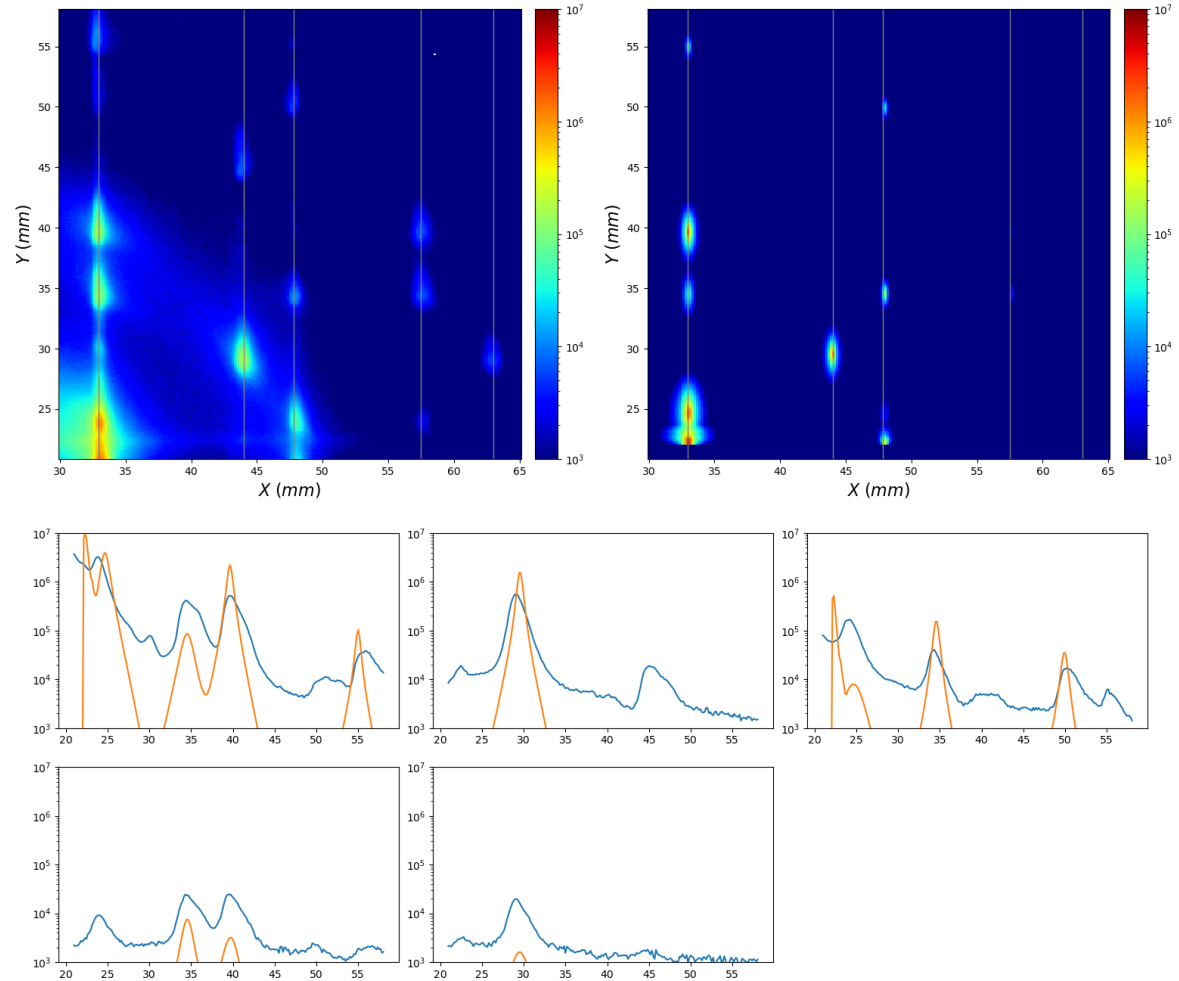


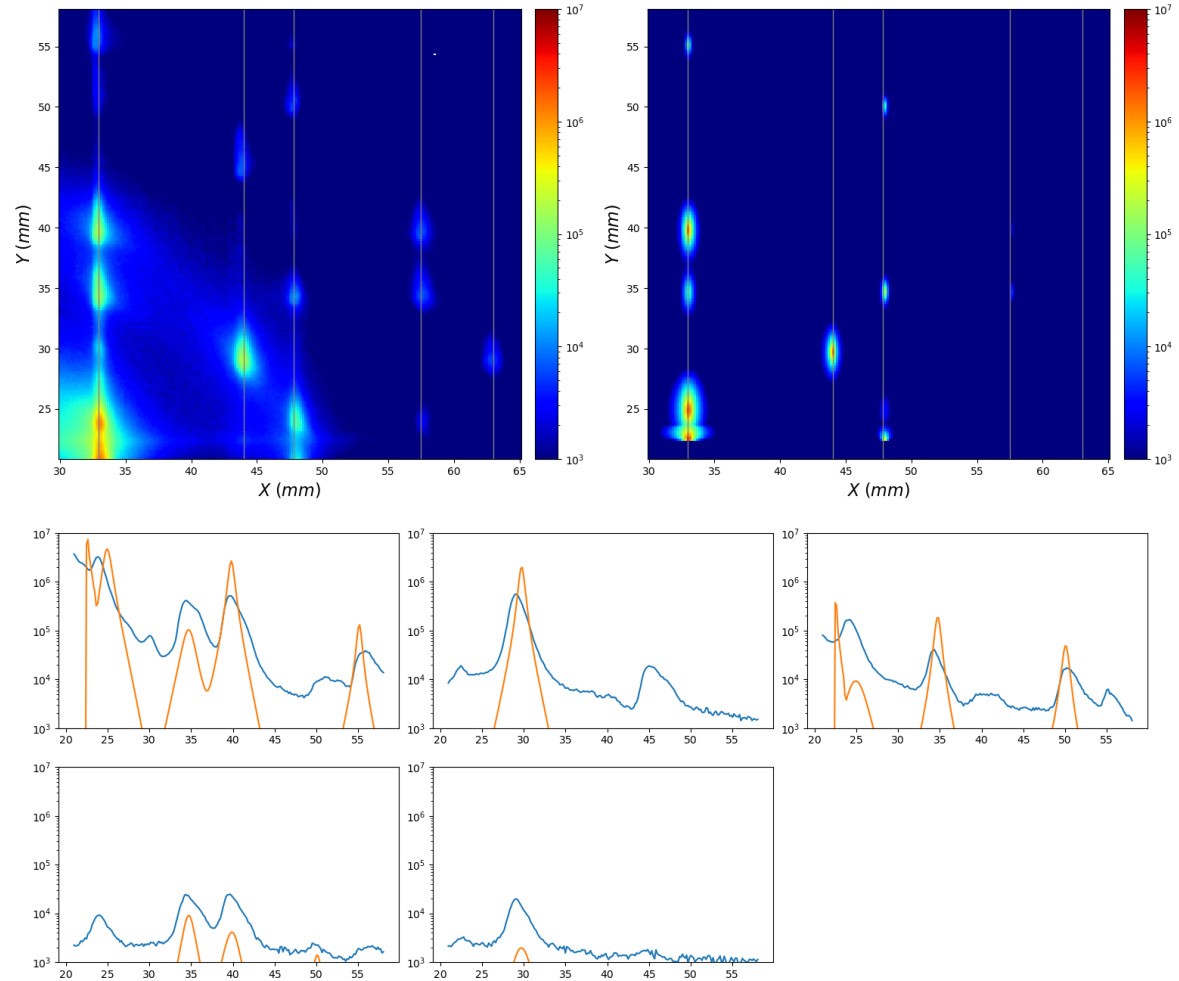
Single meso, surface\_filling\_ratio

```
{
  "sample_builder_type": "SampleBuilderVer1",
  "roughness": 6.0,
  "surface_filling_ratio": 0.1,
  "average_layer_thickness": 600,
  "meso_elevation": 10,
  "meso_factory_type": "RotatedMesoFactory",
  "phi_start": 0.0,
  "phi_stop": 60.0,
  "phi_steps": 60,
  "tilt_start": 0.0,
  "tilt_stop": 1.0,
  "tilt_steps": 1,
  "meso_builder_type": "MesoCrystalBuilder",
  "lattice_length_a": 12.45,
  "lattice_length_c": 31.5,
  "nparticles": 10,
  "nanoparticle_radius": 5.0,
  "sigma_nanoparticle_radius": 0.3,
  "meso_height": 200,
  "meso_radius": 800,
  "sigma_meso_height": 10.0,
  "sigma_meso_radius": 10.0,
  "sigma_lattice_length_a": 1.6,
  "rotation_x": 0.0,
  "rotation_z": 0.0
}
```



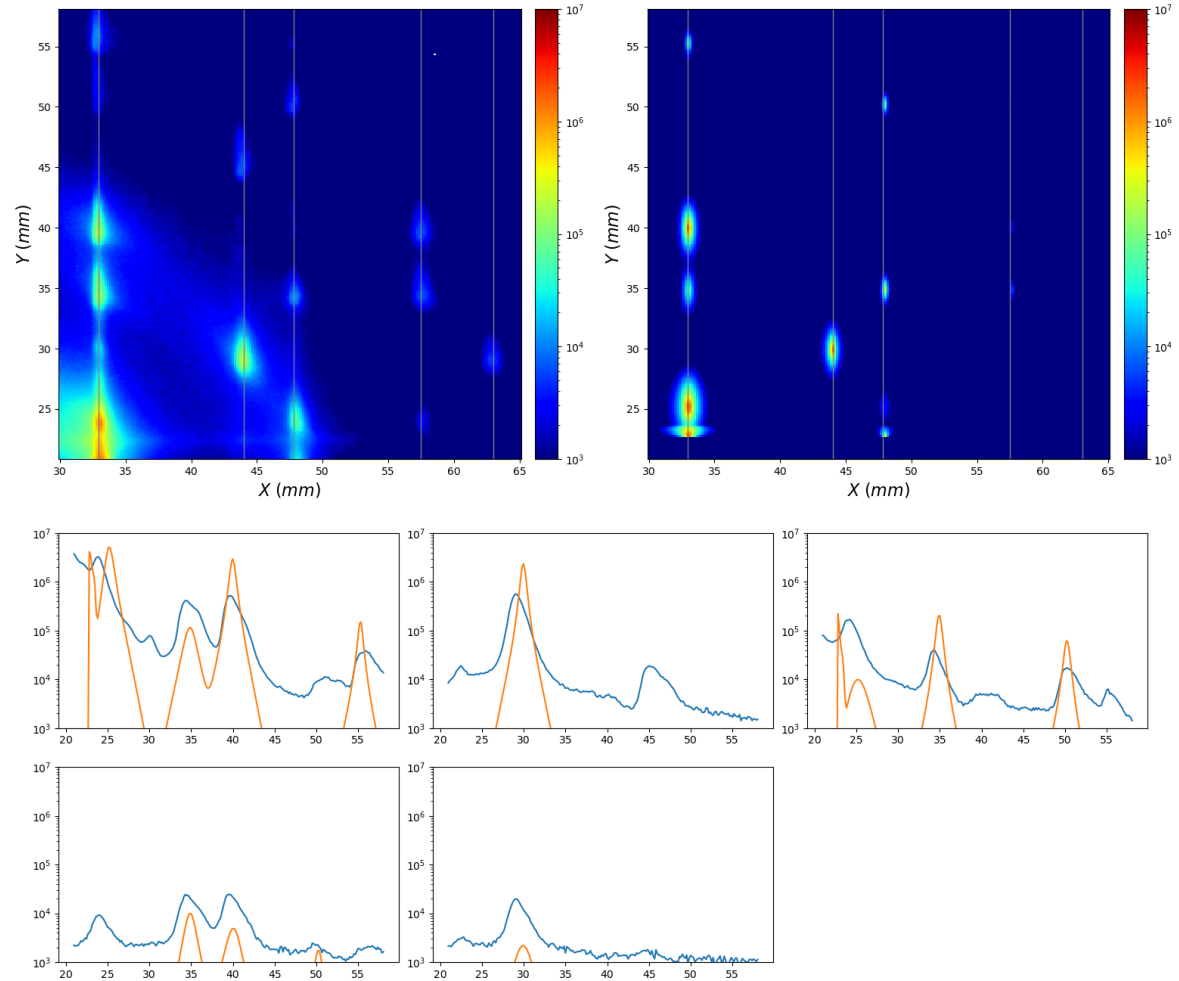
Single meso, surface\_filling\_ratio

```
{
  "sample_builder_type": "SampleBuilderVer1",
  "roughness": 6.0,
  "surface_filling_ratio": 0.14,
  "average_layer_thickness": 600,
  "meso_elevation": 10,
  "meso_factory_type": "RotatedMesoFactory",
  "phi_start": 0.0,
  "phi_stop": 60.0,
  "phi_steps": 60,
  "tilt_start": 0.0,
  "tilt_stop": 1.0,
  "tilt_steps": 1,
  "meso_builder_type": "MesoCrystalBuilder",
  "lattice_length_a": 12.45,
  "lattice_length_c": 31.5,
  "nparticles": 10,
  "nanoparticle_radius": 5.0,
  "sigma_nanoparticle_radius": 0.3,
  "meso_height": 200,
  "meso_radius": 800,
  "sigma_meso_height": 10.0,
  "sigma_meso_radius": 10.0,
  "sigma_lattice_length_a": 1.6,
  "rotation_x": 0.0,
  "rotation_z": 0.0
}
```



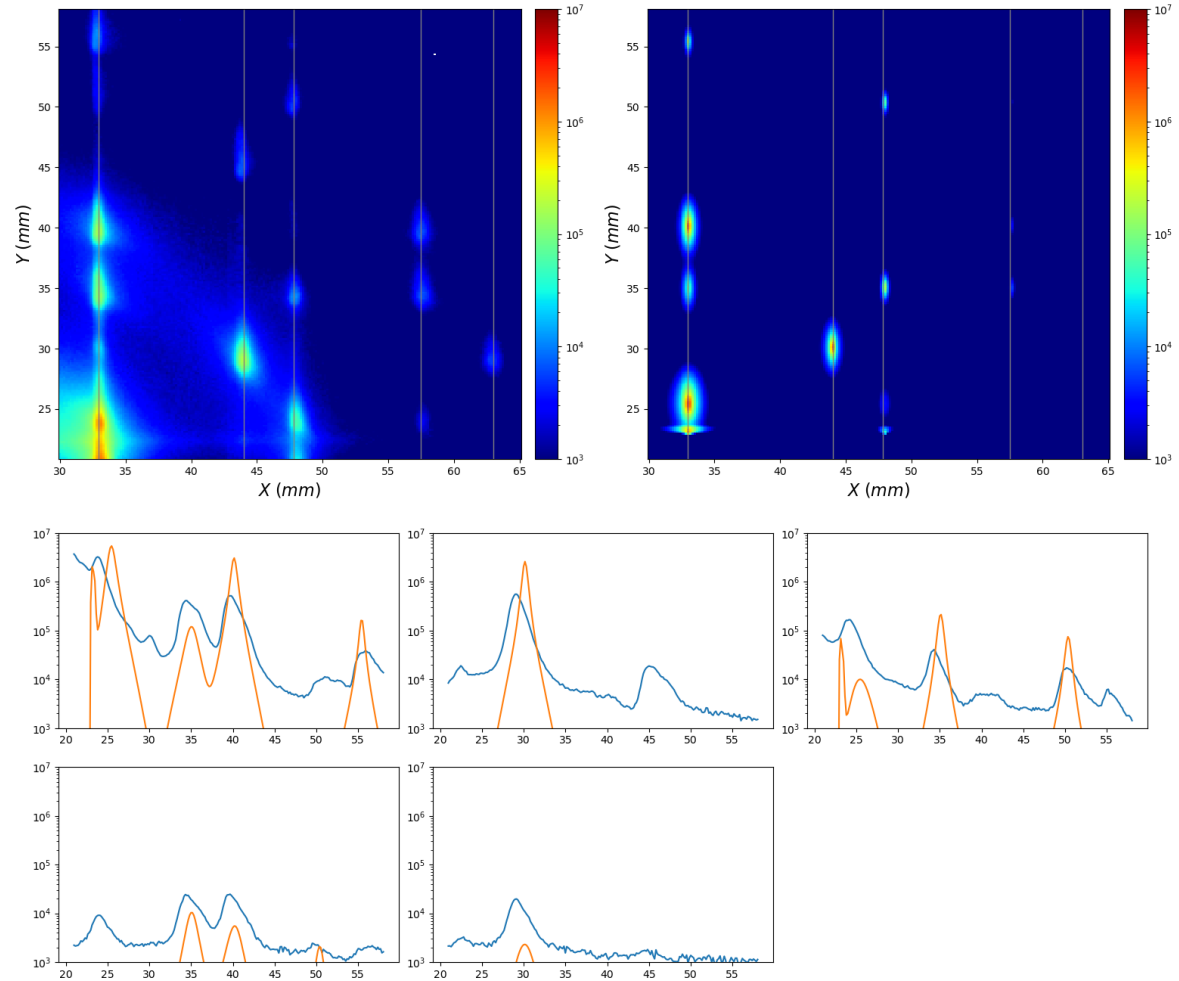
Single meso, surface\_filling\_ratio

```
{
  "sample_builder_type": "SampleBuilderVer1",
  "roughness": 6.0,
  "surface_filling_ratio": 0.18,
  "average_layer_thickness": 600,
  "meso_elevation": 10,
  "meso_factory_type": "RotatedMesoFactory",
  "phi_start": 0.0,
  "phi_stop": 60.0,
  "phi_steps": 60,
  "tilt_start": 0.0,
  "tilt_stop": 1.0,
  "tilt_steps": 1,
  "meso_builder_type": "MesoCrystalBuilder",
  "lattice_length_a": 12.45,
  "lattice_length_c": 31.5,
  "nparticles": 10,
  "nanoparticle_radius": 5.0,
  "sigma_nanoparticle_radius": 0.3,
  "meso_height": 200,
  "meso_radius": 800,
  "sigma_meso_height": 10.0,
  "sigma_meso_radius": 10.0,
  "sigma_lattice_length_a": 1.6,
  "rotation_x": 0.0,
  "rotation_z": 0.0
}
```



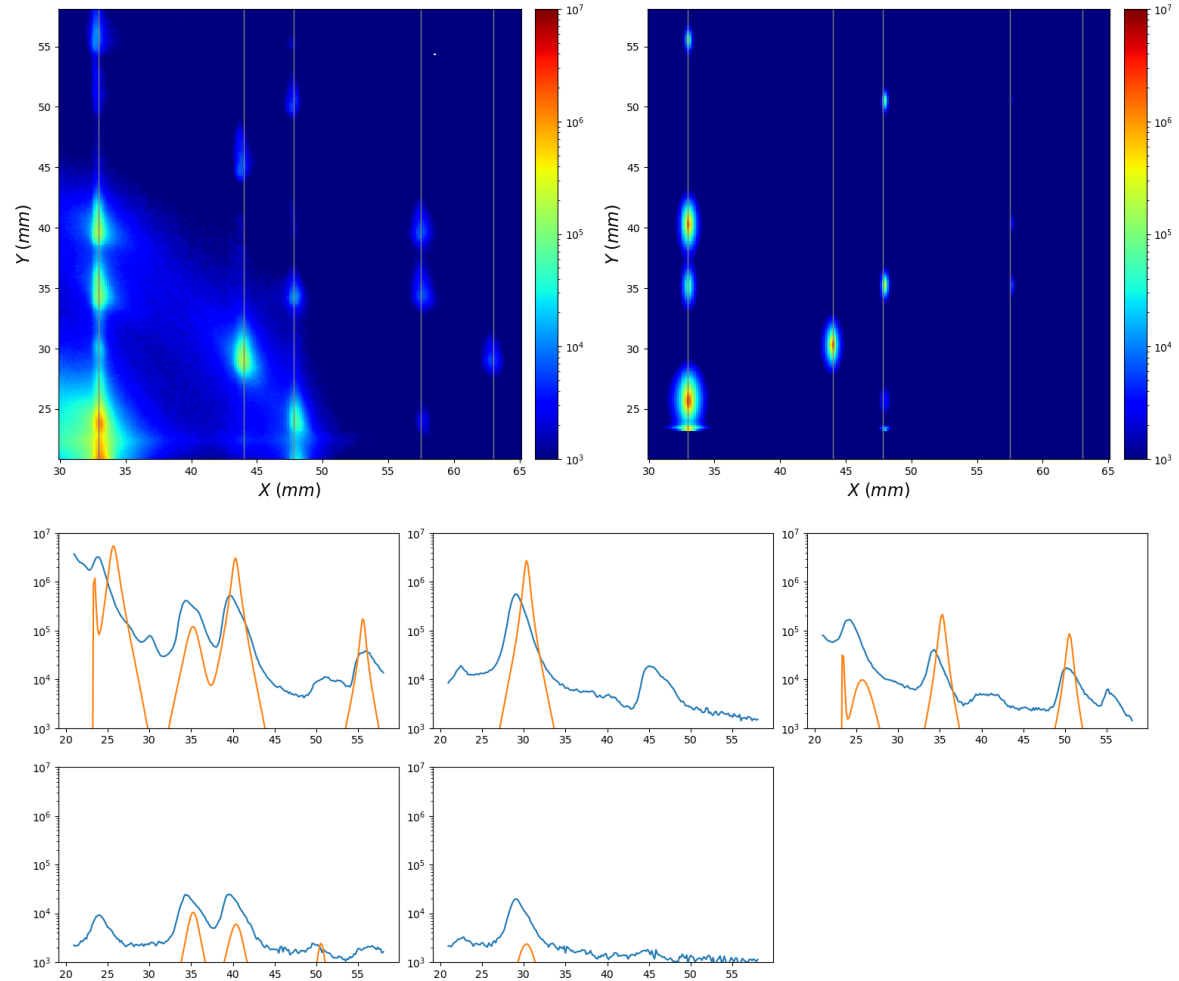
Single meso, surface\_filling\_ratio

```
{
  "sample_builder_type": "SampleBuilderVer1",
  "roughness": 6.0,
  "surface_filling_ratio": 0.22,
  "average_layer_thickness": 600,
  "meso_elevation": 10,
  "meso_factory_type": "RotatedMesoFactory",
  "phi_start": 0.0,
  "phi_stop": 60.0,
  "phi_steps": 60,
  "tilt_start": 0.0,
  "tilt_stop": 1.0,
  "tilt_steps": 1,
  "meso_builder_type": "MesoCrystalBuilder",
  "lattice_length_a": 12.45,
  "lattice_length_c": 31.5,
  "nparticles": 10,
  "nanoparticle_radius": 5.0,
  "sigma_nanoparticle_radius": 0.3,
  "meso_height": 200,
  "meso_radius": 800,
  "sigma_meso_height": 10.0,
  "sigma_meso_radius": 10.0,
  "sigma_lattice_length_a": 1.6,
  "rotation_x": 0.0,
  "rotation_z": 0.0
}
```



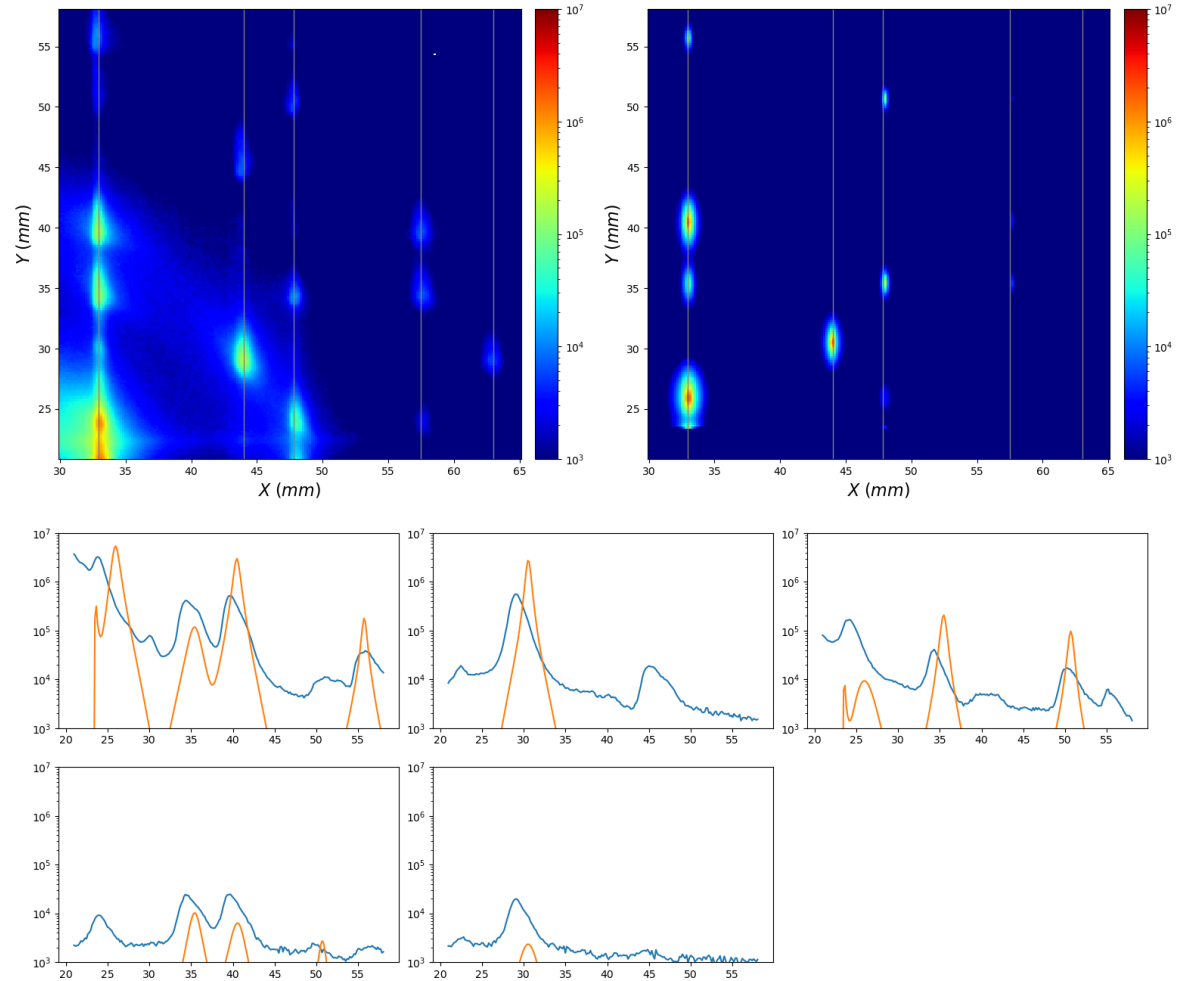
Single meso, surface\_filling\_ratio

```
{
  "sample_builder_type": "SampleBuilderVer1",
  "roughness": 6.0,
  "surface_filling_ratio": 0.26,
  "average_layer_thickness": 600,
  "meso_elevation": 10,
  "meso_factory_type": "RotatedMesoFactory",
  "phi_start": 0.0,
  "phi_stop": 60.0,
  "phi_steps": 60,
  "tilt_start": 0.0,
  "tilt_stop": 1.0,
  "tilt_steps": 1,
  "meso_builder_type": "MesoCrystalBuilder",
  "lattice_length_a": 12.45,
  "lattice_length_c": 31.5,
  "nparticles": 10,
  "nanoparticle_radius": 5.0,
  "sigma_nanoparticle_radius": 0.3,
  "meso_height": 200,
  "meso_radius": 800,
  "sigma_meso_height": 10.0,
  "sigma_meso_radius": 10.0,
  "sigma_lattice_length_a": 1.6,
  "rotation_x": 0.0,
  "rotation_z": 0.0
}
```



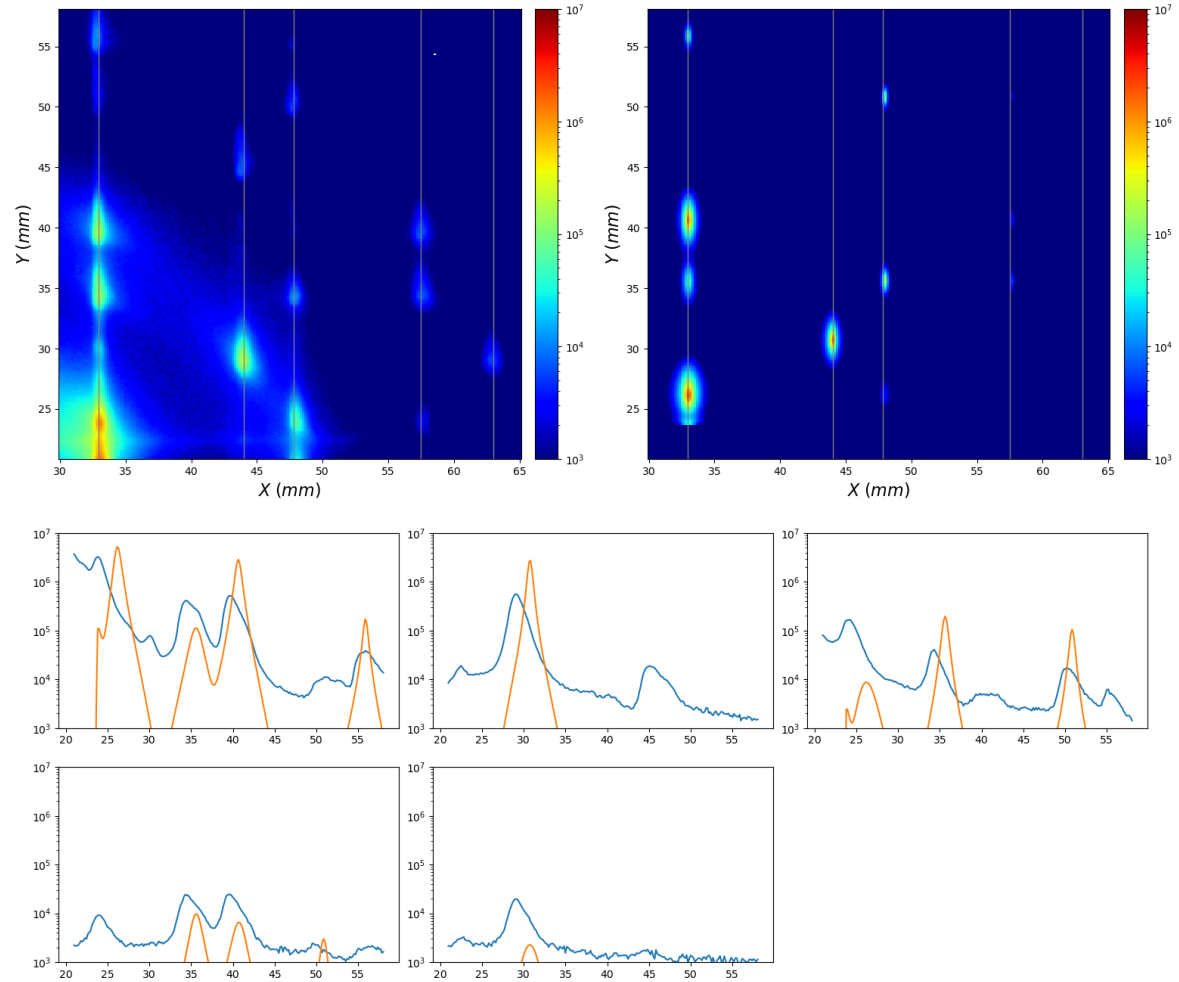
Single meso, surface\_filling\_ratio

```
{
  "sample_builder_type": "SampleBuilderVer1",
  "roughness": 6.0,
  "surface_filling_ratio": 0.30000000000000004,
  "average_layer_thickness": 600,
  "meso_elevation": 10,
  "meso_factory_type": "RotatedMesoFactory",
  "phi_start": 0.0,
  "phi_stop": 60.0,
  "phi_steps": 60,
  "tilt_start": 0.0,
  "tilt_stop": 1.0,
  "tilt_steps": 1,
  "meso_builder_type": "MesoCrystalBuilder",
  "lattice_length_a": 12.45,
  "lattice_length_c": 31.5,
  "nparticles": 10,
  "nanoparticle_radius": 5.0,
  "sigma_nanoparticle_radius": 0.3,
  "meso_height": 200,
  "meso_radius": 800,
  "sigma_meso_height": 10.0,
  "sigma_meso_radius": 10.0,
  "sigma_lattice_length_a": 1.6,
  "rotation_x": 0.0,
  "rotation_z": 0.0
}
```



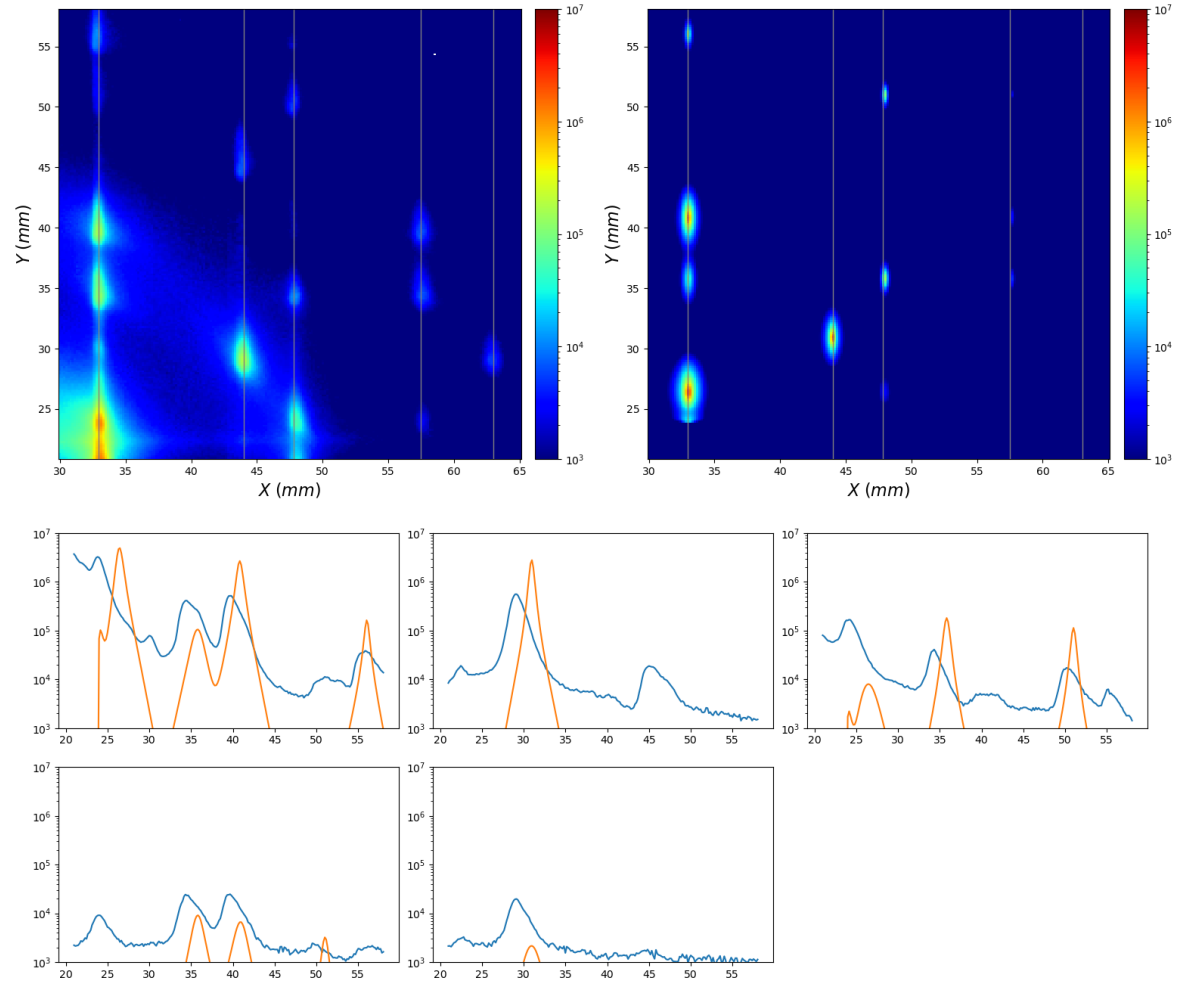
Single meso, surface\_filling\_ratio

```
{
  "sample_builder_type": "SampleBuilderVer1",
  "roughness": 6.0,
  "surface_filling_ratio": 0.33999999999999997,
  "average_layer_thickness": 600,
  "meso_elevation": 10,
  "meso_factory_type": "RotatedMesoFactory",
  "phi_start": 0.0,
  "phi_stop": 60.0,
  "phi_steps": 60,
  "tilt_start": 0.0,
  "tilt_stop": 1.0,
  "tilt_steps": 1,
  "meso_builder_type": "MesoCrystalBuilder",
  "lattice_length_a": 12.45,
  "lattice_length_c": 31.5,
  "nparticles": 10,
  "nanoparticle_radius": 5.0,
  "sigma_nanoparticle_radius": 0.3,
  "meso_height": 200,
  "meso_radius": 800,
  "sigma_meso_height": 10.0,
  "sigma_meso_radius": 10.0,
  "sigma_lattice_length_a": 1.6,
  "rotation_x": 0.0,
  "rotation_z": 0.0
}
```



Single meso, surface\_filling\_ratio

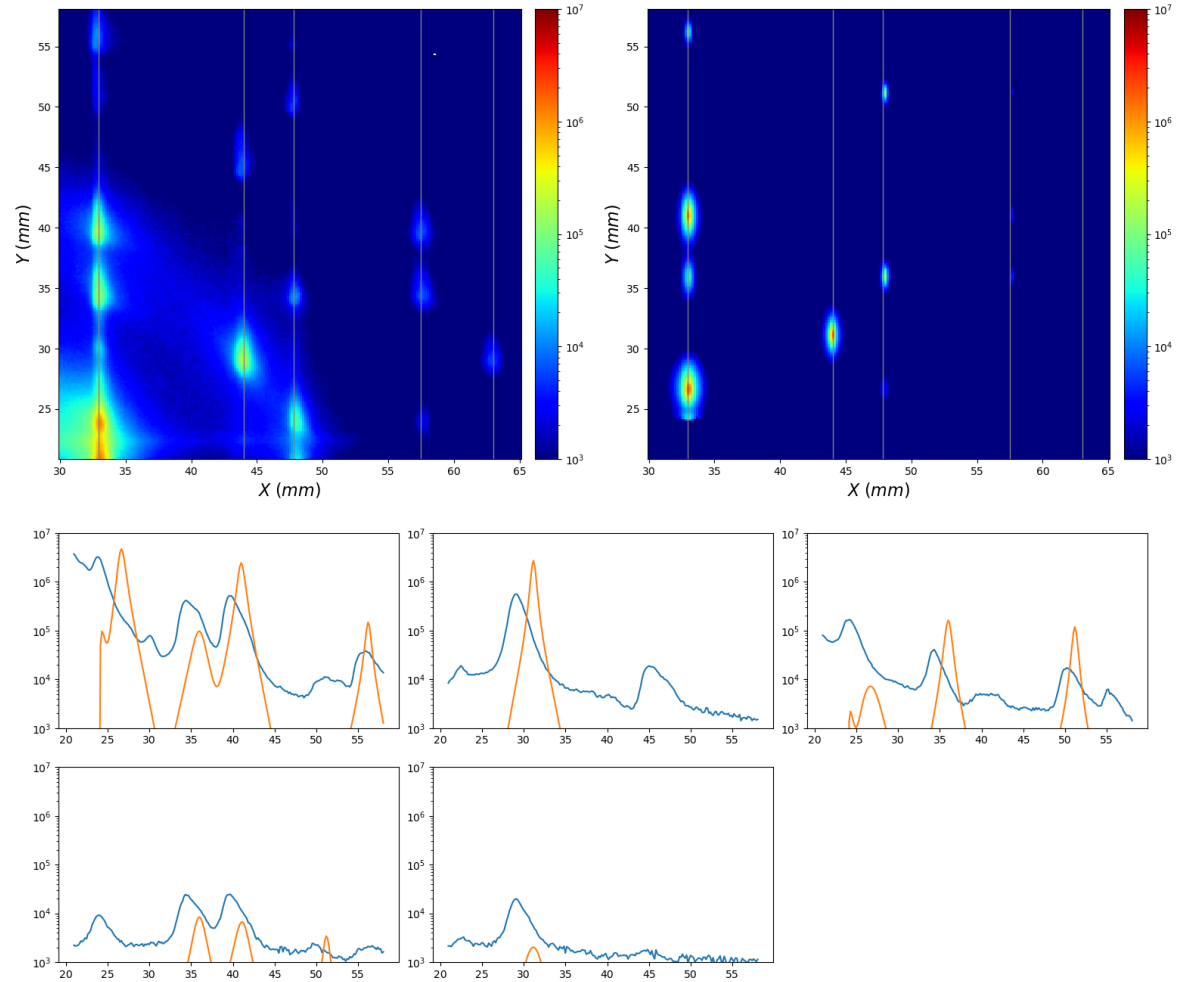
```
{
  "sample_builder_type": "SampleBuilderVer1",
  "roughness": 6.0,
  "surface_filling_ratio": 0.38,
  "average_layer_thickness": 600,
  "meso_elevation": 10,
  "meso_factory_type": "RotatedMesoFactory",
  "phi_start": 0.0,
  "phi_stop": 60.0,
  "phi_steps": 60,
  "tilt_start": 0.0,
  "tilt_stop": 1.0,
  "tilt_steps": 1,
  "meso_builder_type": "MesoCrystalBuilder",
  "lattice_length_a": 12.45,
  "lattice_length_c": 31.5,
  "nparticles": 10,
  "nanoparticle_radius": 5.0,
  "sigma_nanoparticle_radius": 0.3,
  "meso_height": 200,
  "meso_radius": 800,
  "sigma_meso_height": 10.0,
  "sigma_meso_radius": 10.0,
  "sigma_lattice_length_a": 1.6,
  "rotation_x": 0.0,
  "rotation_z": 0.0
}
```





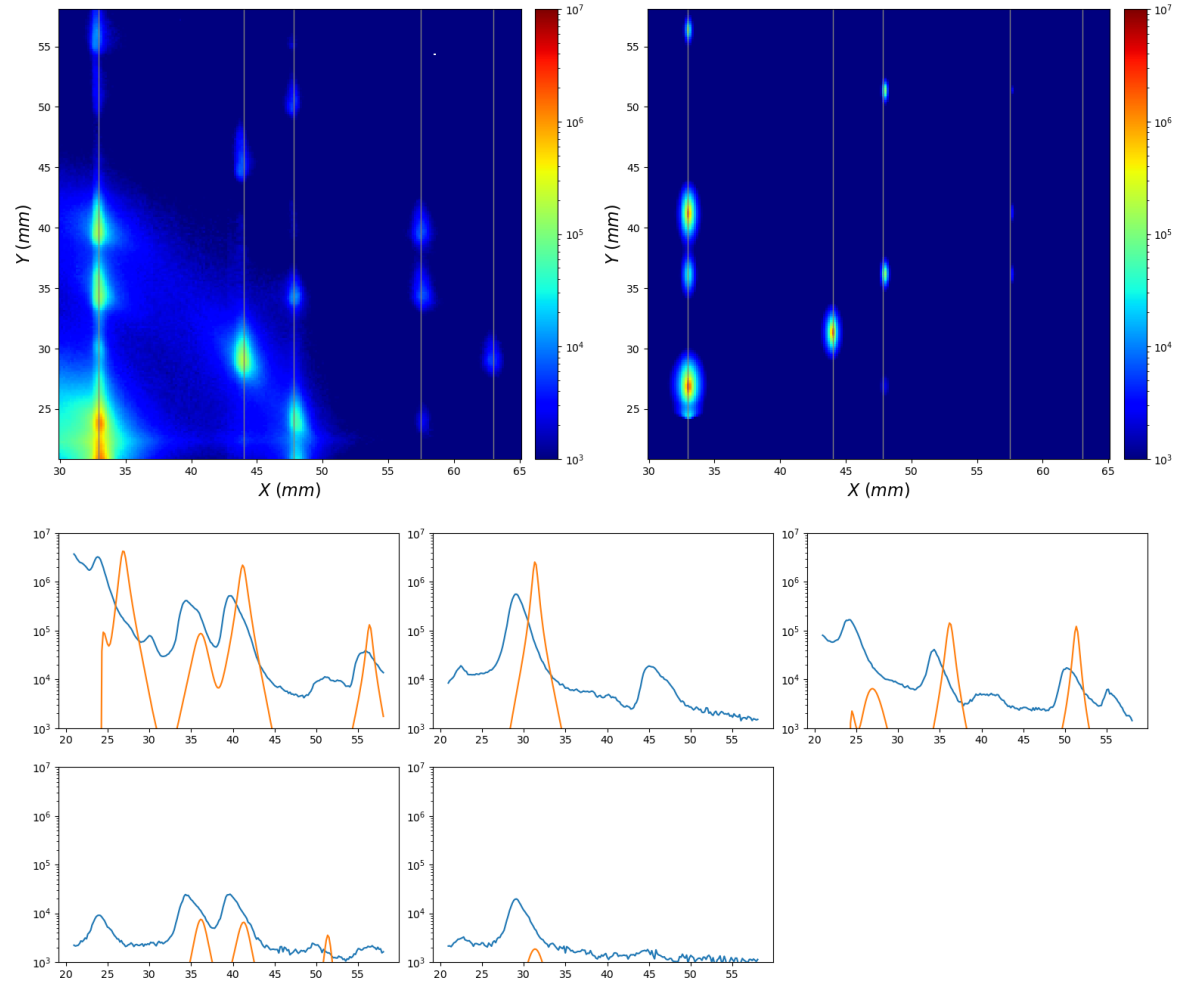
Single meso, surface\_filling\_ratio

```
{
  "sample_builder_type": "SampleBuilderVer1",
  "roughness": 6.0,
  "surface_filling_ratio": 0.42000000000000004,
  "average_layer_thickness": 600,
  "meso_elevation": 10,
  "meso_factory_type": "RotatedMesoFactory",
  "phi_start": 0.0,
  "phi_stop": 60.0,
  "phi_steps": 60,
  "tilt_start": 0.0,
  "tilt_stop": 1.0,
  "tilt_steps": 1,
  "meso_builder_type": "MesoCrystalBuilder",
  "lattice_length_a": 12.45,
  "lattice_length_c": 31.5,
  "nparticles": 10,
  "nanoparticle_radius": 5.0,
  "sigma_nanoparticle_radius": 0.3,
  "meso_height": 200,
  "meso_radius": 800,
  "sigma_meso_height": 10.0,
  "sigma_meso_radius": 10.0,
  "sigma_lattice_length_a": 1.6,
  "rotation_x": 0.0,
  "rotation_z": 0.0
}
```



Single meso, surface\_filling\_ratio

```
{
  "sample_builder_type": "SampleBuilderVer1",
  "roughness": 6.0,
  "surface_filling_ratio": 0.45999999999999996,
  "average_layer_thickness": 600,
  "meso_elevation": 10,
  "meso_factory_type": "RotatedMesoFactory",
  "phi_start": 0.0,
  "phi_stop": 60.0,
  "phi_steps": 60,
  "tilt_start": 0.0,
  "tilt_stop": 1.0,
  "tilt_steps": 1,
  "meso_builder_type": "MesoCrystalBuilder",
  "lattice_length_a": 12.45,
  "lattice_length_c": 31.5,
  "nparticles": 10,
  "nanoparticle_radius": 5.0,
  "sigma_nanoparticle_radius": 0.3,
  "meso_height": 200,
  "meso_radius": 800,
  "sigma_meso_height": 10.0,
  "sigma_meso_radius": 10.0,
  "sigma_lattice_length_a": 1.6,
  "rotation_x": 0.0,
  "rotation_z": 0.0
}
```



Single meso, surface\_filling\_ratio

```
{
  "sample_builder_type": "SampleBuilderVer1",
  "roughness": 6.0,
  "surface_filling_ratio": 0.5,
  "average_layer_thickness": 600,
  "meso_elevation": 10,
  "meso_factory_type": "RotatedMesoFactory",
  "phi_start": 0.0,
  "phi_stop": 60.0,
  "phi_steps": 60,
  "tilt_start": 0.0,
  "tilt_stop": 1.0,
  "tilt_steps": 1,
  "meso_builder_type": "MesoCrystalBuilder",
  "lattice_length_a": 12.45,
  "lattice_length_c": 31.5,
  "nparticles": 10,
  "nanoparticle_radius": 5.0,
  "sigma_nanoparticle_radius": 0.3,
  "meso_height": 200,
  "meso_radius": 800,
  "sigma_meso_height": 10.0,
  "sigma_meso_radius": 10.0,
  "sigma_lattice_length_a": 1.6,
  "rotation_x": 0.0,
  "rotation_z": 0.0
}
```

