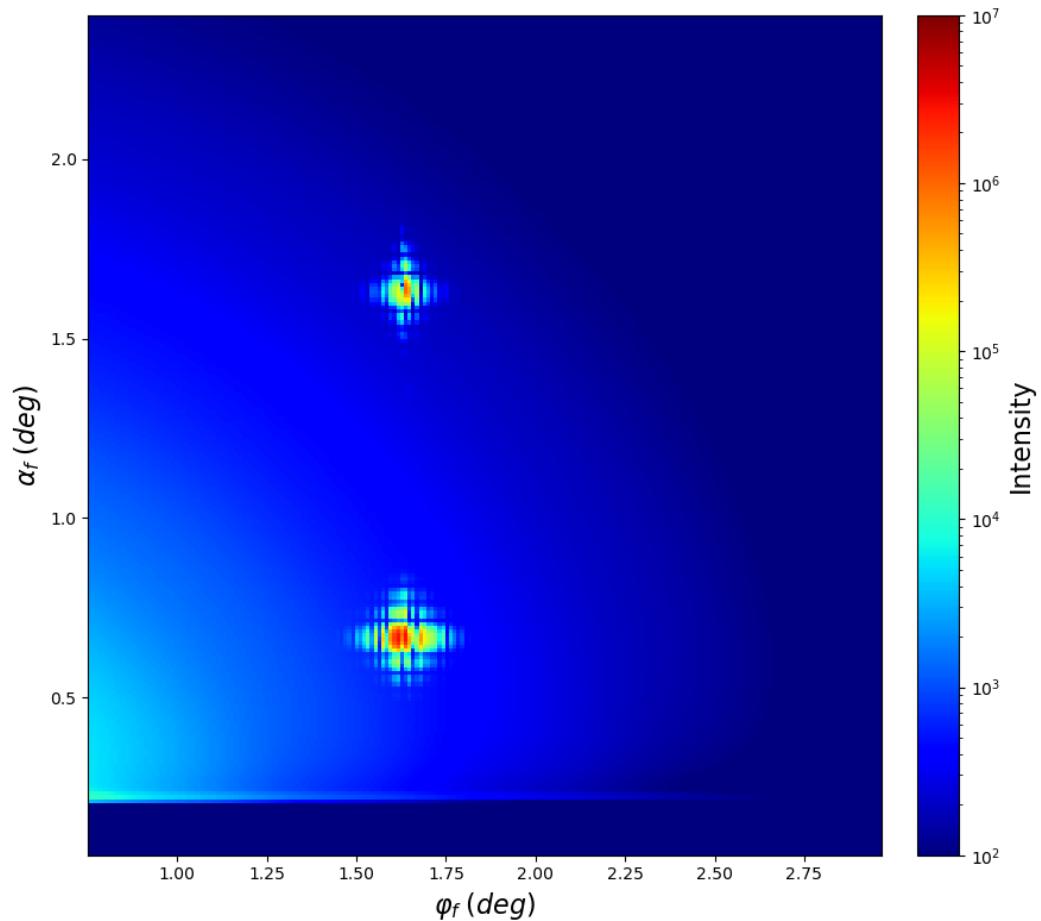
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 27.5  
}
```



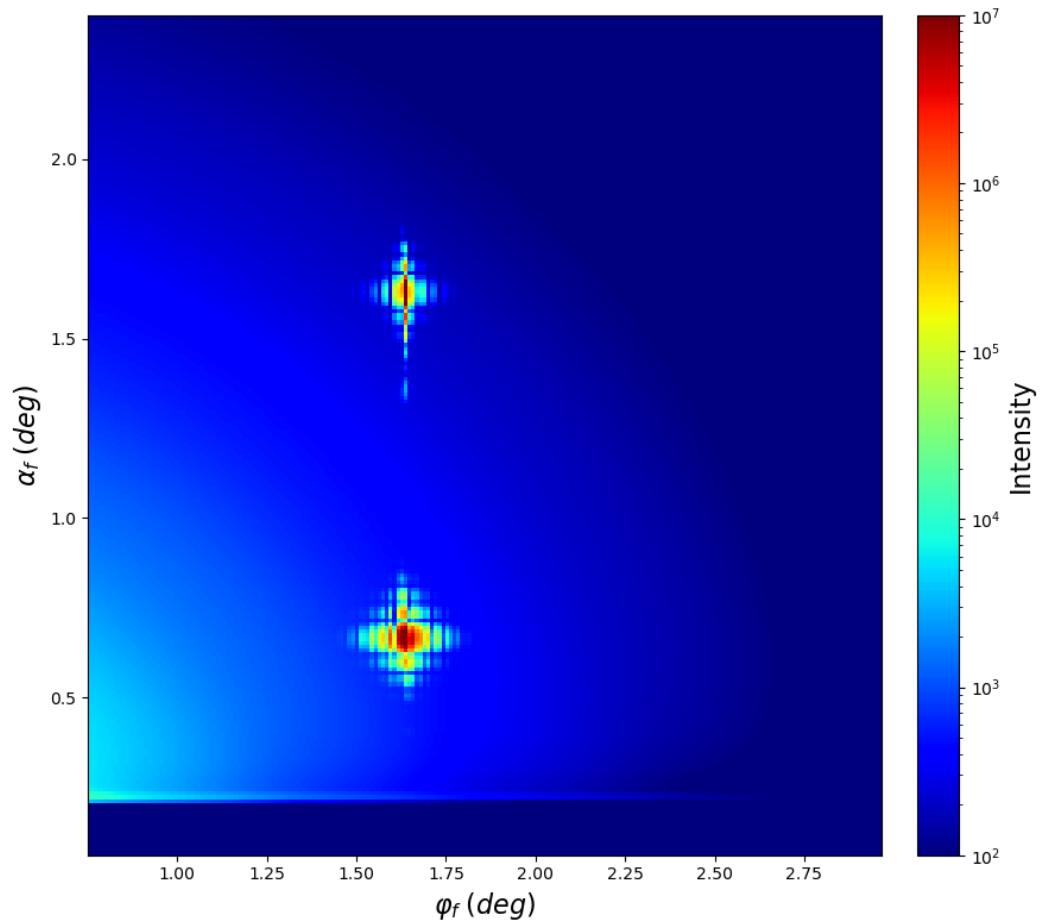
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 28.0  
}
```



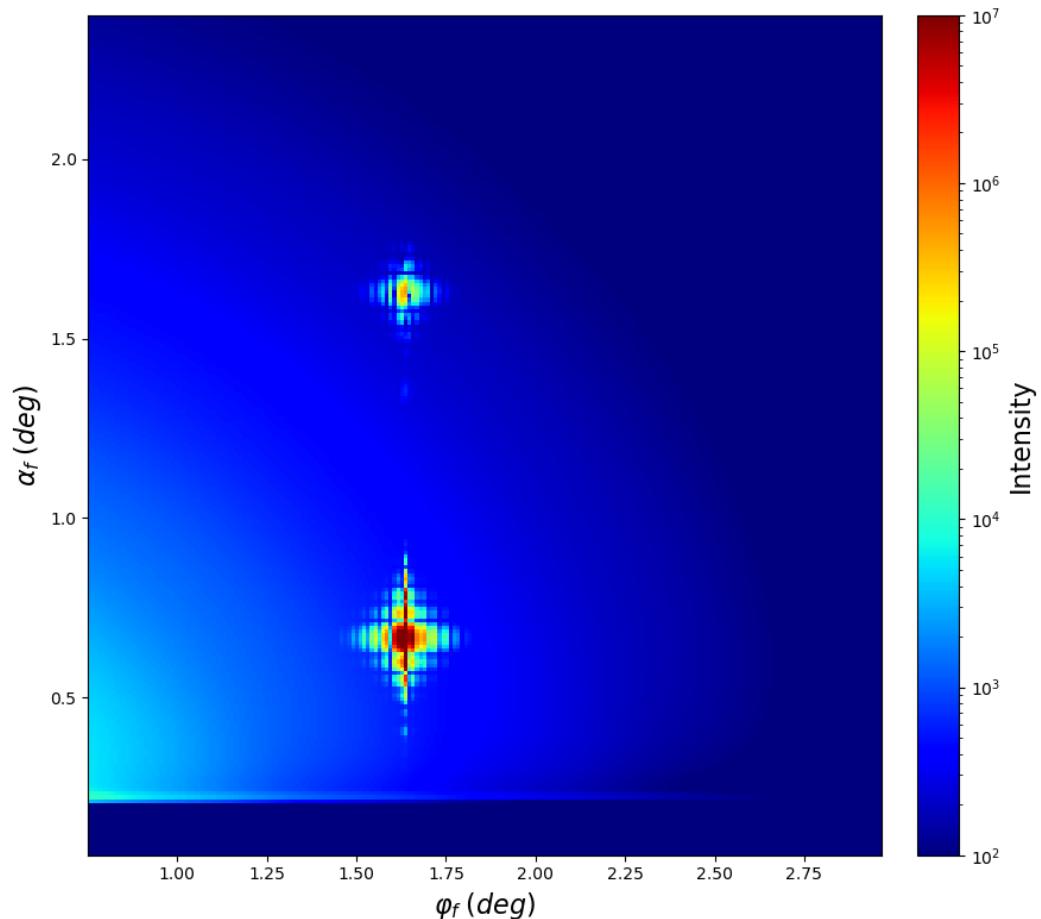
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 28.5  
}
```



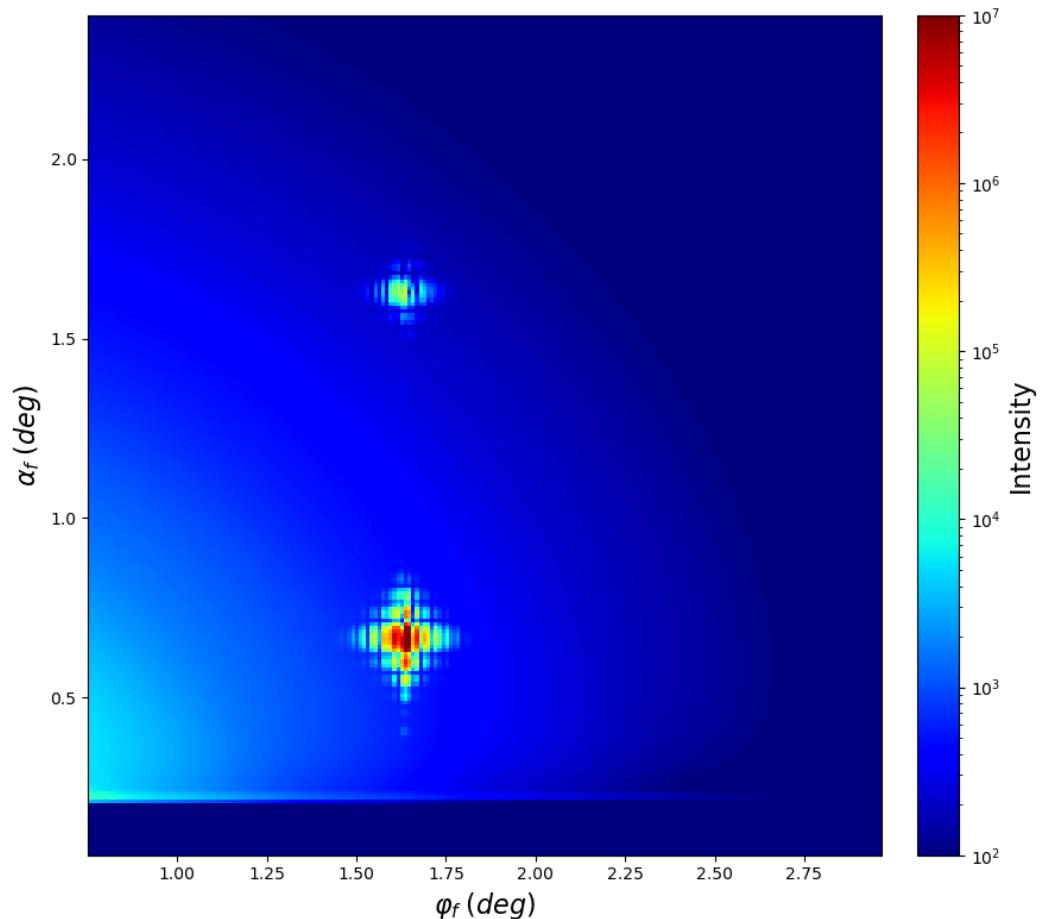
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 29.0  
}
```



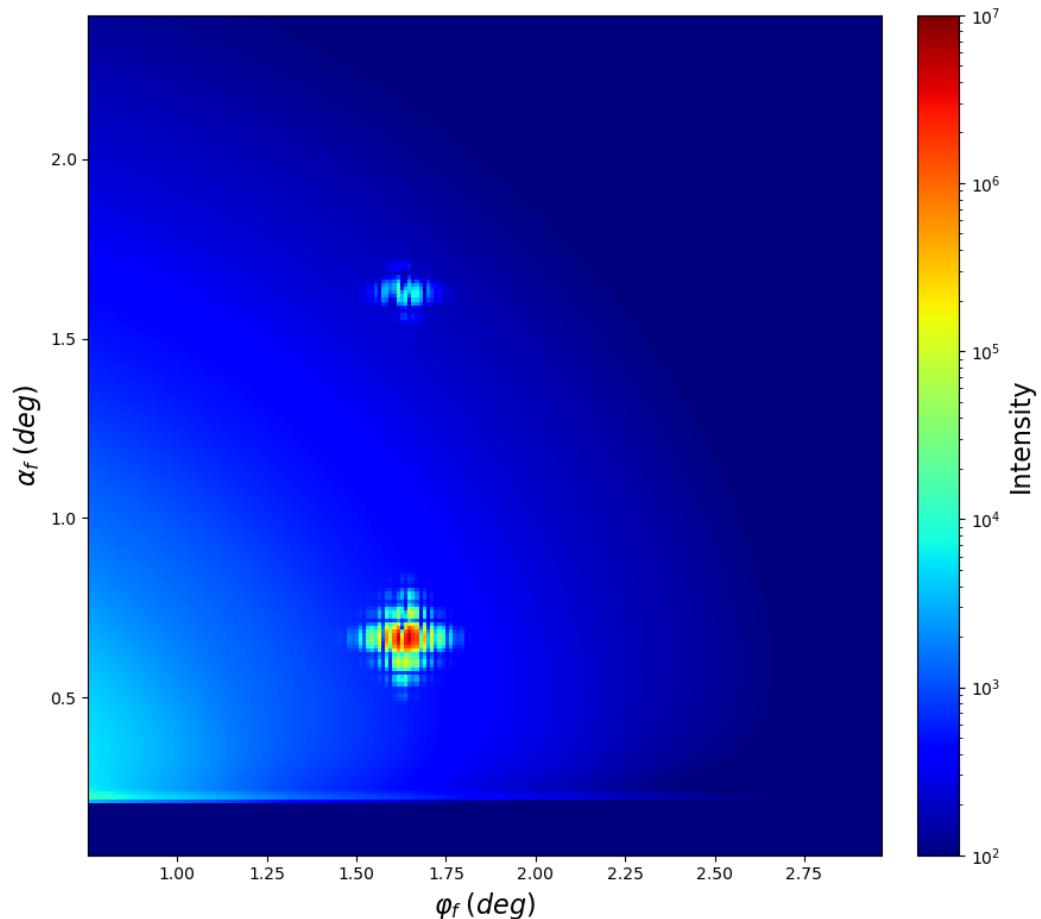
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 29.5  
}
```



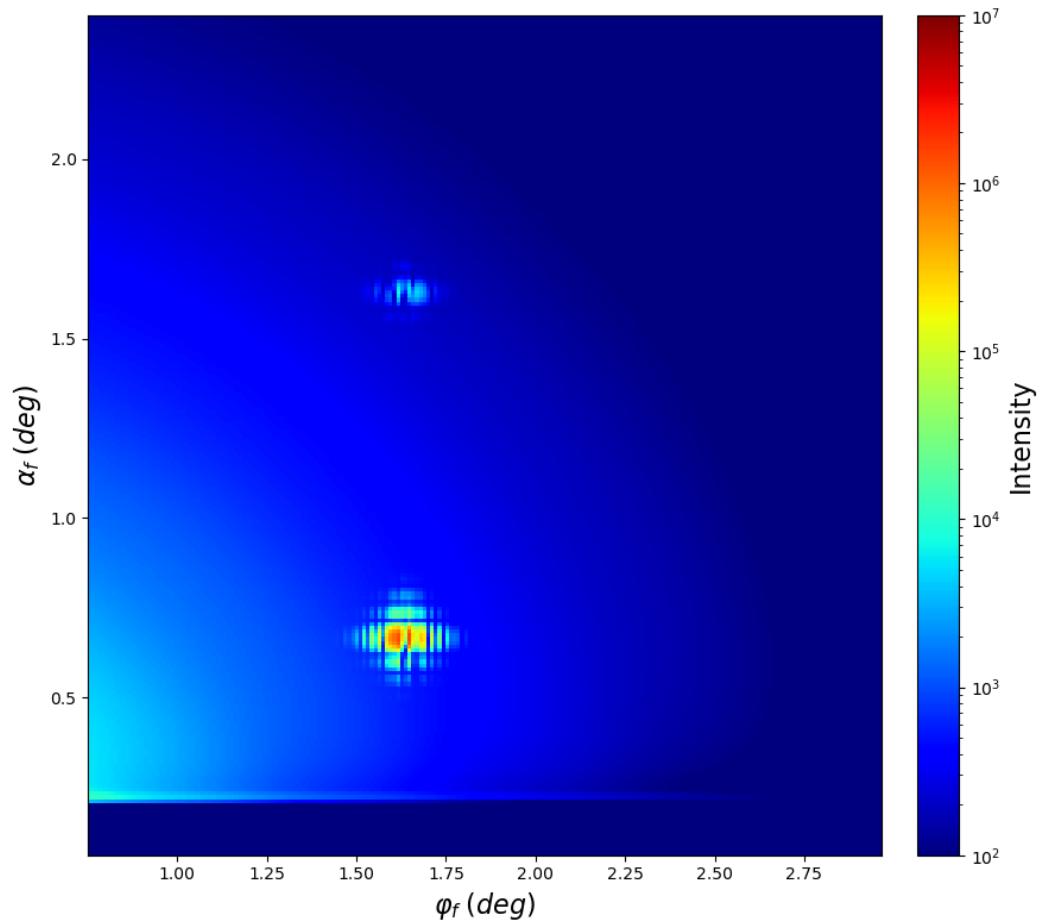
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 30.0  
}
```



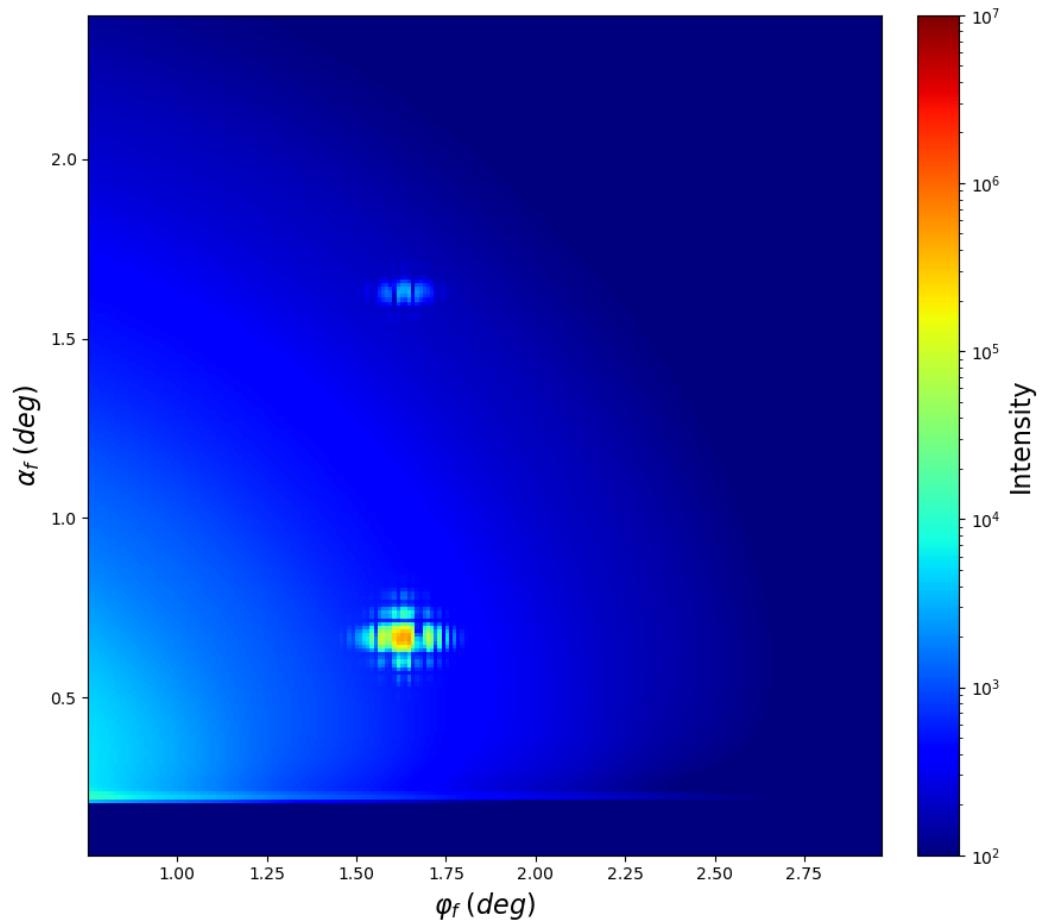
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 30.5  
}
```



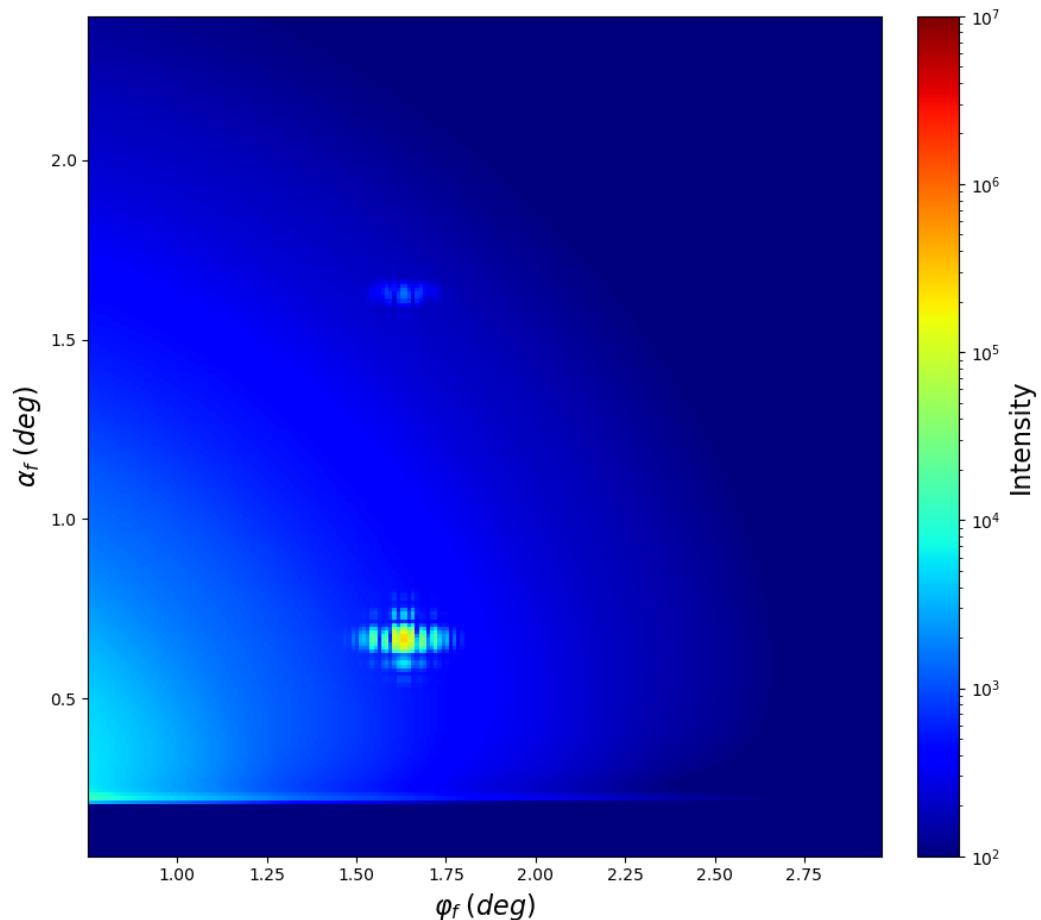
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 31.0  
}
```



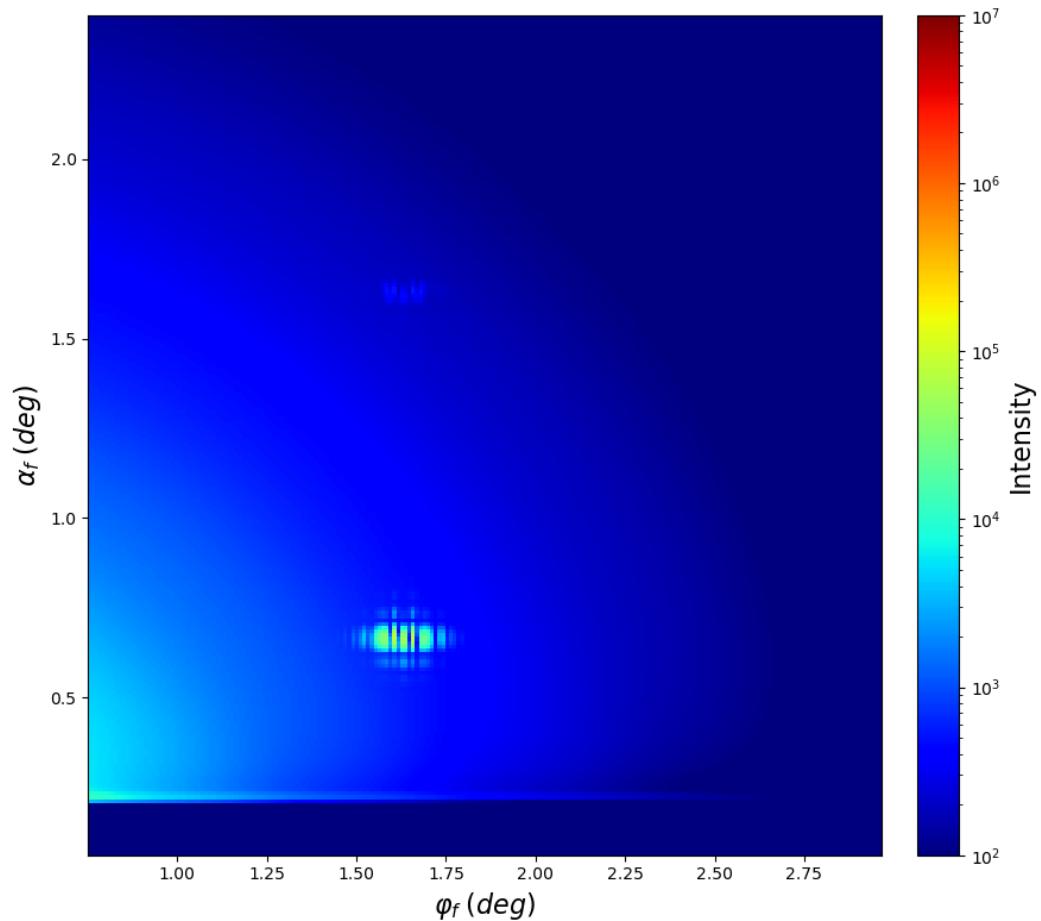
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 31.5  
}
```



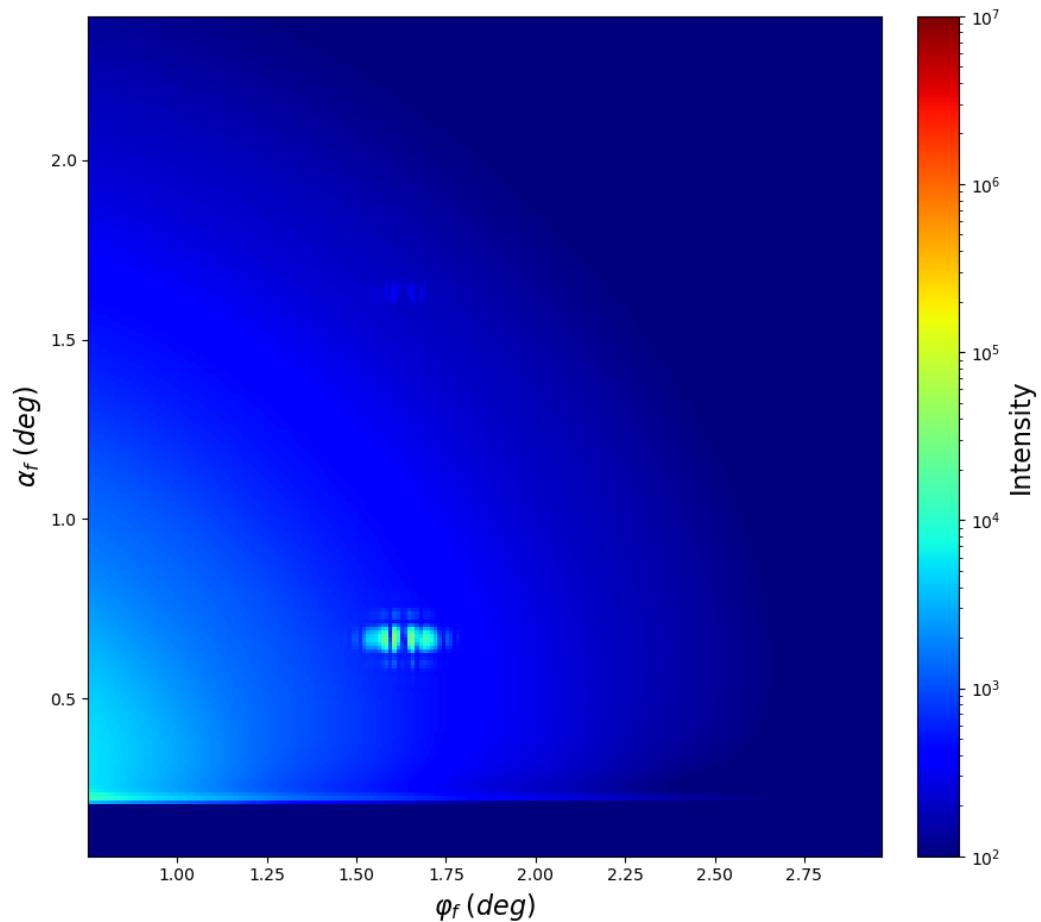
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 32.0  
}
```



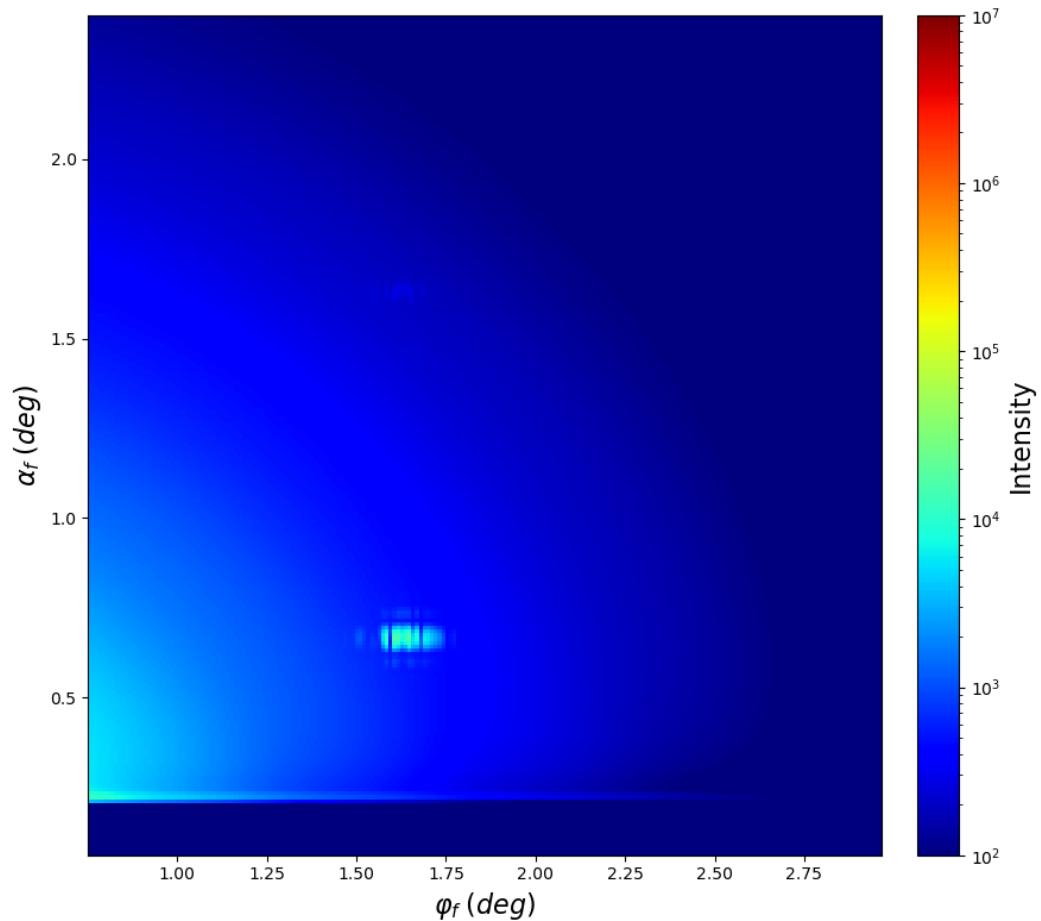
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 32.5  
}
```



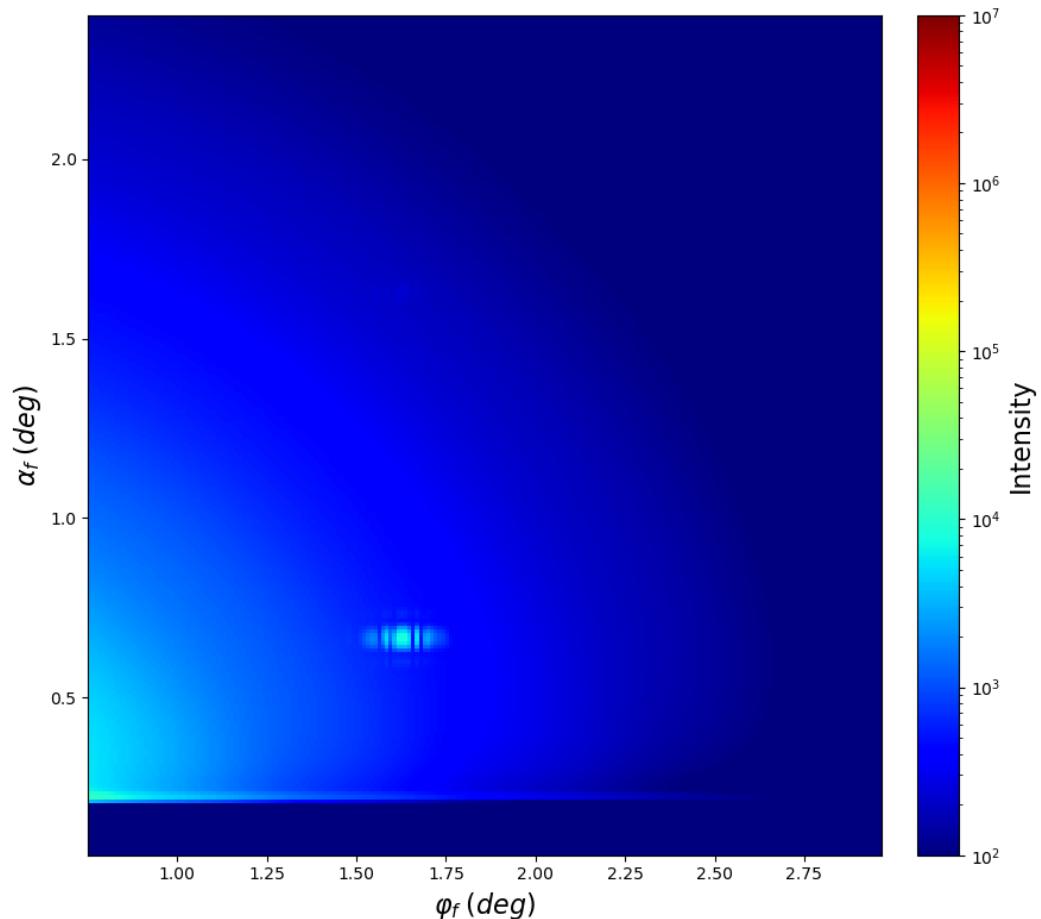
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 33.0  
}
```



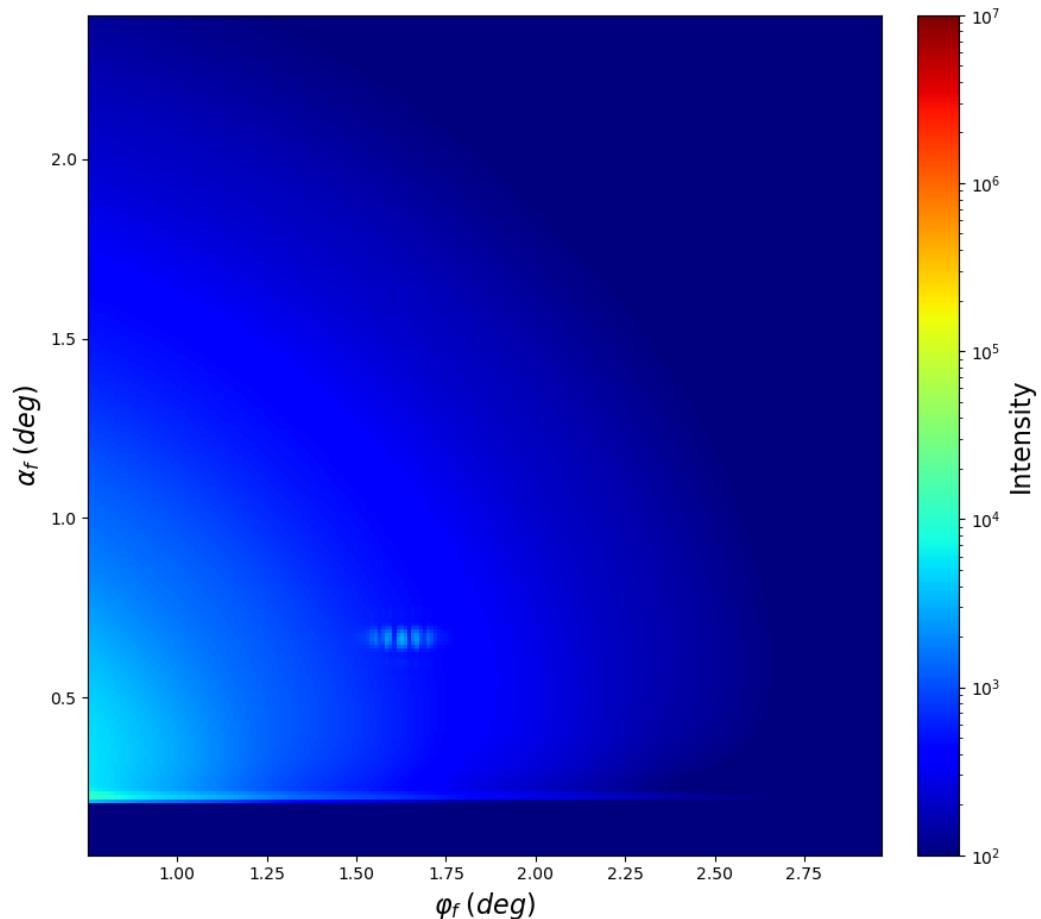
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 33.5  
}
```



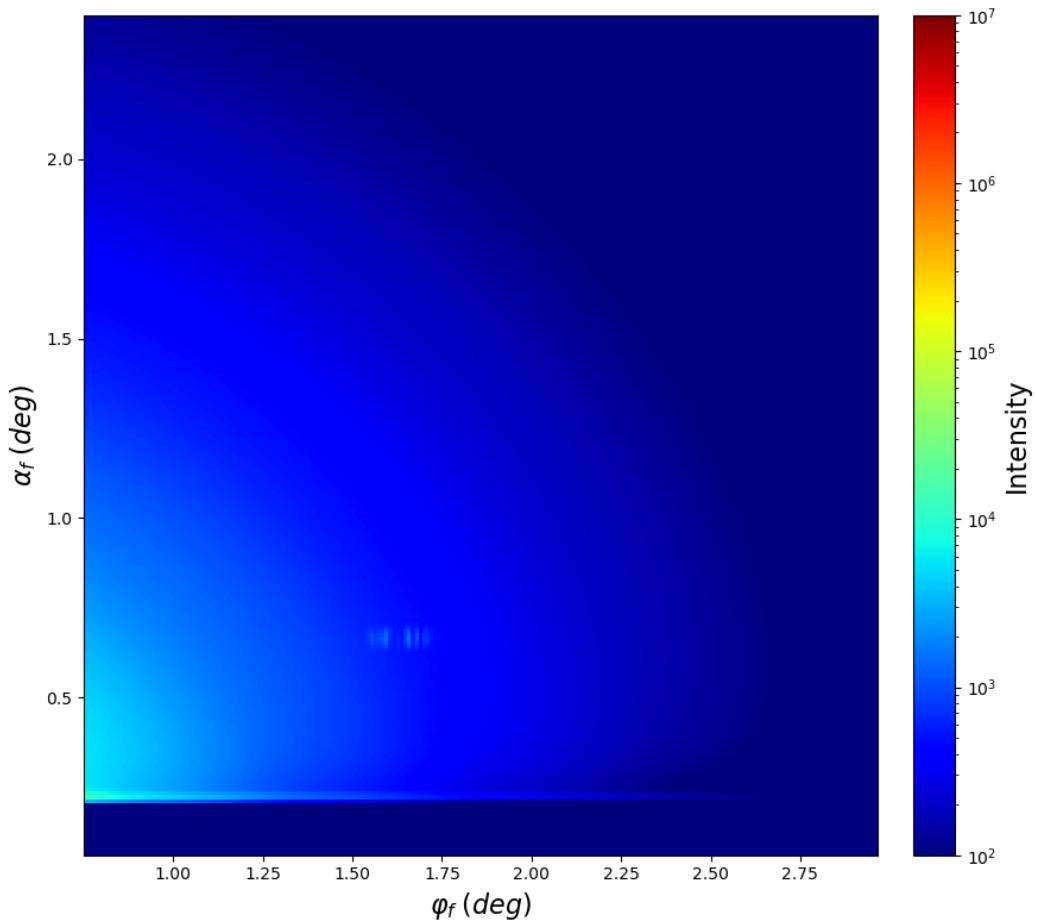
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 34.0  
}
```



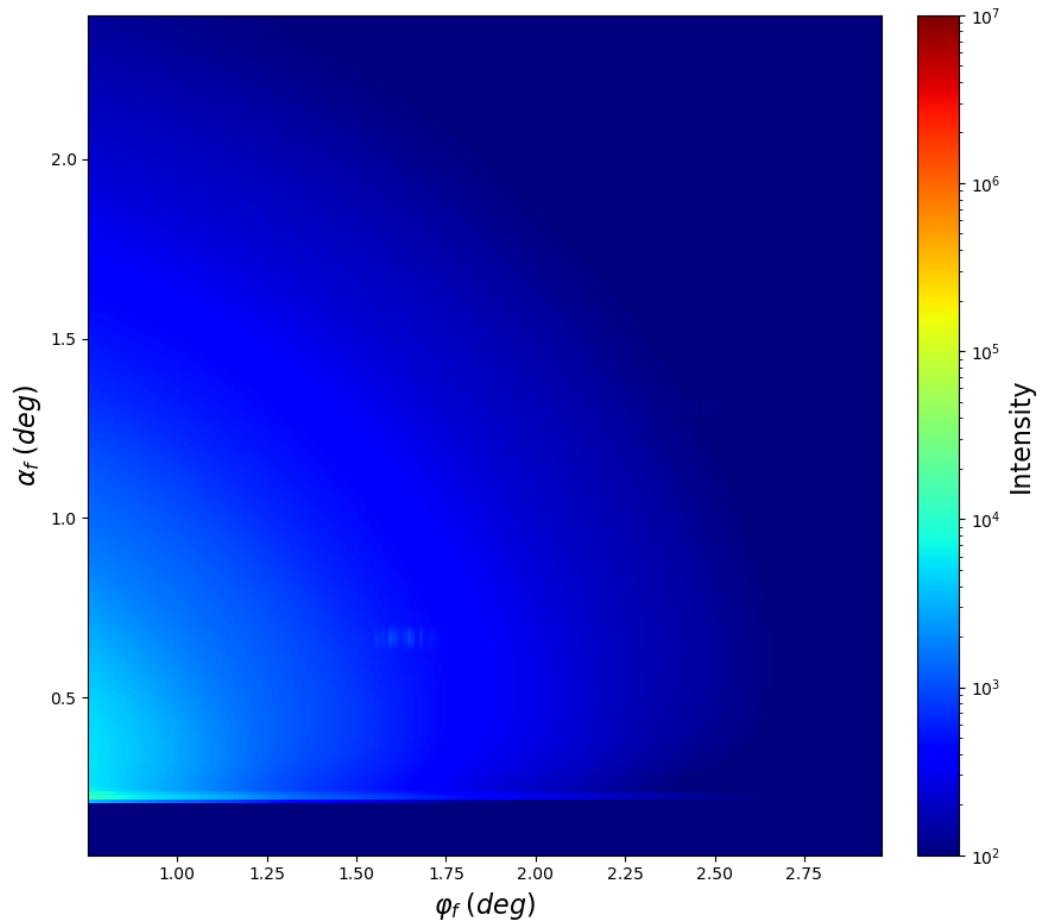
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 34.5  
}
```



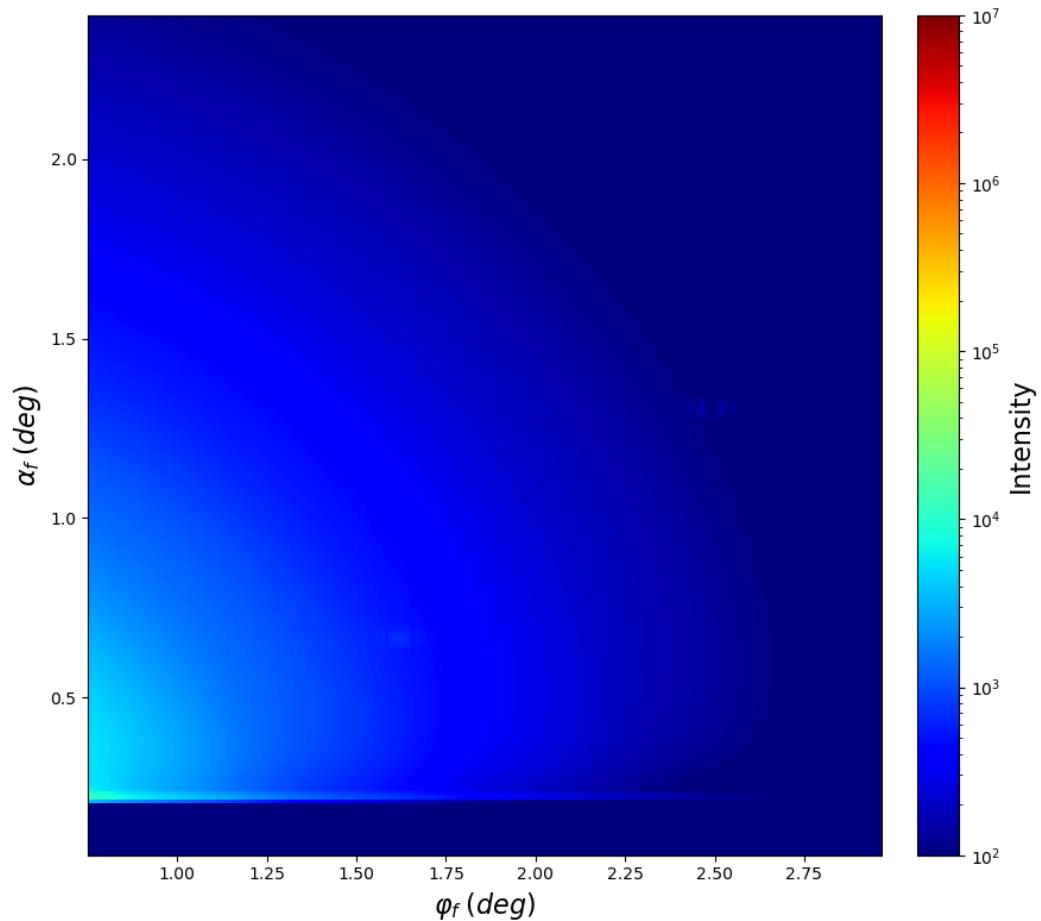
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 35.0  
}
```



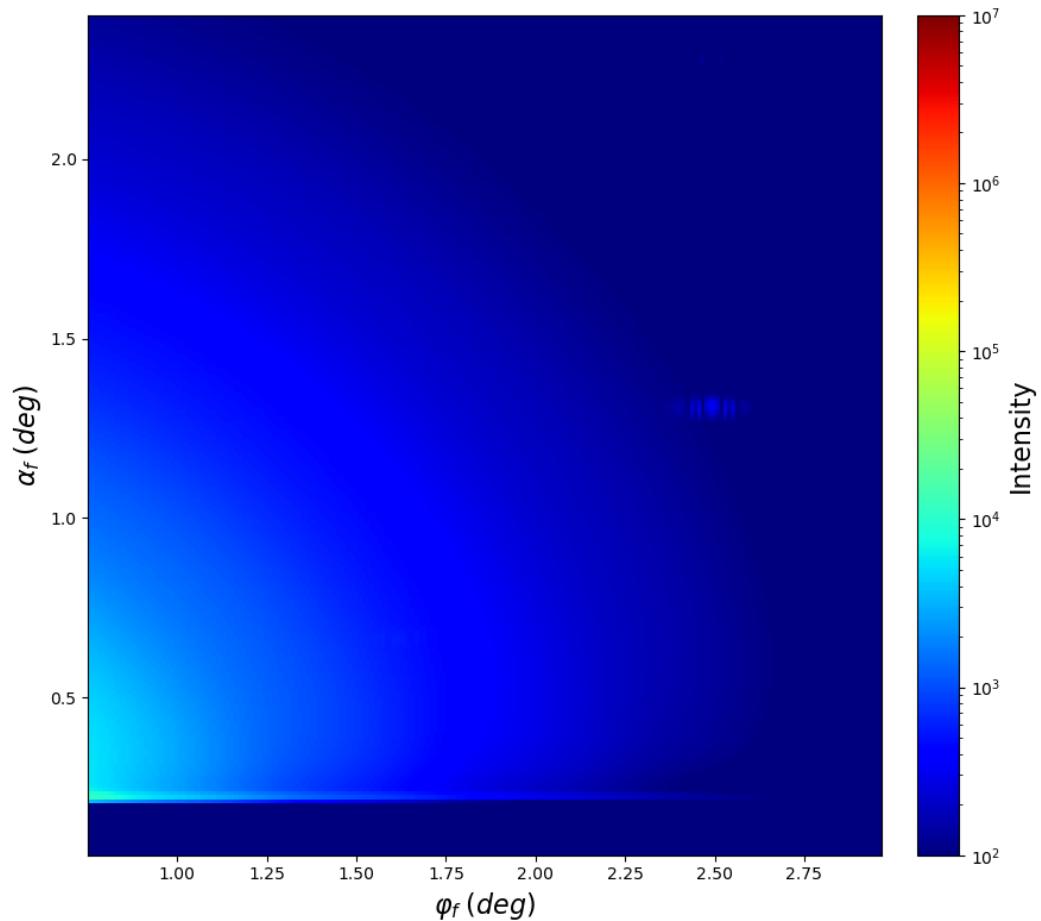
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 35.5  
}
```



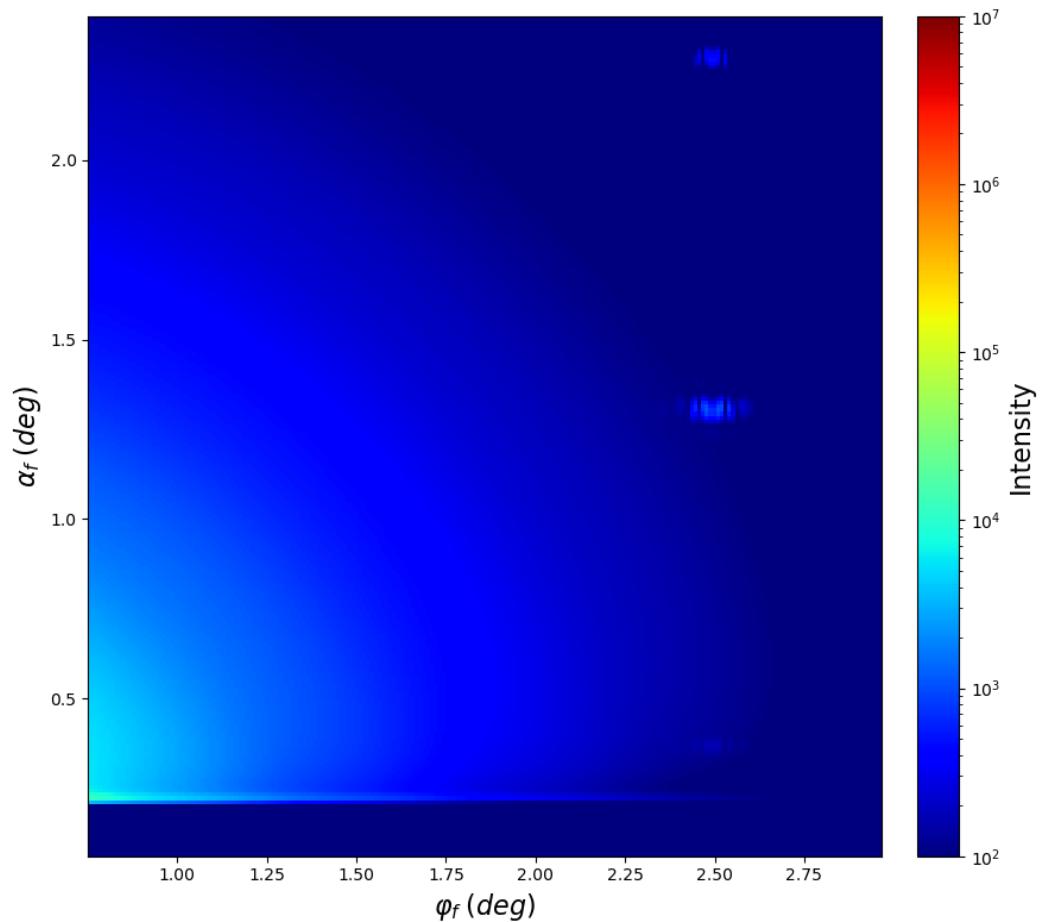
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 36.0  
}
```



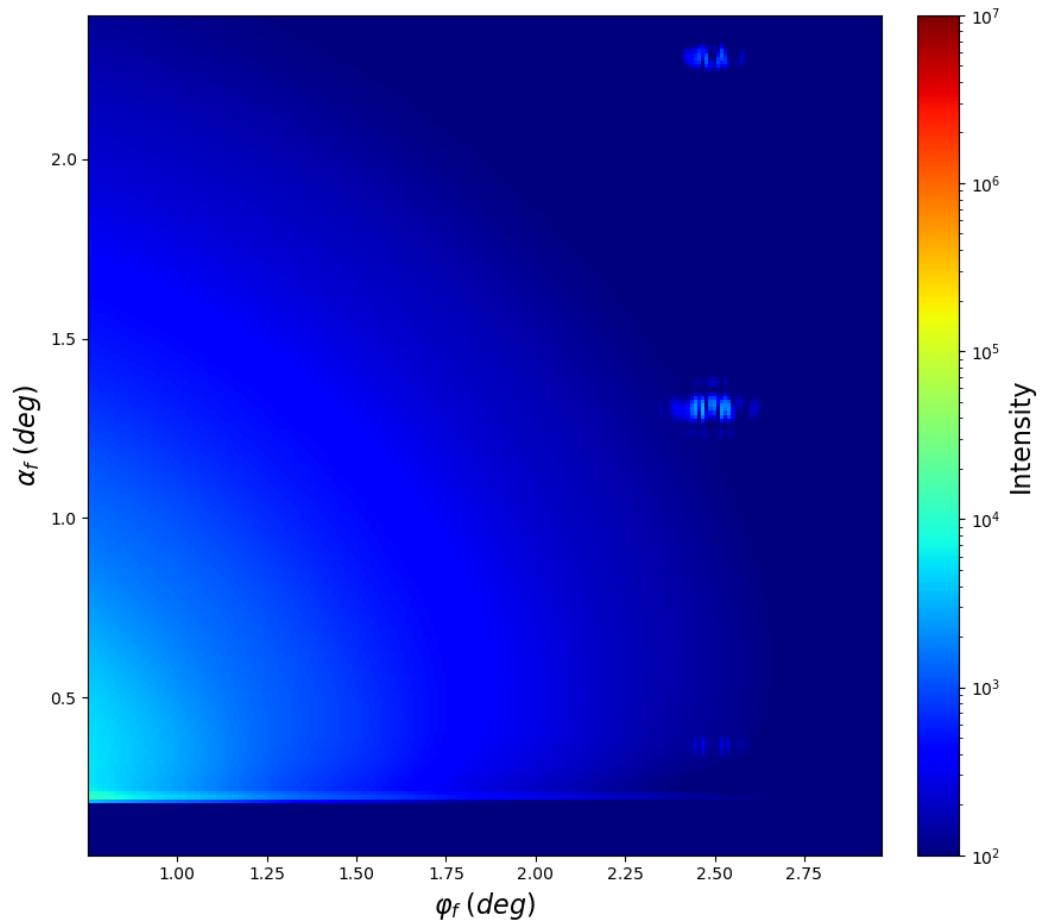
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 36.5  
}
```



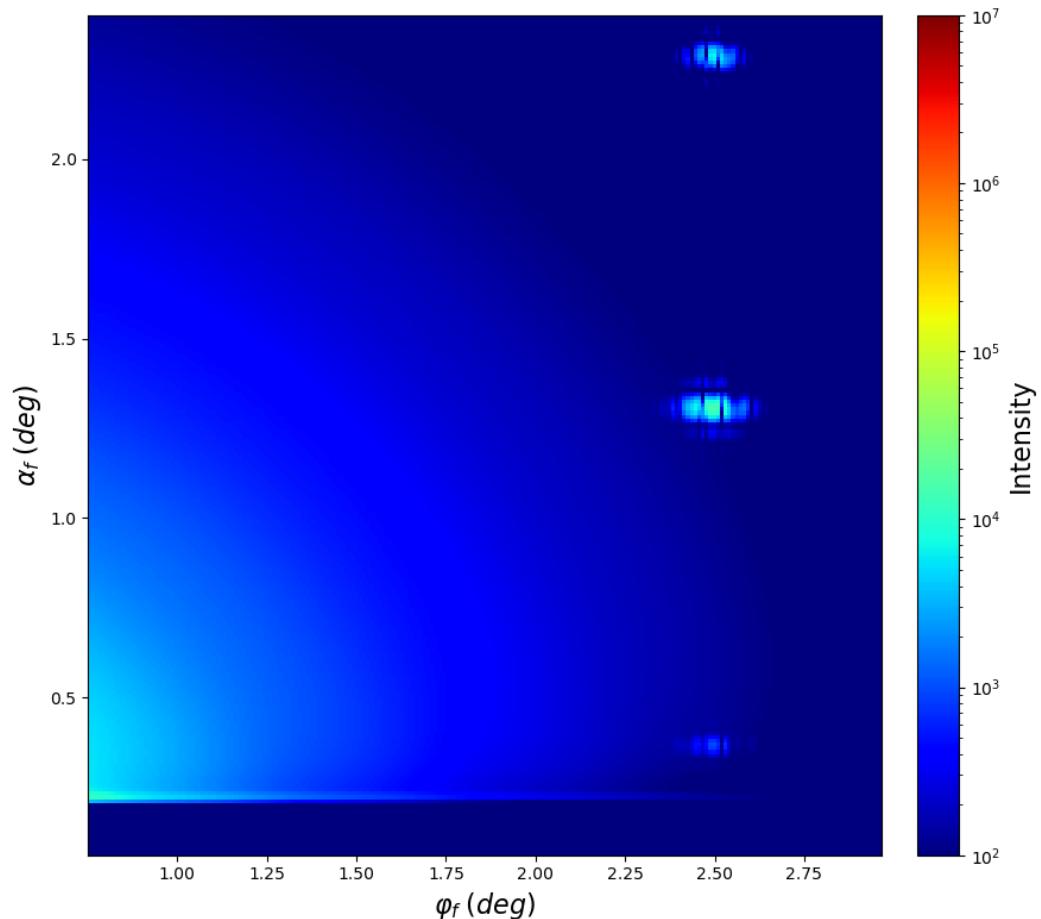
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 37.0  
}
```



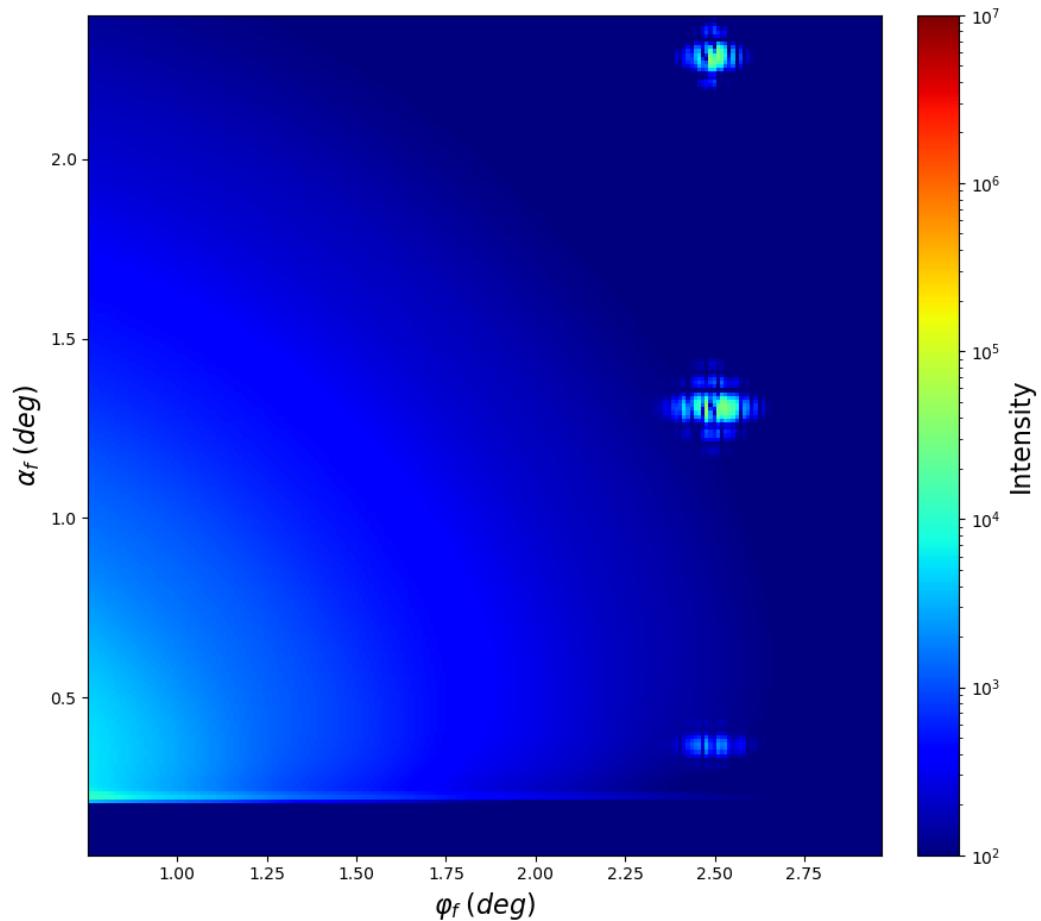
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 37.5  
}
```



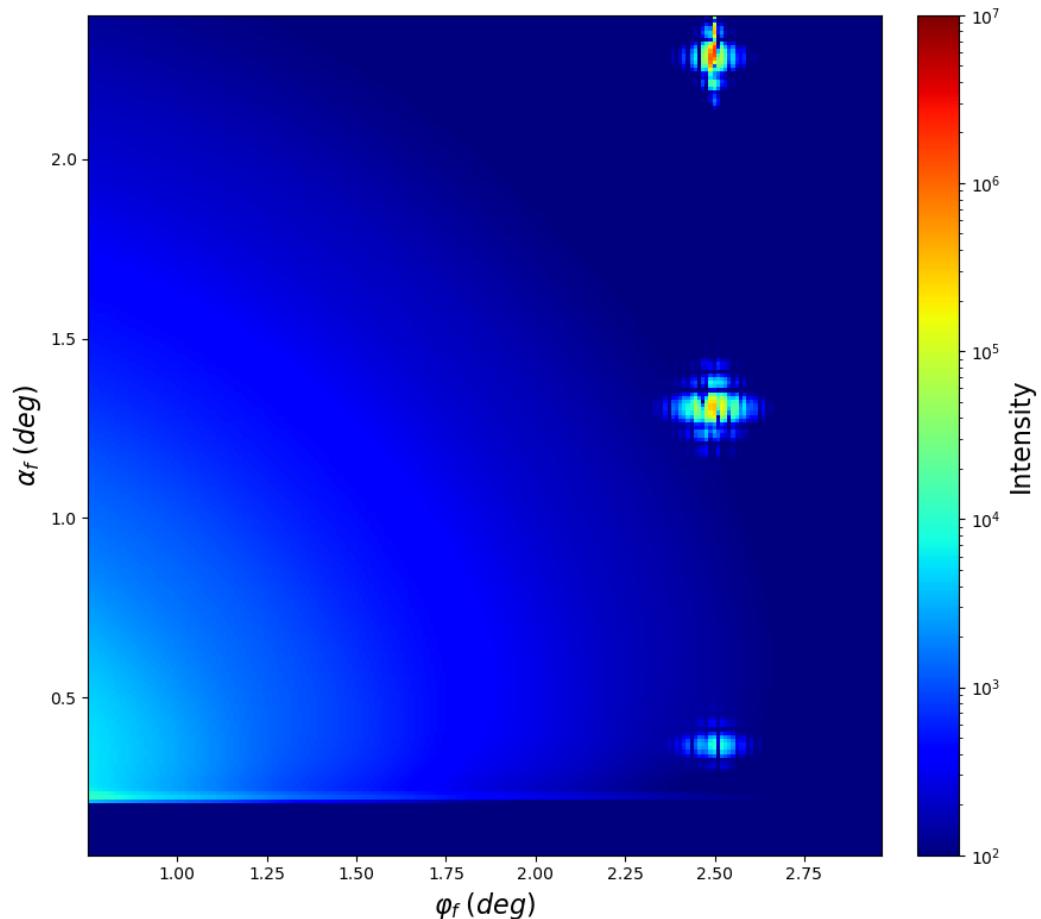
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 38.0  
}
```



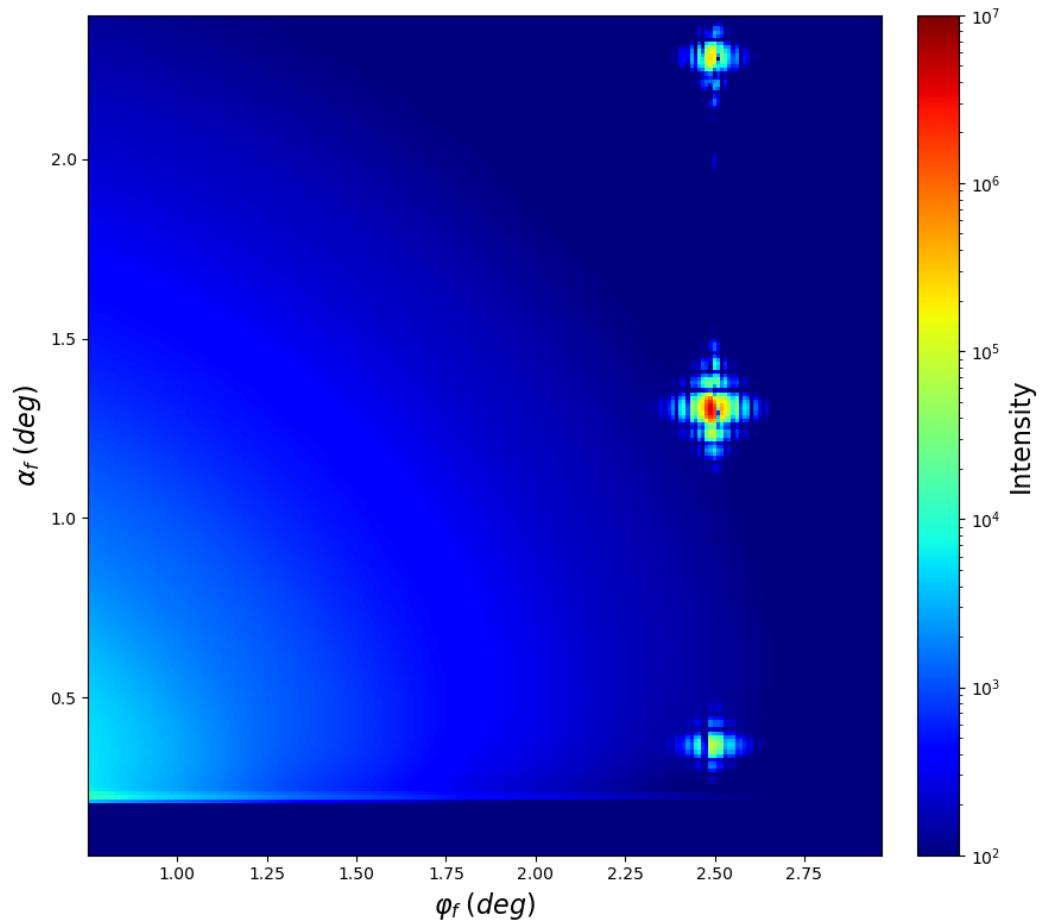
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 38.5  
}
```



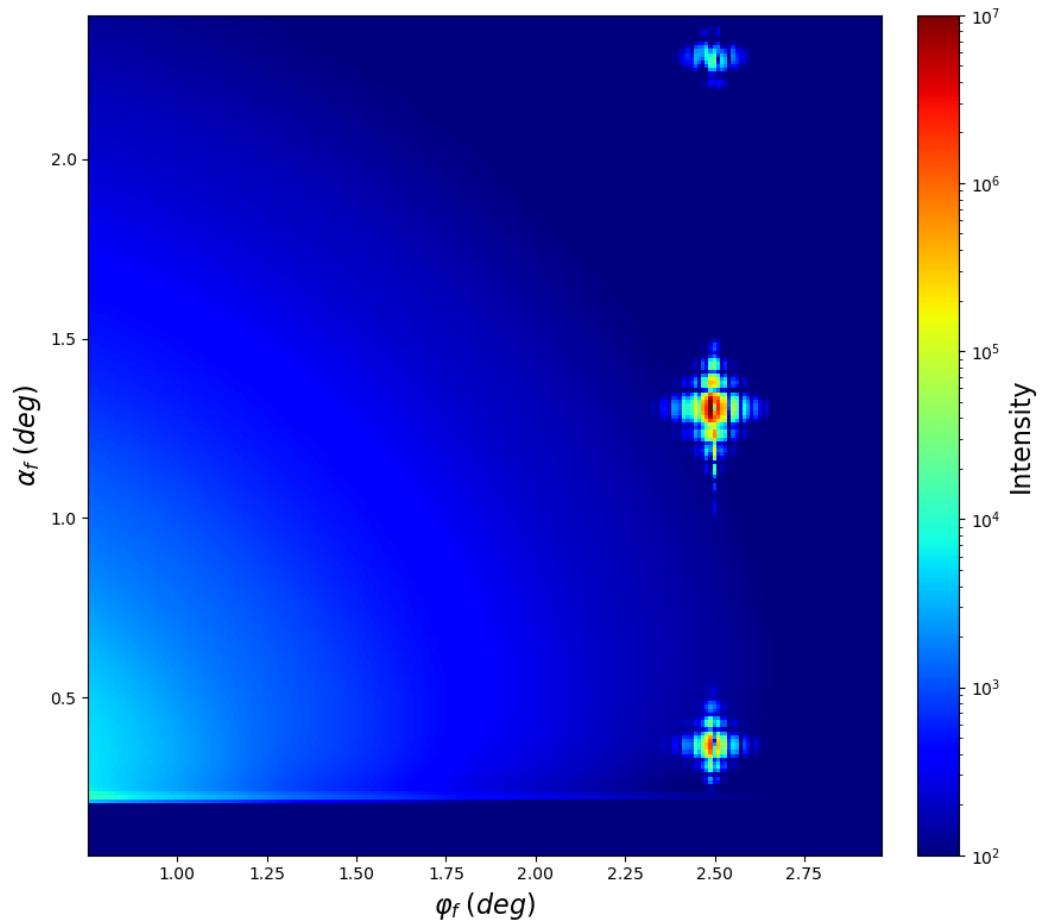
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 39.0  
}
```



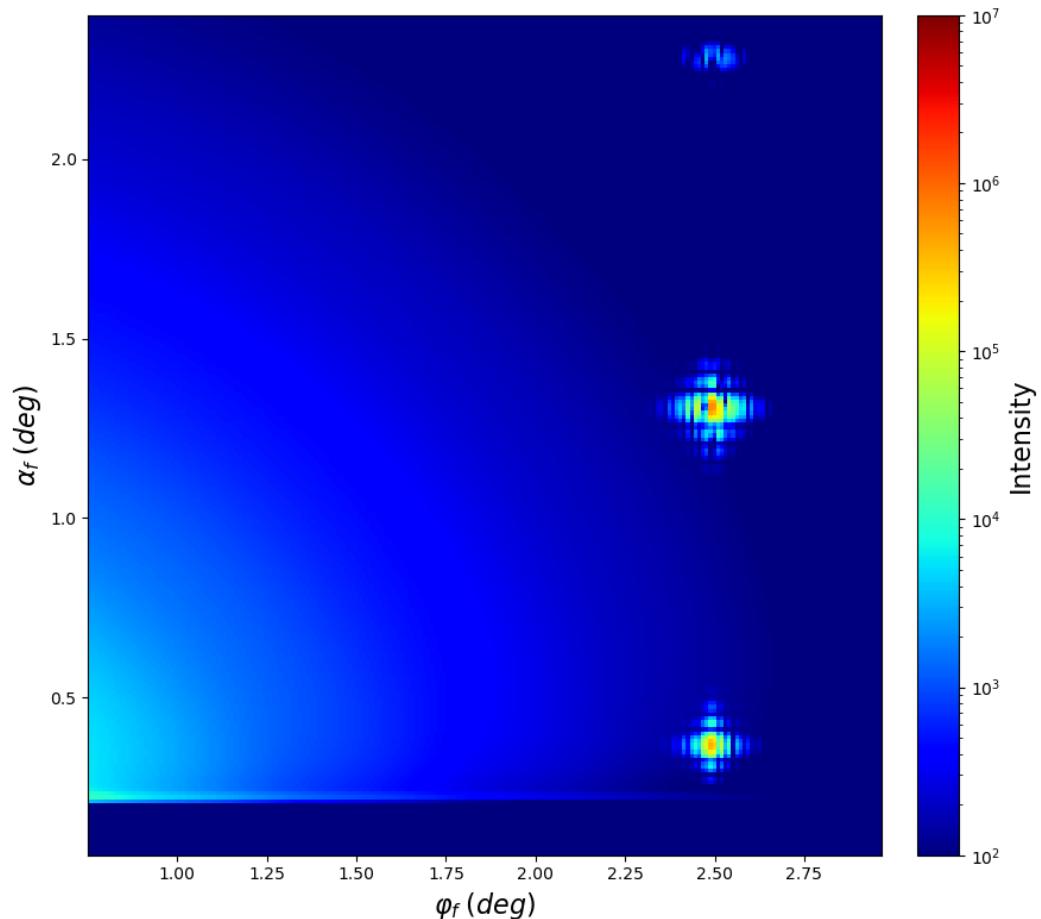
Single meso, phi-scan

```
{  
  "sample_builder_type": "SampleBuilderVer1",  
  "roughness": 6.0,  
  "surface_filling_ratio": 0.25,  
  "average_layer_thickness": 600,  
  "meso_elevation": 0,  
  "meso_factory_type": "SingleMesoFactory",  
  "meso_builder_type": "MesoCrystalBuilder",  
  "lattice_length_a": 12.45,  
  "lattice_length_c": 31.0,  
  "nparticles": 10,  
  "nanoparticle_radius": 5.0,  
  "sigma_nanoparticle_radius": 0.3,  
  "meso_height": 200,  
  "meso_radius": 800,  
  "sigma_meso_height": 20.0,  
  "sigma_meso_radius": 20.0,  
  "sigma_lattice_length_a": 0.5,  
  "rotation_x": 0.0,  
  "rotation_z": 39.5  
}
```



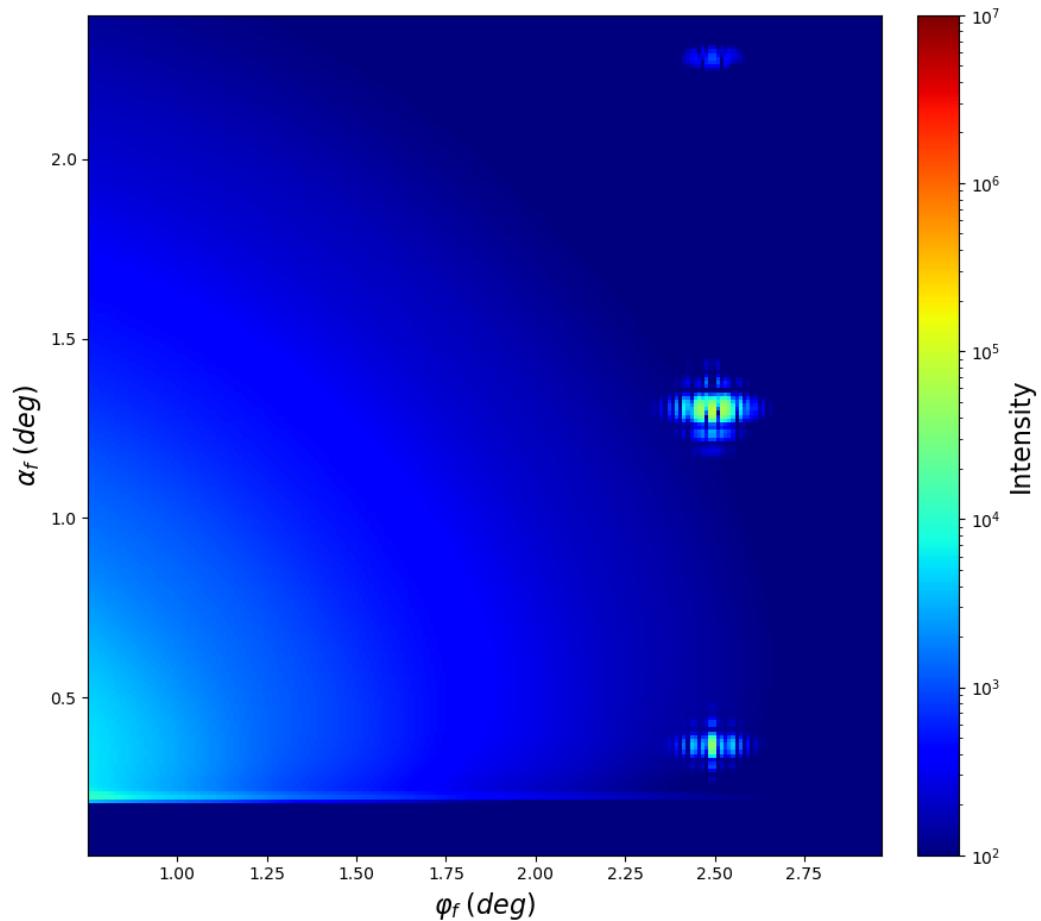
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 40.0  
}
```



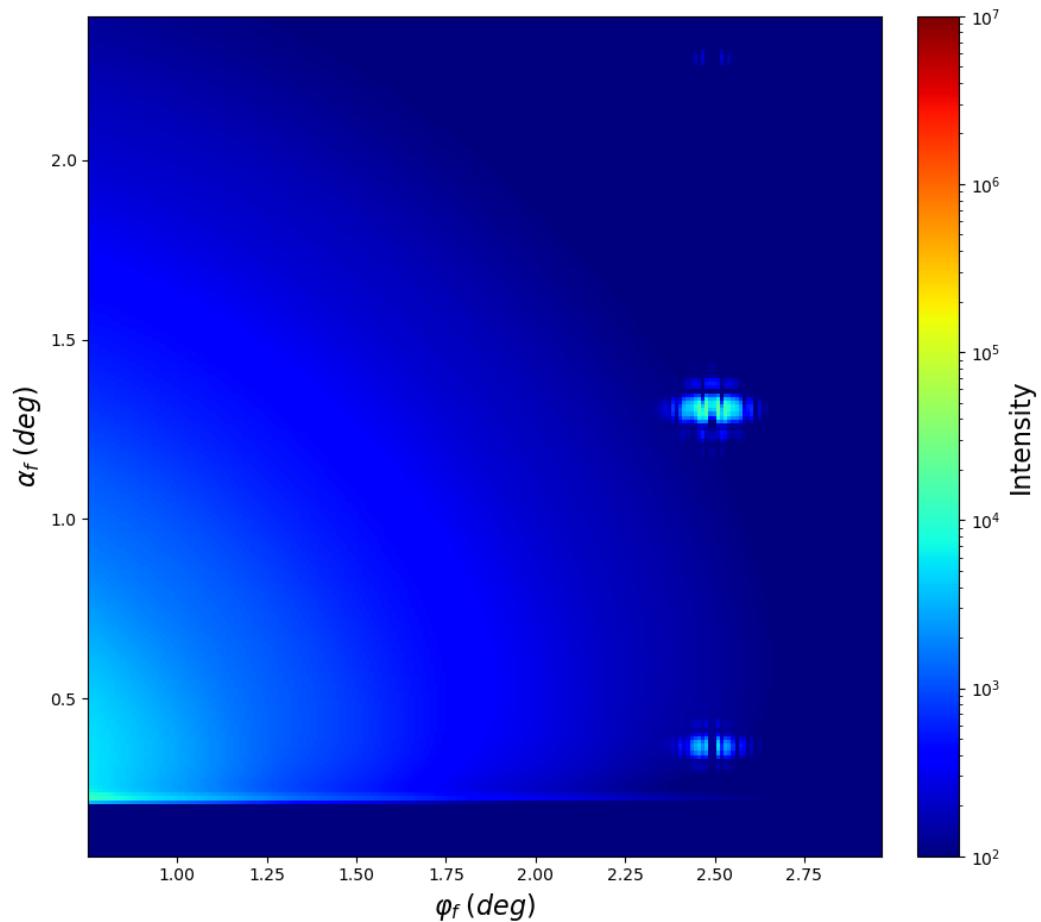
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 40.5  
}
```



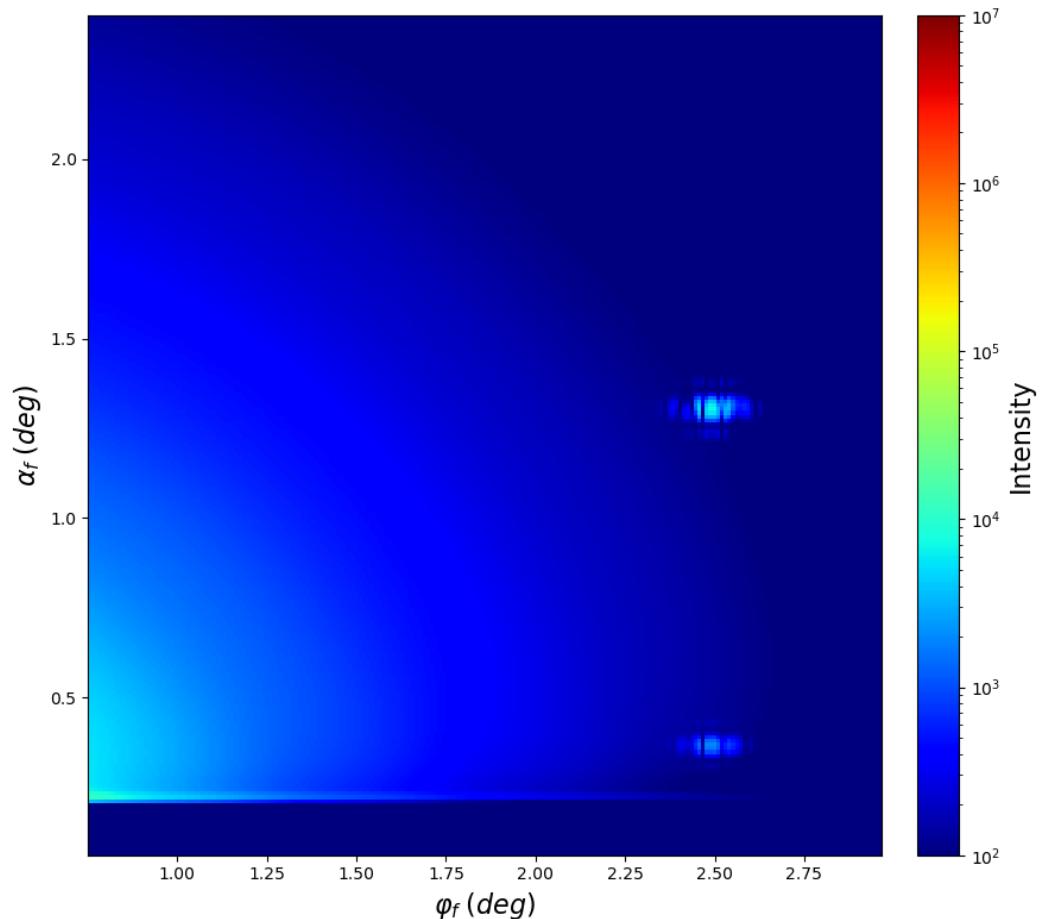
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 41.0  
}
```



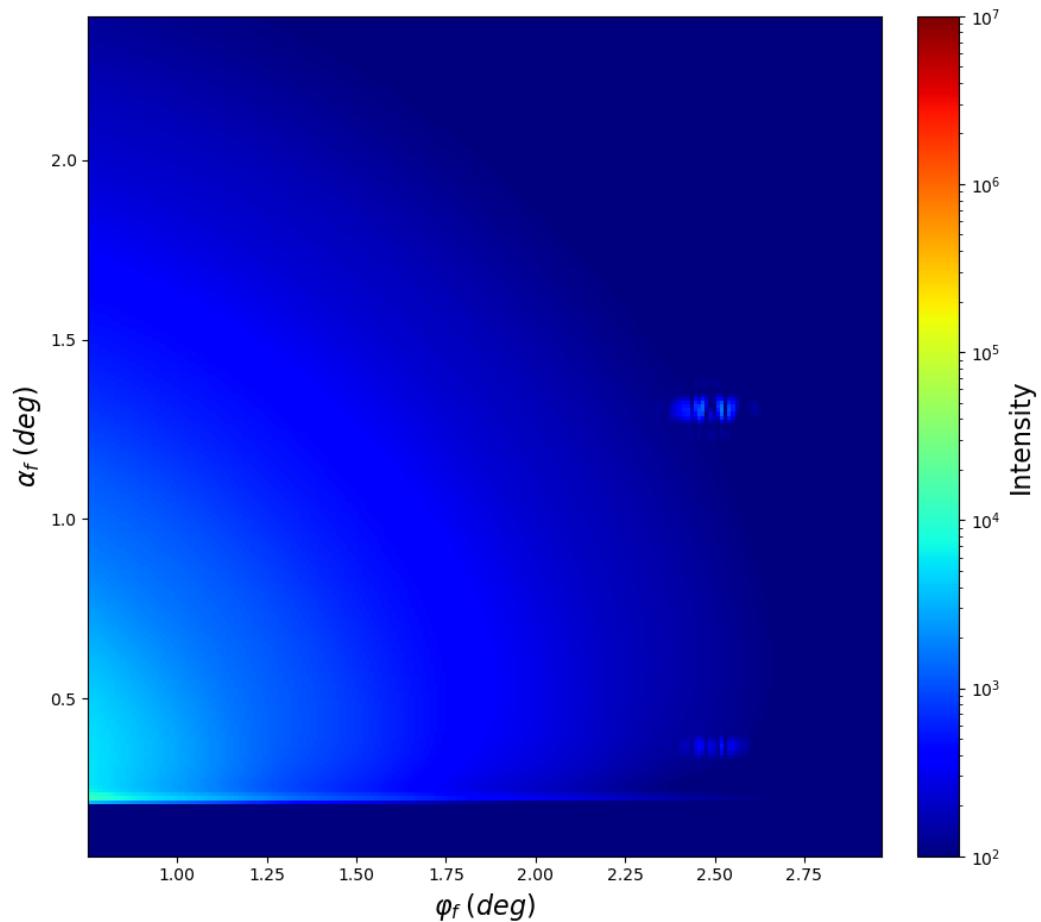
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 41.5  
}
```



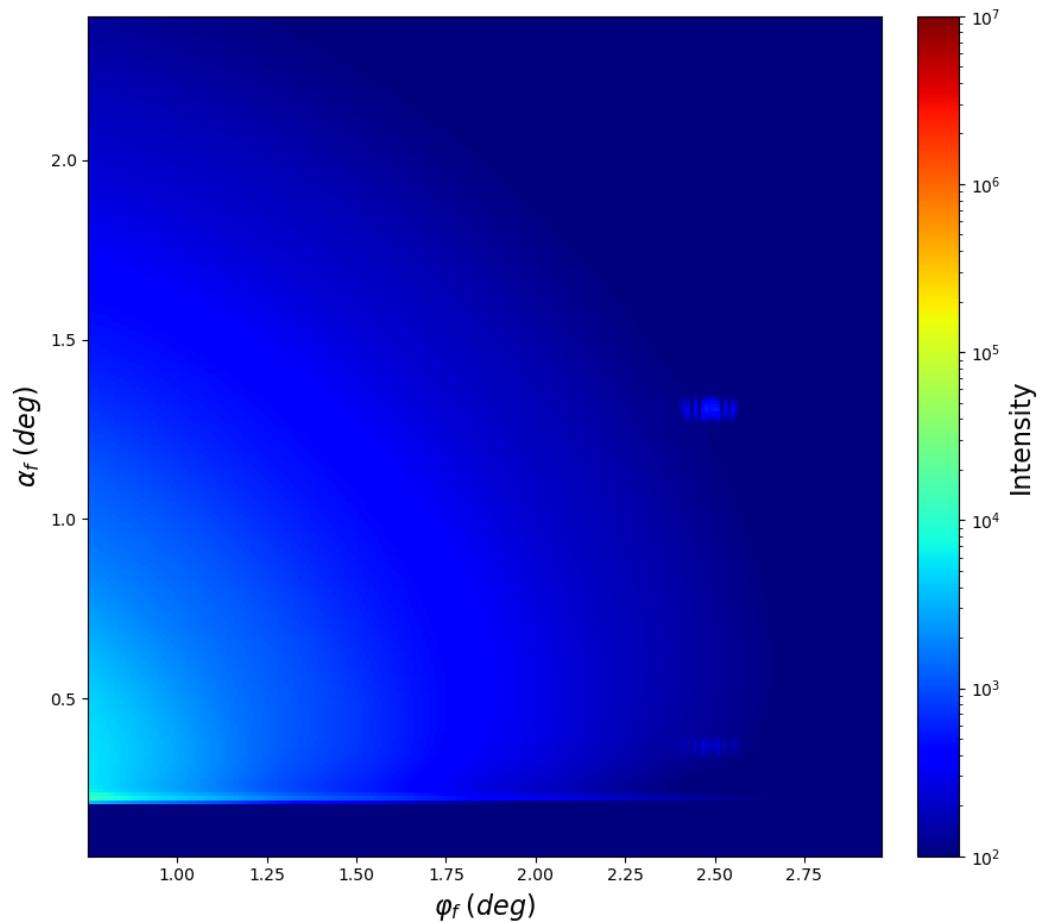
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 42.0  
}
```



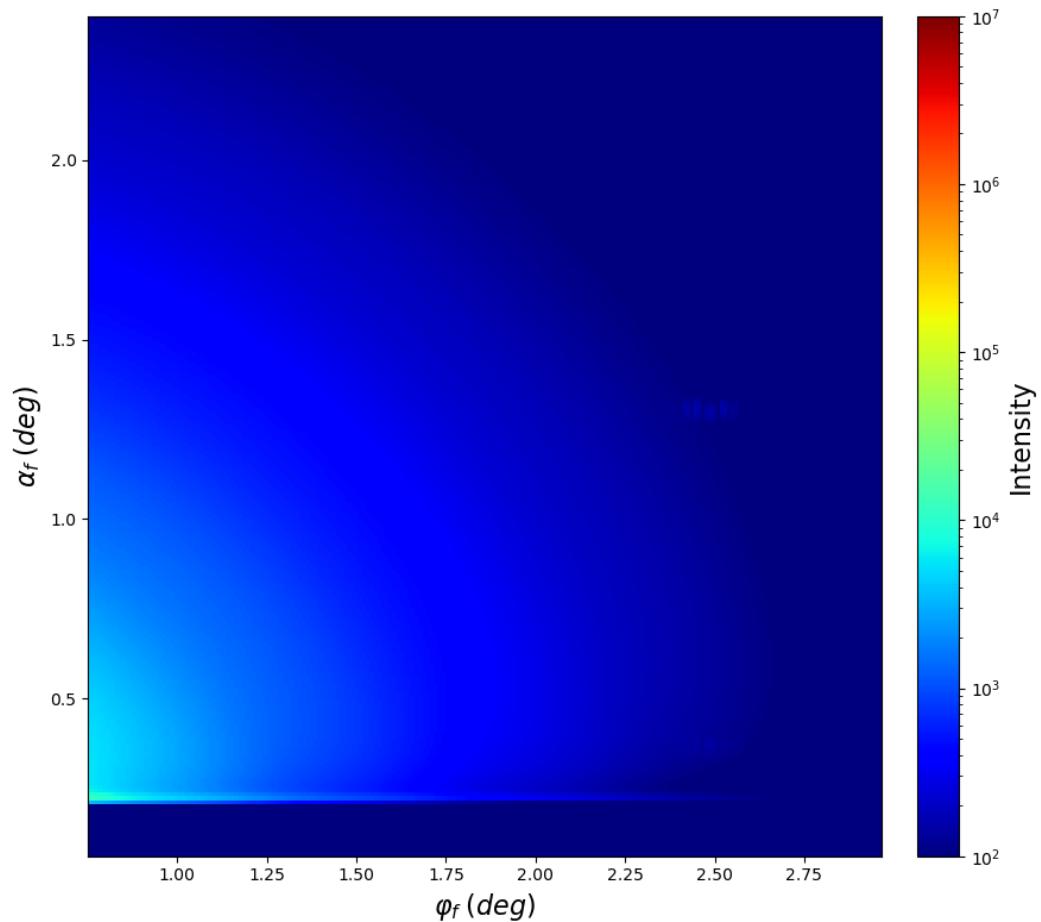
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 42.5  
}
```



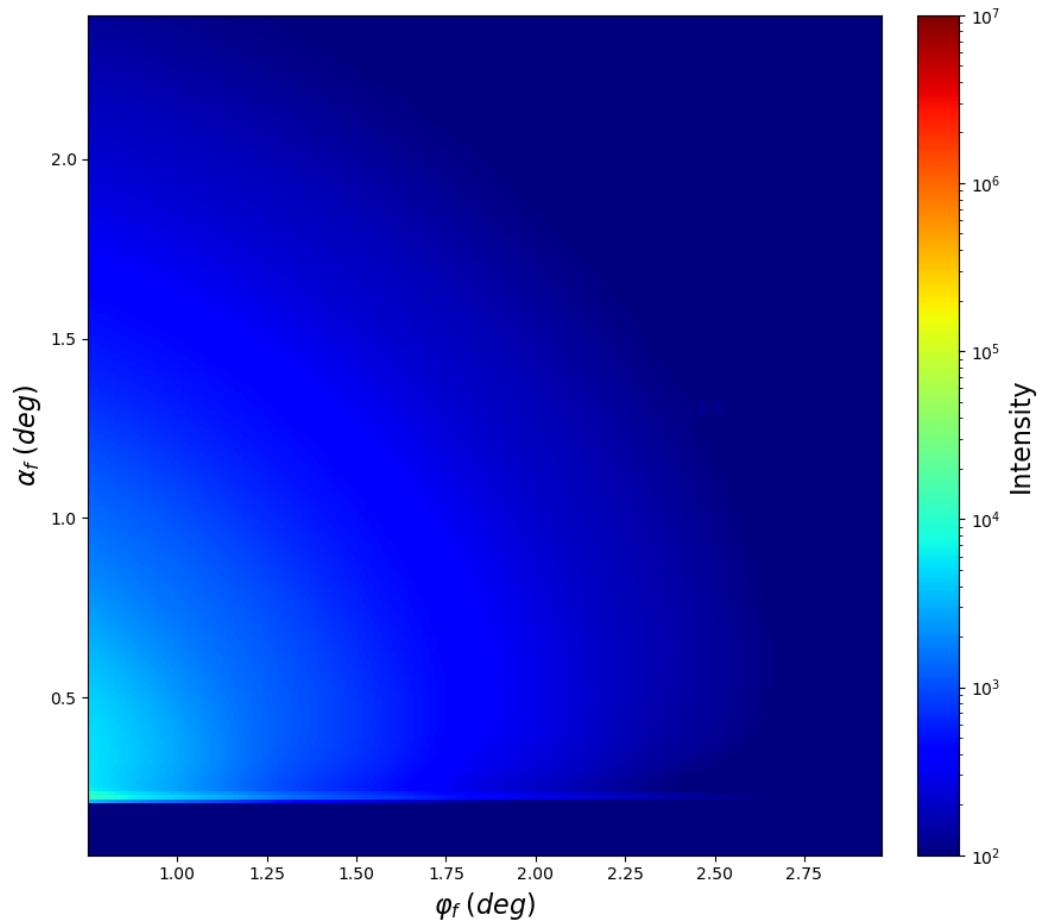
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 43.0  
}
```



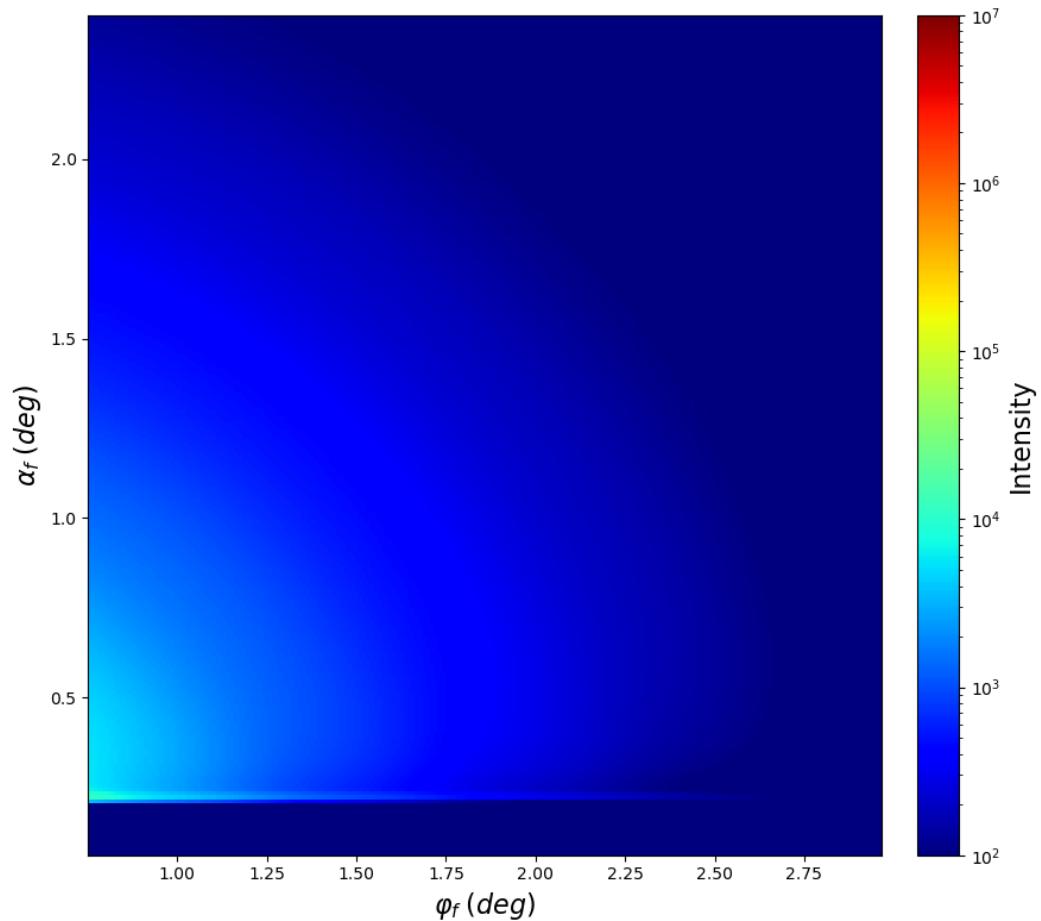
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 43.5  
}
```



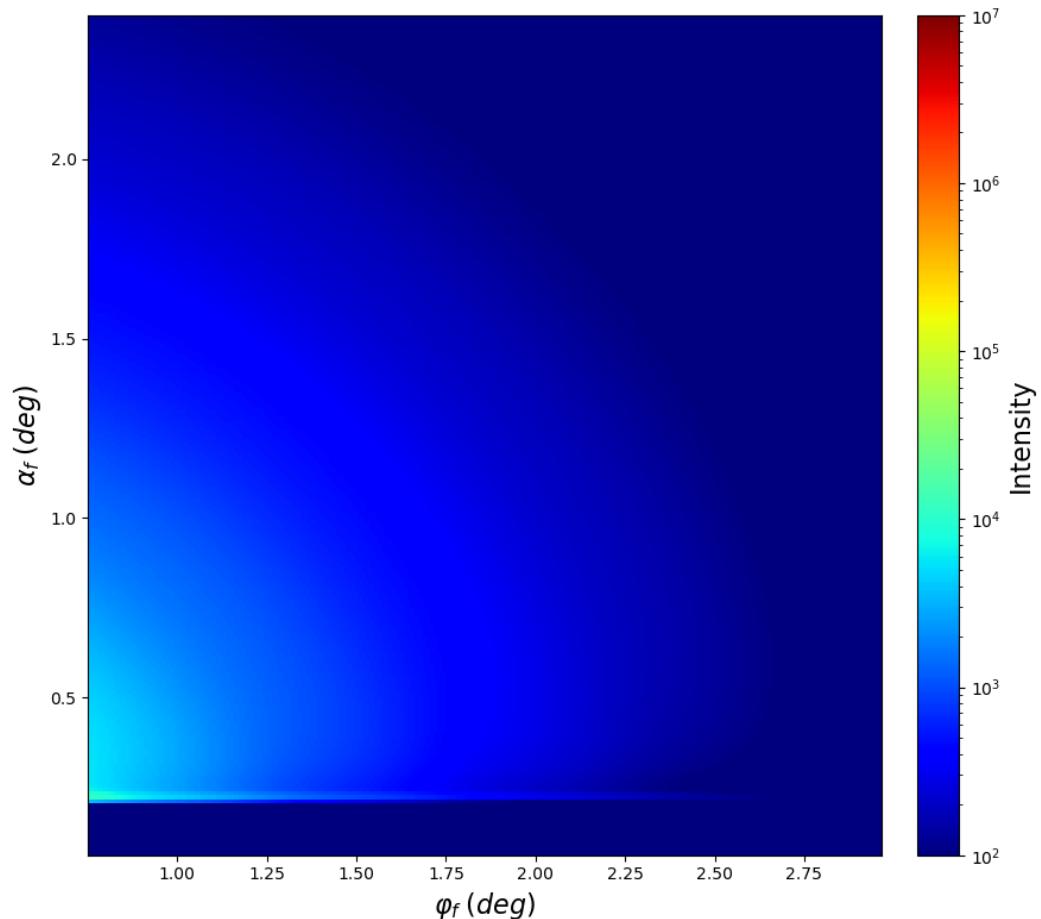
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 44.0  
}
```



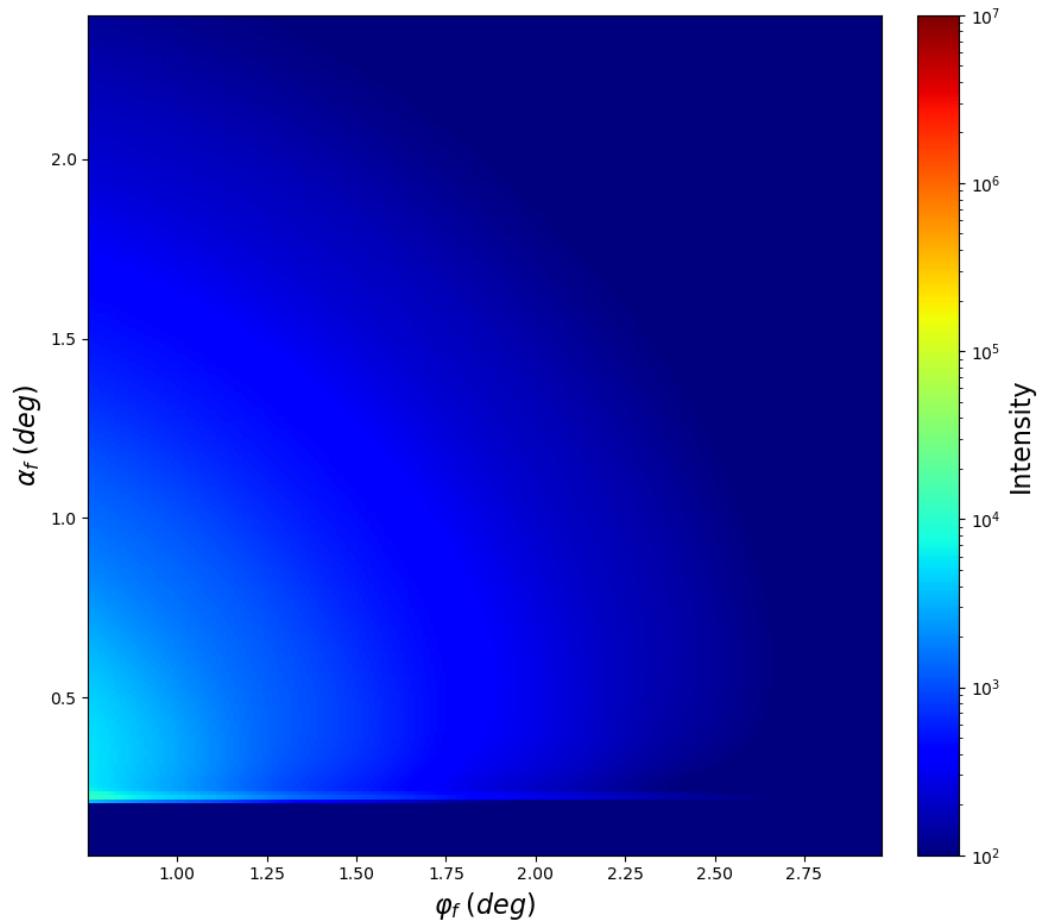
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 44.5  
}
```



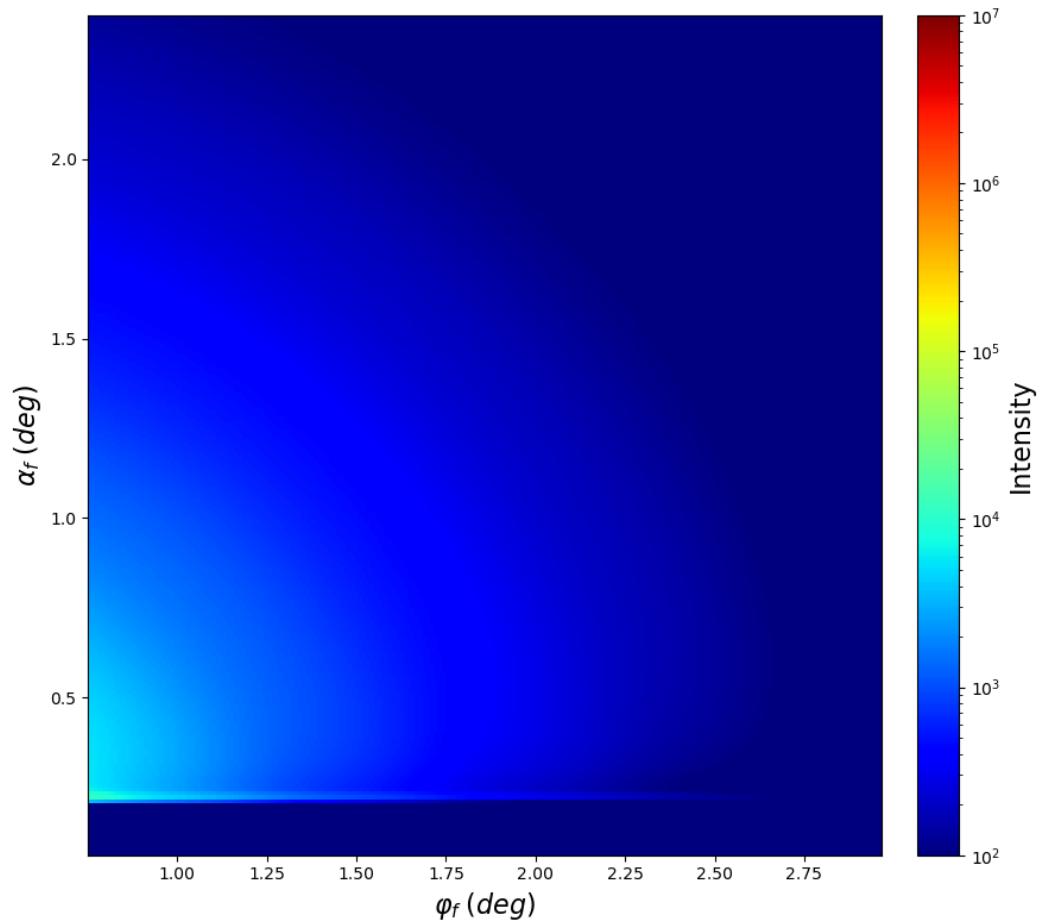
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 45.0  
}
```



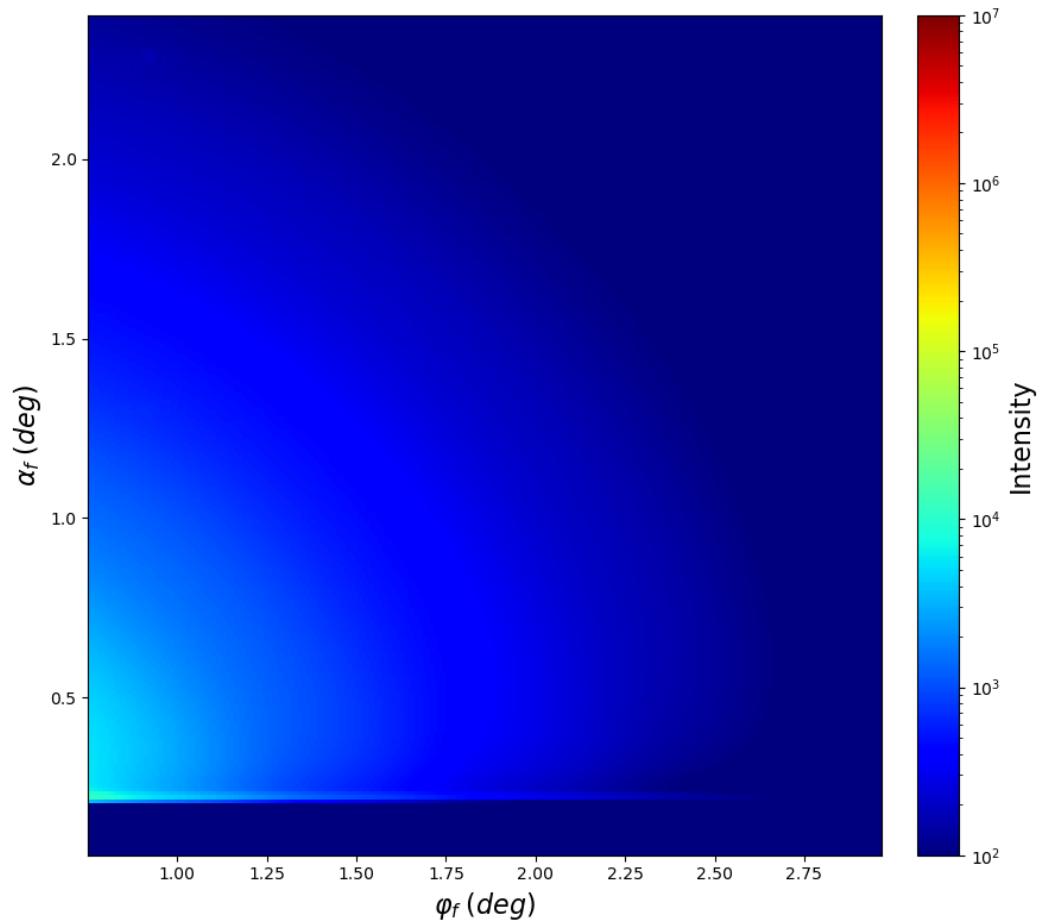
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 45.5  
}
```



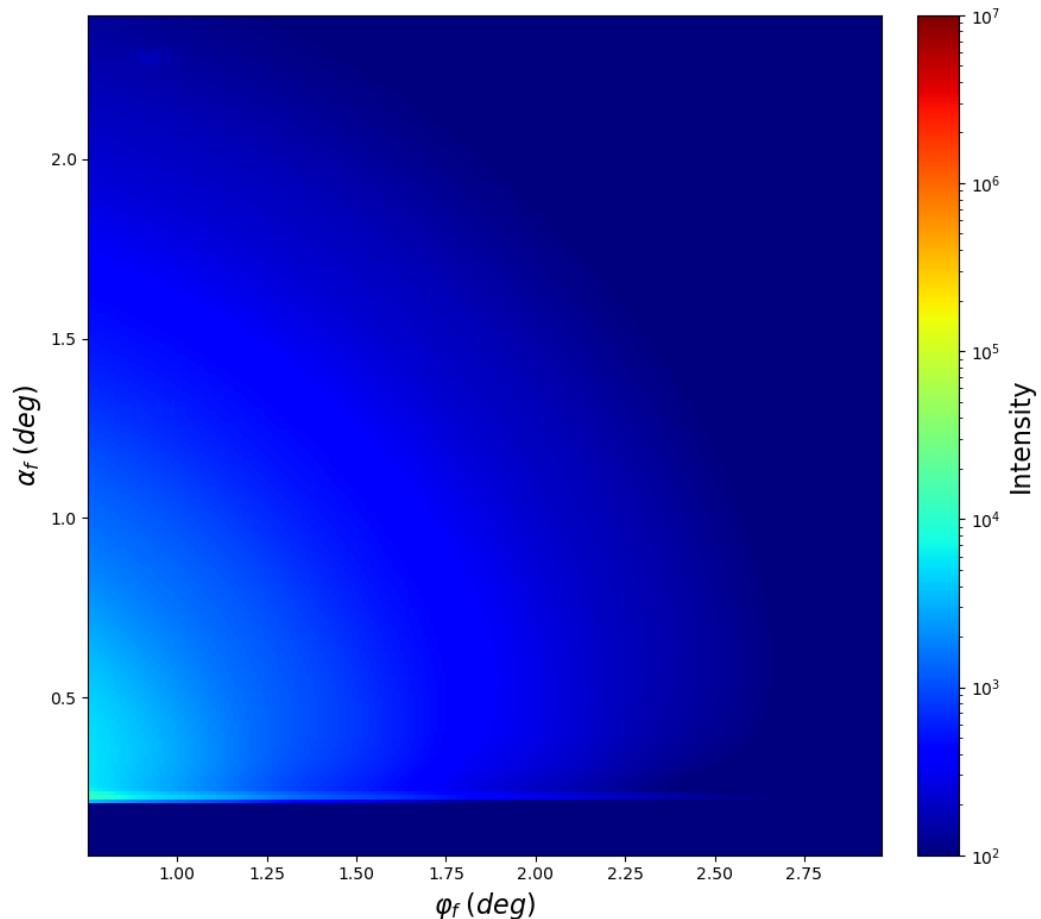
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 46.0  
}
```



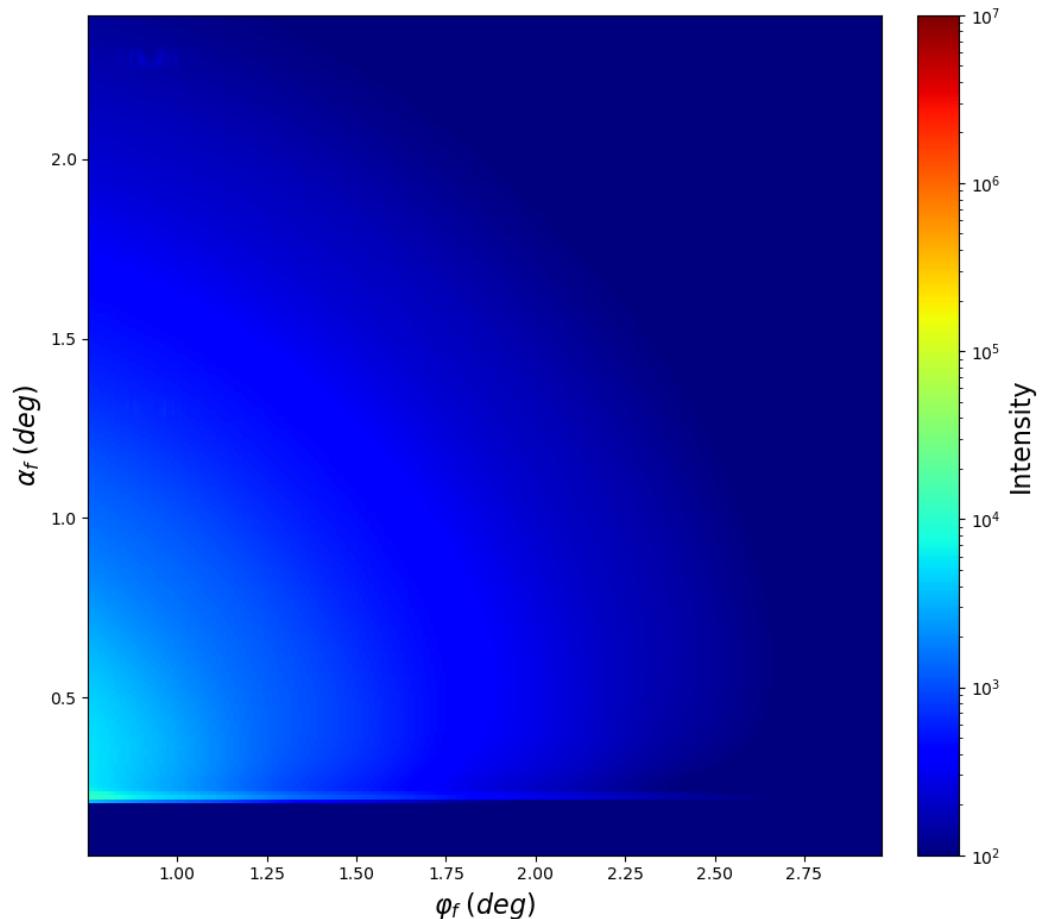
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 46.5  
}
```



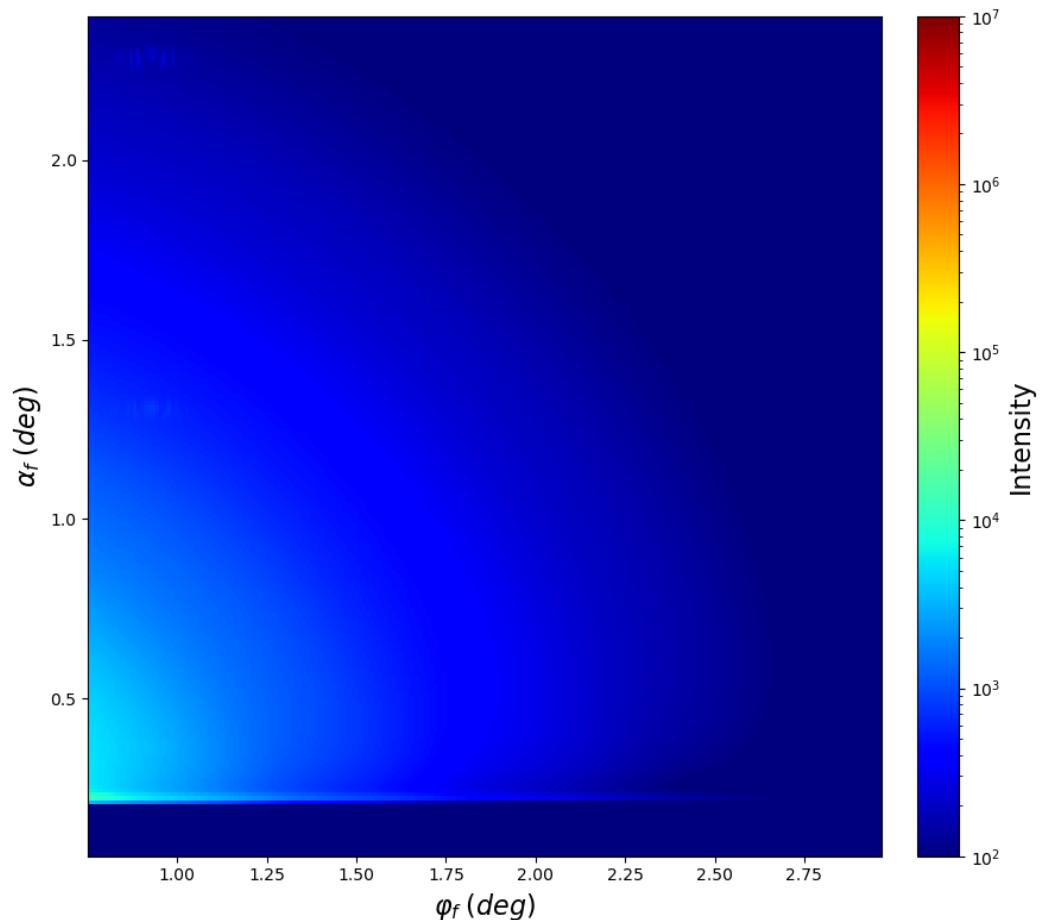
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 47.0  
}
```



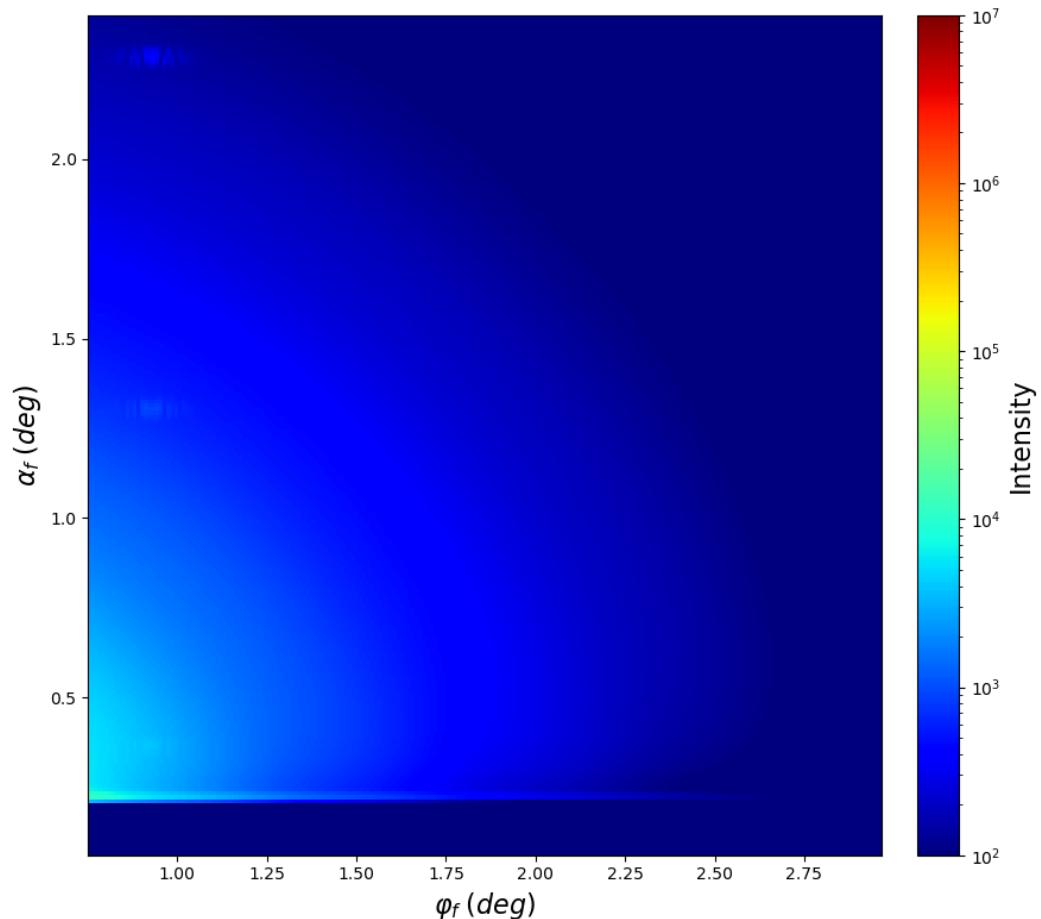
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 47.5  
}
```



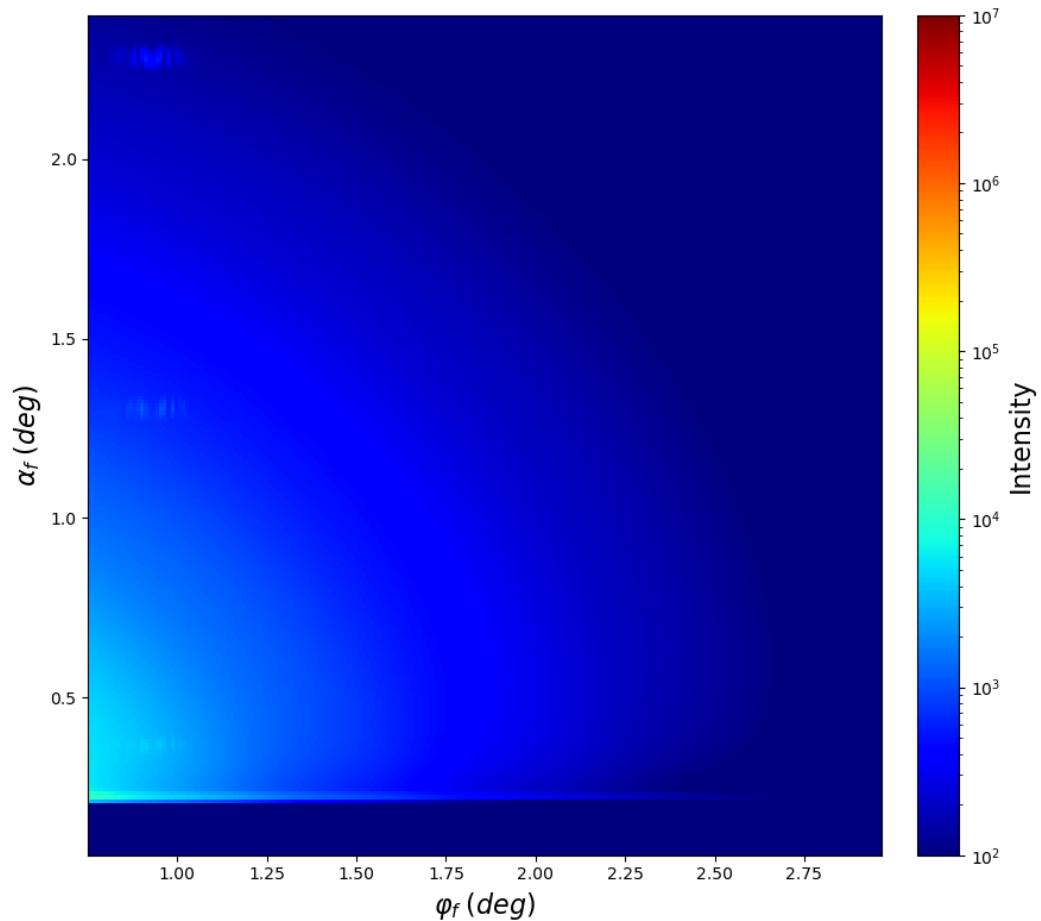
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 48.0  
}
```



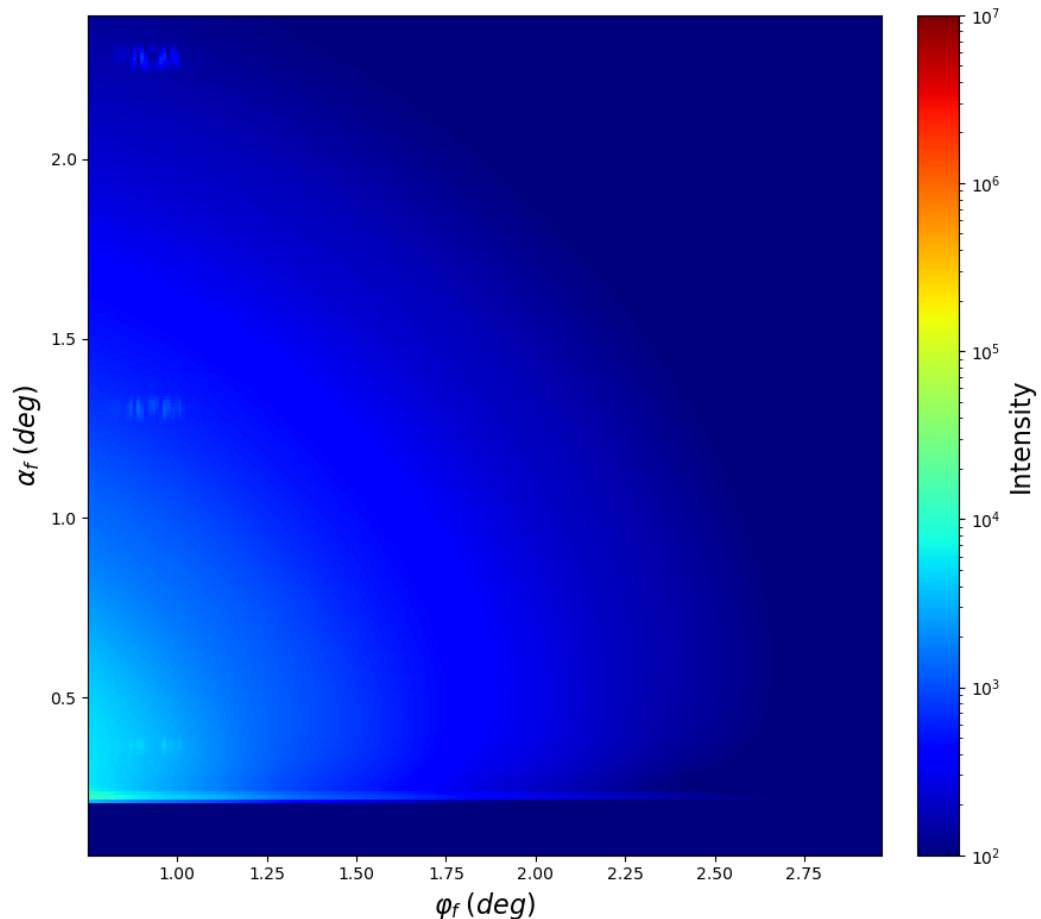
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 48.5  
}
```



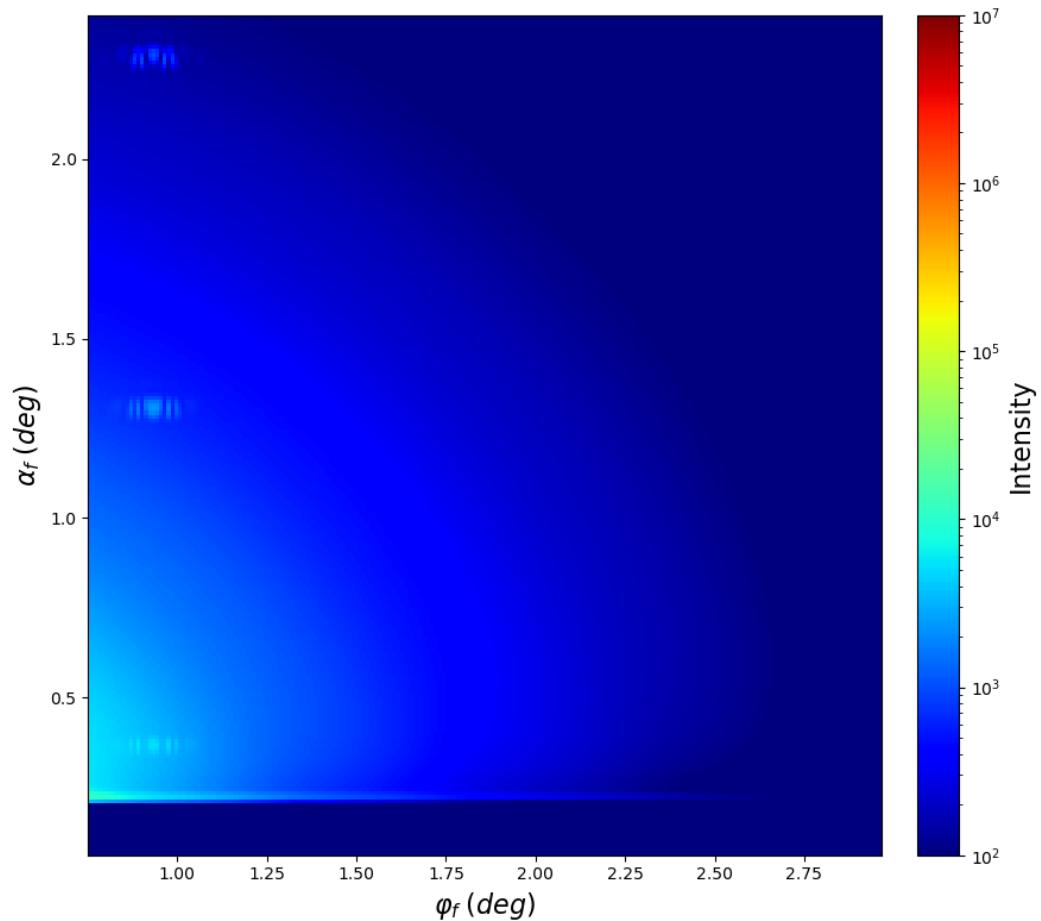
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 49.0  
}
```



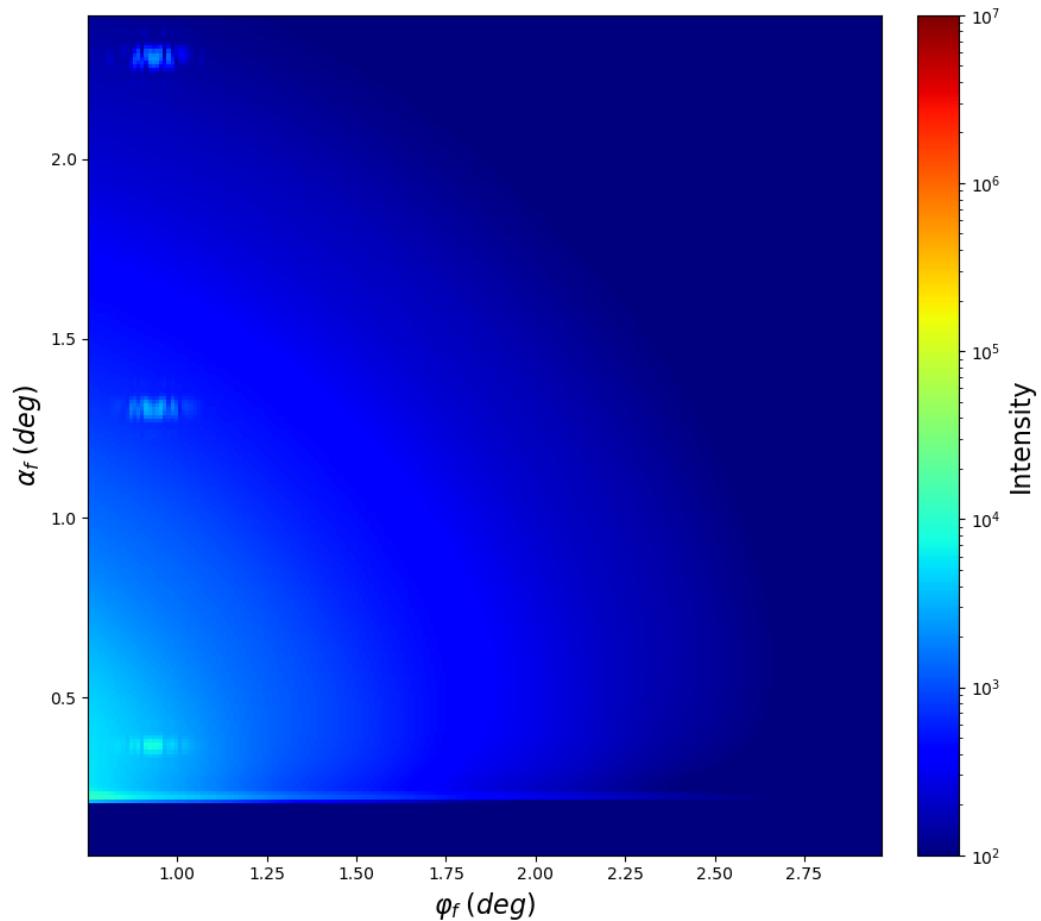
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 49.5  
}
```



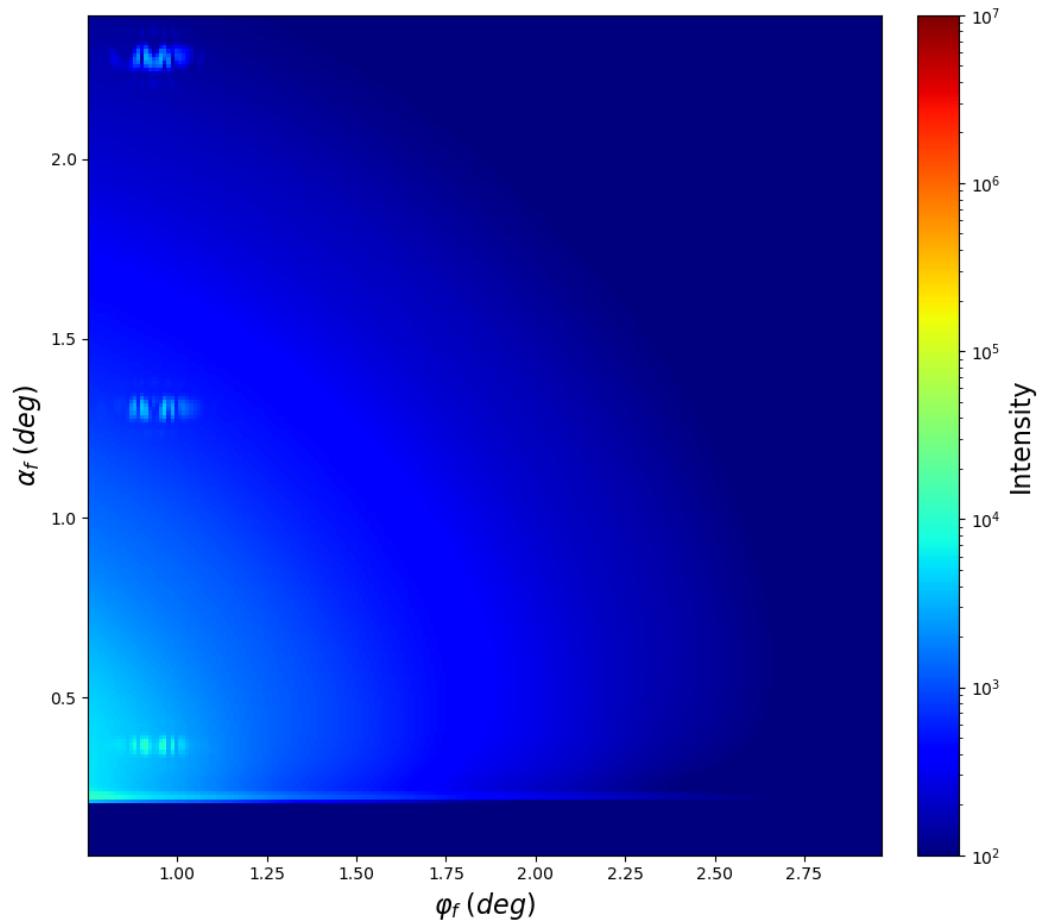
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 50.0  
}
```



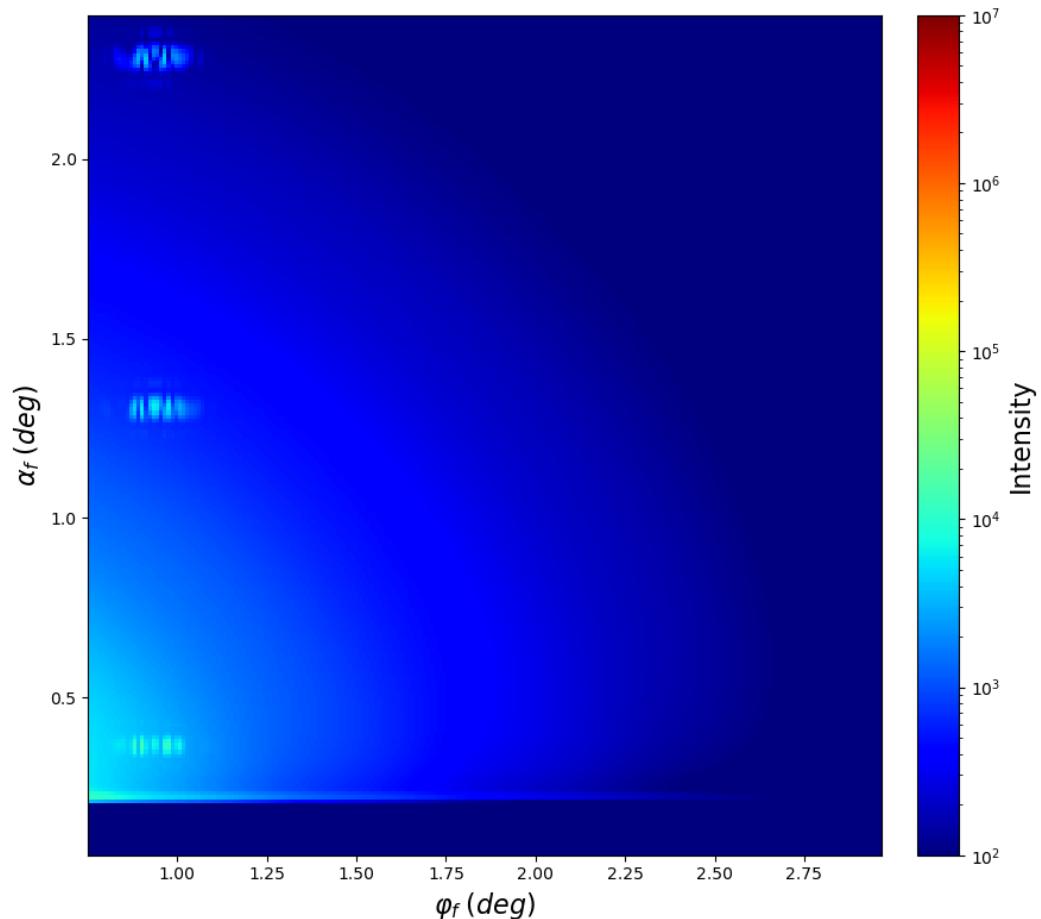
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 50.5  
}
```



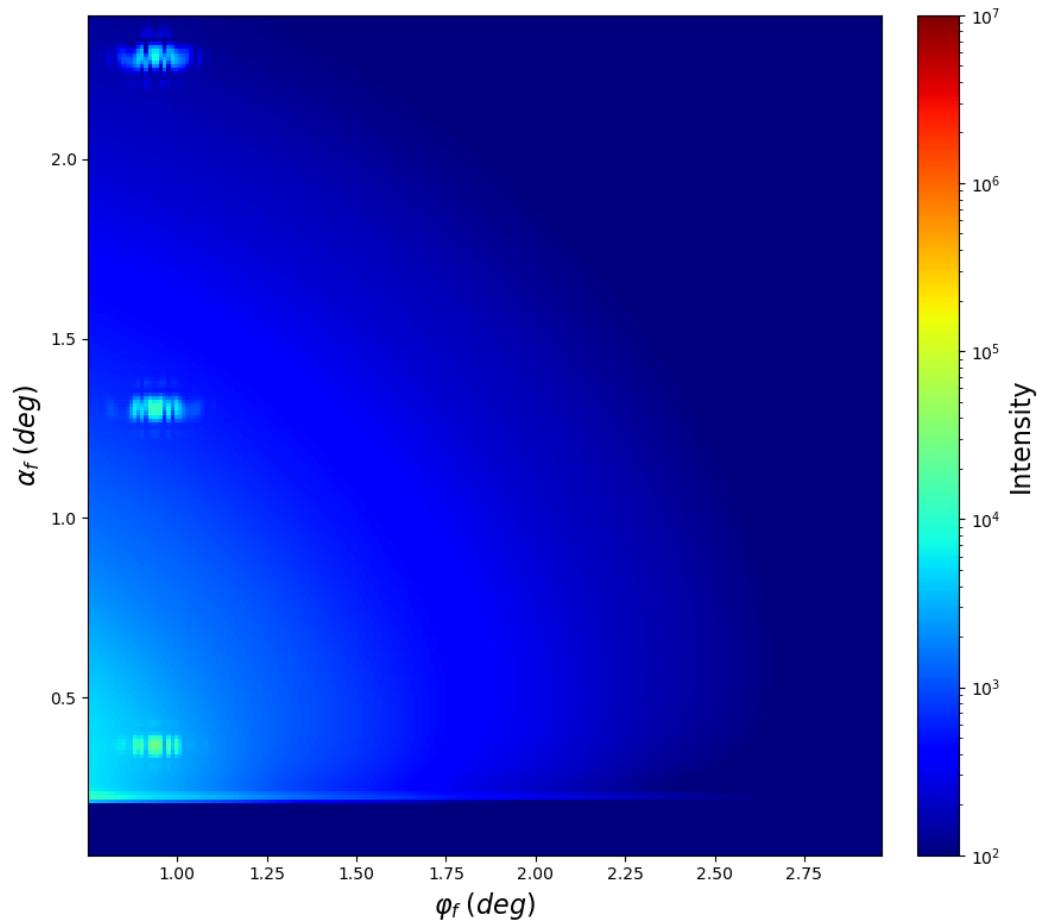
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 51.0  
}
```



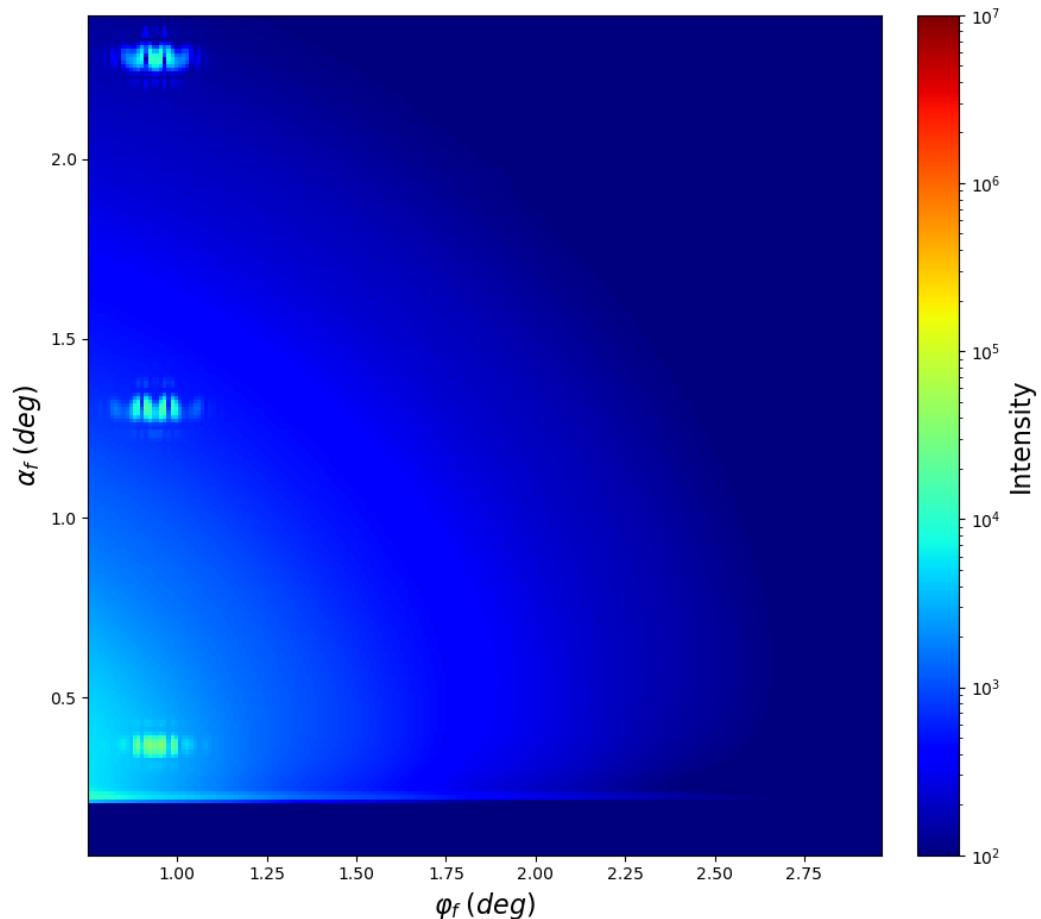
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 51.5  
}
```



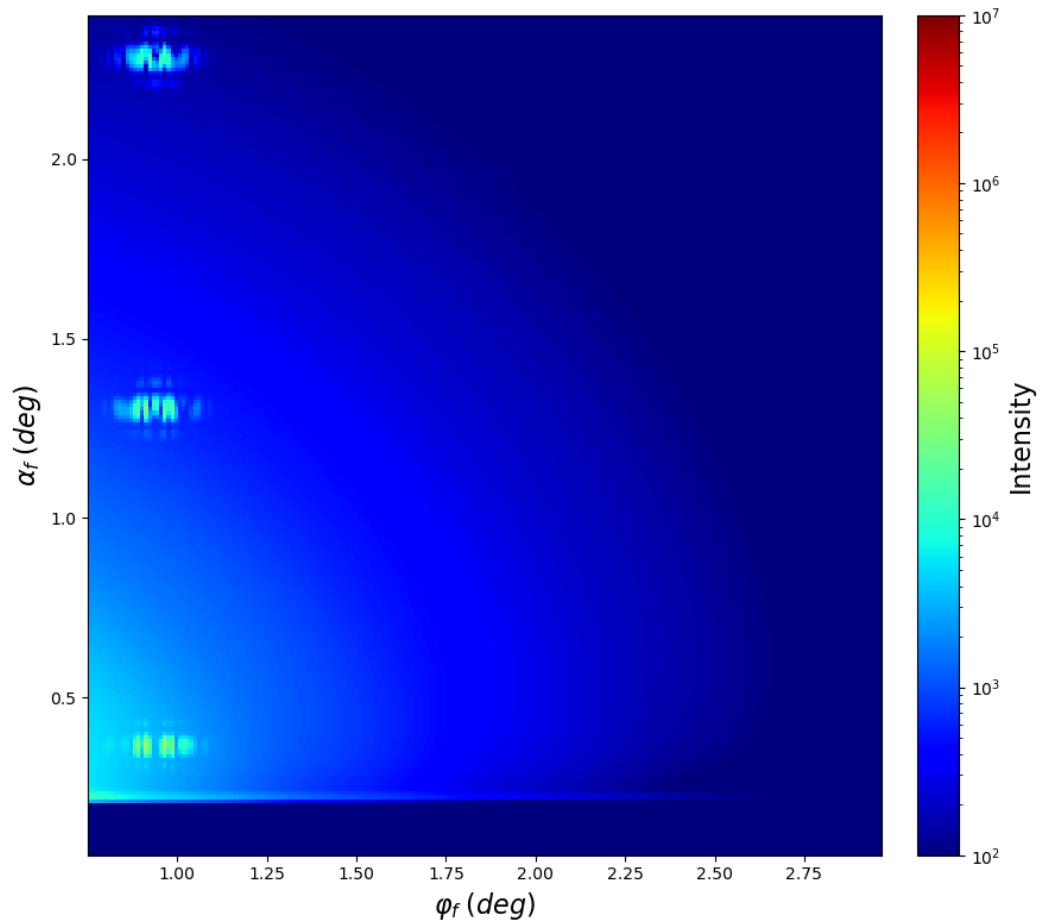
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 52.0  
}
```



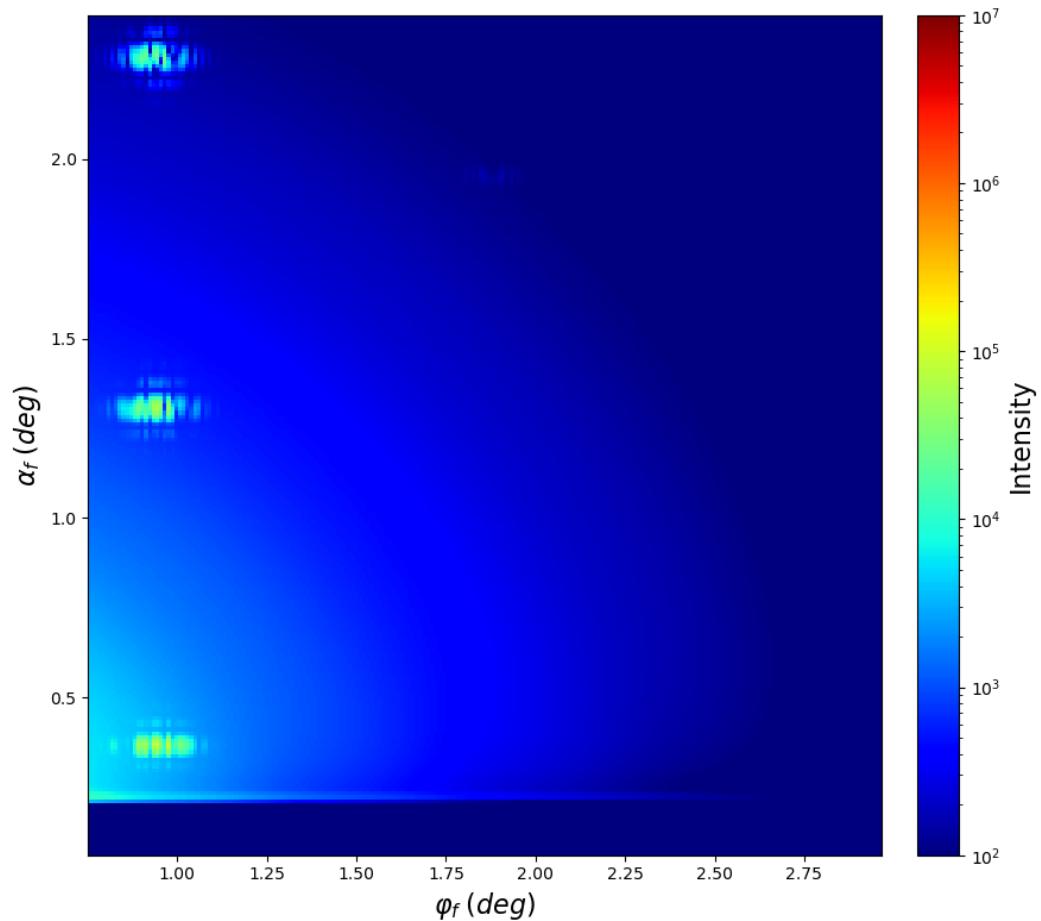
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 52.5  
}
```



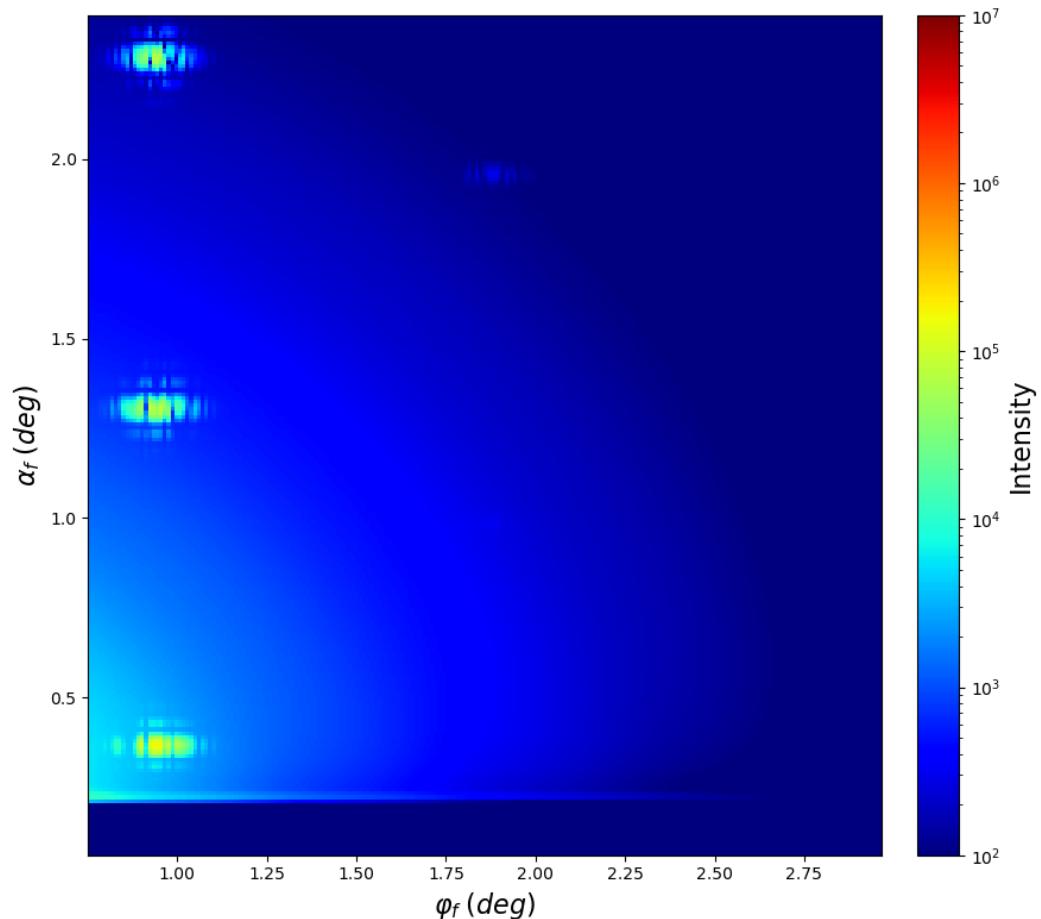
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 53.0  
}
```



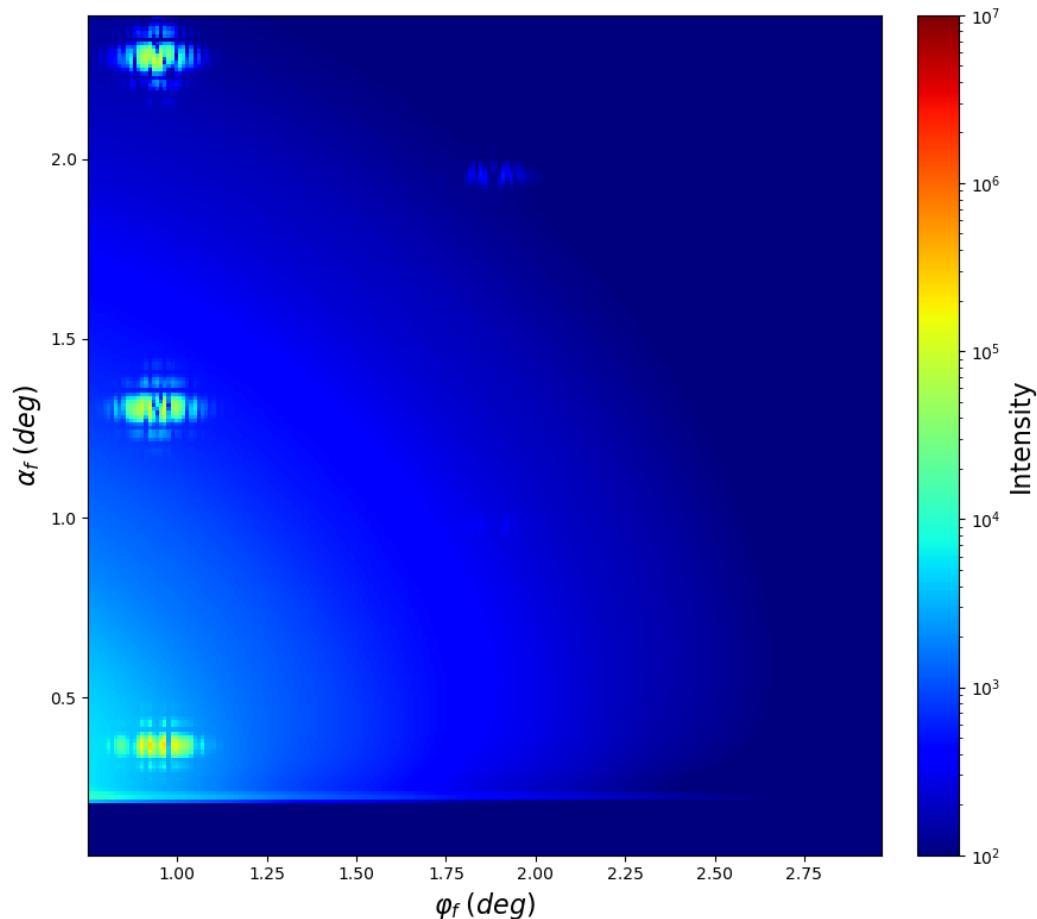
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 53.5  
}
```



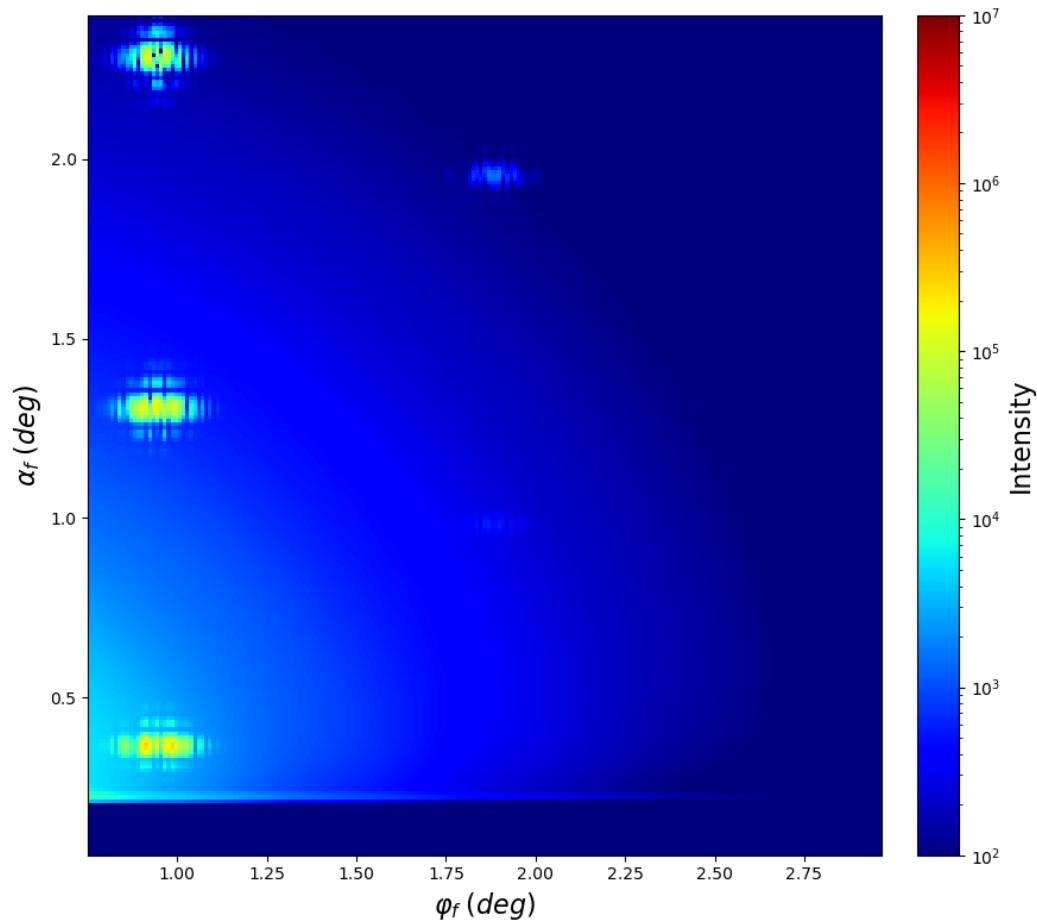
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 54.0  
}
```



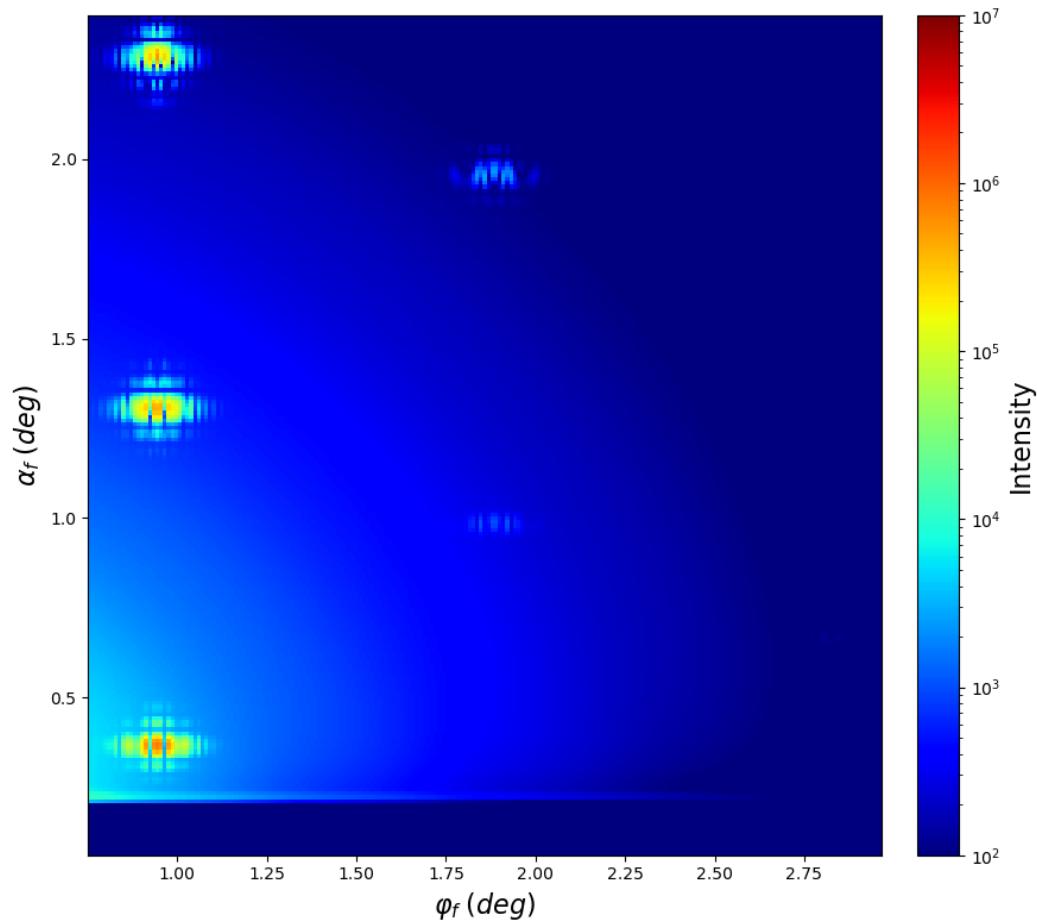
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 54.5  
}
```



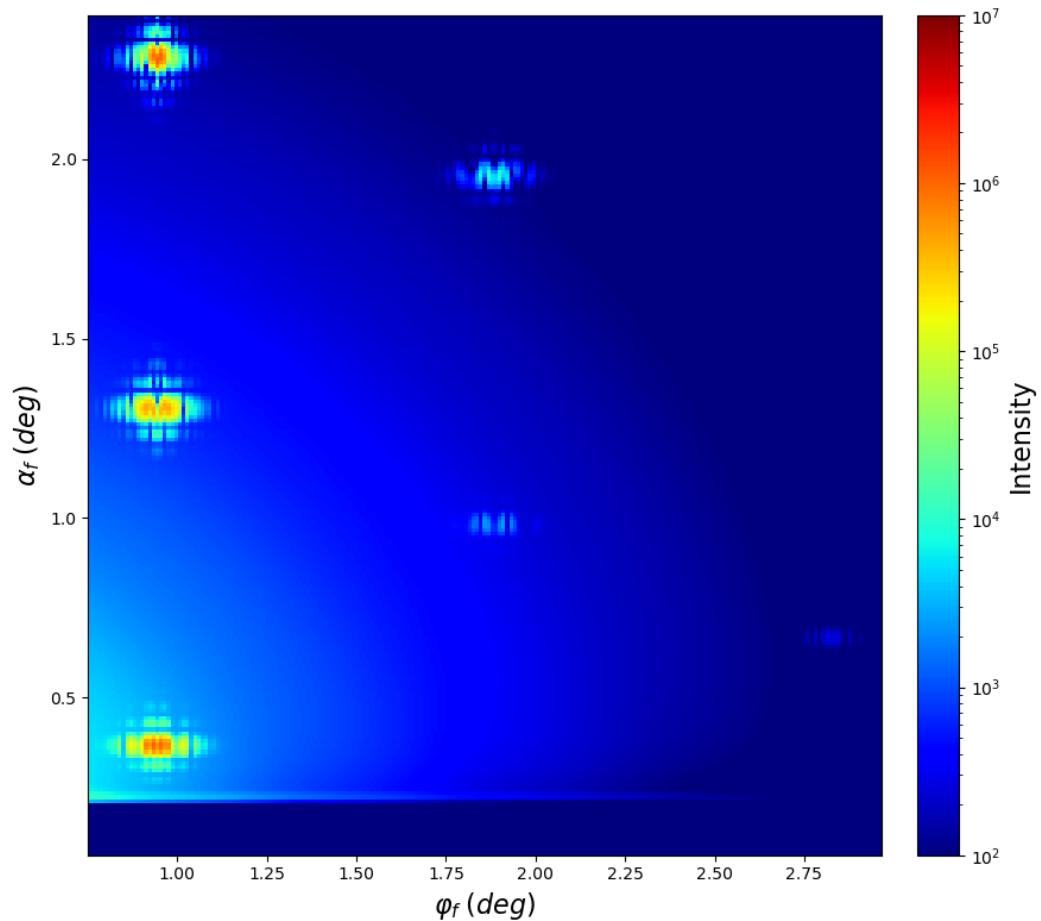
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 55.0  
}
```



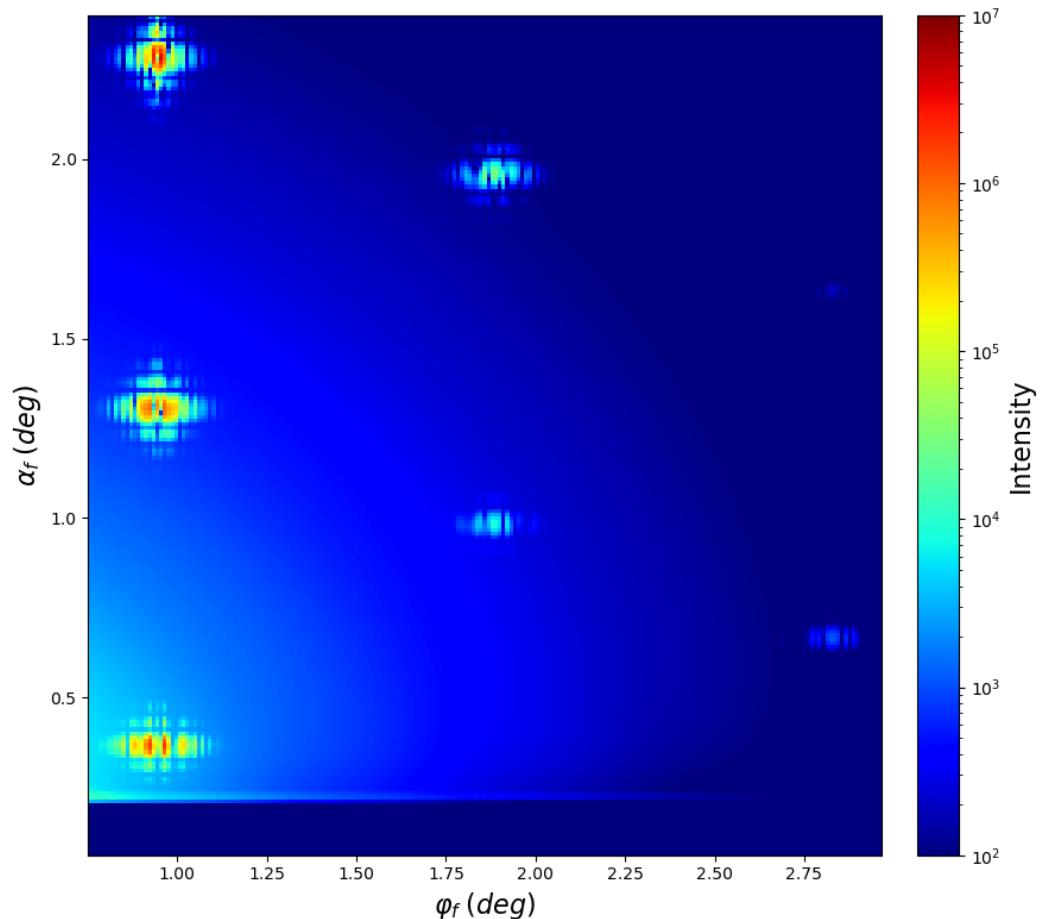
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 55.5  
}
```



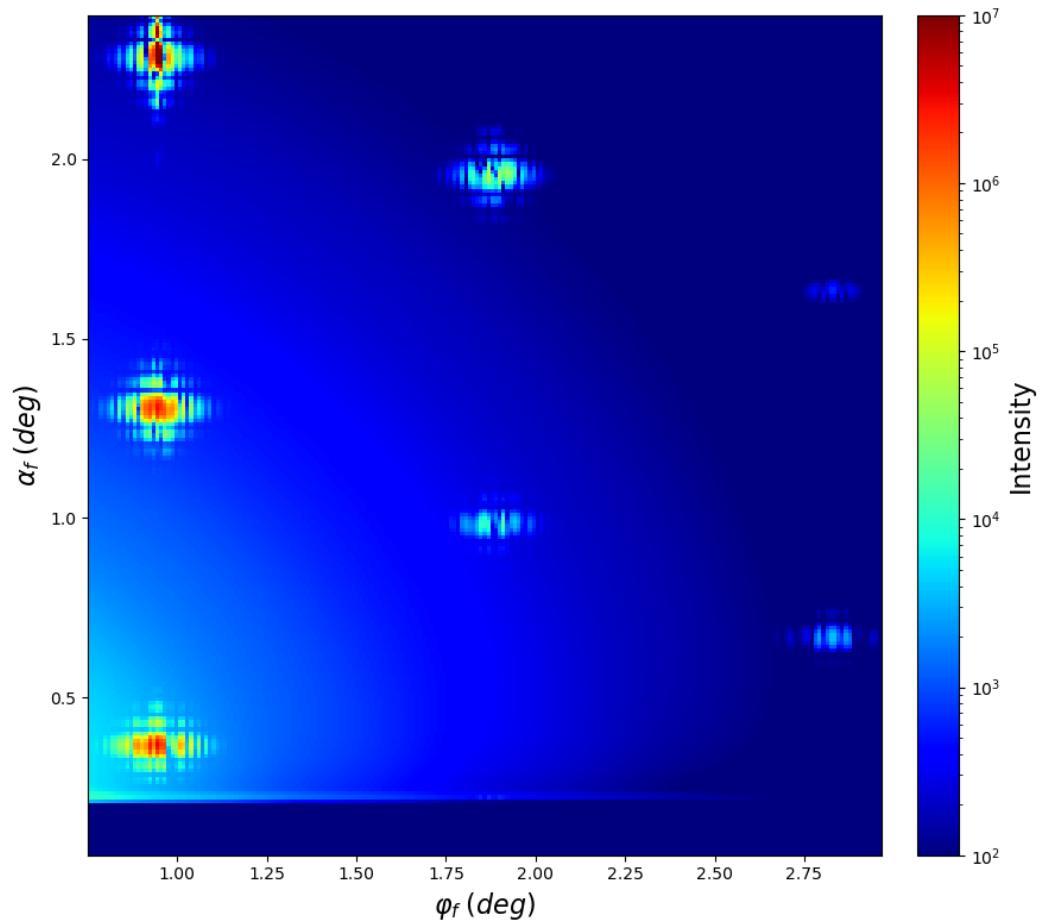
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 56.0  
}
```



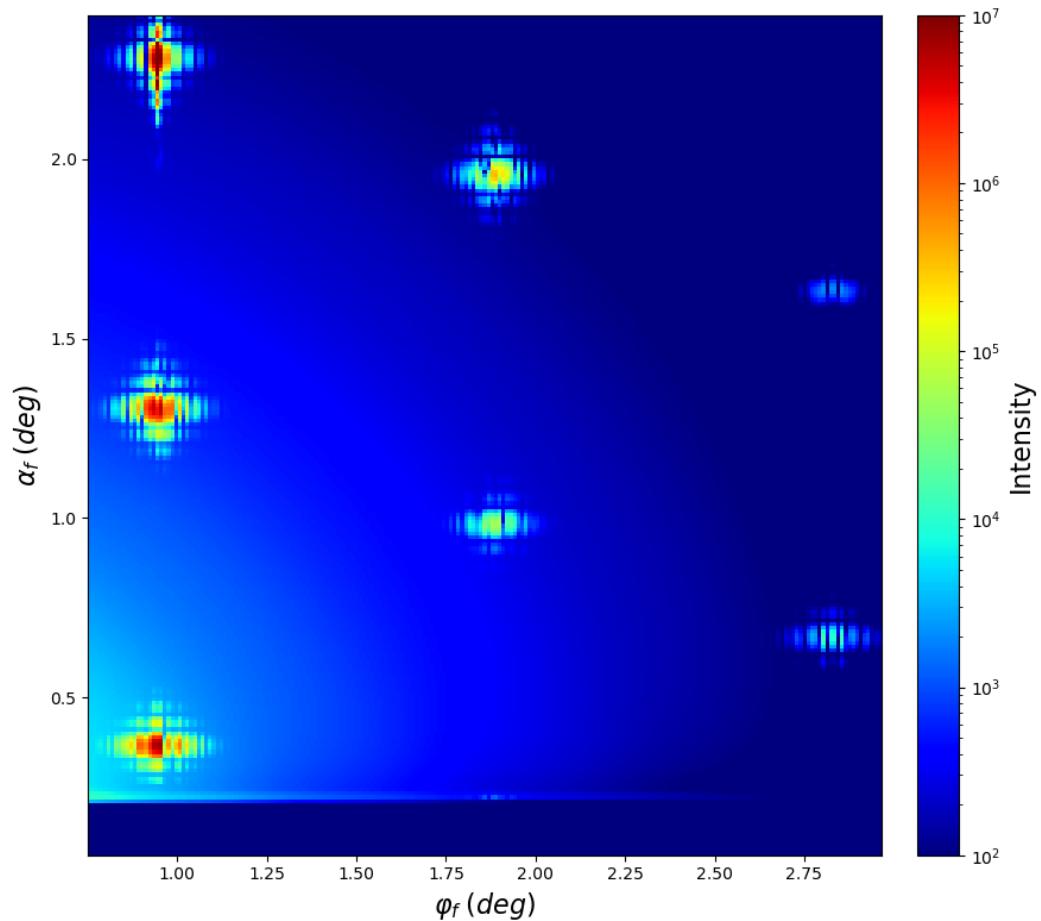
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 56.5  
}
```



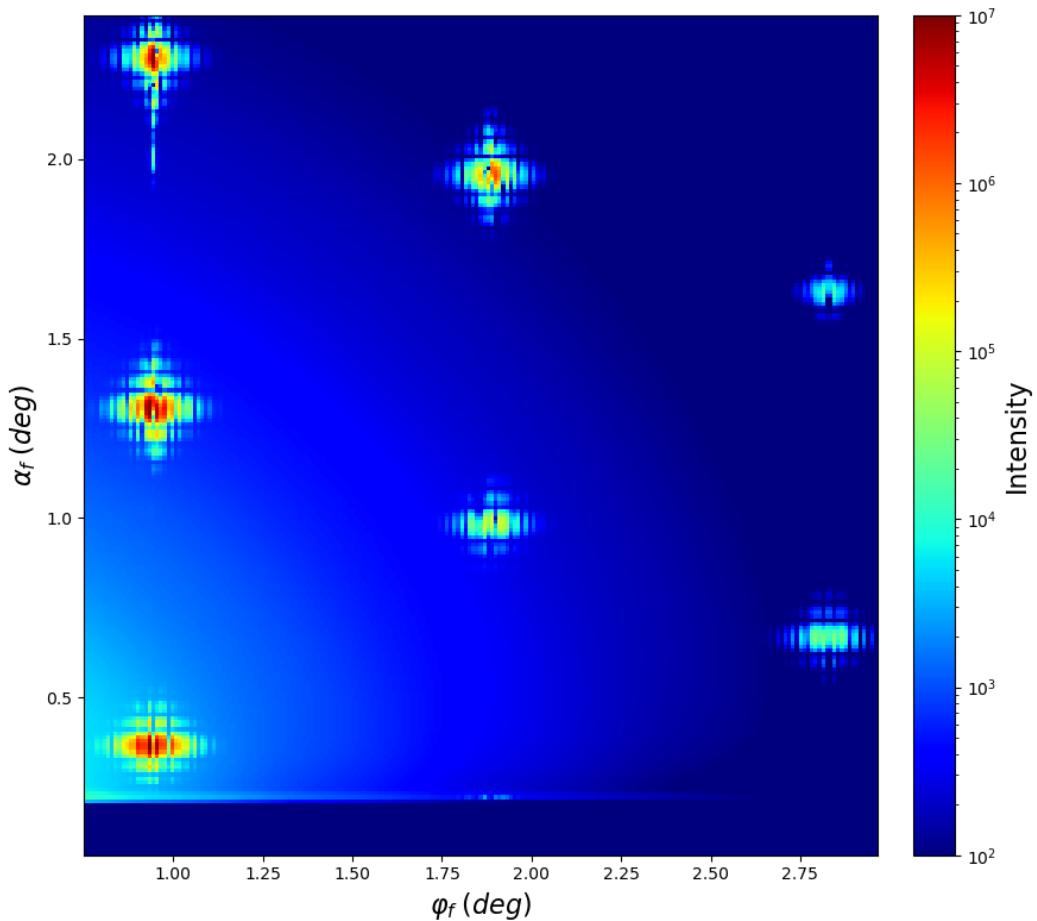
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 57.0  
}
```



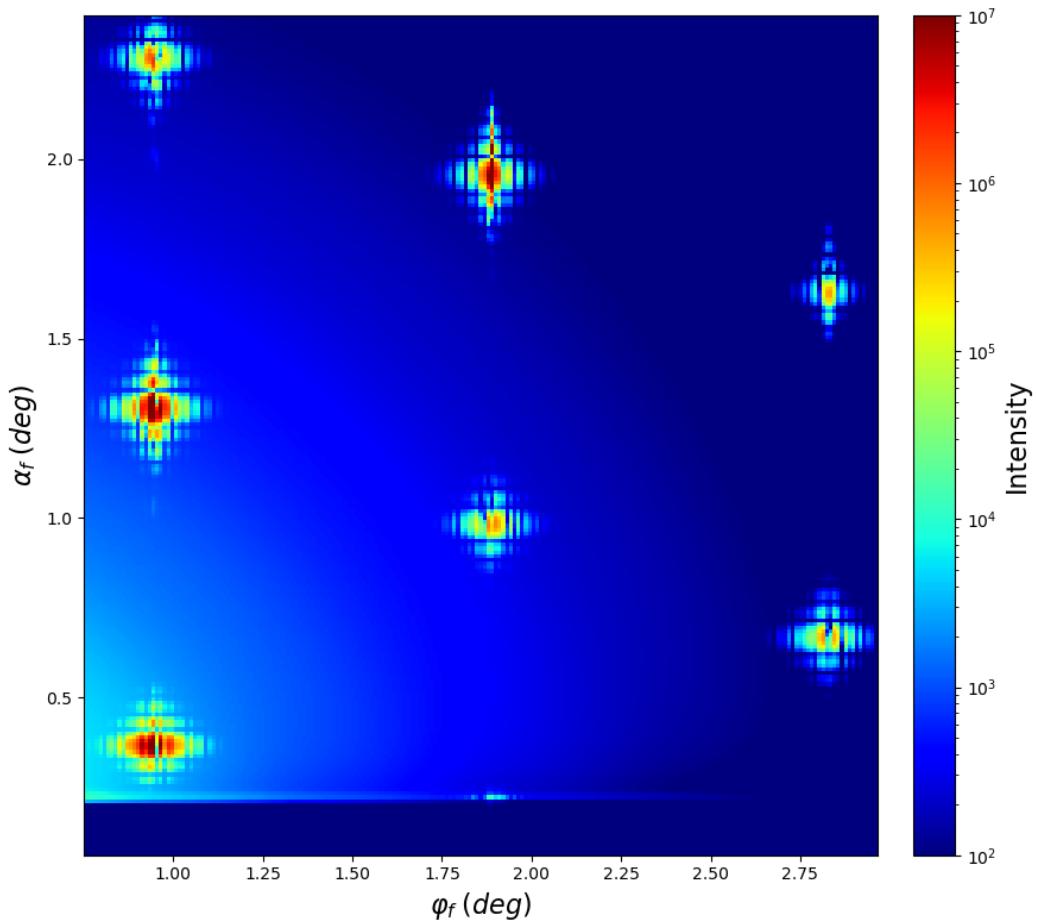
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 57.5  
}
```



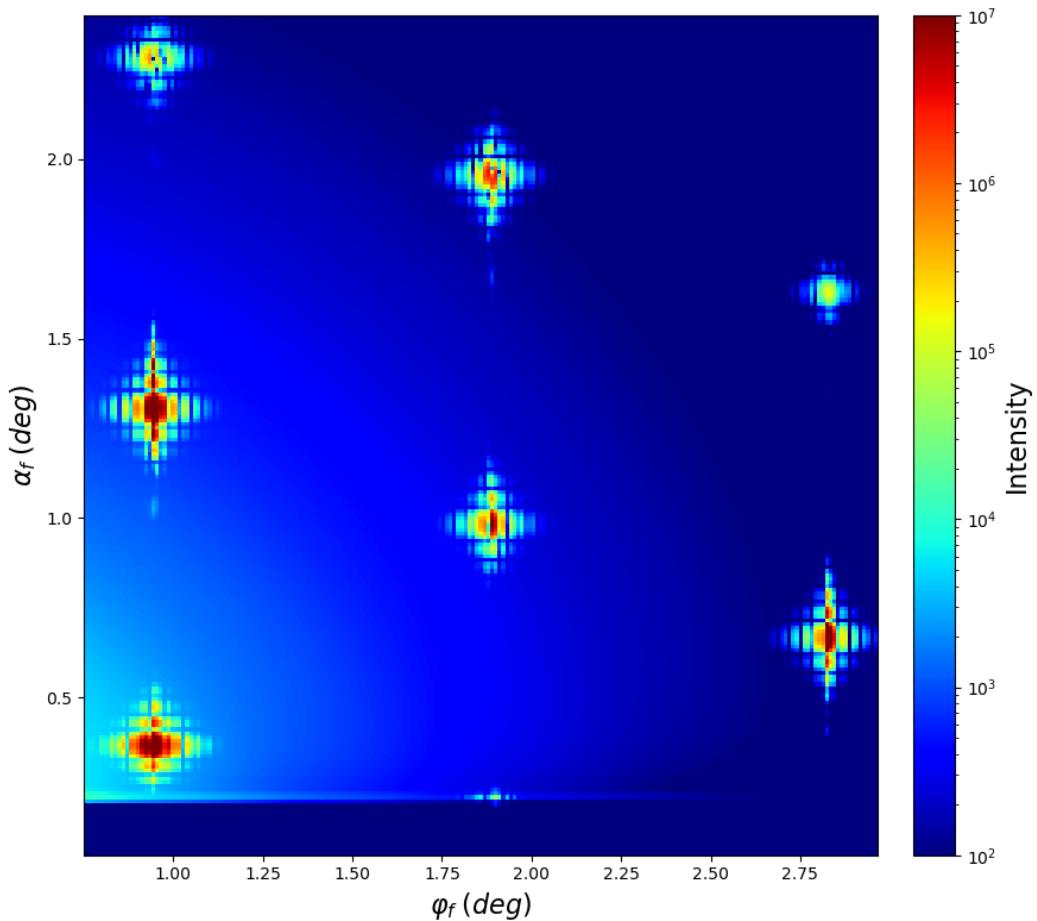
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 58.0  
}
```



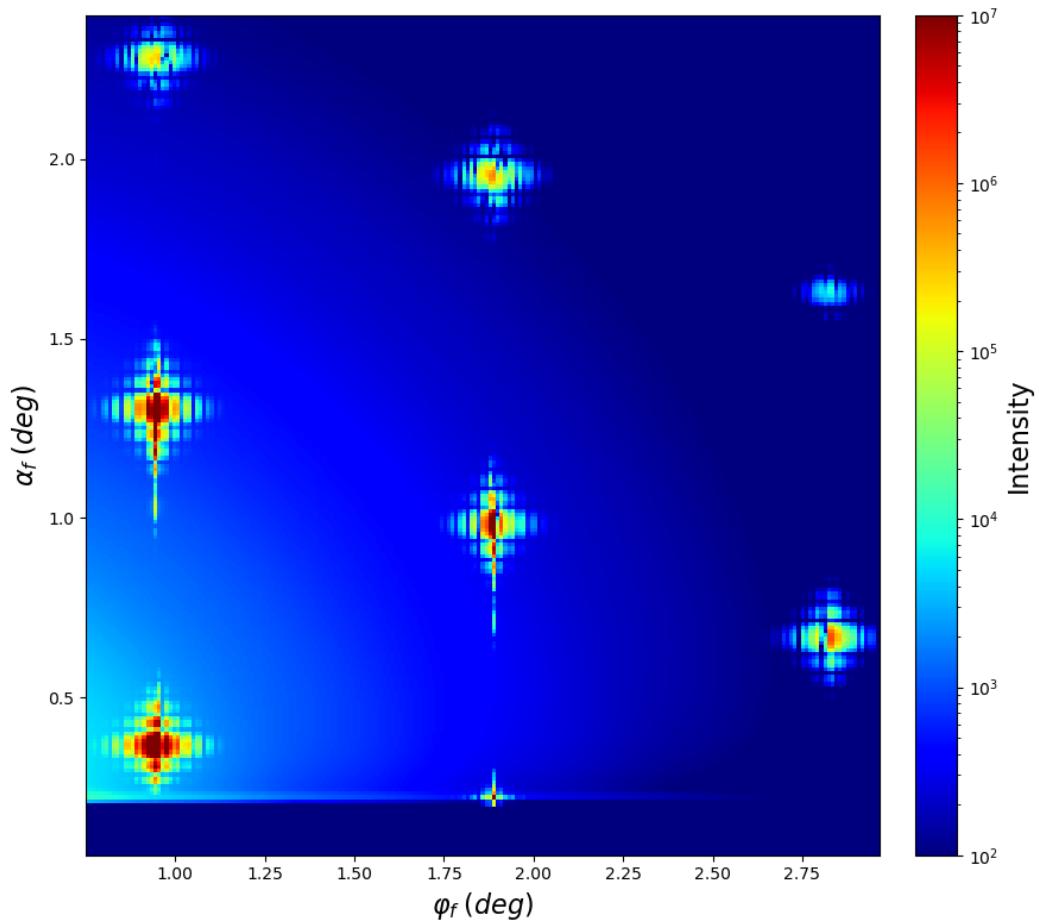
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 58.5  
}
```



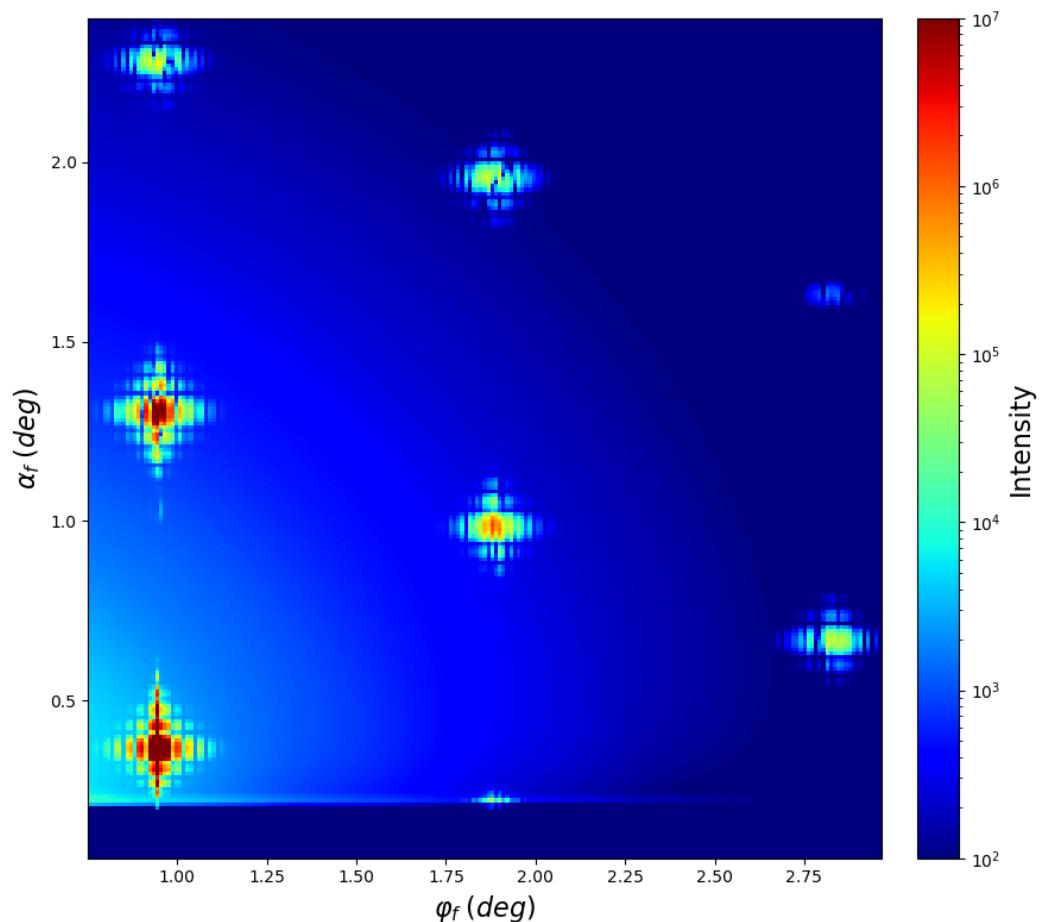
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 59.0  
}
```



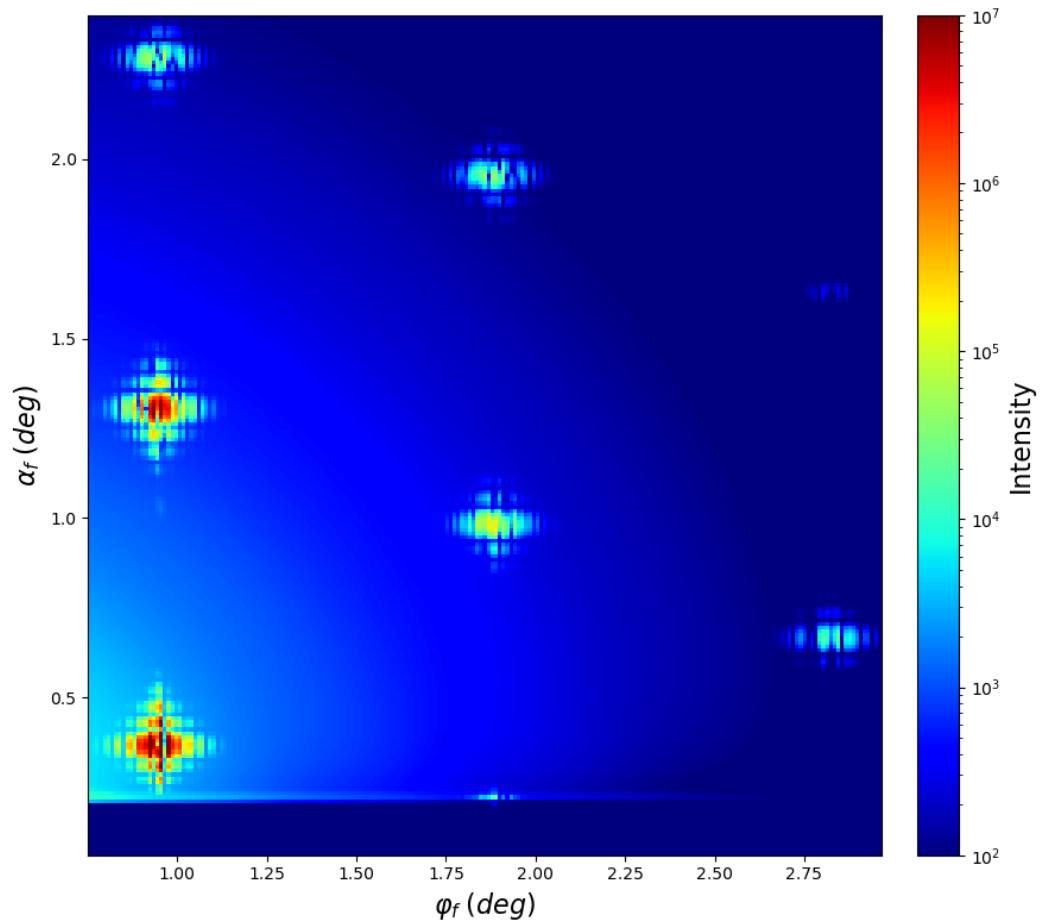
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 59.5  
}
```



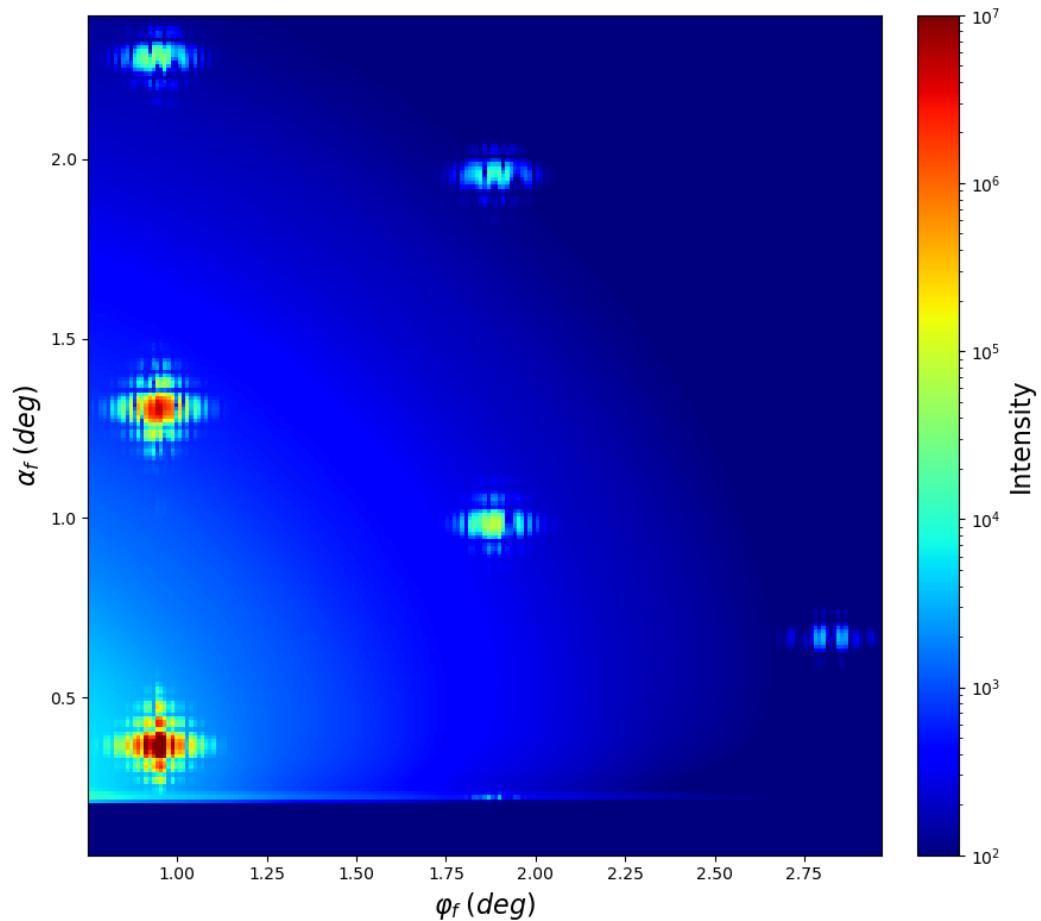
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 60.0  
}
```



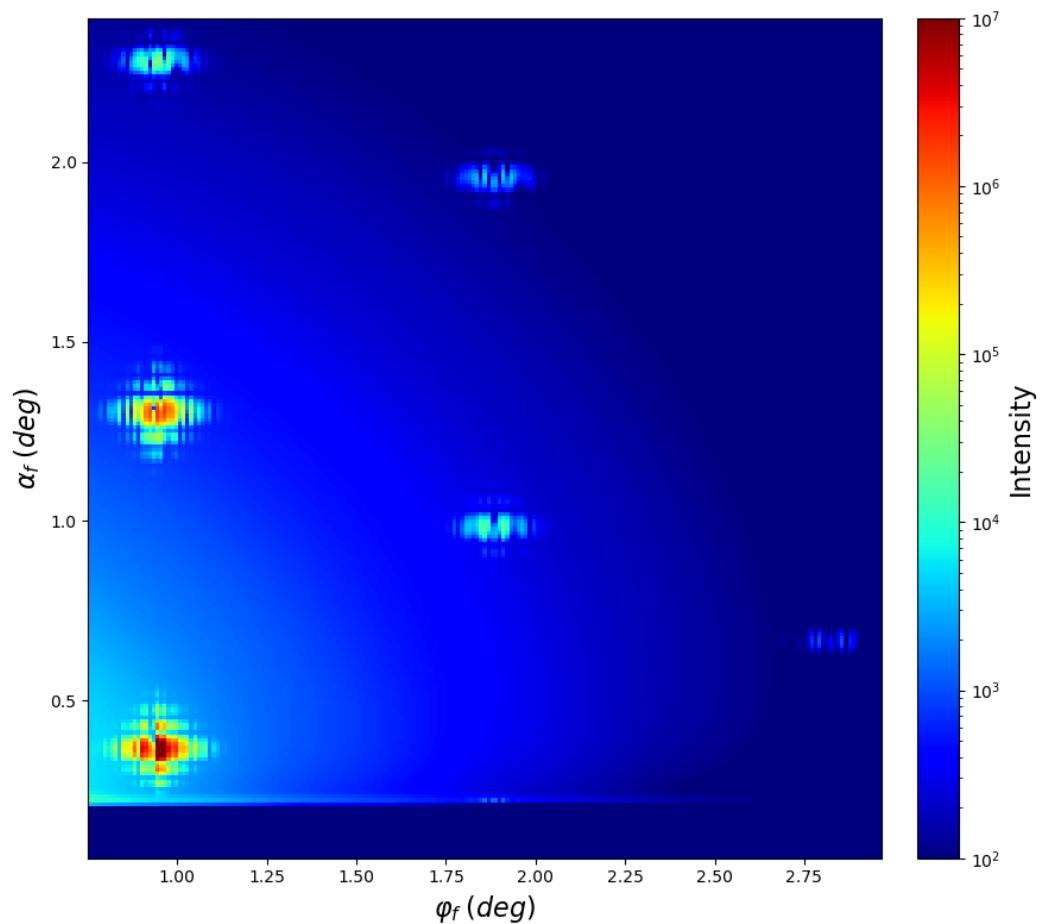
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 60.5  
}
```



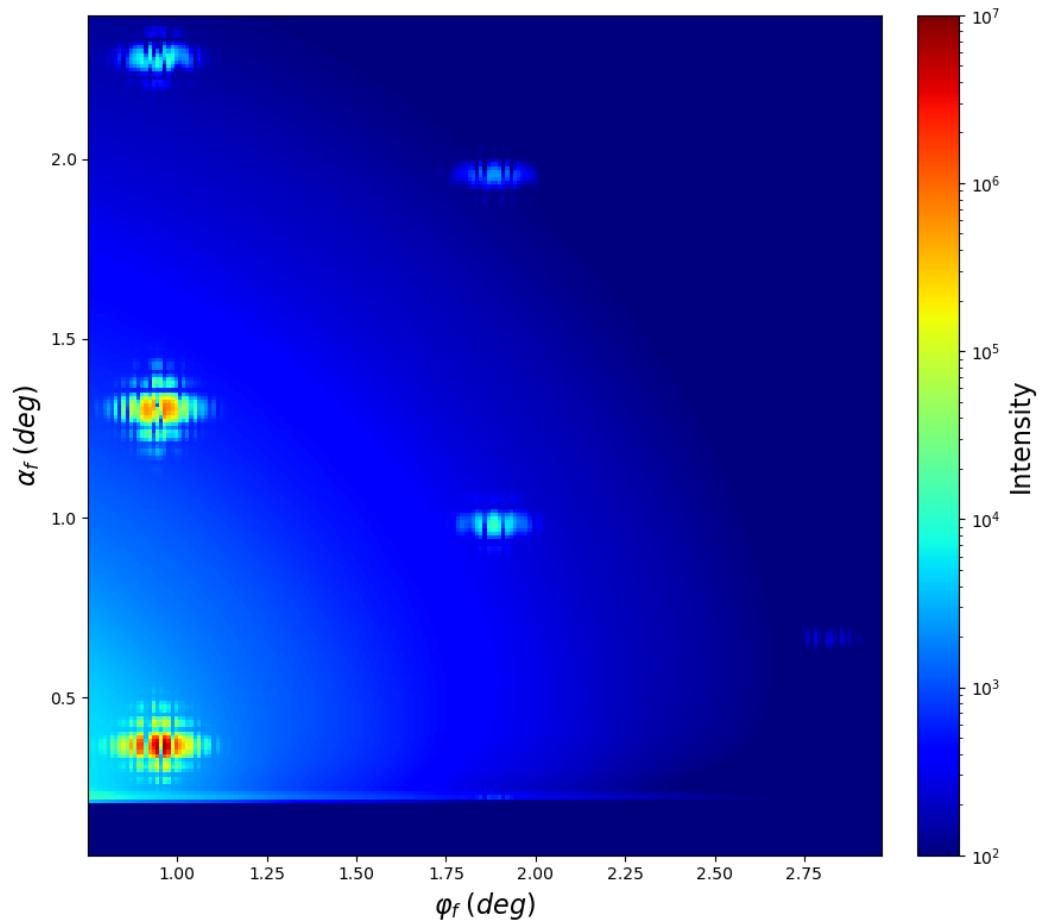
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 61.0  
}
```



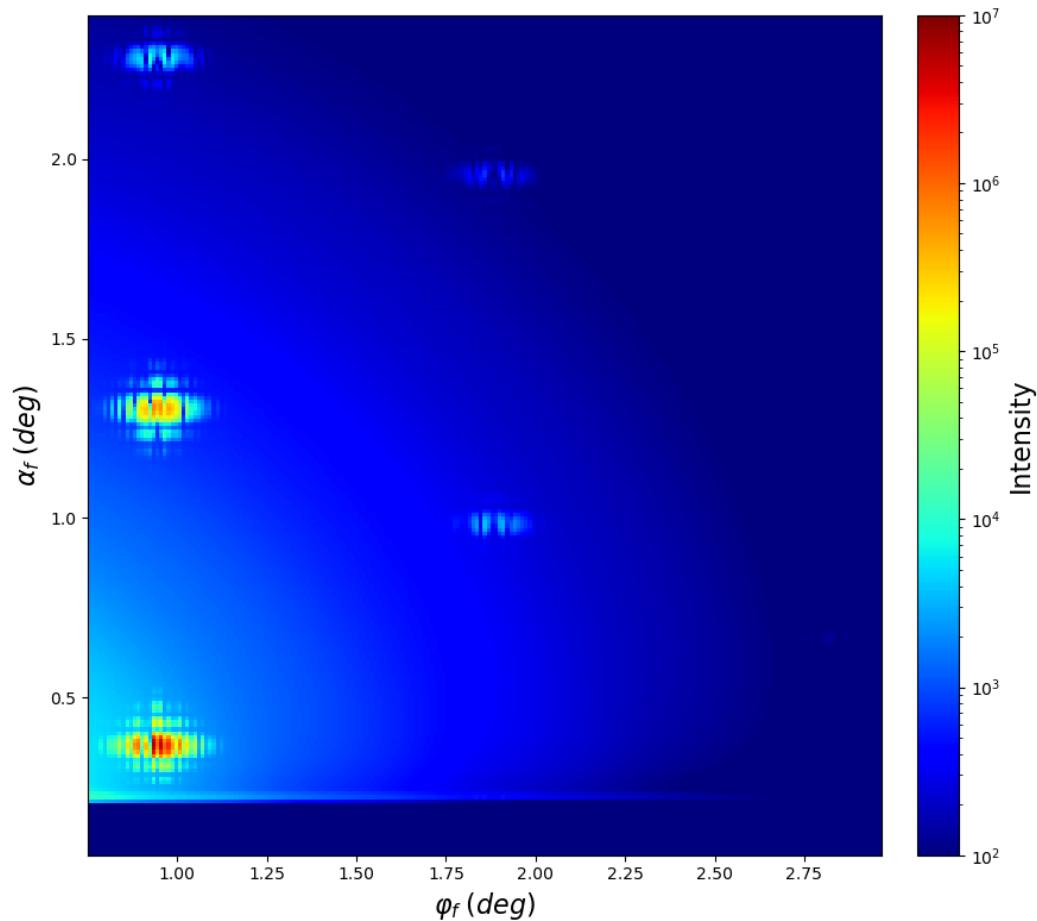
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 61.5  
}
```



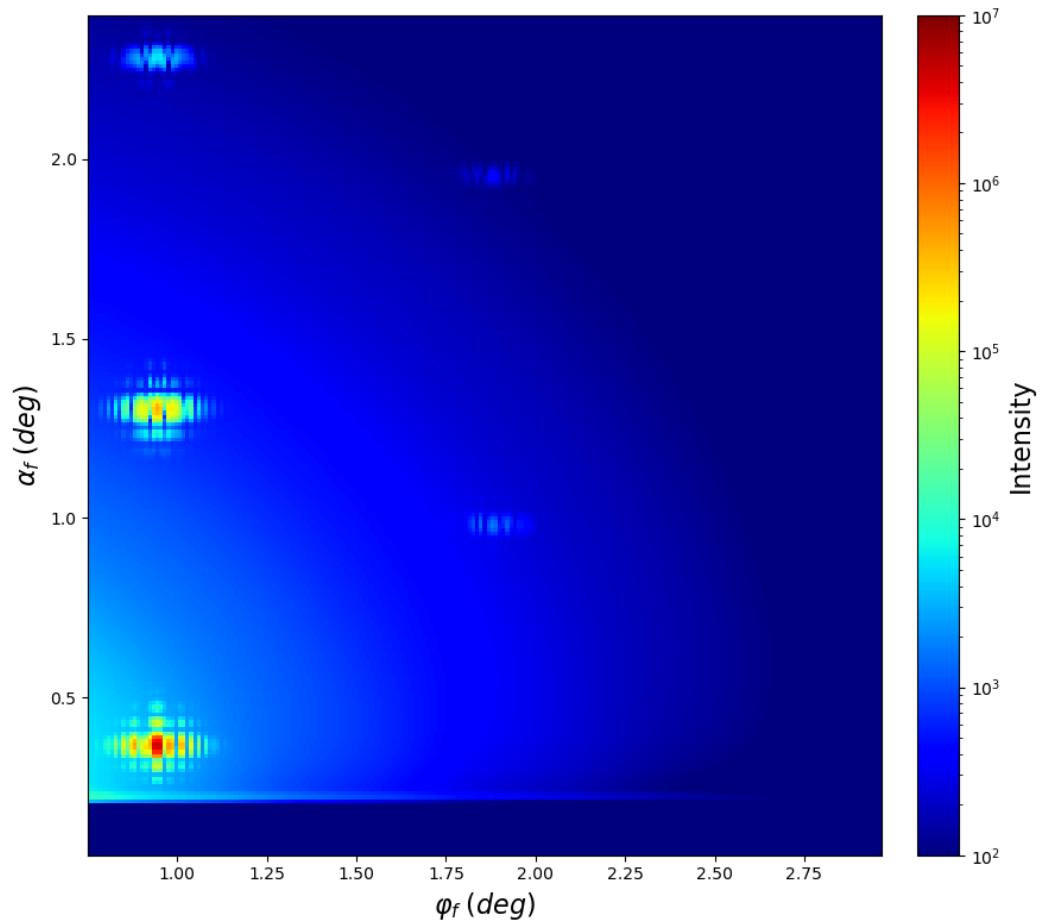
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 62.0  
}
```



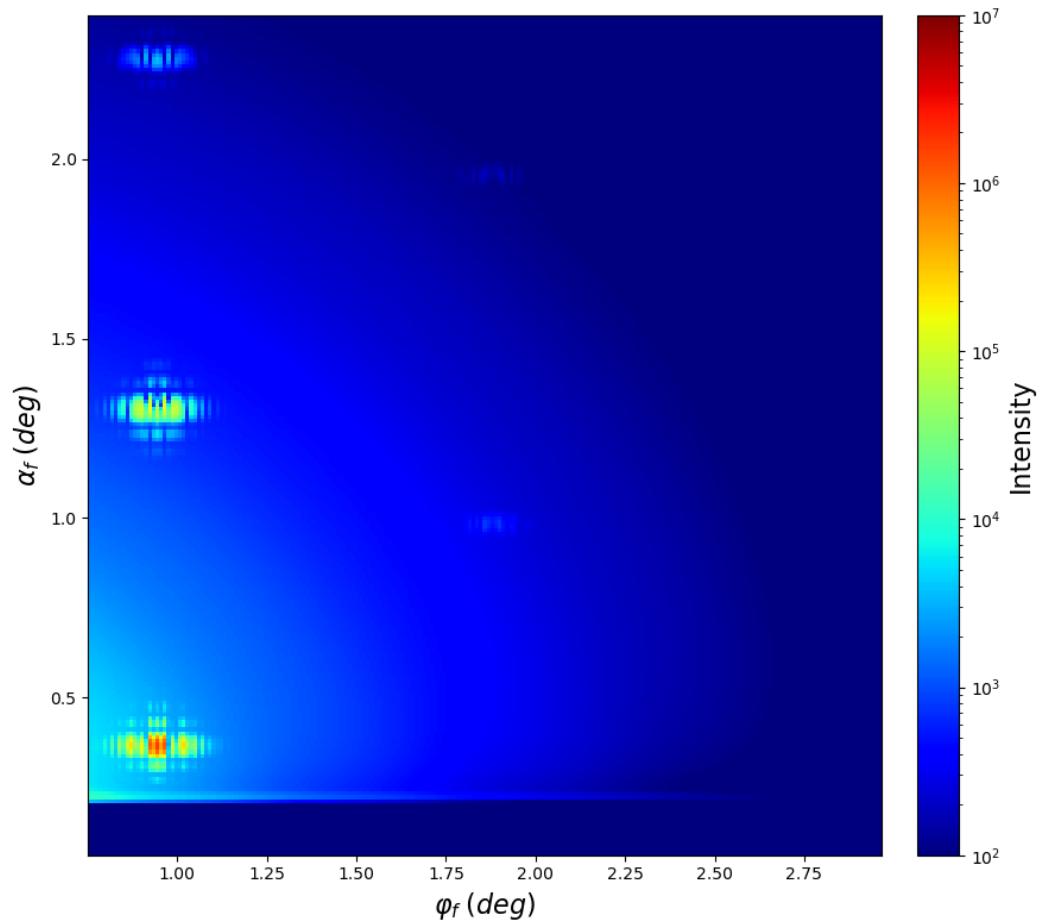
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 62.5  
}
```



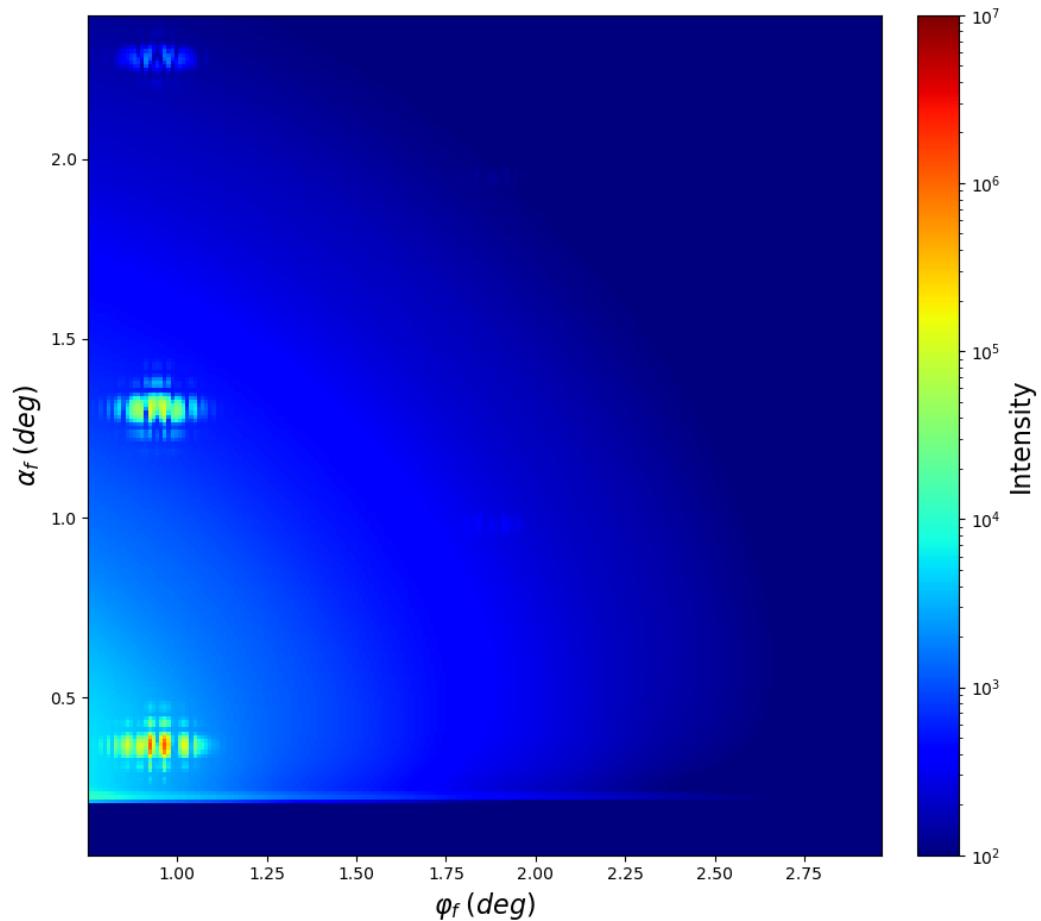
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 63.0  
}
```



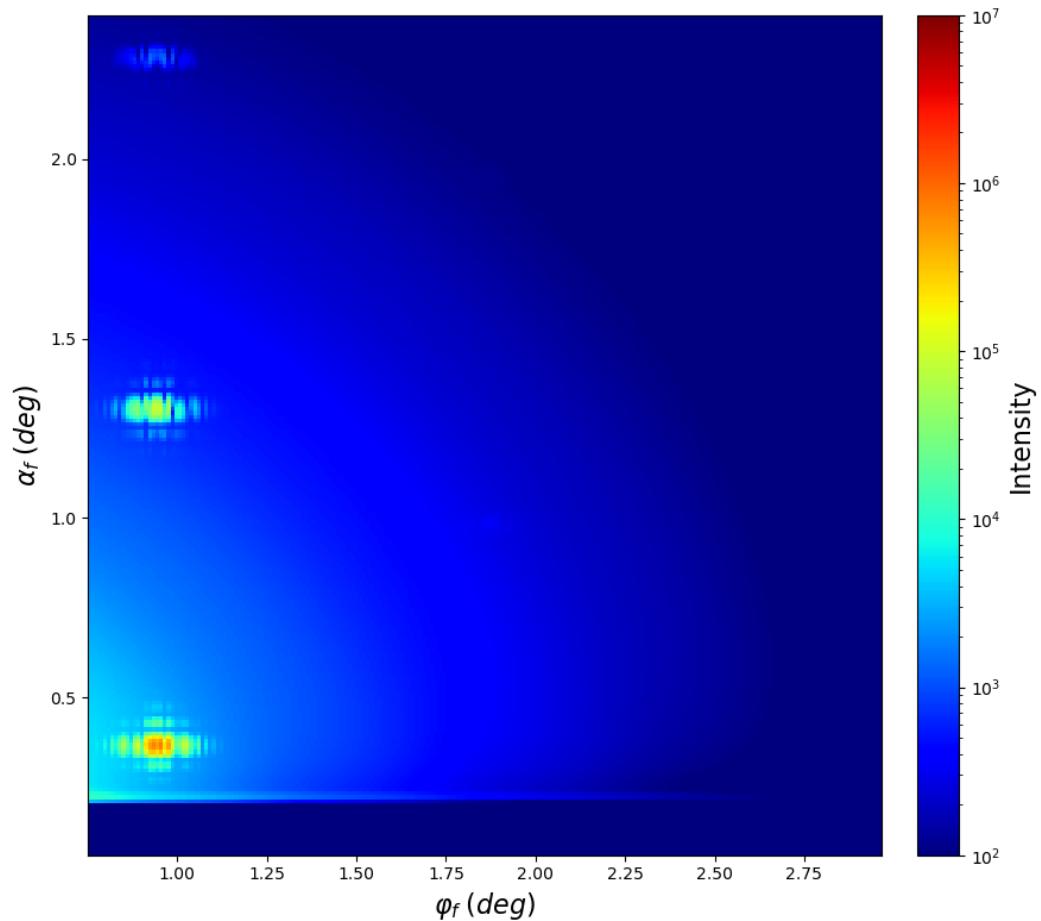
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 63.5  
}
```



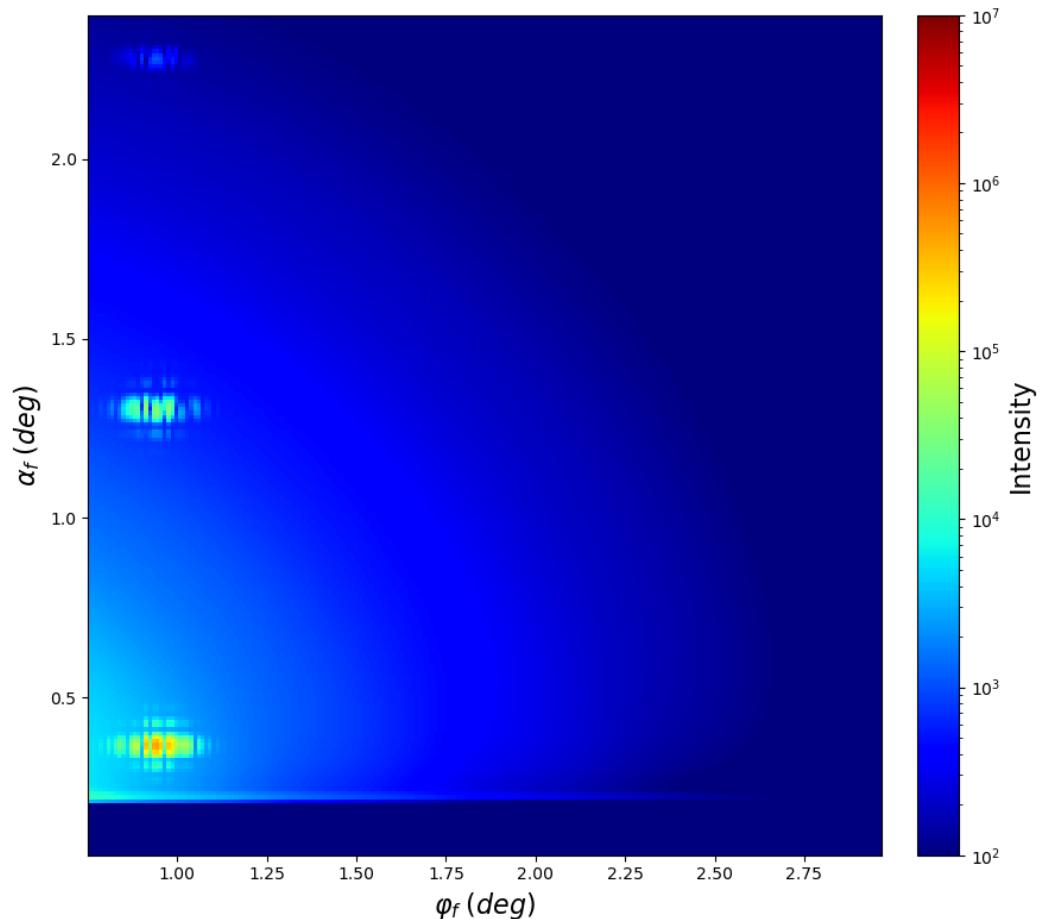
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 64.0  
}
```



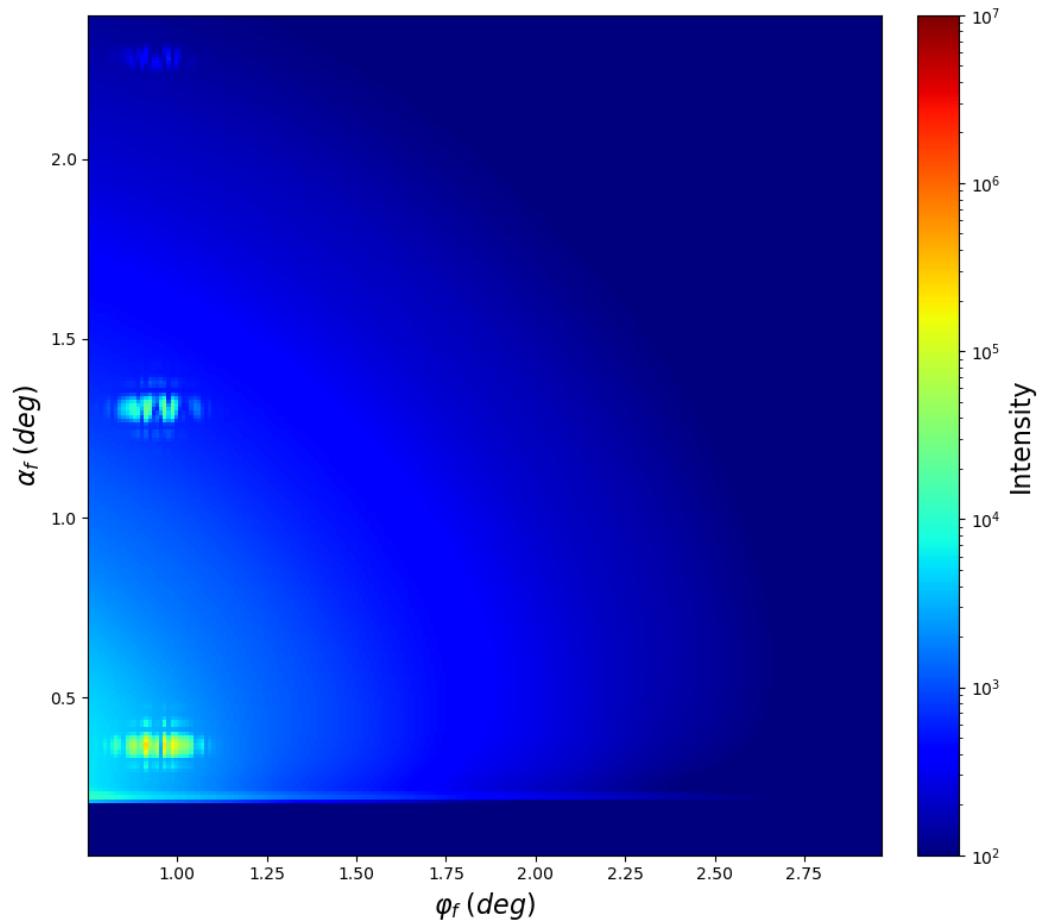
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 64.5  
}
```



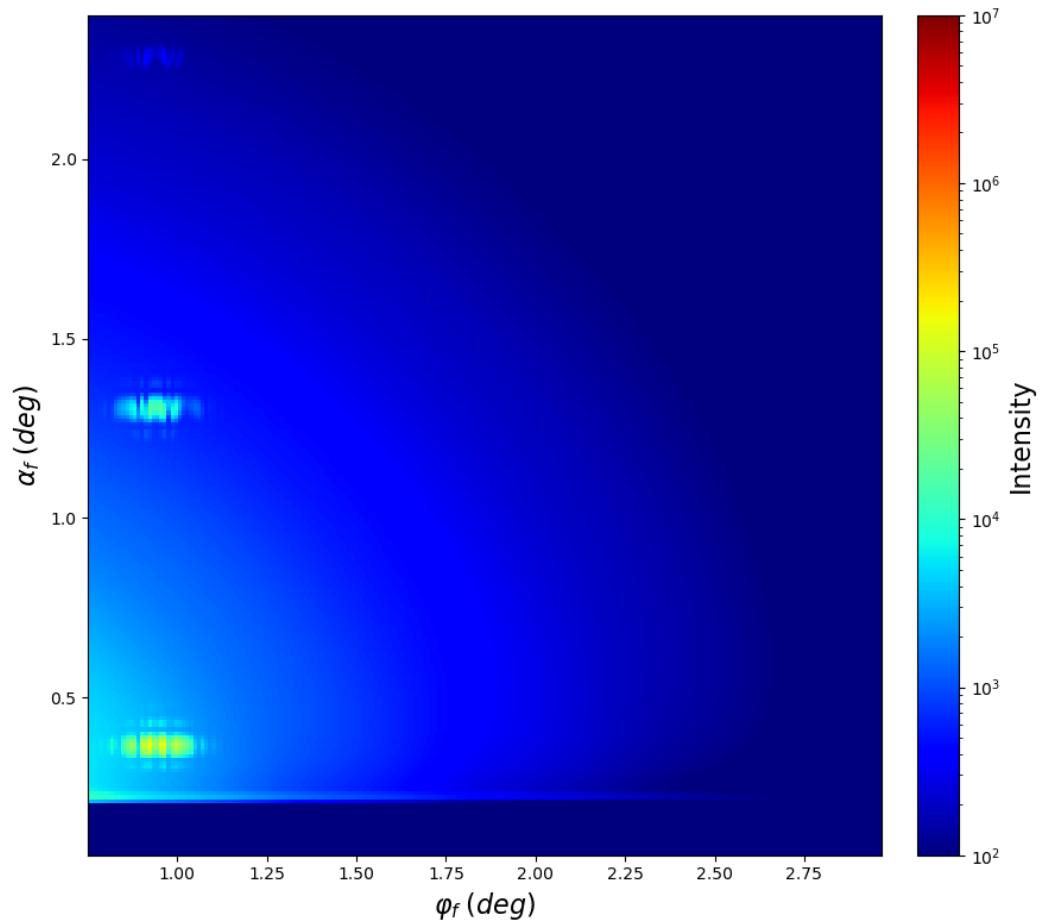
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 65.0  
}
```



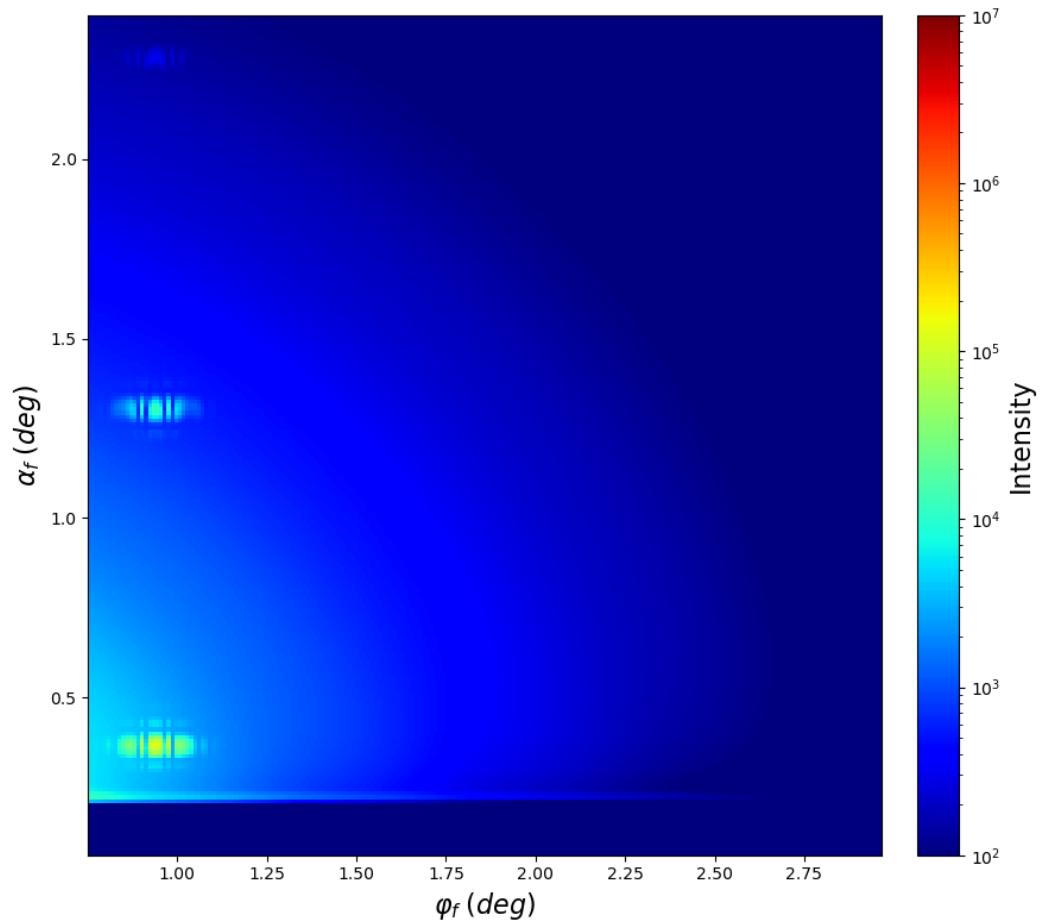
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 65.5  
}
```



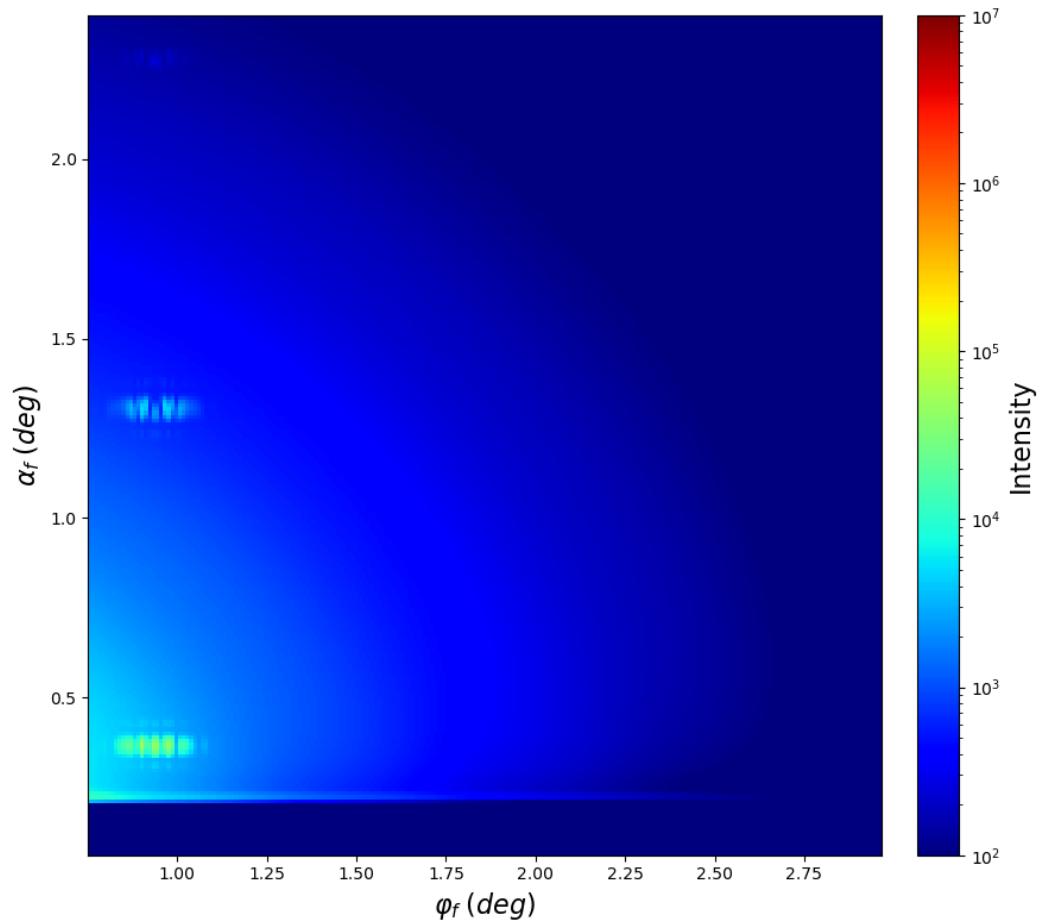
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 66.0  
}
```



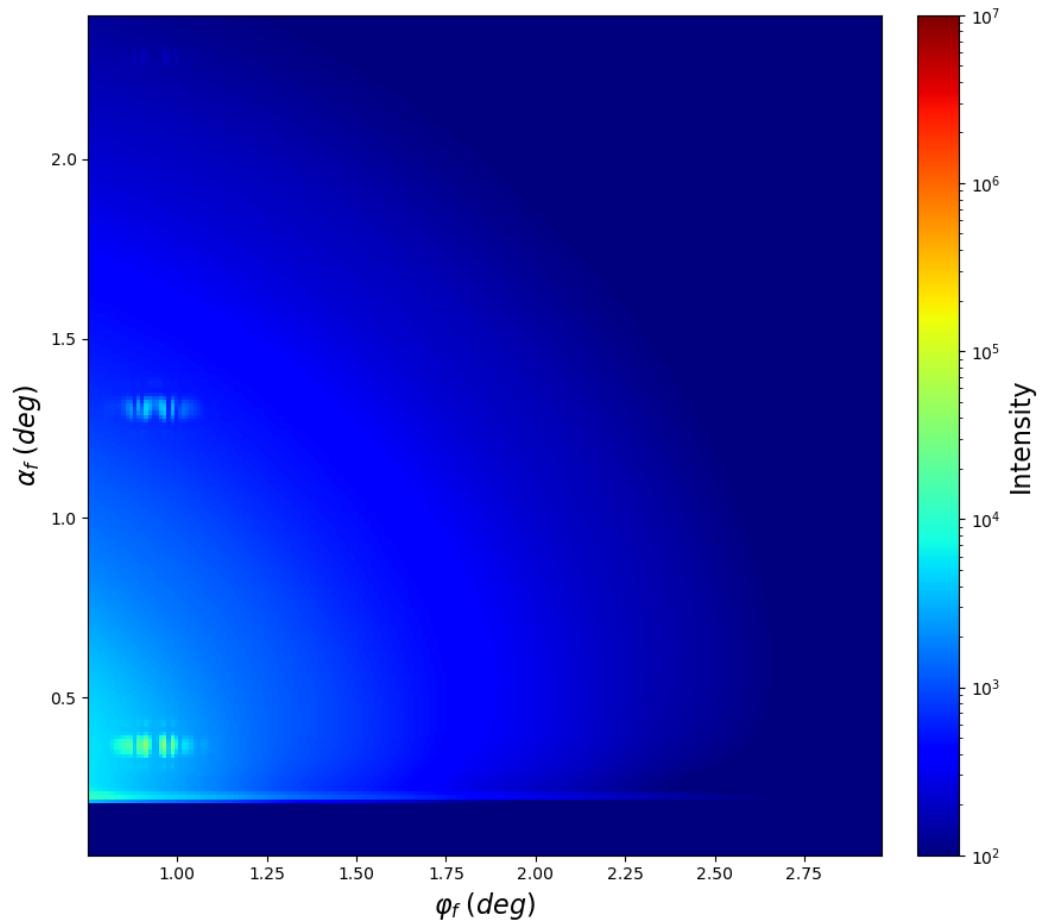
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 66.5  
}
```



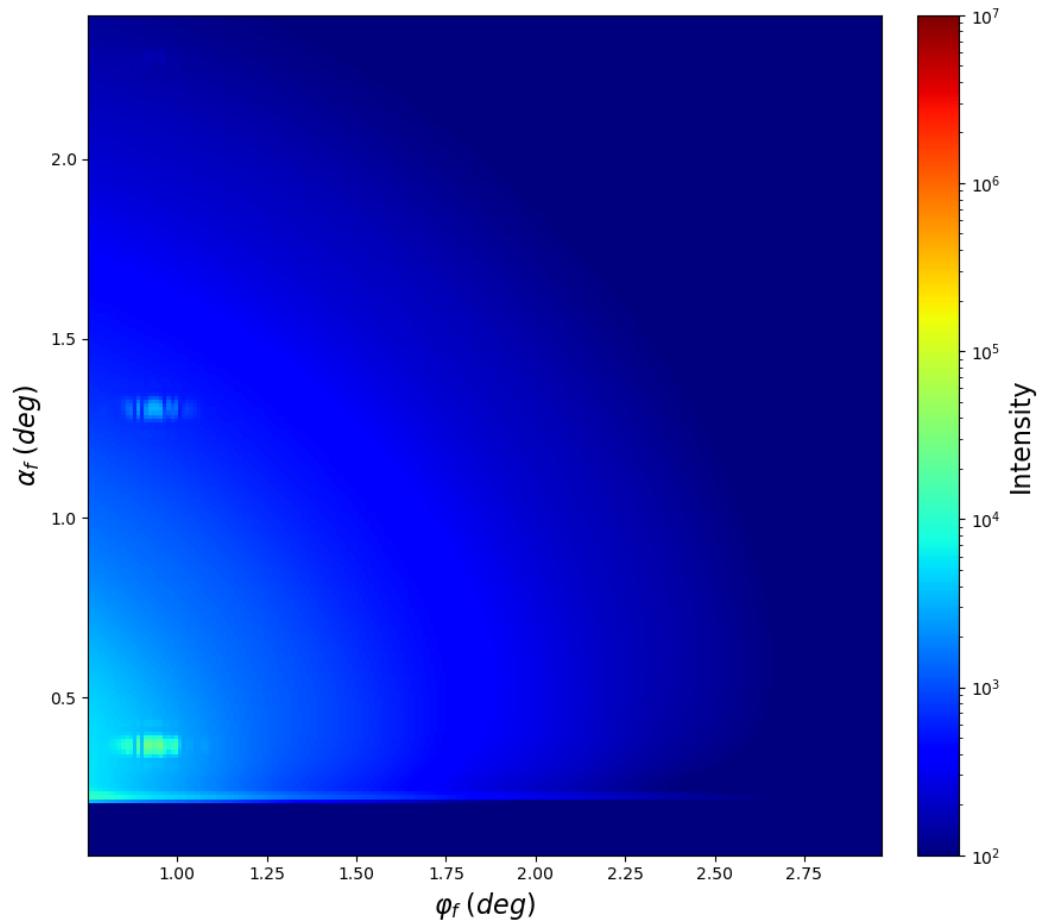
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 67.0  
}
```



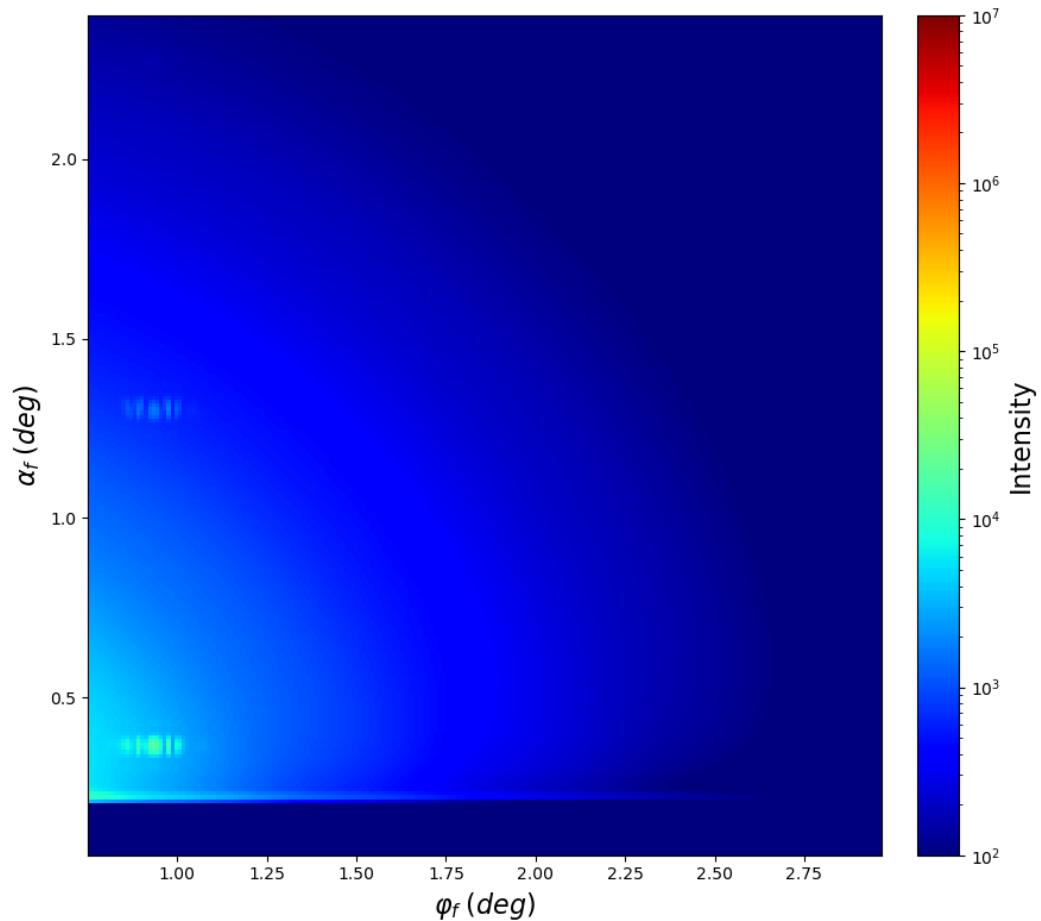
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 67.5  
}
```



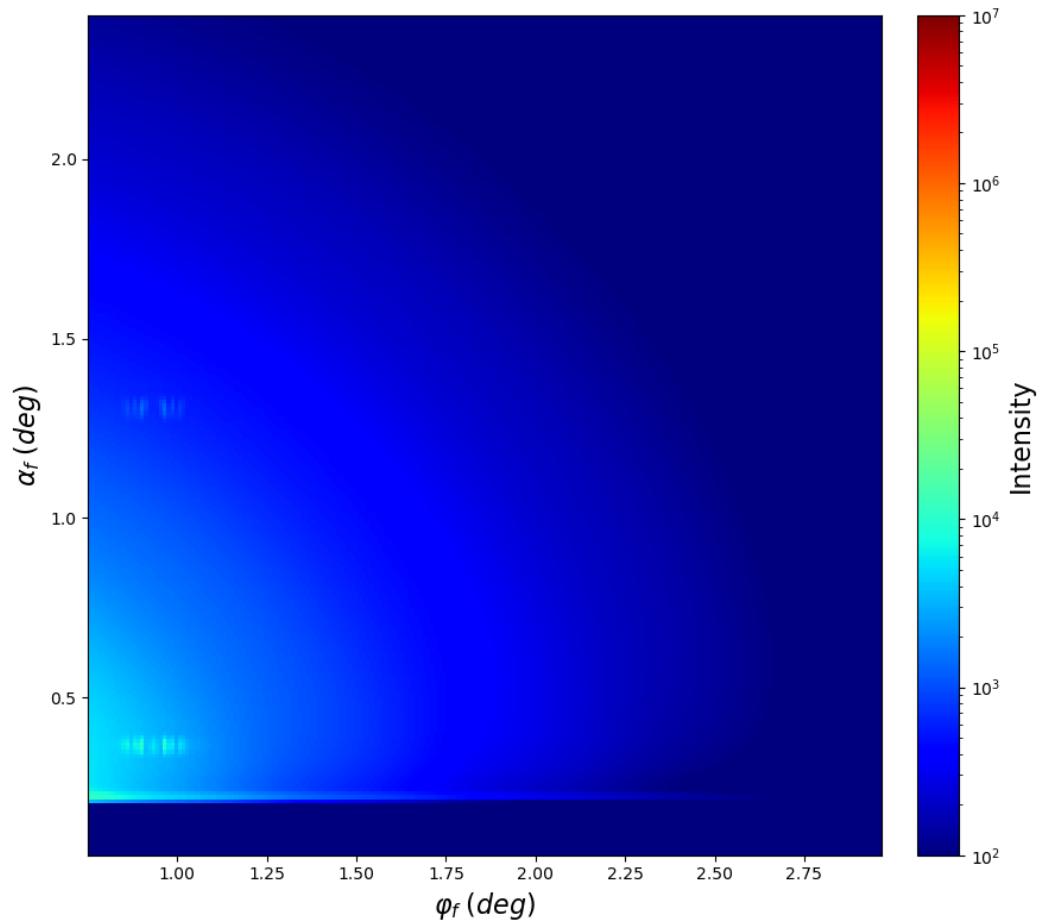
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 68.0  
}
```



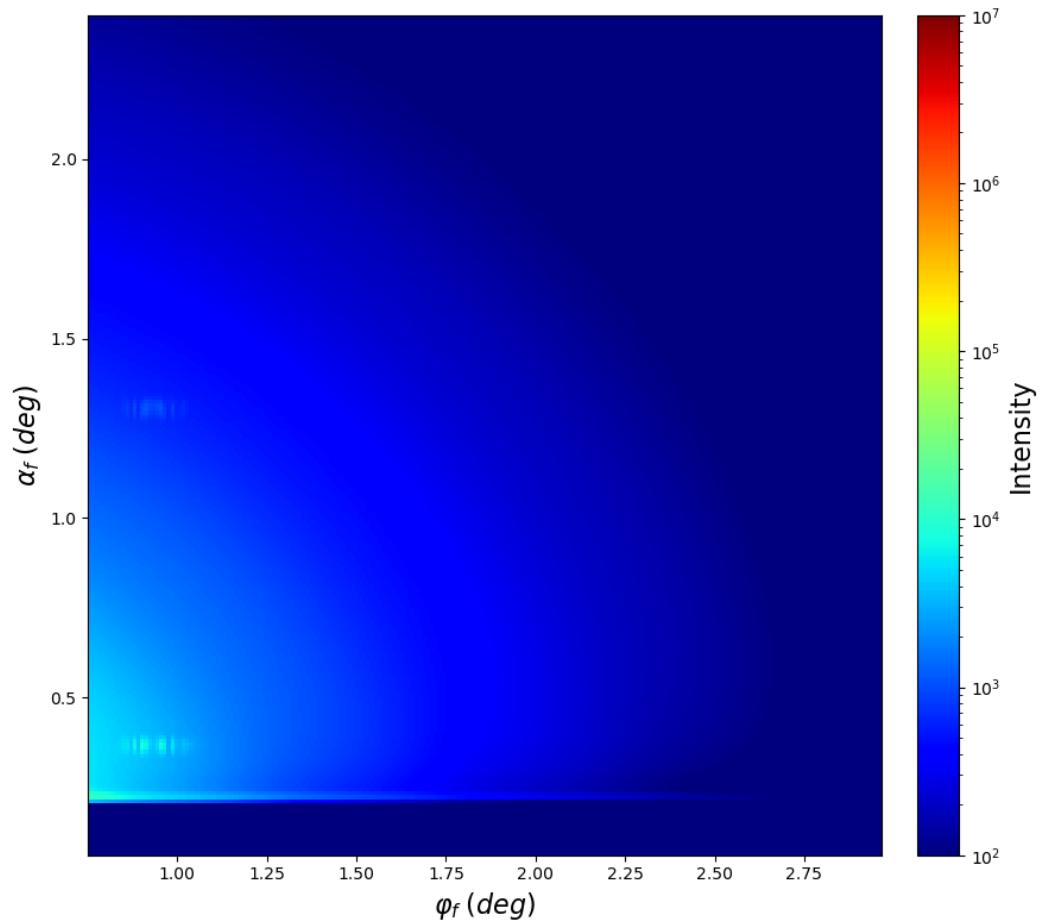
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 68.5  
}
```



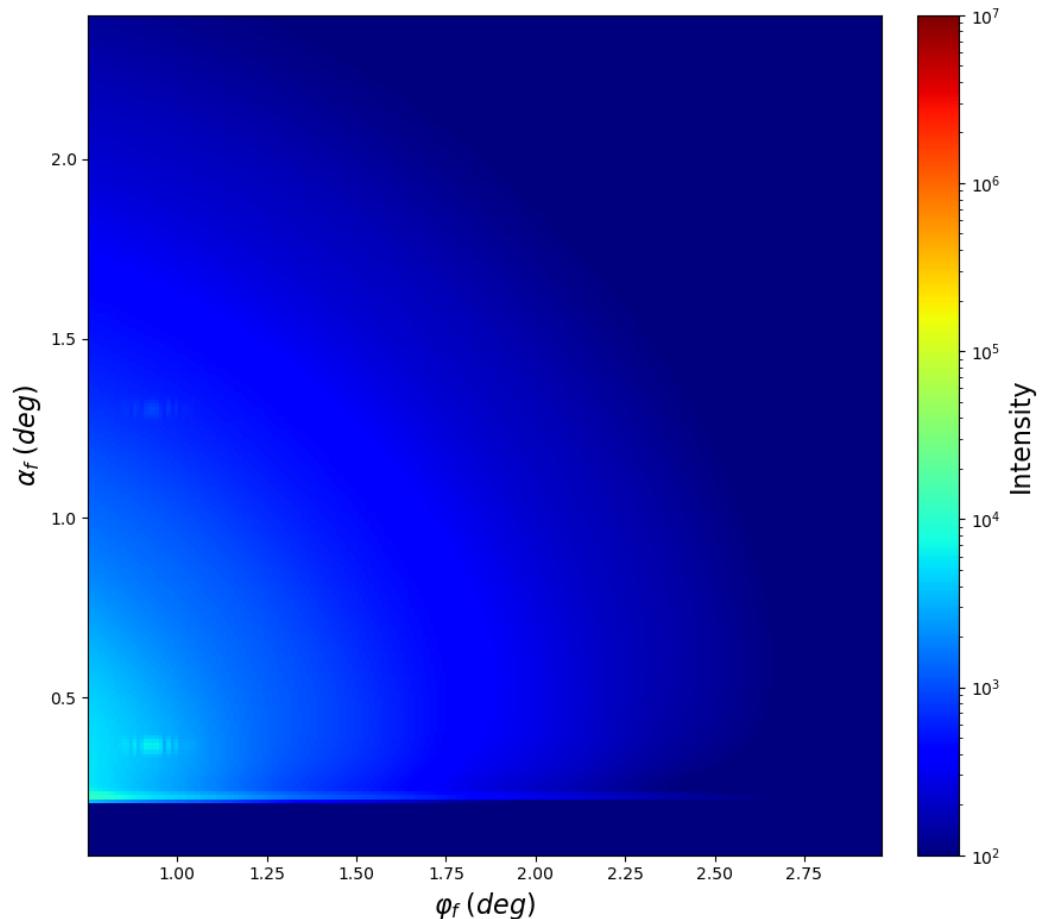
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 69.0  
}
```



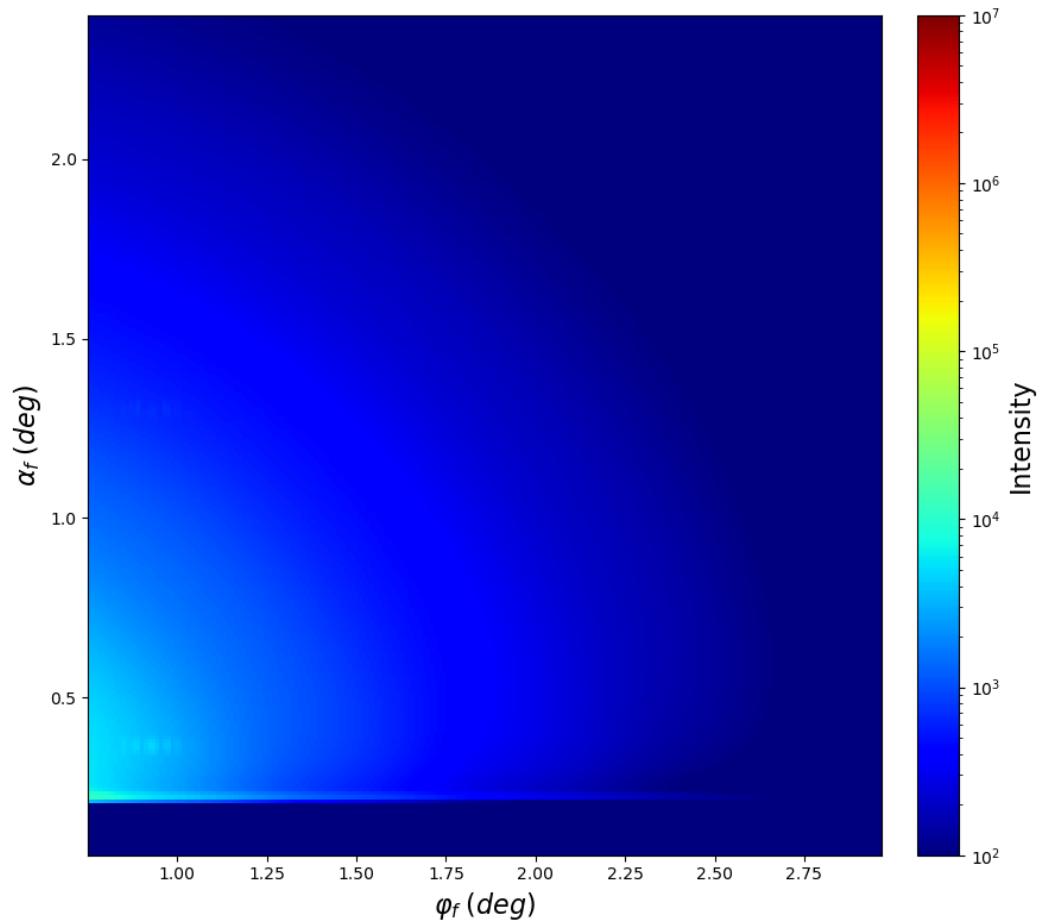
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 69.5  
}
```



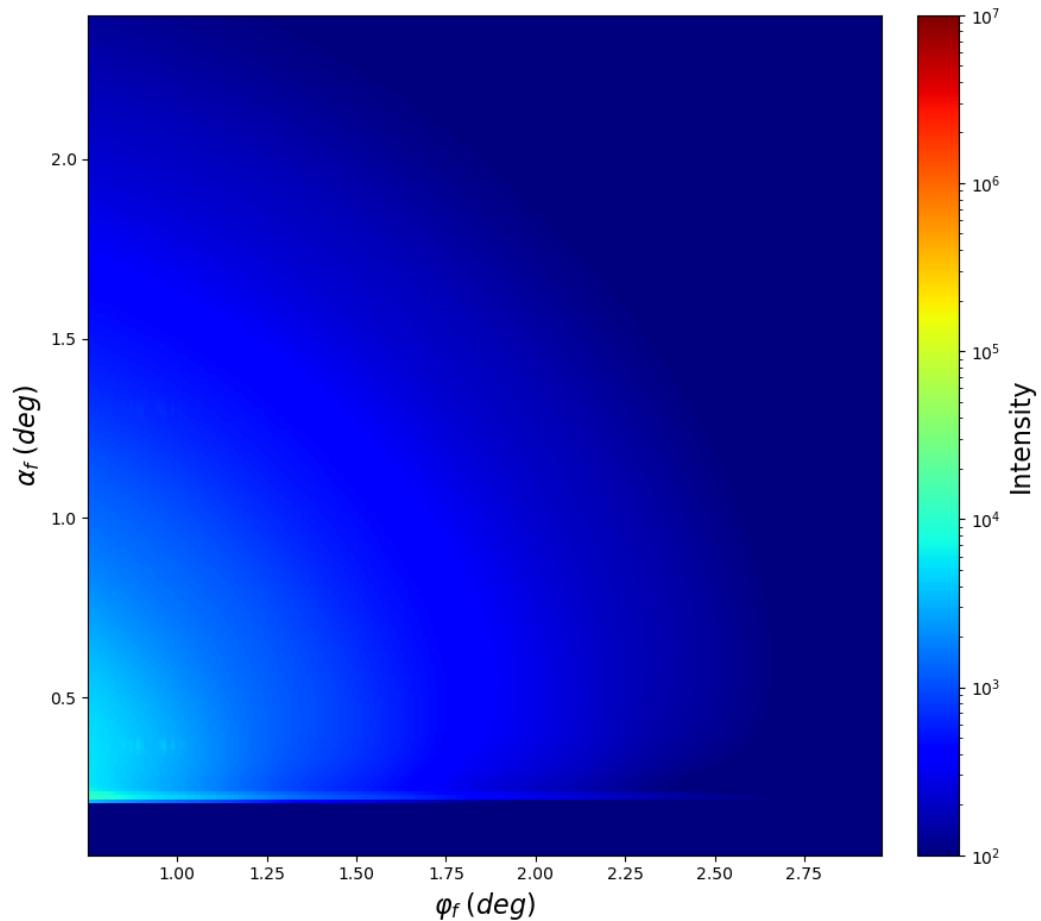
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 70.0  
}
```



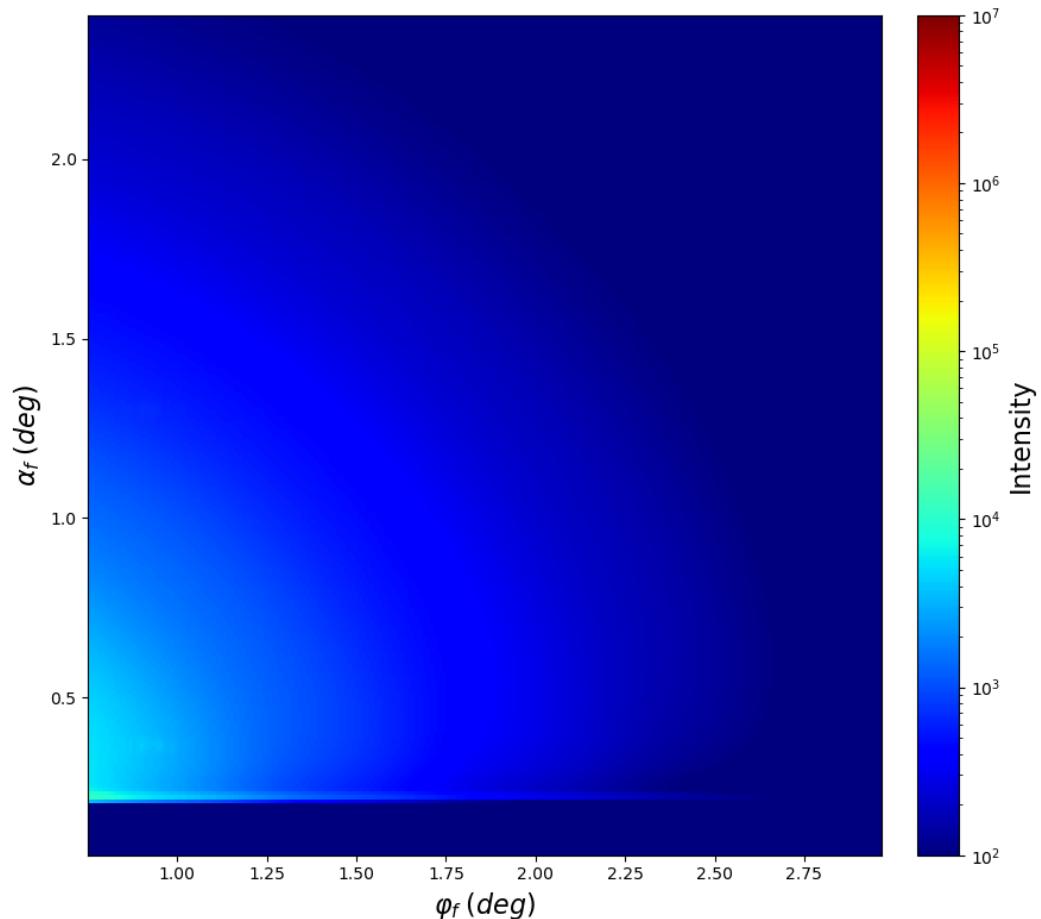
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 70.5  
}
```



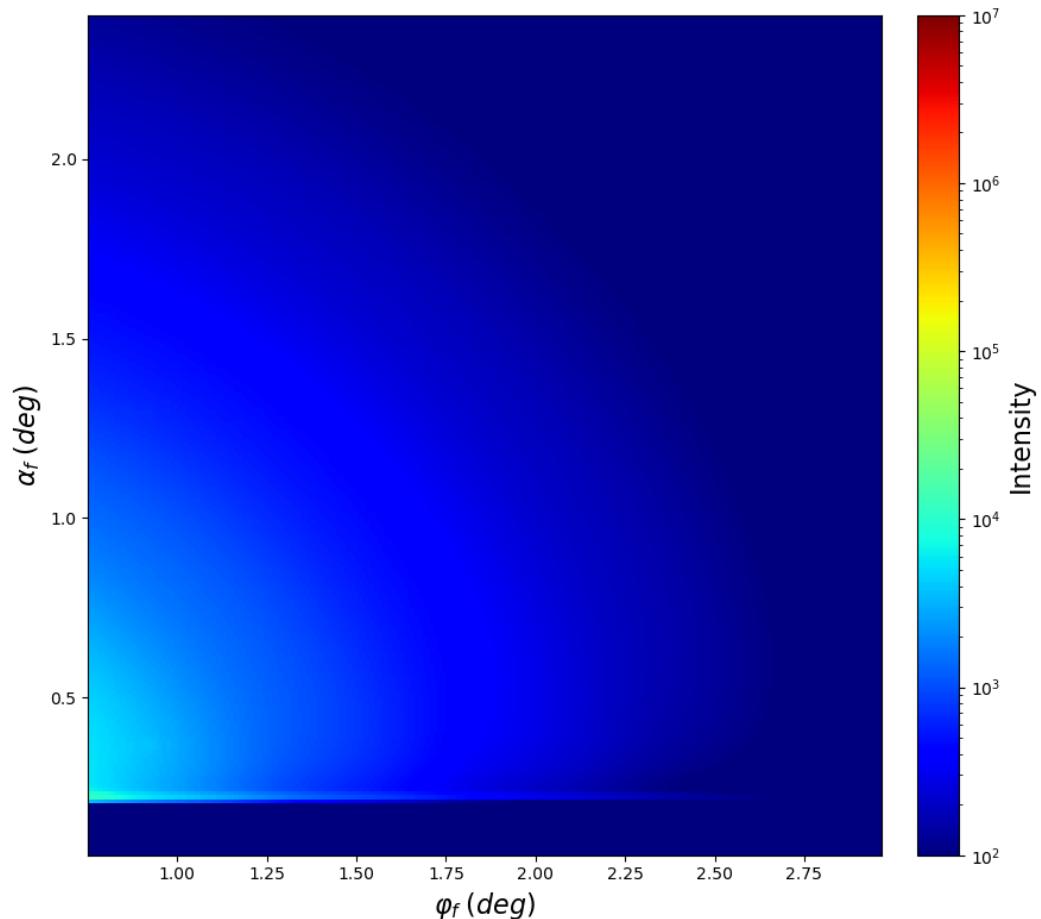
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 71.0  
}
```



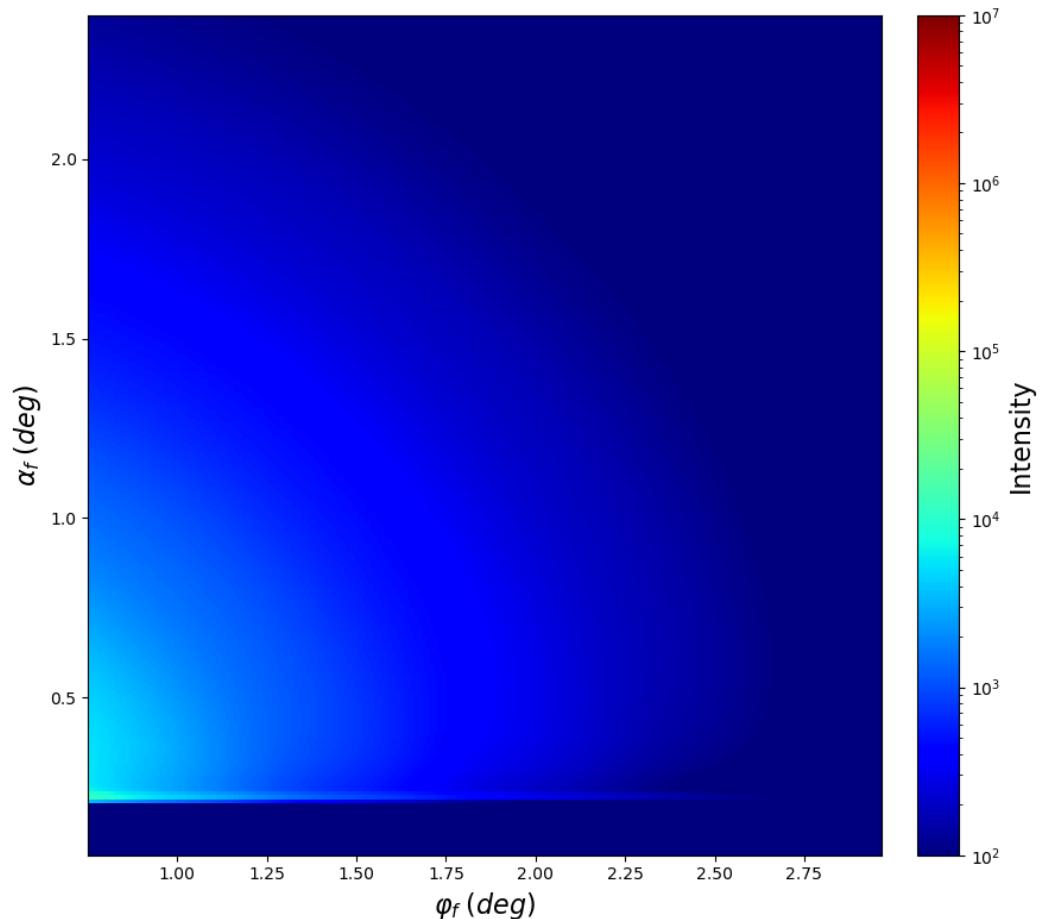
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 71.5  
}
```



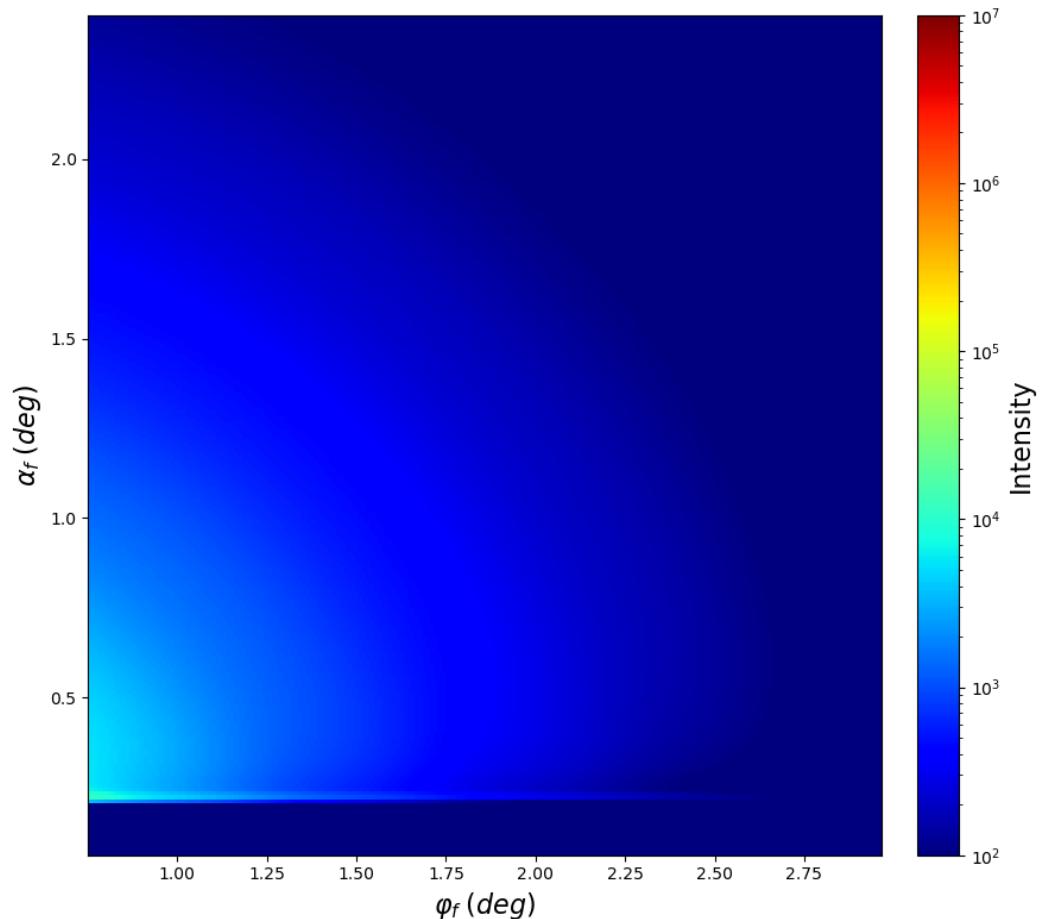
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 72.0  
}
```



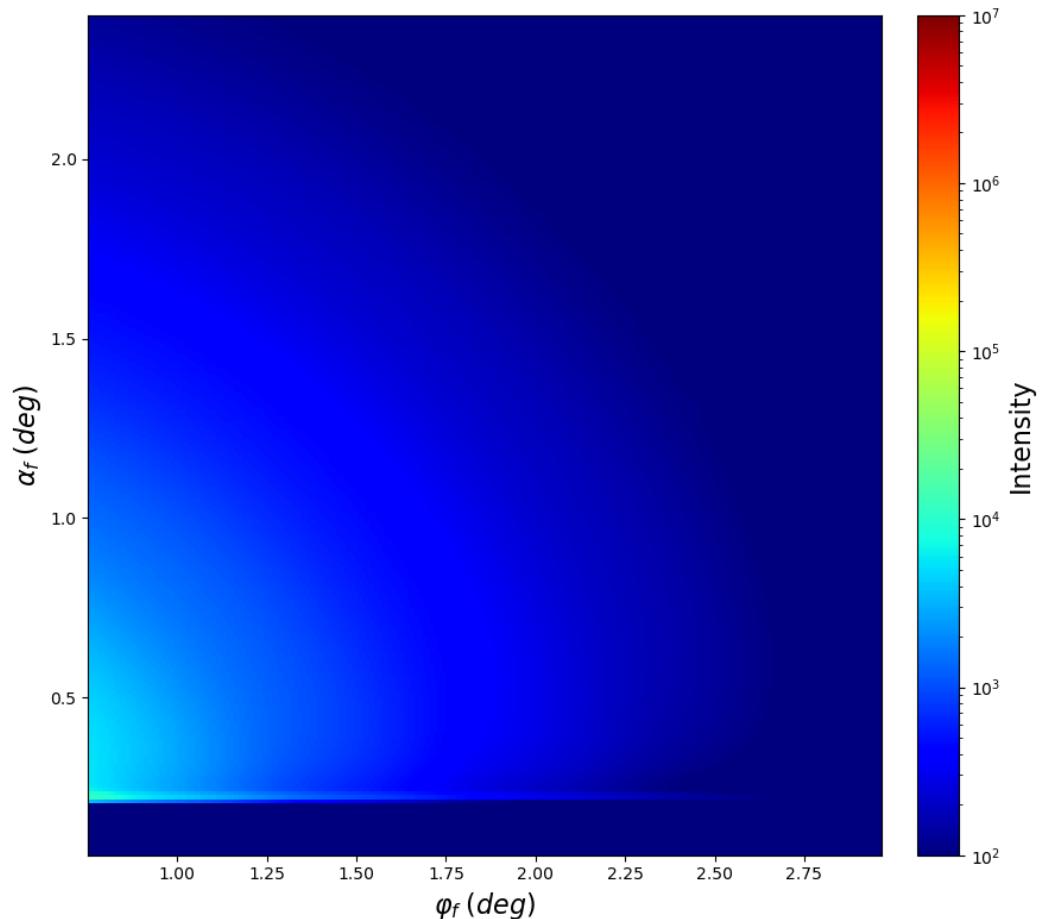
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 72.5  
}
```



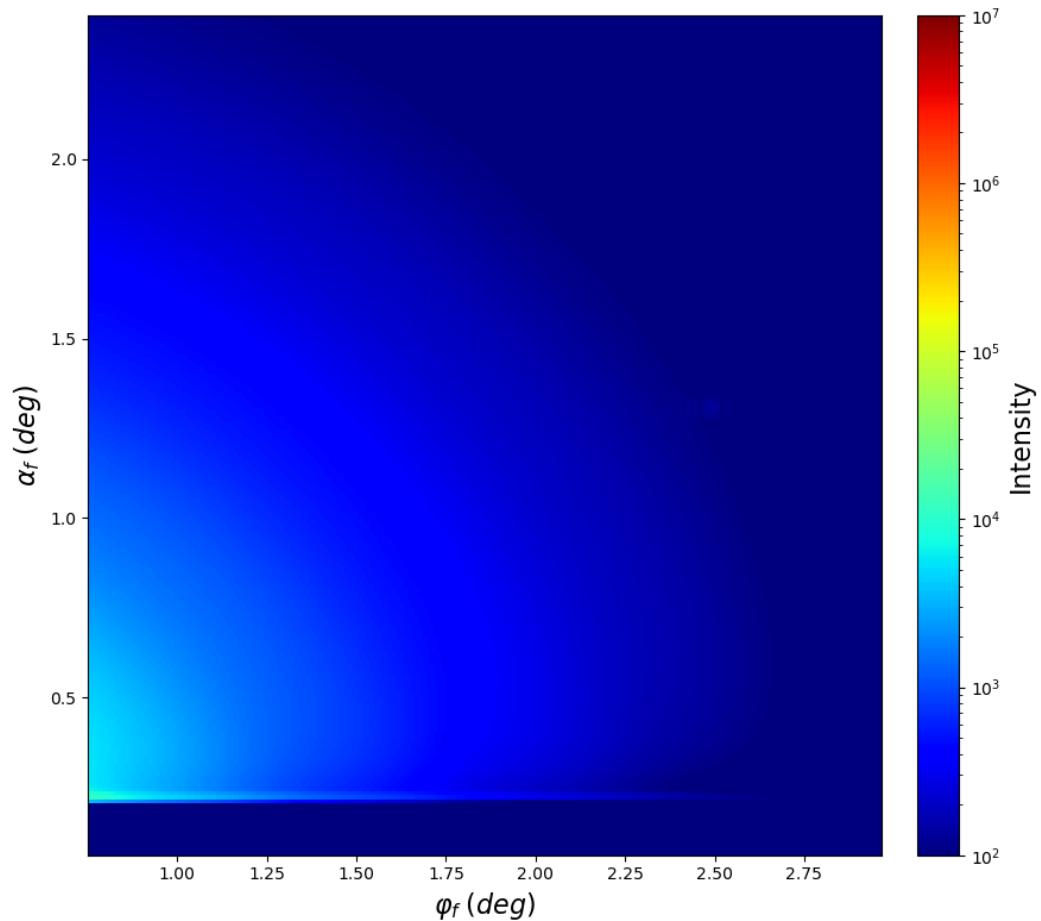
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 73.0  
}
```



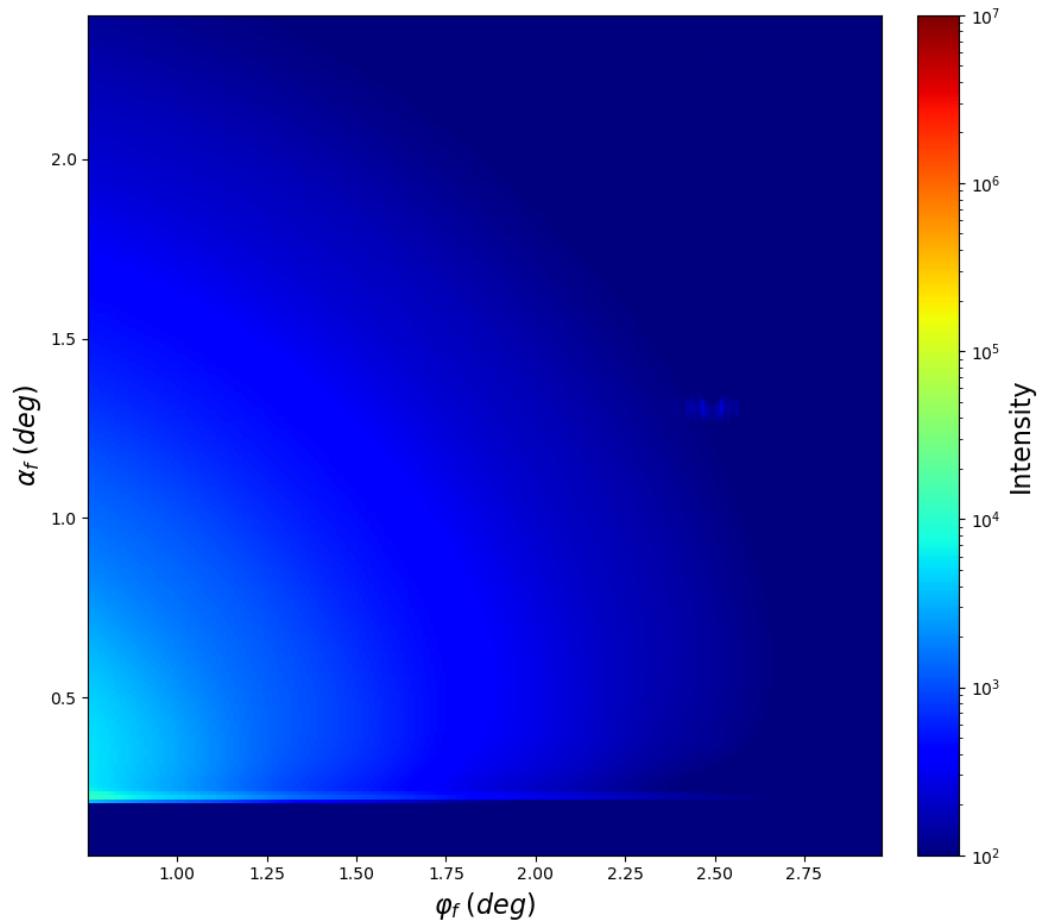
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 73.5  
}
```



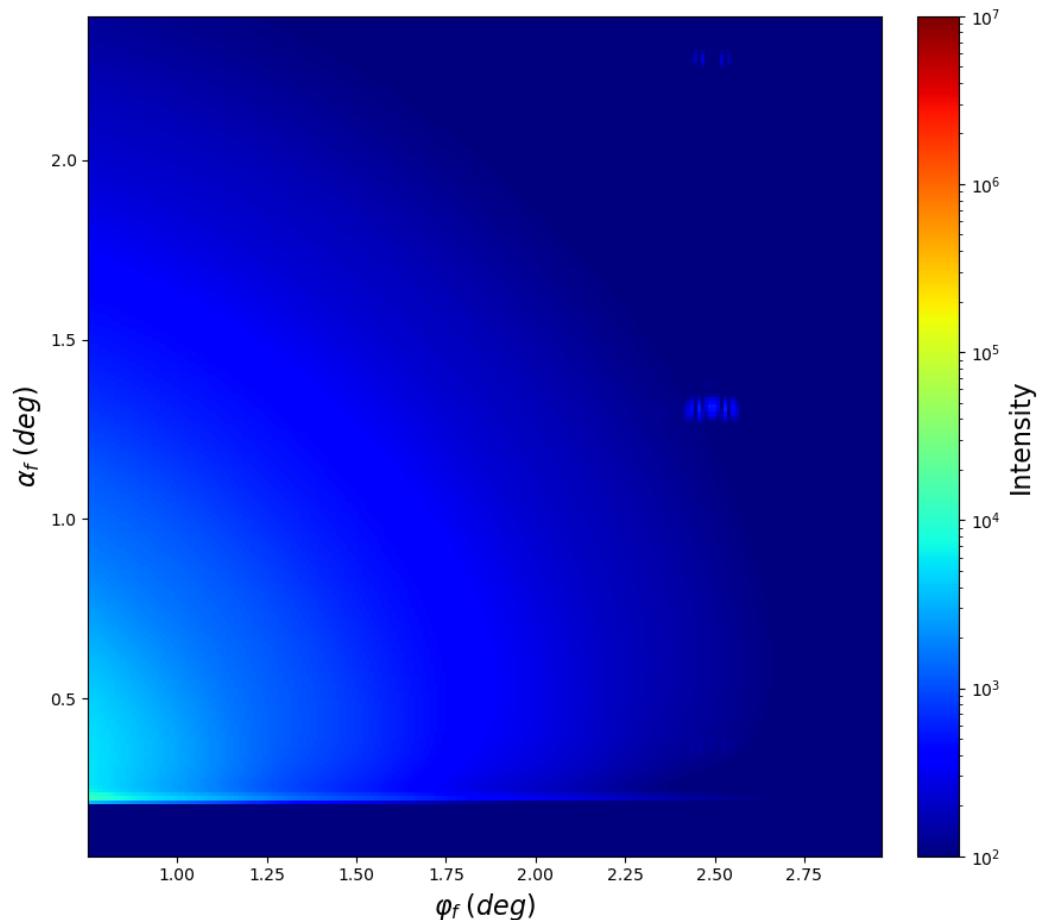
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 74.0  
}
```



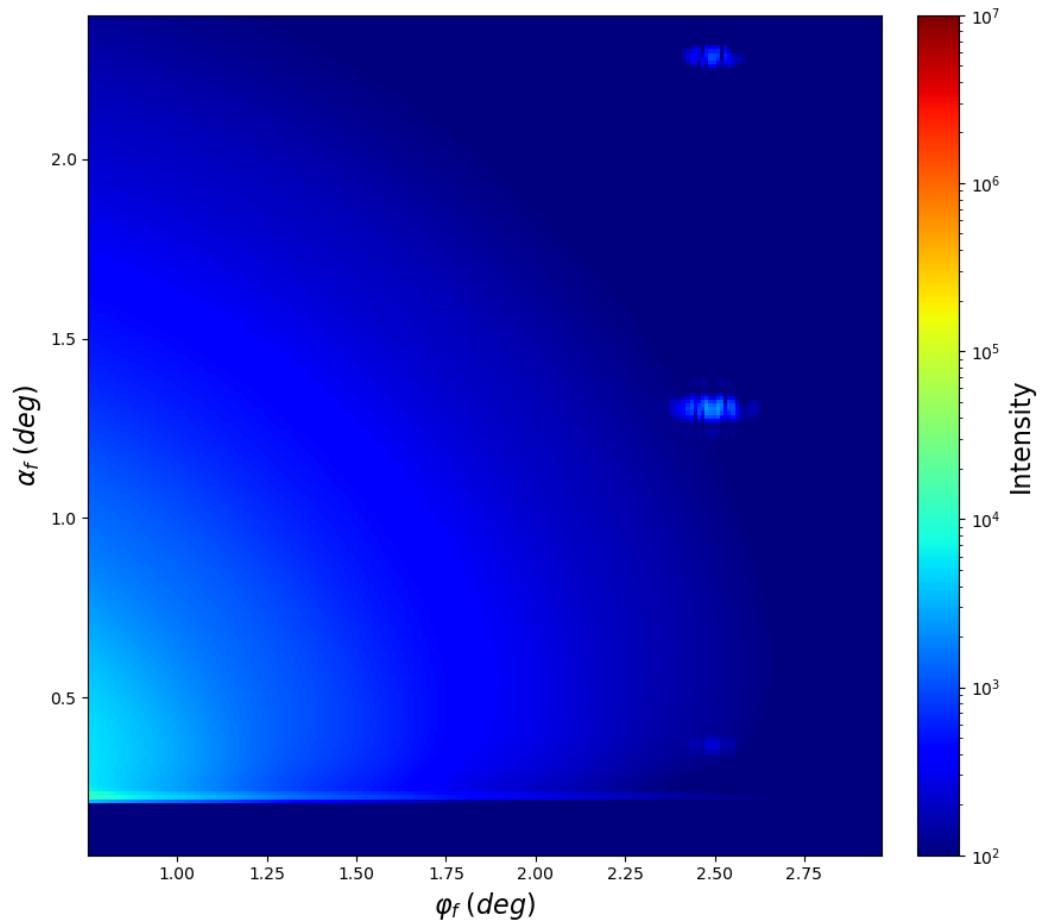
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 74.5  
}
```



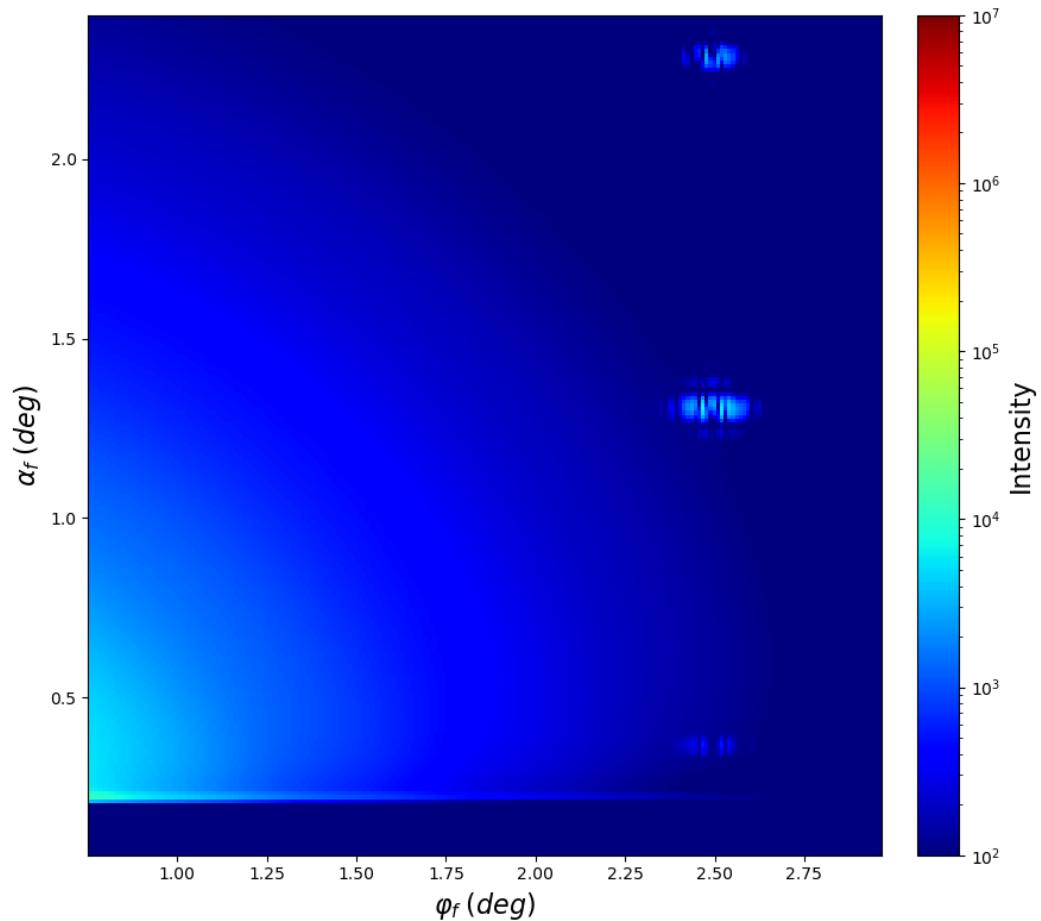
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 75.0  
}
```



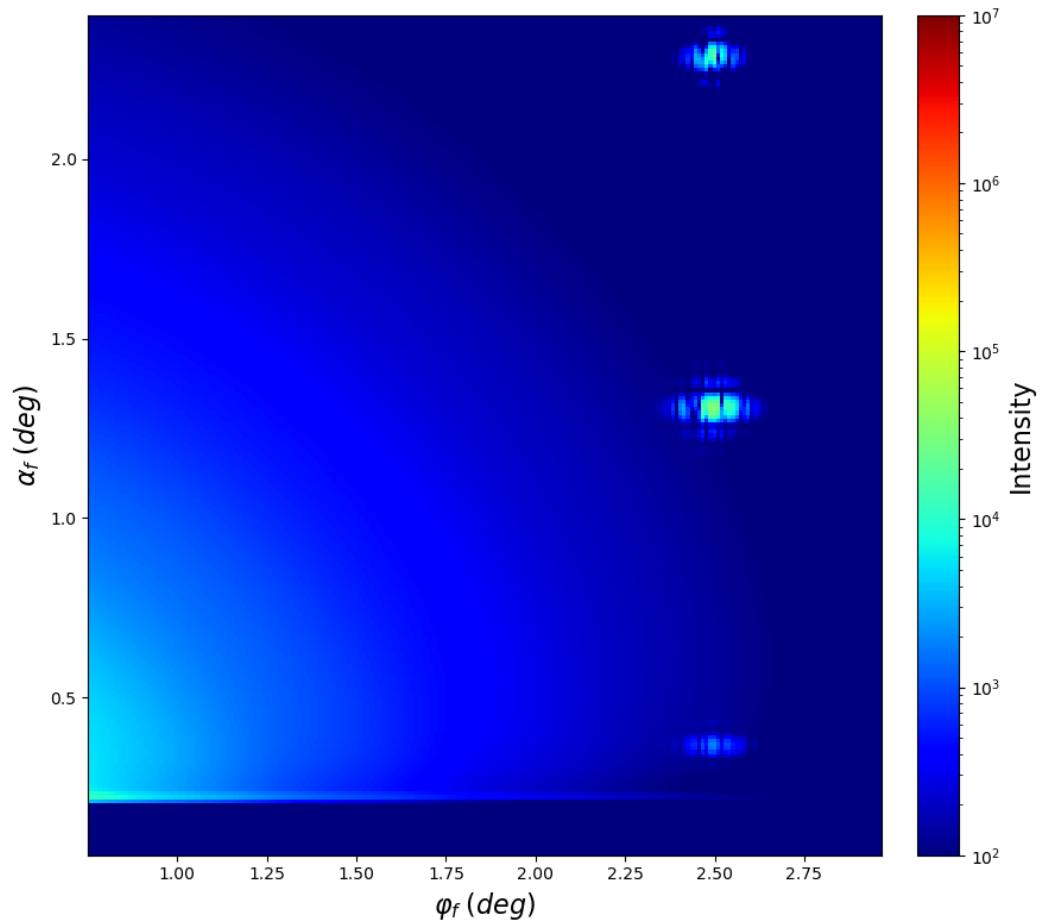
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 75.5  
}
```



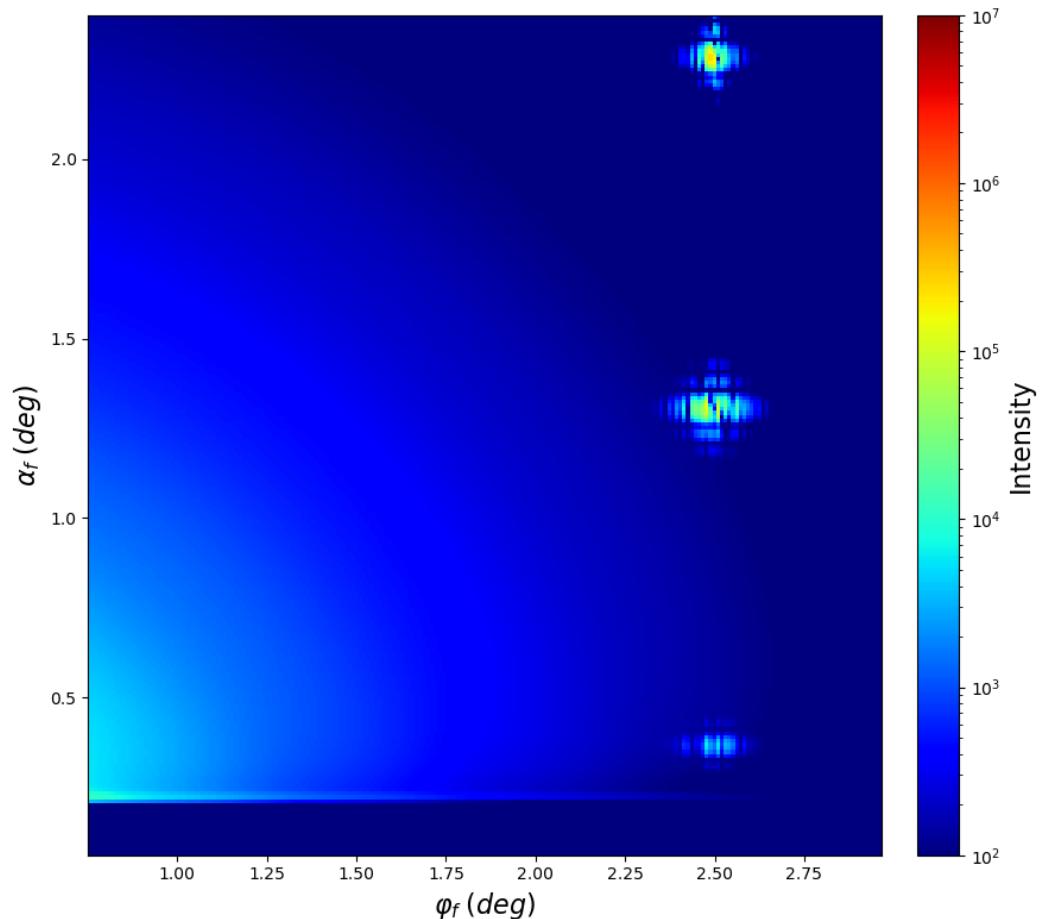
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 76.0  
}
```



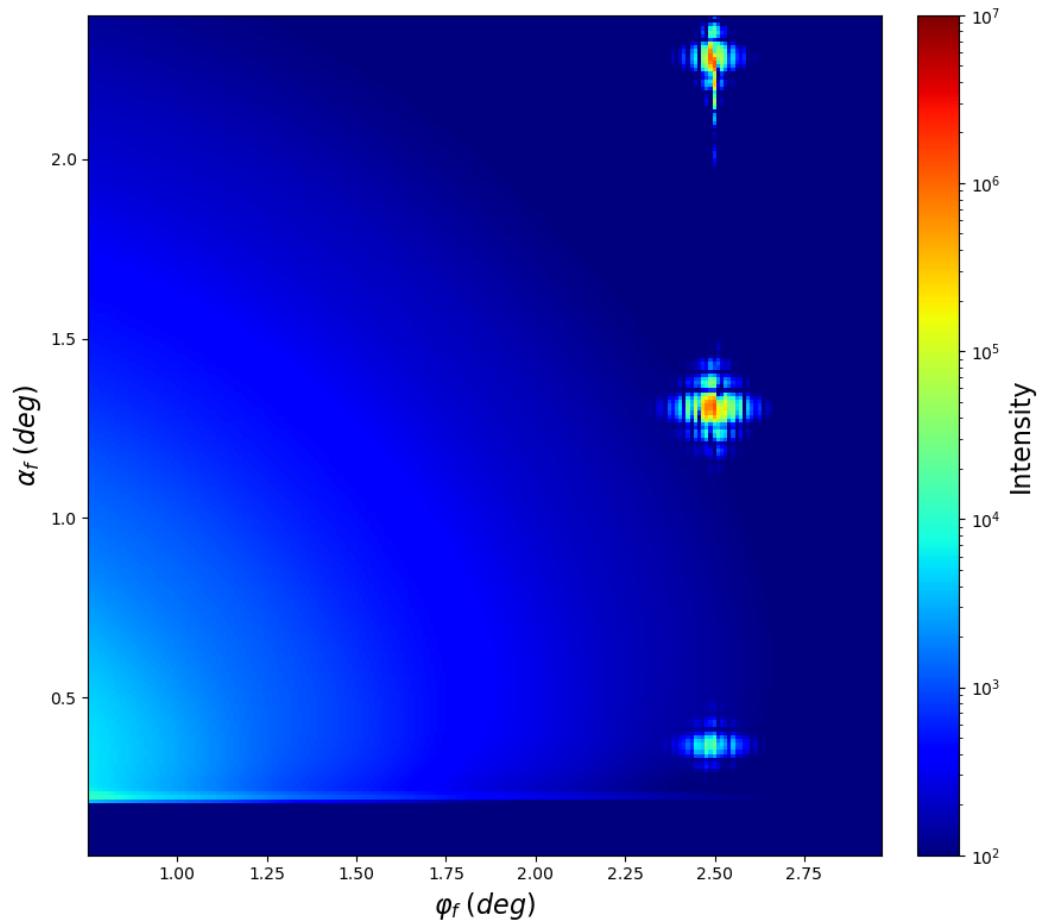
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 76.5  
}
```



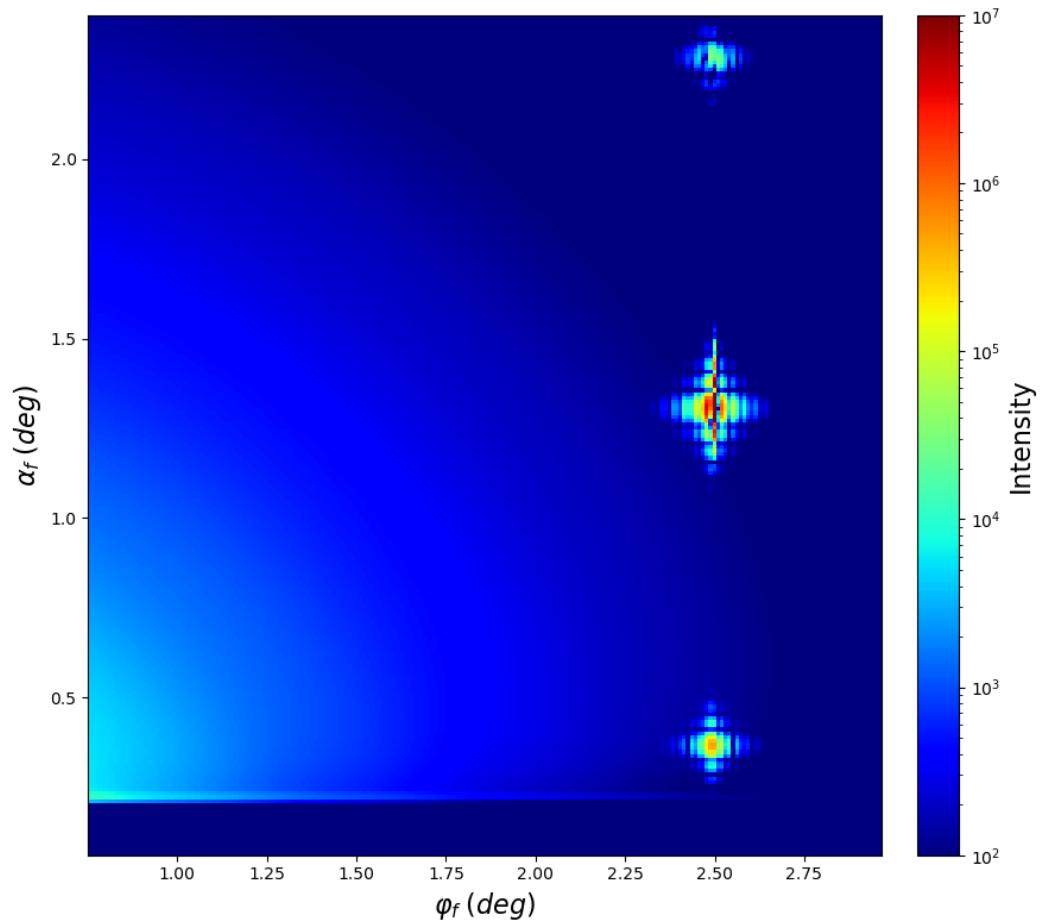
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 77.0  
}
```



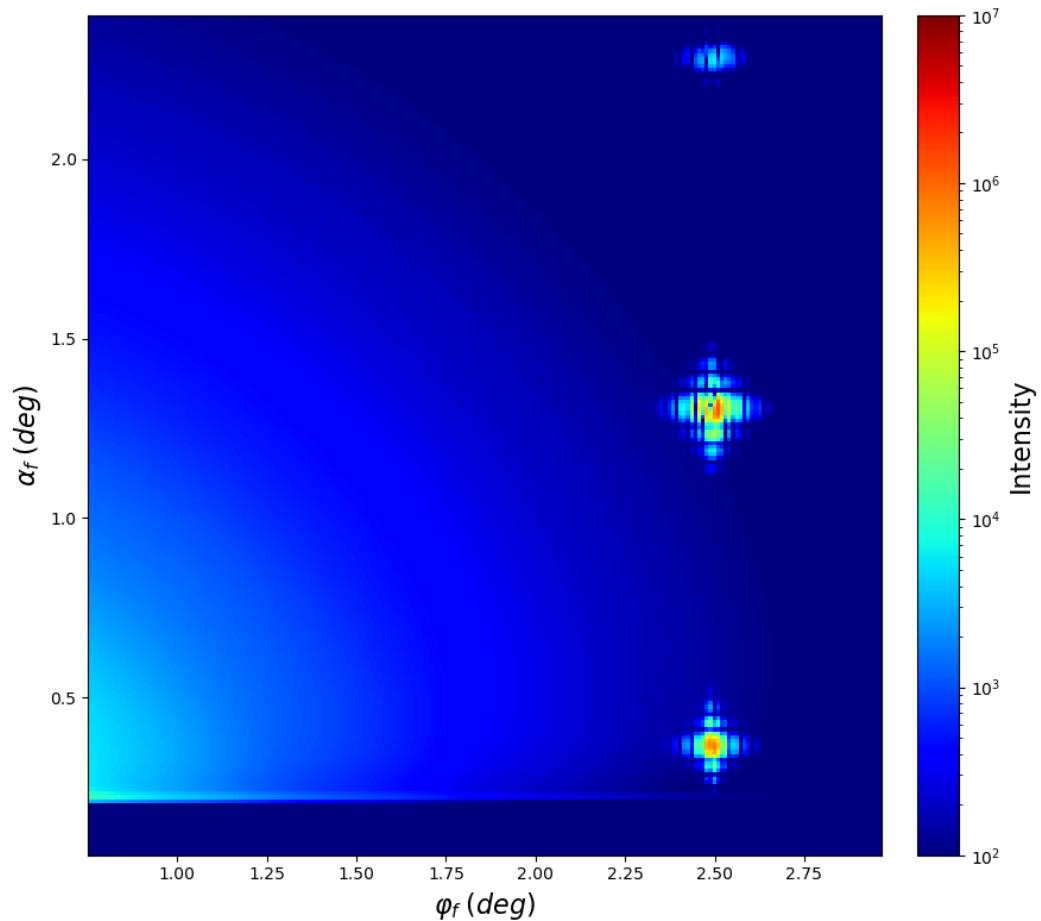
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 77.5  
}
```



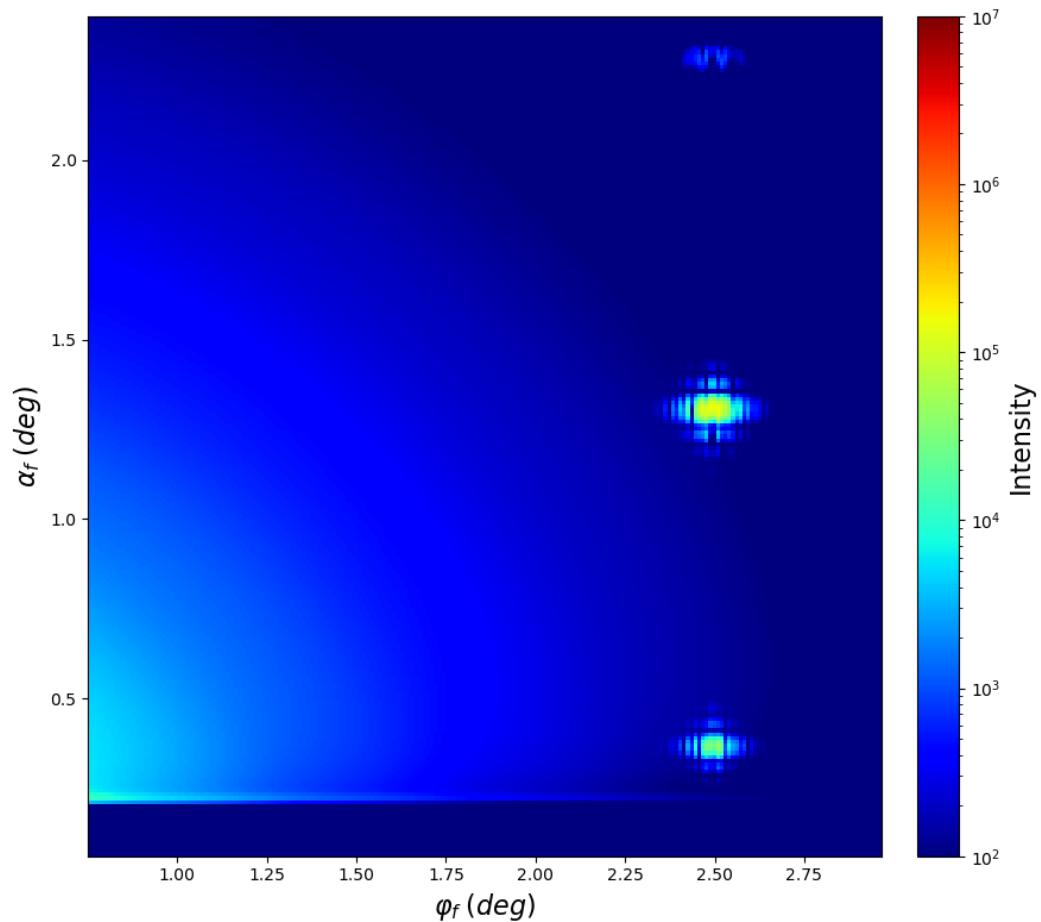
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 78.0  
}
```



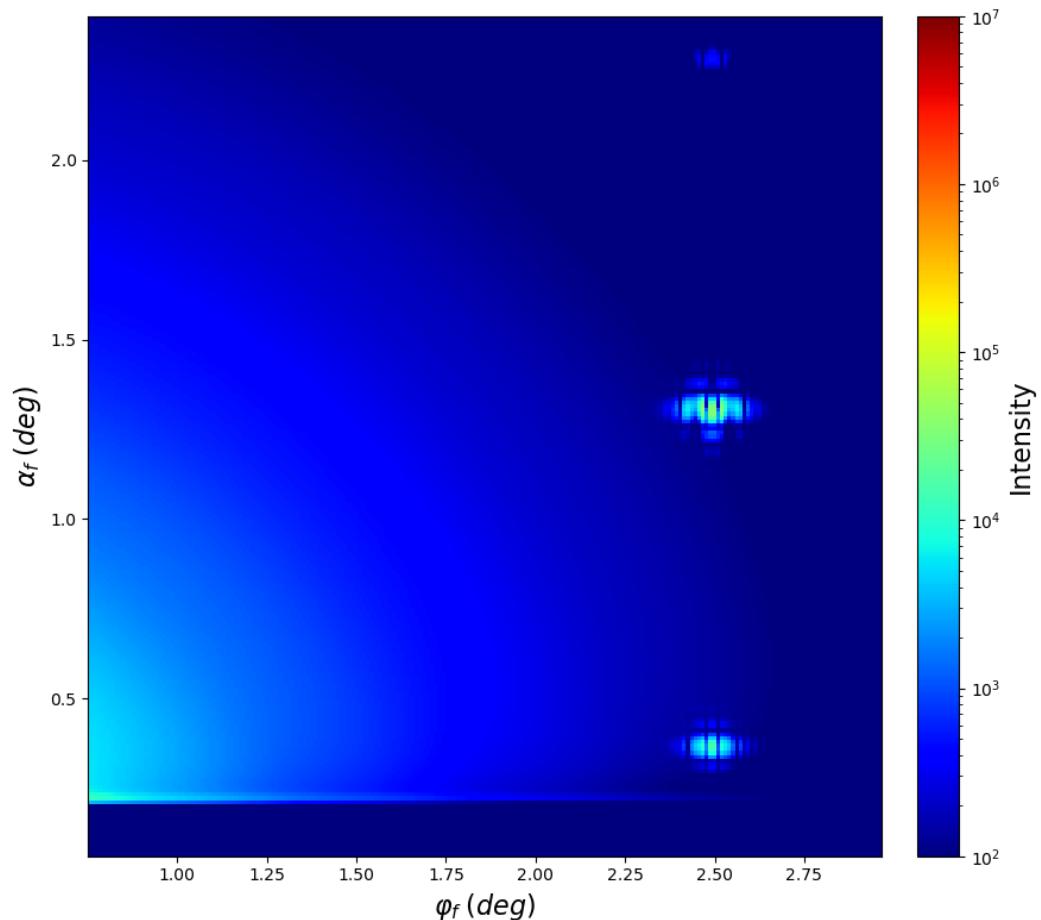
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 78.5  
}
```



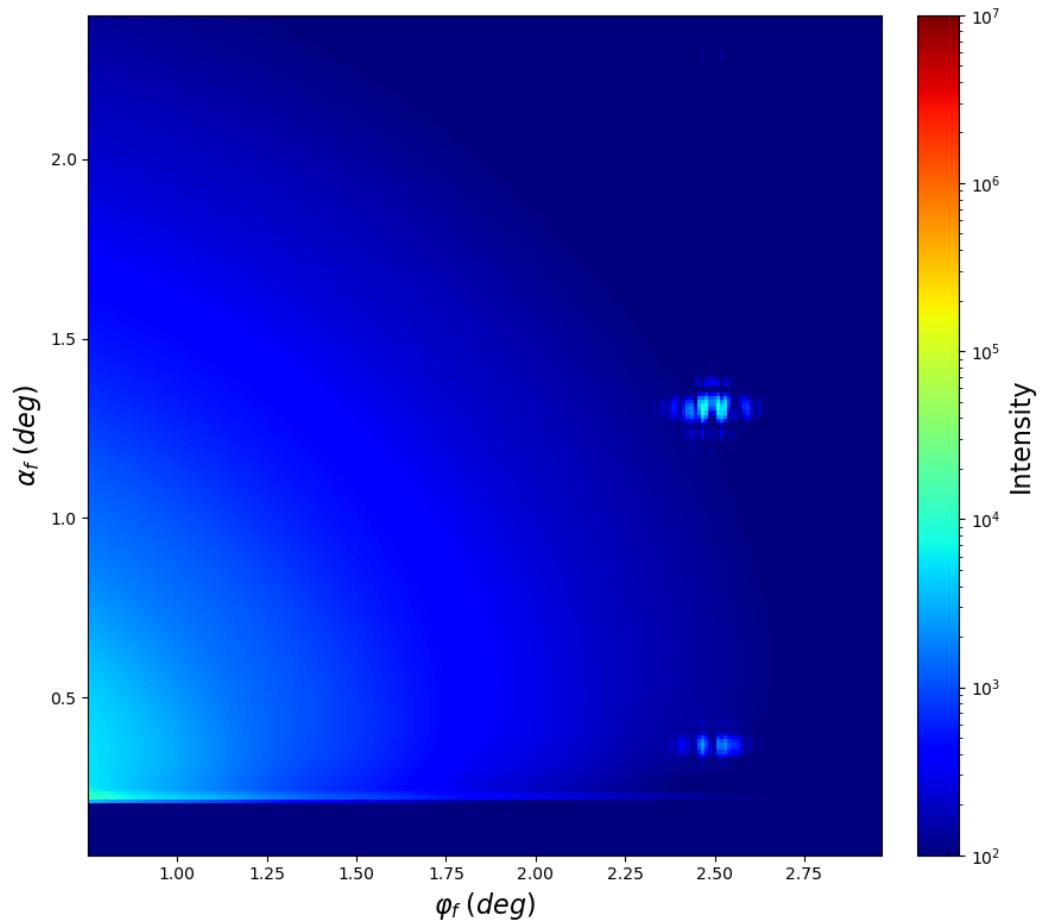
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 79.0  
}
```



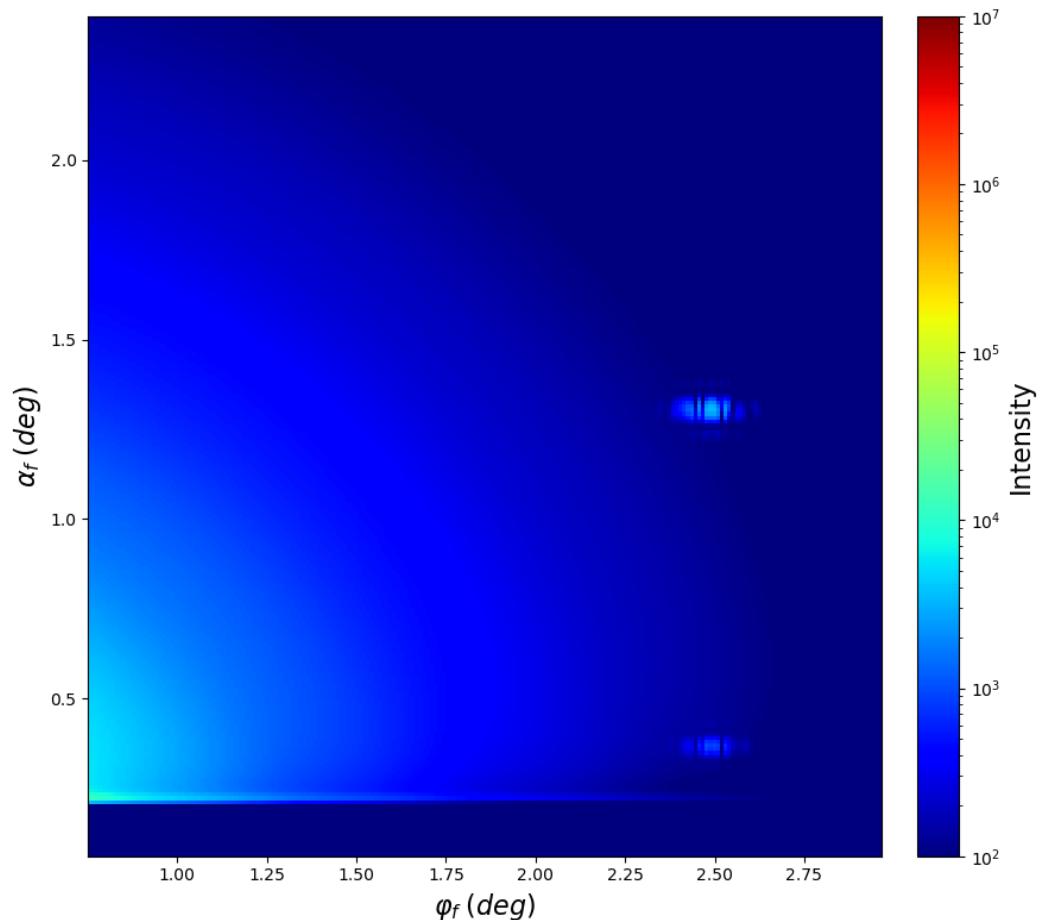
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 79.5  
}
```



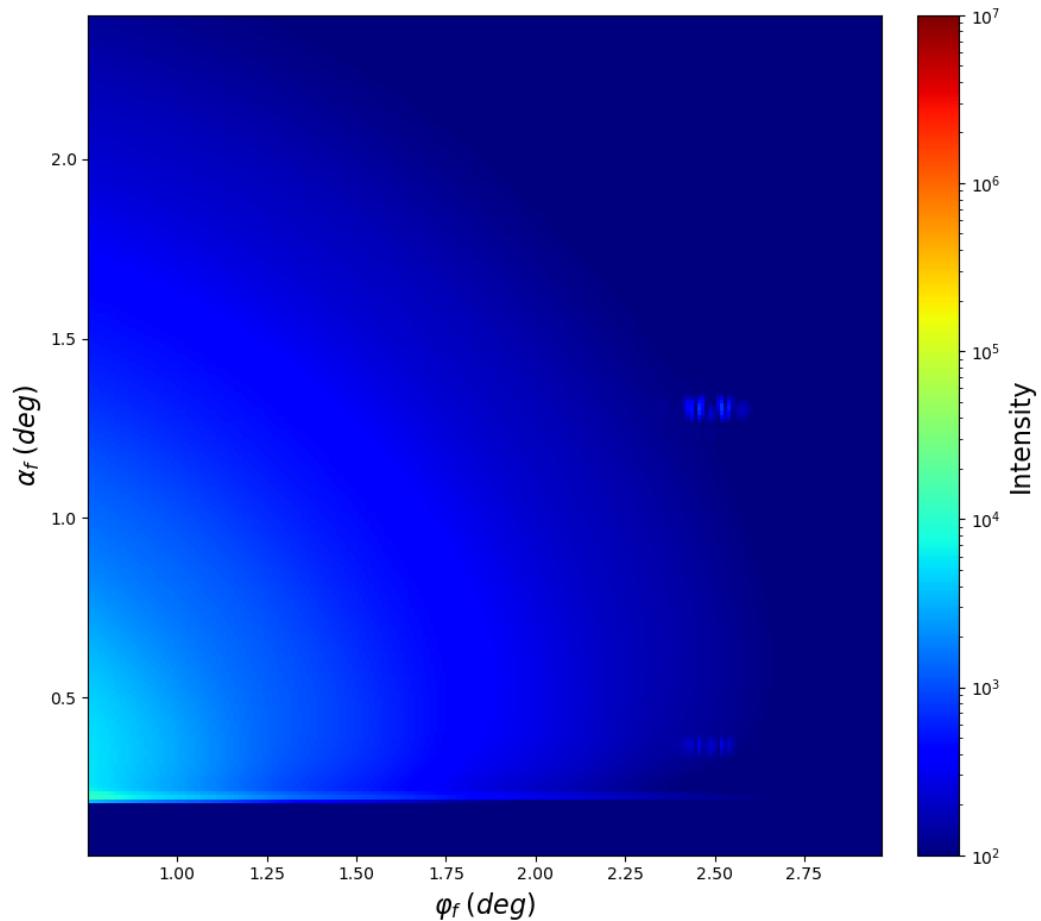
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 80.0  
}
```



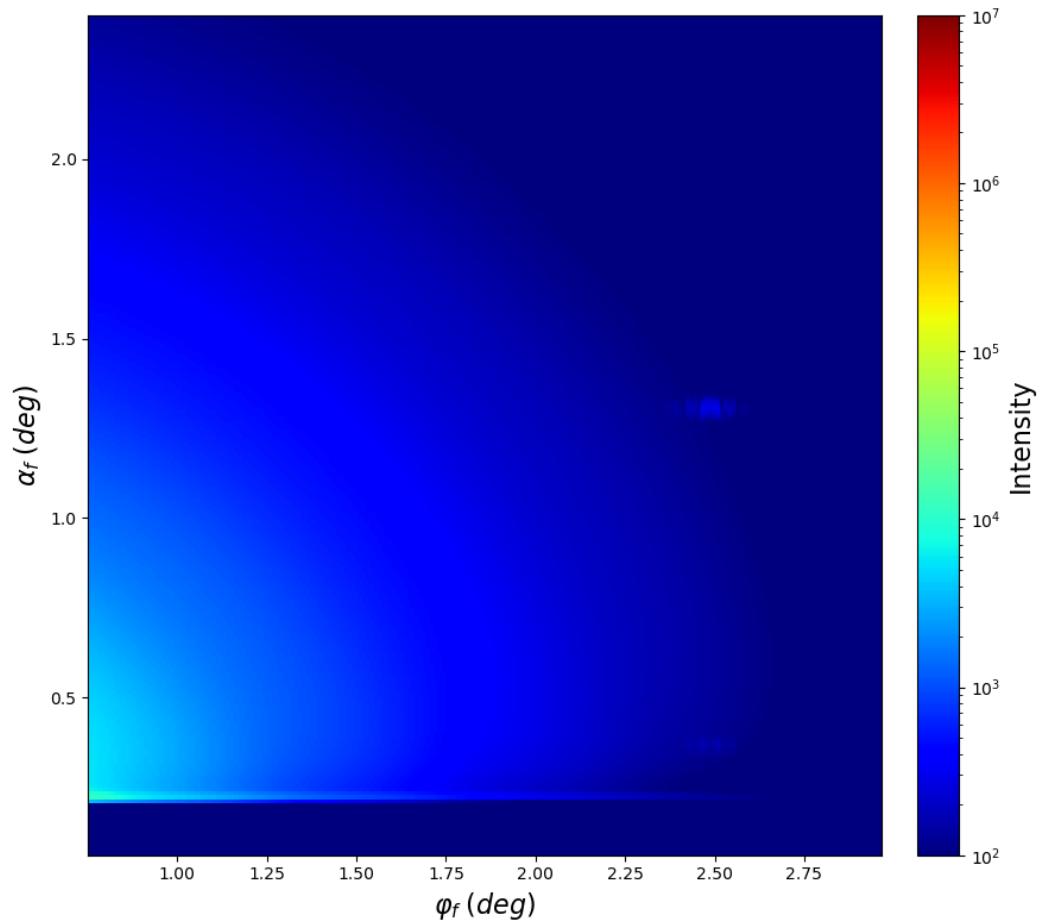
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 80.5  
}
```



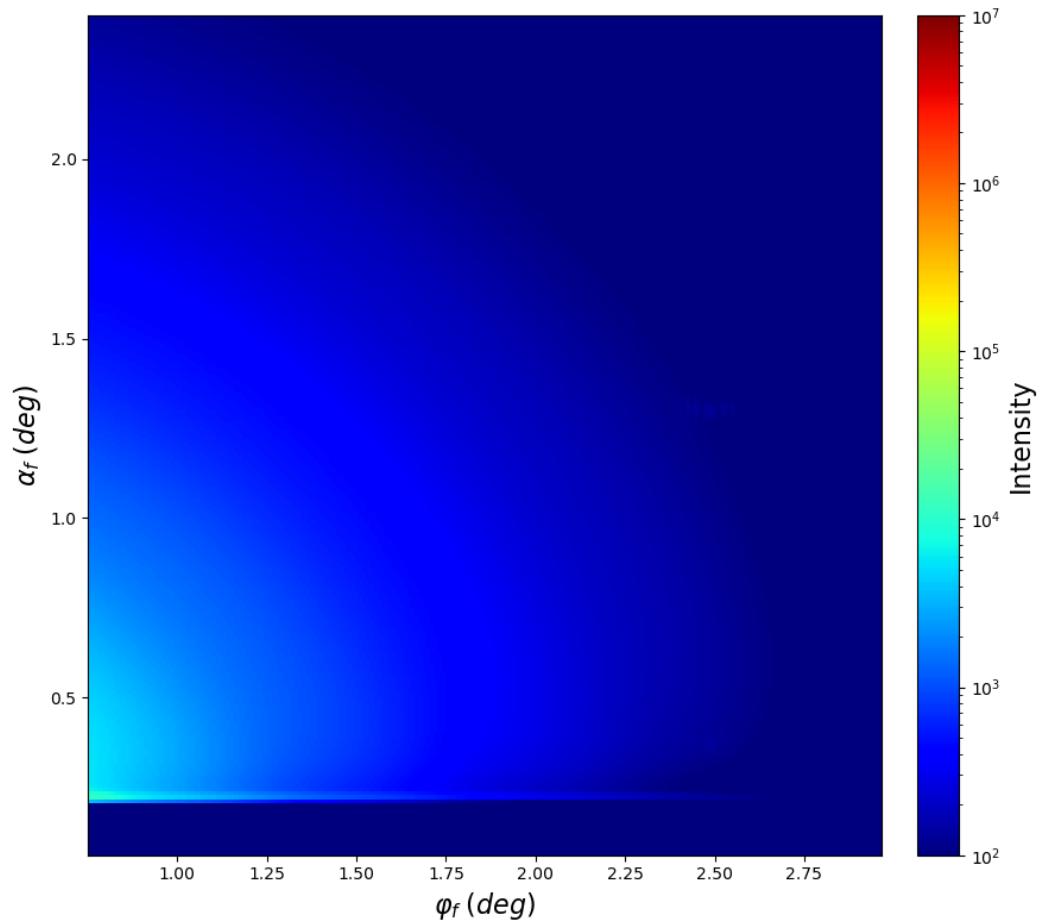
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 81.0  
}
```



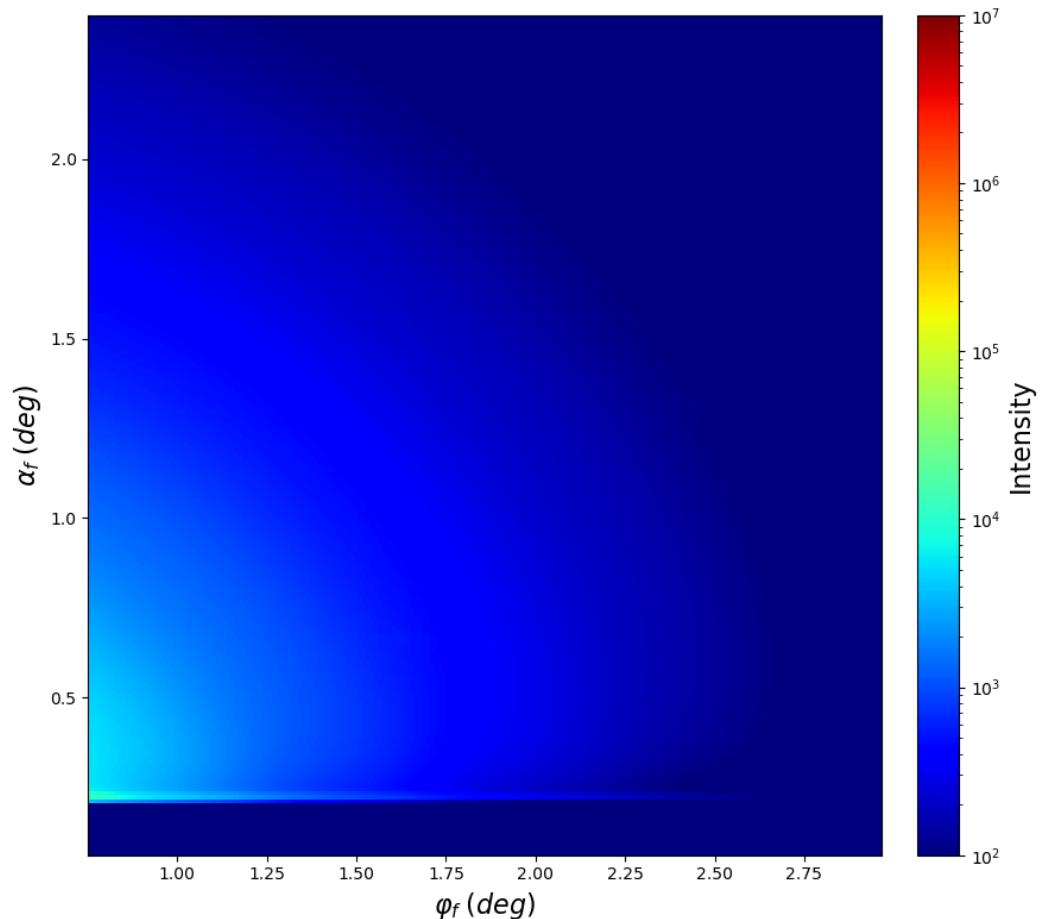
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 81.5  
}
```



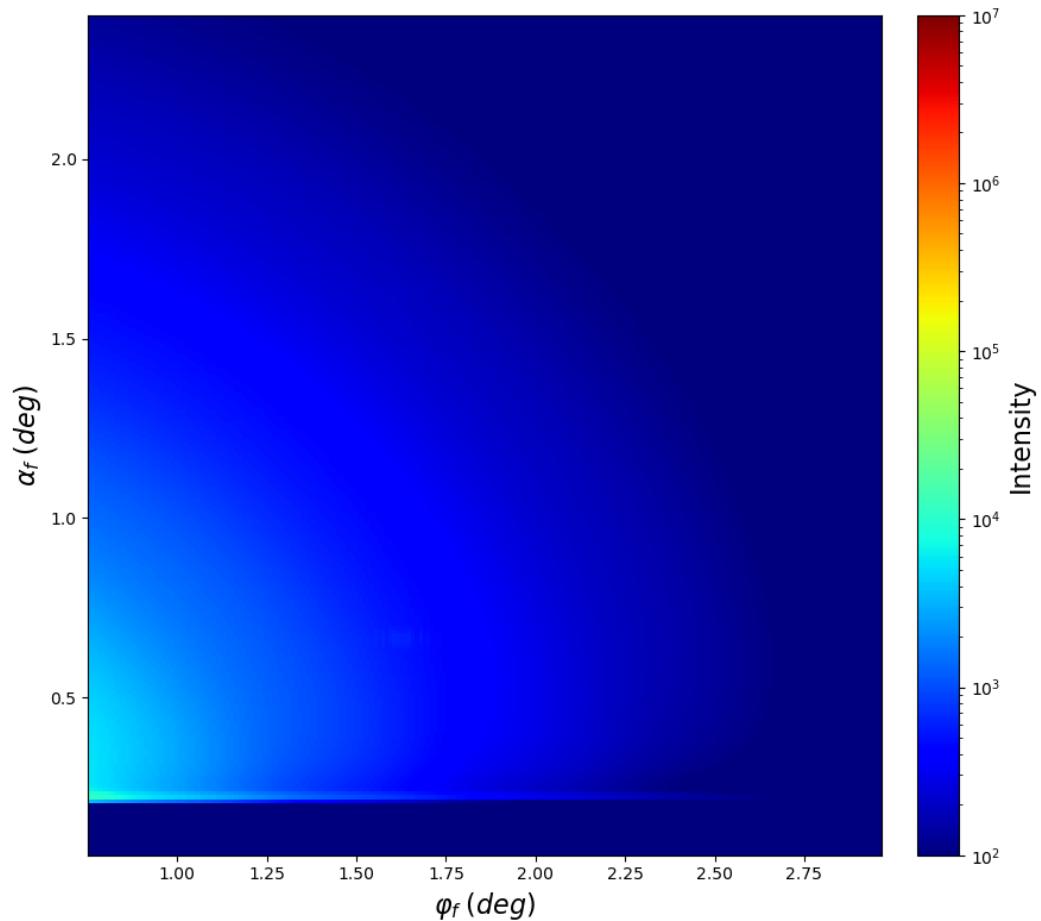
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 82.0  
}
```



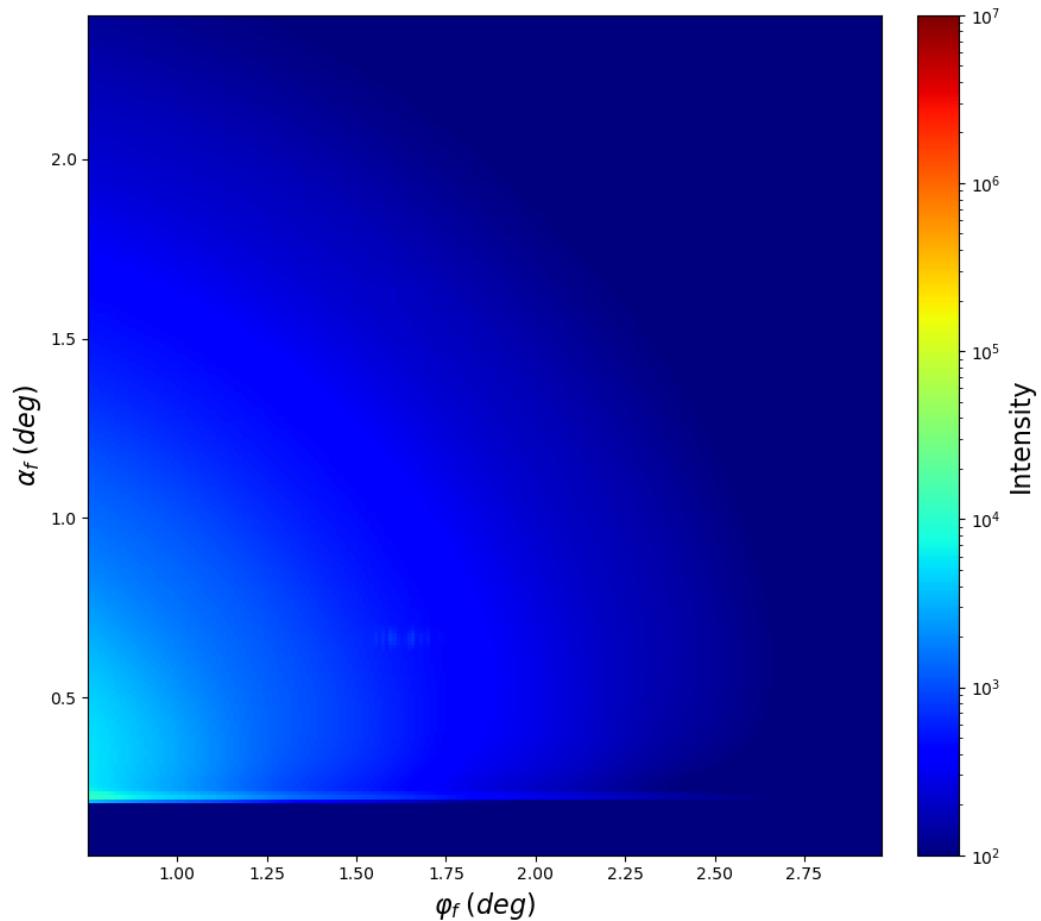
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 82.5  
}
```



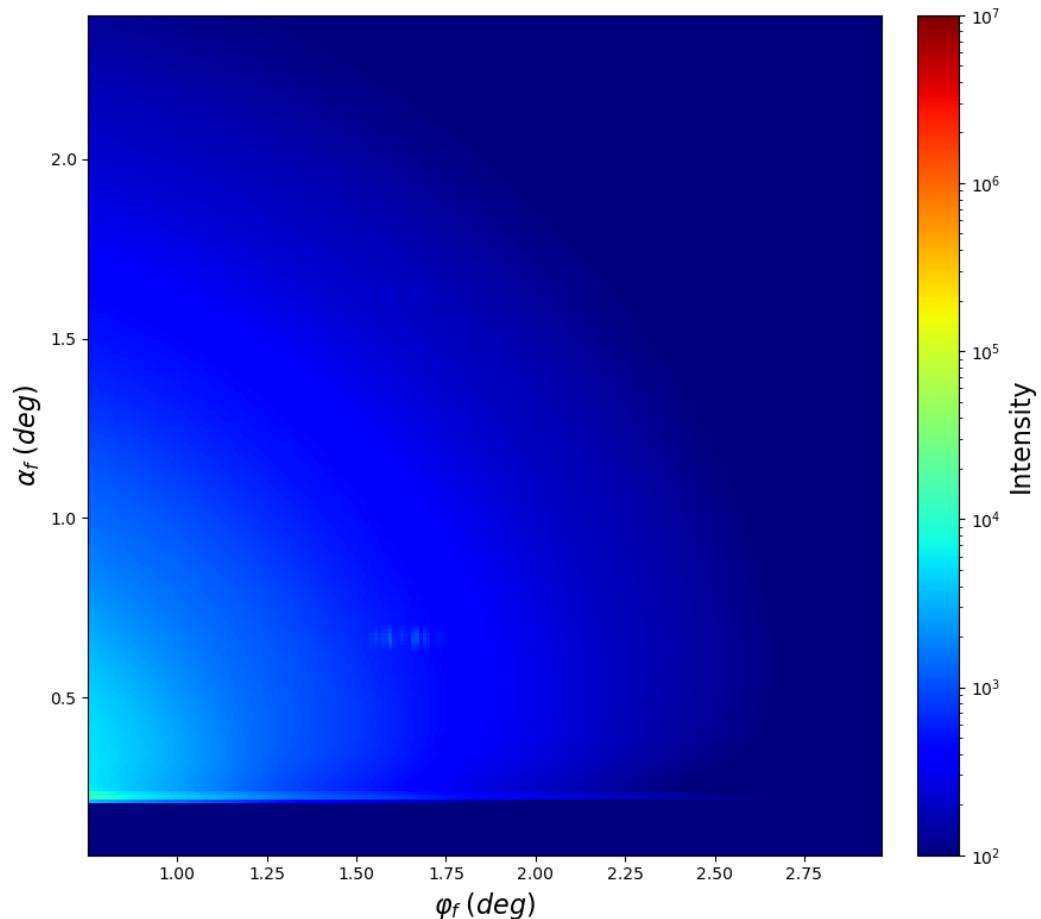
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 83.0  
}
```



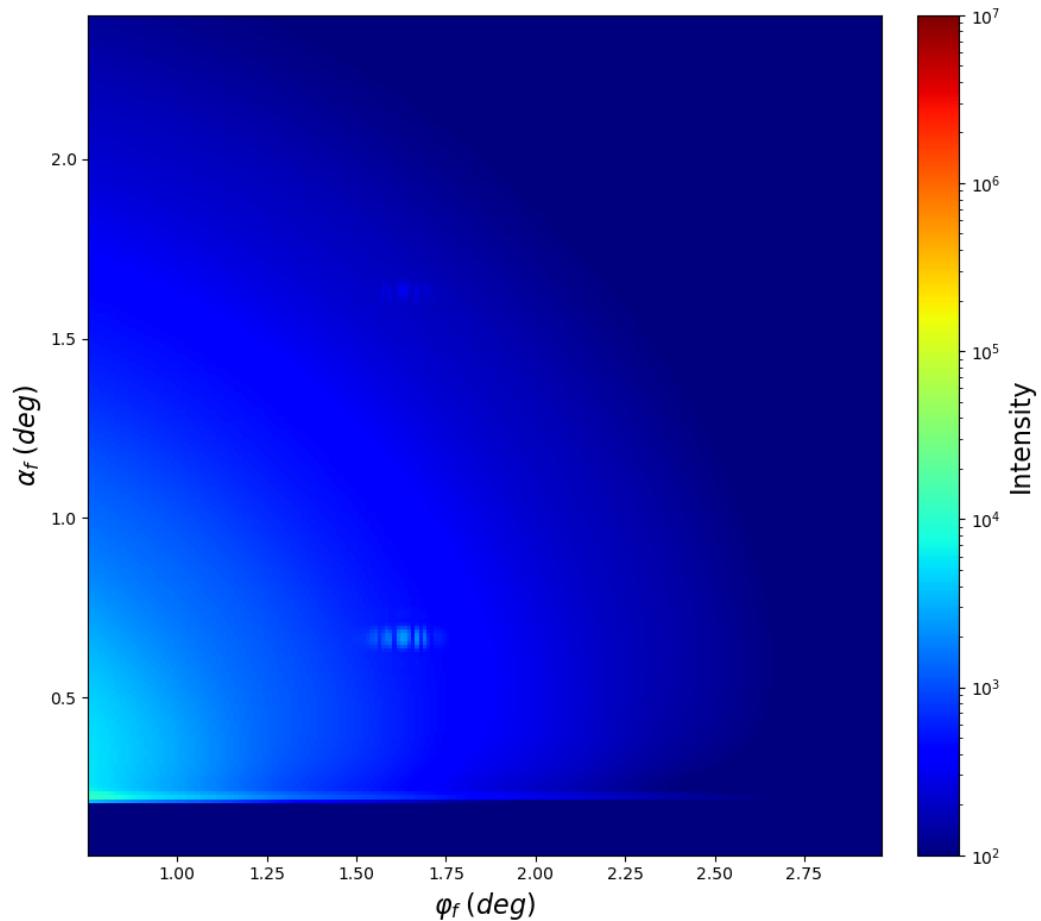
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 83.5  
}
```



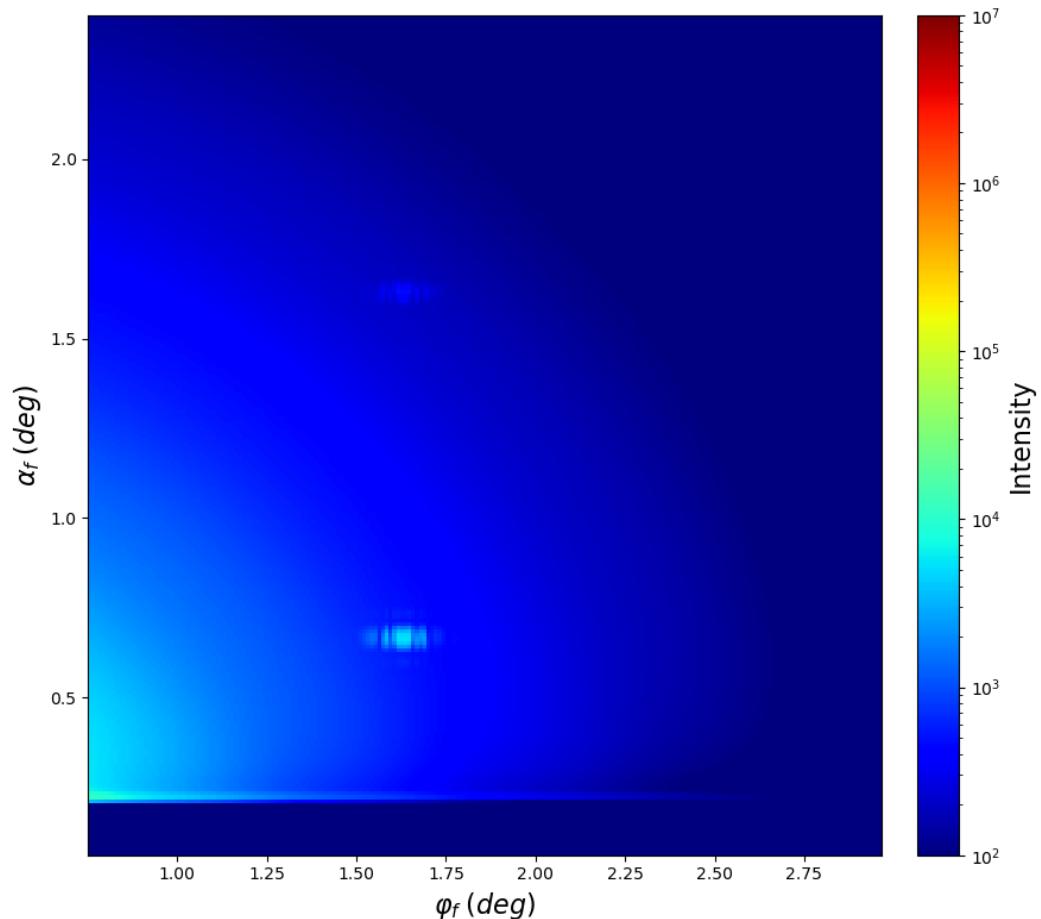
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 84.0  
}
```



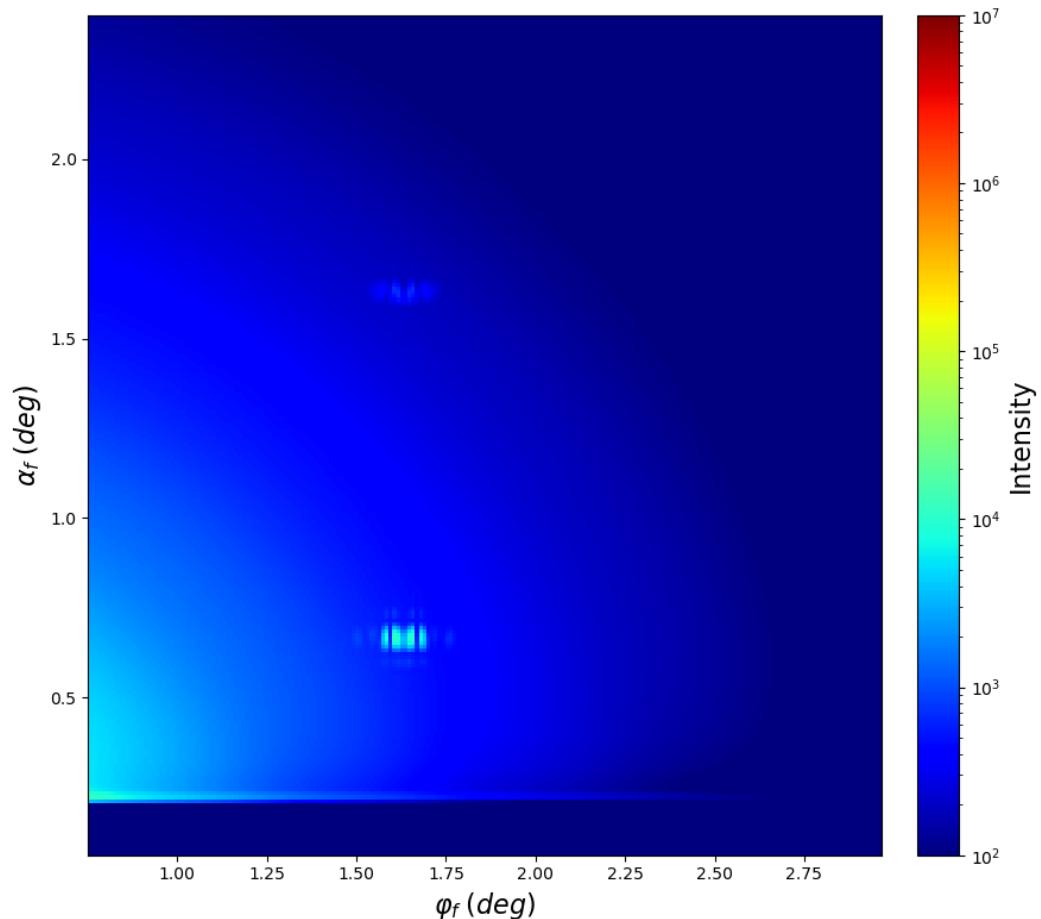
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 84.5  
}
```



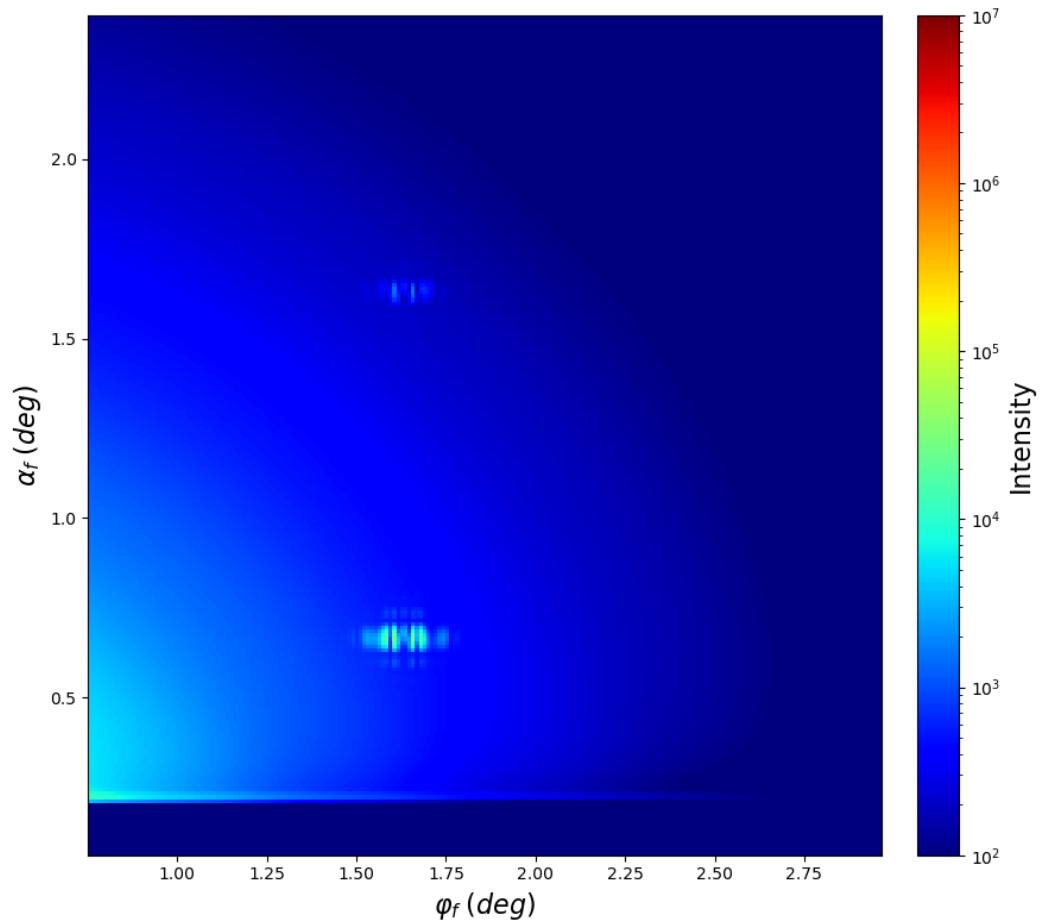
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 85.0  
}
```



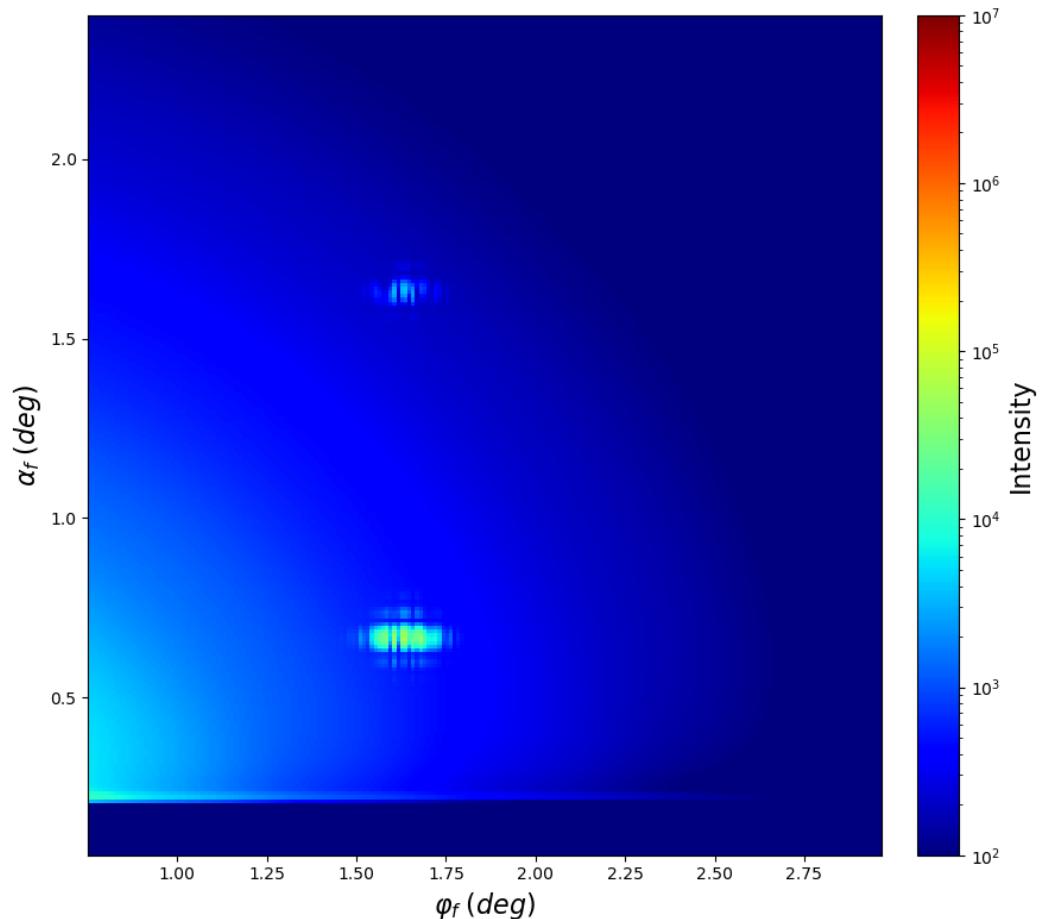
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 85.5  
}
```



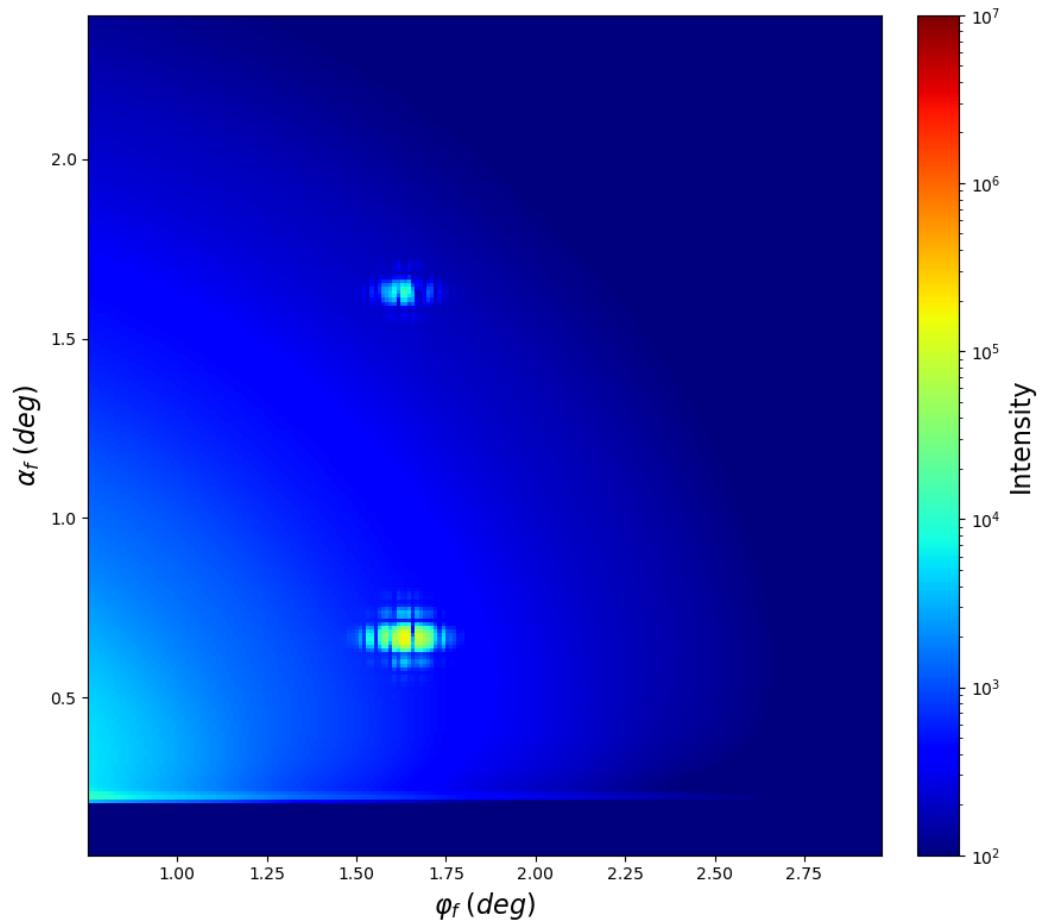
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 86.0  
}
```



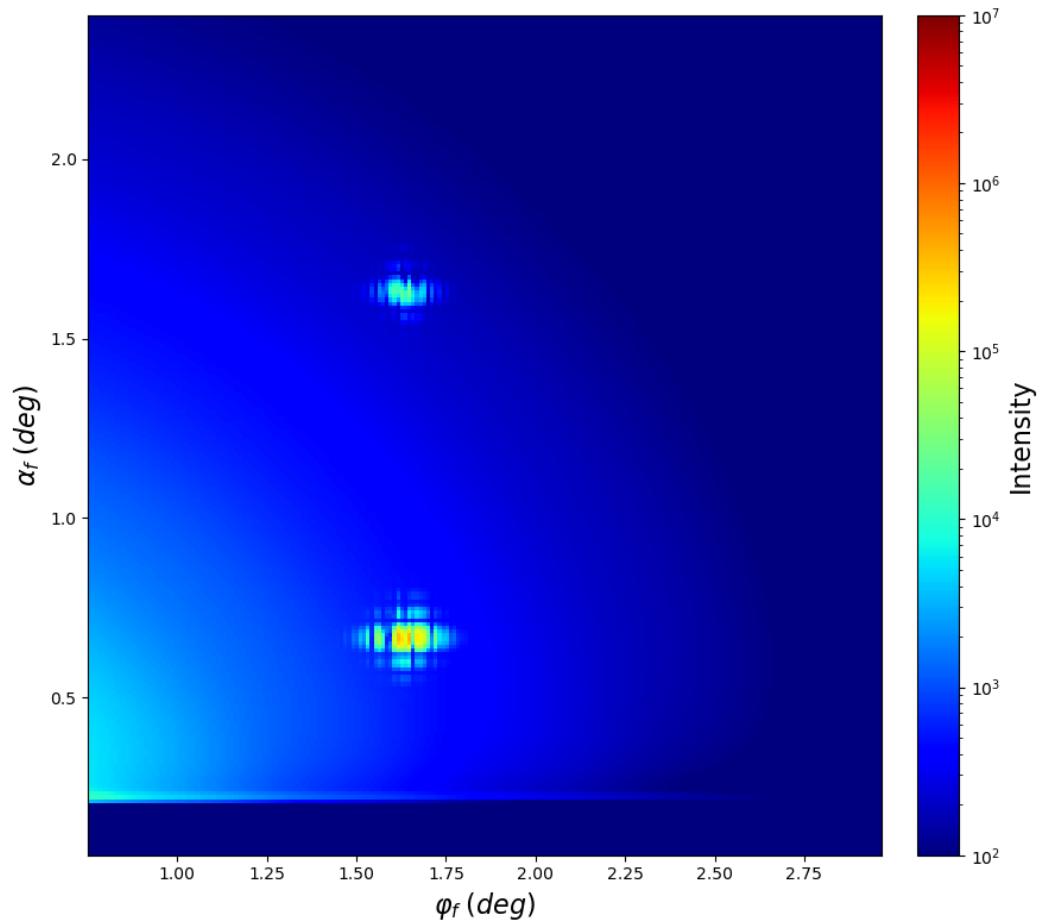
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 86.5  
}
```



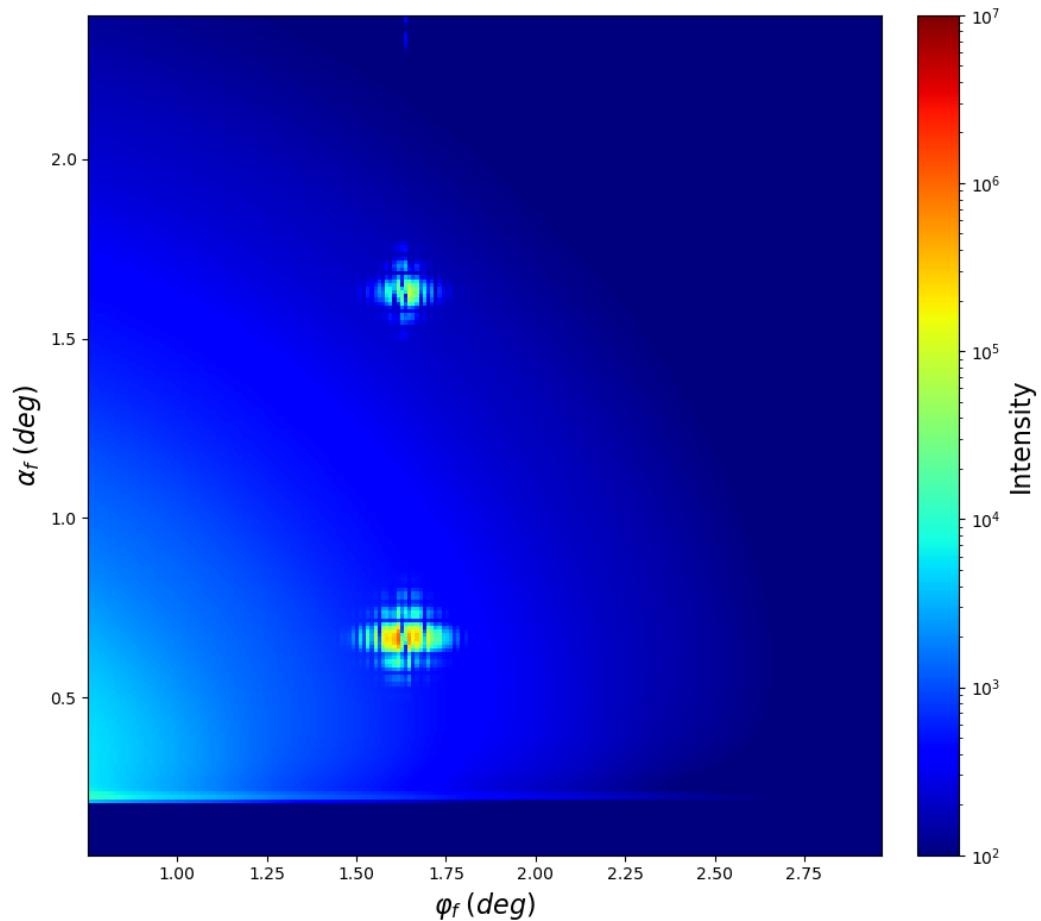
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 87.0  
}
```



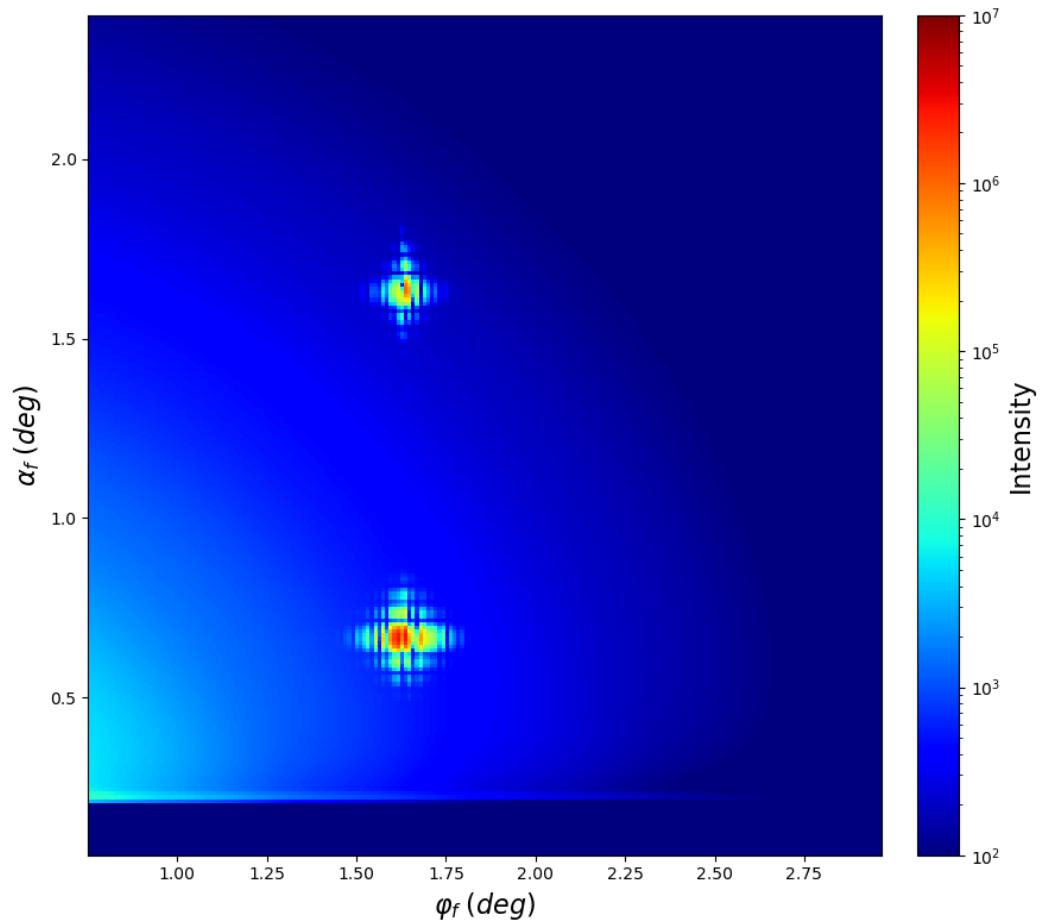
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 87.5  
}
```



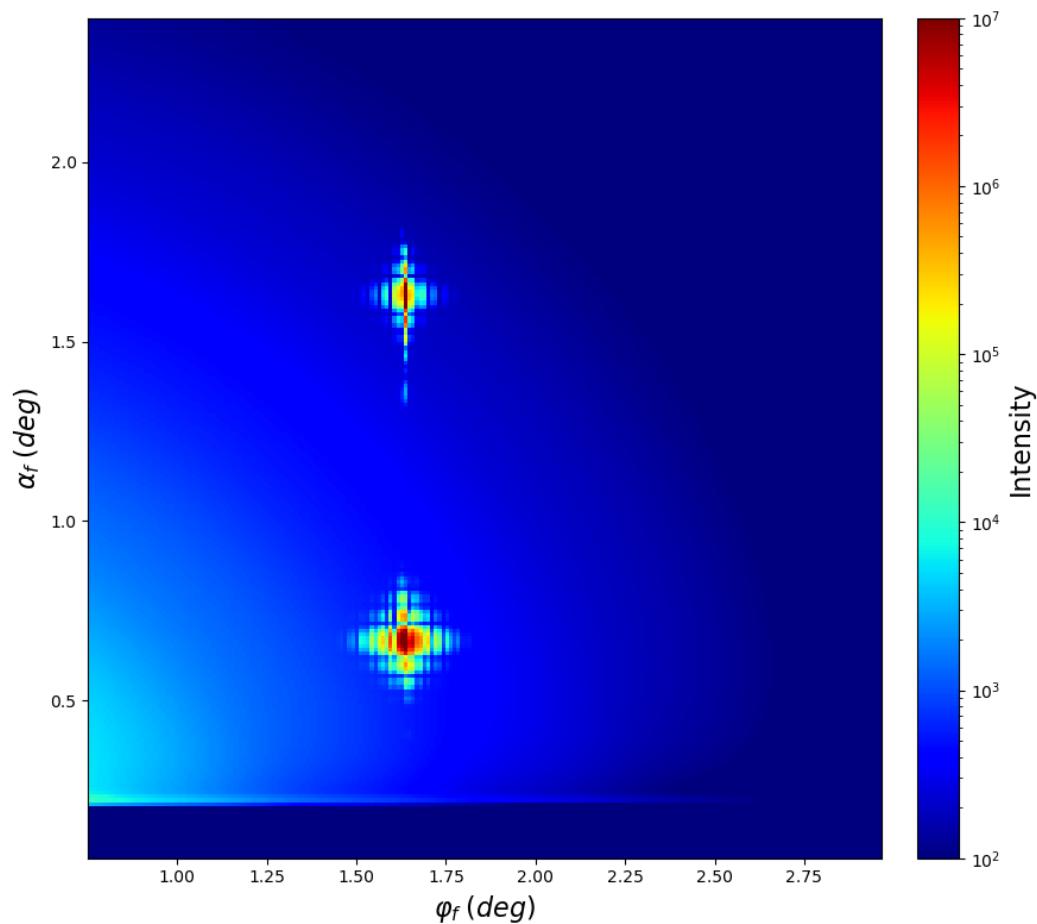
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 88.0  
}
```



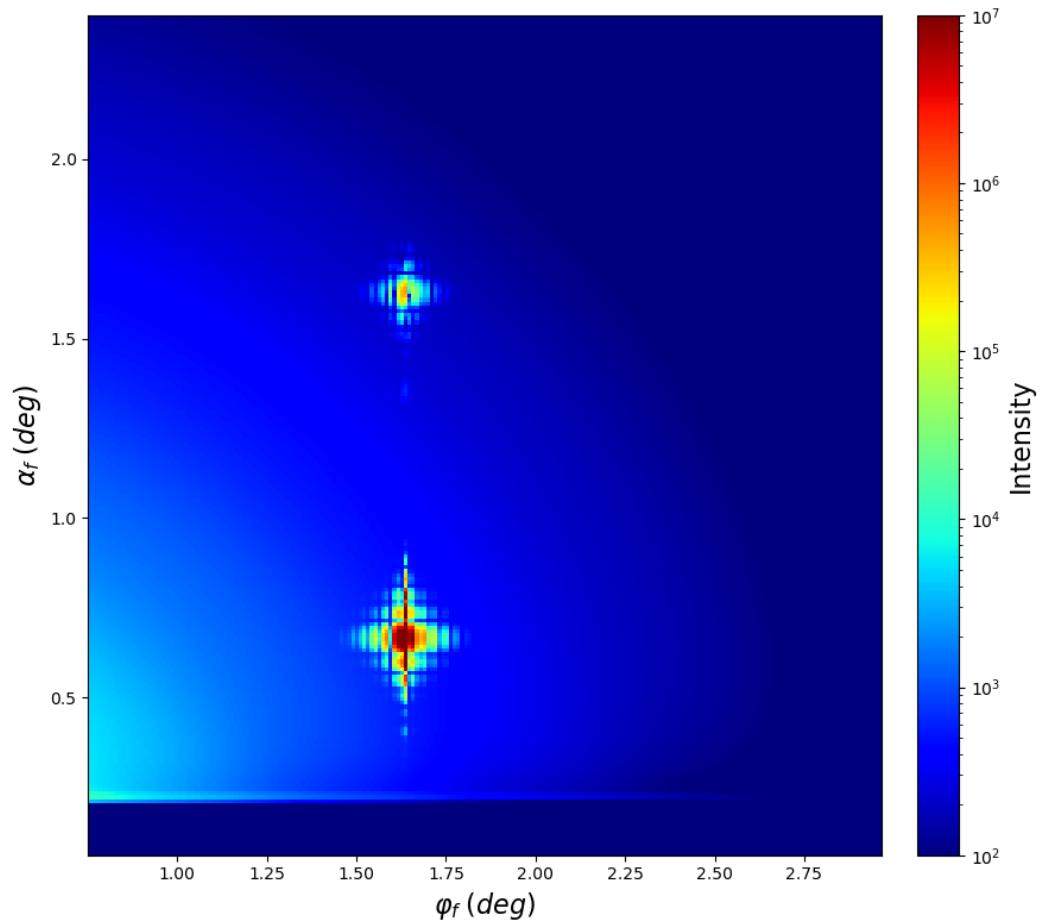
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 88.5  
}
```



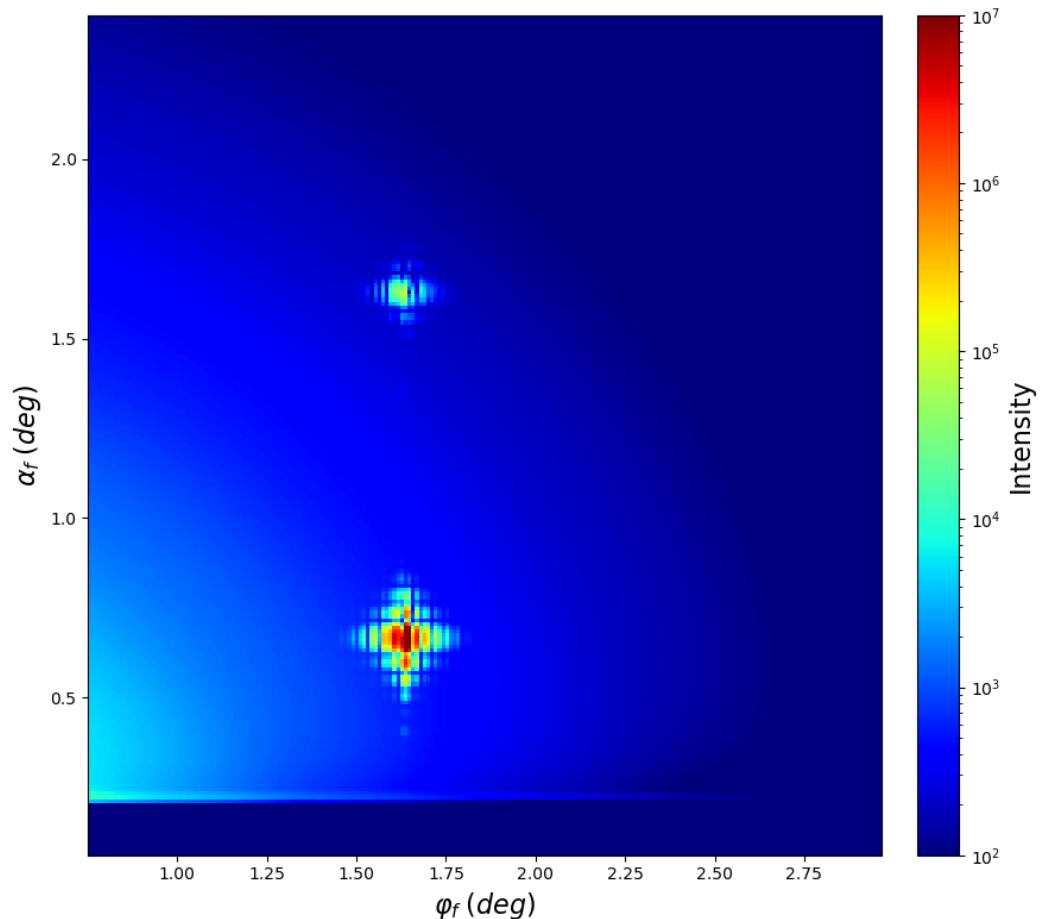
Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 89.0  
}
```



Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 89.5  
}
```



Single meso, phi-scan

```
{  
    "sample_builder_type": "SampleBuilderVer1",  
    "roughness": 6.0,  
    "surface_filling_ratio": 0.25,  
    "average_layer_thickness": 600,  
    "meso_elevation": 0,  
    "meso_factory_type": "SingleMesoFactory",  
    "meso_builder_type": "MesoCrystalBuilder",  
    "lattice_length_a": 12.45,  
    "lattice_length_c": 31.0,  
    "nparticles": 10,  
    "nanoparticle_radius": 5.0,  
    "sigma_nanoparticle_radius": 0.3,  
    "meso_height": 200,  
    "meso_radius": 800,  
    "sigma_meso_height": 20.0,  
    "sigma_meso_radius": 20.0,  
    "sigma_lattice_length_a": 0.5,  
    "rotation_x": 0.0,  
    "rotation_z": 90.0  
}
```

