

Name of The experiment = = "Sphere,large,mono"
[FCC%20Spheres]

ucb=47.7

FITFLAG_ucb=00

EditDet=10

FITFLAG_EditDet=00

RadButDebyeScherrer=false

FITFLAG_RadButDebyeScherrer=00

EditQmaxData=false

FITFLAG_EditQmaxData=00

EditRho=0.08

FITFLAG_EditRho=00

SigZ=40

FITFLAG_SigZ=00

EditPixelY=1

FITFLAG_EditPixelY=00

phi=0

FITFLAG_phi=10

BeamPosY=-4.5

FITFLAG_BeamPosY=10

CheckBoxWAXS=false

FITFLAG_CheckBoxWAXS=00

bcpl=0

FITFLAG_bcpl=00

SigmaL=0.11

FITFLAG_SigmaL=00

EditSigma=0.07

FITFLAG_EditSigma=10

reff=0

FITFLAG_reff=00

Az2=0

FITFLAG_Az2=00

ucbeta=90

FITFLAG_ucbeta=00

```
EditDomainSize=220
FITFLAG_EditDomainSize=00
SigX=40
FITFLAG_SigX=00
LType=12
FITFLAG_LType=00
Az3=1
FITFLAG_Az3=00
EditCeff=0.01
FITFLAG_EditCeff=00
VAX1=1
FITFLAG_VAX1=00
EditBFactor=1
FITFLAG_EditBFactor=00
RadioButtonPara=false
FITFLAG_RadioButtonPara=00
uca=47.7
FITFLAG_uca=00
iso=1
FITFLAG_iso=10
GridPoints=100
FITFLAG_GridPoints=00
EditWavelength=0.154
FITFLAG_EditWavelength=00
EditRadius=20
FITFLAG_EditRadius=10
acpl=0
FITFLAG_acpl=00
ucc=26.2
FITFLAG_ucc=00
FITFLAG_EditDist=00
EditQmaxPreset=true
FITFLAG_EditQmaxPreset=00
ComboBoxParticle=0
```

```
FITFLAG_ComboBoxParticle=00
EditDebyeWaller=1
FITFLAG_EditDebyeWaller=00
RotAlpha=0
FITFLAG_RotAlpha=00
rfluc=0
FITFLAG_rfluc=00
EditDbeta=0.4
FITFLAG_EditDbeta=00
Az1=0
FITFLAG_Az1=00
ComboBoxPeak=7
FITFLAG_ComboBoxPeak=00
ifluc=0
FITFLAG_ifluc=00
ucn2=0
FITFLAG_ucn2=00
BeamPosX=28.2
FITFLAG_BeamPosX=10
Ordis=7
FITFLAG_Ordis=00
EditQmax=2
FITFLAG_EditQmax=00
EditRadiusi=2.68
FITFLAG_EditRadiusi=00
Ay1=0
FITFLAG_Ay1=00
HKLmax=3
FITFLAG_HKLmax=00
ucgamma=90
FITFLAG_ucgamma=00
theta=0
FITFLAG_theta=10
rotPhi=0
```

```
FITFLAG_rotPhi=00
ucn3=0
FITFLAG_ucn3=00
EditPixelNoX=128
FITFLAG_EditPixelNoX=00
CheckBoxTwinned=false
FITFLAG_CheckBoxTwinned=00
P1=0
FITFLAG_P1=00
CalcQmax=1.665
FITFLAG_CalcQmax=00
SigY=40
FITFLAG_SigY=00
CenterBeam=false
FITFLAG_CenterBeam=00
ucalpha=90
FITFLAG_ucalpha=00
EditPeakPar=0
FITFLAG_EditPeakPar=10
Length=28.6
FITFLAG_Length=00
ComboBoxInterior=0
FITFLAG_ComboBoxInterior=00
I0=1000
FITFLAG_I0=10
FITFLAG_EditRelDis=00
Ay2=1
FITFLAG_Ay2=00
rotTheta=0
FITFLAG_rotTheta=00
Base=0
FITFLAG_Base=10
EditPixelNoY=128
FITFLAG_EditPixelNoY=00
```

```
EditCeffcyl=0
FITFLAG_EditCeffcyl=10
ucn1=1
FITFLAG_ucn1=00
VAx3=0
FITFLAG_VAx3=00
Alpha=0
FITFLAG_Alpha=00
EditPixelX=1
FITFLAG_EditPixelX=00
ucpsi=0
FITFLAG_ucpsi=00
Ay3=0
FITFLAG_Ay3=00
VAx2=0
FITFLAG_VAx2=00
EditAzi=0.01
FITFLAG_EditAzi=00
```

[Inputs]

```
RadioButtonQ1=false
RadioButtonQ2=false
RadioButtonQ4=true
ExpandImage=true
EditAxis1x=1
EditAxis1y=0
EditAxis1z=0
EditAxis2x=0
EditAxis2y=1
EditAxis2z=0
EditAxis3x=0
EditAxis3y=0
EditAxis3z=1
Editdom1=40
```

```
Editdom2=40  
Editdom3=40  
HKLmax=3  
GridPoints=100  
Threads=4  
EditCenterX=28.2  
EditCenterY=-4.5  
Comment="Sphere, large, mono"
```

[AI]

```
LastSubDir=C:/SimLab/sas-crystal/20240123-  
ModulTests/Sphere  
Grayscale=1  
FileInputEna=false  
FileInputLast=  
FileClass=mono  
GenerateIFFT=false  
LinOut=false  
ScaleOut=false
```

Name of The experiment = = "BCC,iso"

[FCC%20Spheres]

ucb=21

FITFLAG_ucb=00

EditDet=1

FITFLAG_EditDet=00

RadButDebyeScherrer=false

FITFLAG_RadButDebyeScherrer=00

EditQmaxData=false

FITFLAG_EditQmaxData=00

EditRho=0

FITFLAG_EditRho=00

SigZ=40

FITFLAG_SigZ=00

EditPixelY=0.172

FITFLAG_EditPixelY=00

phi=0

FITFLAG_phi=10

BeamPosY=0

FITFLAG_BeamPosY=10

CheckBoxWAXS=false

FITFLAG_CheckBoxWAXS=00

bcpl=0

FITFLAG_bcpl=00

SigmaL=0.06

FITFLAG_SigmaL=00

EditSigma=0.1

FITFLAG_EditSigma=10

reff=0

FITFLAG_reff=00

Az2=0

FITFLAG_Az2=00

ucbeta=90

```
FITFLAG_ucbeta=00
EditDomainSize=120
FITFLAG_EditDomainSize=10
SigX=40
FITFLAG_SigX=00
LType=4
FITFLAG_LType=00
Az3=1
FITFLAG_Az3=00
EditCeff=0.01
FITFLAG_EditCeff=00
VAX1=1
FITFLAG_VAX1=00
EditBFactor=1
FITFLAG_EditBFactor=00
RadioButtonPara=false
FITFLAG_RadioButtonPara=00
uca=26
FITFLAG_uca=10
iso=0
FITFLAG_iso=10
GridPoints=100
FITFLAG_GridPoints=00
EditWavelength=0.09499
FITFLAG_EditWavelength=00
EditRadius=8
FITFLAG_EditRadius=10
acpl=0
FITFLAG_acpl=00
ucc=21
FITFLAG_ucc=00
FITFLAG_EditDist=00
EditQmaxPreset=true
FITFLAG_EditQmaxPreset=00
```



```
ComboBoxParticle=0
FITFLAG_ComboBoxParticle=00
EditDebyeWaller=5
FITFLAG_EditDebyeWaller=10
RotAlpha=0
FITFLAG_RotAlpha=00
rfluc=0
FITFLAG_rfluc=00
EditDbeta=0.4
FITFLAG_EditDbeta=00
Az1=0
FITFLAG_Az1=00
ComboBoxPeak=1
FITFLAG_ComboBoxPeak=00
ifluc=0
FITFLAG_ifluc=00
ucn2=1
FITFLAG_ucn2=00
BeamPosX=0
FITFLAG_BeamPosX=10
Ordis=7
FITFLAG_Ordis=00
EditQmax=1
FITFLAG_EditQmax=00
EditRadiusi=0
FITFLAG_EditRadiusi=00
Ay1=0
FITFLAG_Ay1=00
HKLmax=5
FITFLAG_HKLmax=00
ucgamma=90
FITFLAG_ucgamma=00
theta=0
FITFLAG_theta=10
```

```
rotPhi=0
FITFLAG_rotPhi=00
ucn3=0
FITFLAG_ucn3=00
EditPixelNoX=2048
FITFLAG_EditPixelNoX=00
CheckBoxTwinned=true
FITFLAG_CheckBoxTwinned=00
P1=0
FITFLAG_P1=00
CalcQmax=1.1491
FITFLAG_CalcQmax=00
SigY=40
FITFLAG_SigY=00
CenterBeam=false
FITFLAG_CenterBeam=00
ucalpha=90
FITFLAG_ucalpha=00
EditPeakPar=0
FITFLAG_EditPeakPar=00
Length=1
FITFLAG_Length=00
ComboBoxInterior=0
FITFLAG_ComboBoxInterior=00
I0=10000
FITFLAG_I0=10
FITFLAG_EditRelDis=00
Ay2=1
FITFLAG_Ay2=00
rotTheta=0
FITFLAG_rotTheta=00
Base=0
FITFLAG_Base=10
EditPixelNoY=2048
```

```
FITFLAG_EditPixelNoY=00
EditCeffcyl=0
FITFLAG_EditCeffcyl=00
ucn1=1
FITFLAG_ucn1=00
VAX3=0
FITFLAG_VAX3=00
Alpha=0
FITFLAG_Alpha=00
EditPixelX=0.172
FITFLAG_EditPixelX=00
ucpsi=0
FITFLAG_ucpsi=00
Ay3=0
FITFLAG_Ay3=00
VAX2=0
FITFLAG_VAX2=00
EditAzi=40
FITFLAG_EditAzi=10
```

[Inputs]

```
RadioButtonQ1=false
RadioButtonQ2=true
RadioButtonQ4=false
ExpandImage=true
EditAxis1x=1
EditAxis1y=0
EditAxis1z=0
EditAxis2x=0
EditAxis2y=1
EditAxis2z=0
EditAxis3x=0
EditAxis3y=0
EditAxis3z=1
```

```
Editdom1=40  
Editdom2=40  
Editdom3=40  
HKLmax=5  
GridPoints=100  
Threads=4  
EditCenterX=0  
EditCenterY=0  
Comment="BCC,iso"
```

[AI]

```
LastSubDir=C:/SimLab/sas-crystal/20220909/Testfiles  
Grayscale=2  
FileInputEna=false  
FileInputLast=  
FileClass={T}  
GenerateIFFT=true  
LinOut=false  
ScaleOut=true
```

Name of The experiment = "Cylinders,oriented"

[FCC%20Spheres]

ucb=40.2

FITFLAG_ucb=00

EditDet=10

FITFLAG_EditDet=00

RadButDebyeScherrer=false

FITFLAG_RadButDebyeScherrer=00

EditQmaxData=false

FITFLAG_EditQmaxData=00

EditRho=0.14

FITFLAG_EditRho=00

SigZ=40

FITFLAG_SigZ=00

EditPixelY=1

FITFLAG_EditPixelY=00

phi=0

FITFLAG_phi=10

BeamPosY=0

FITFLAG_BeamPosY=10

CheckBoxWAXS=false

FITFLAG_CheckBoxWAXS=00

bcpl=0

FITFLAG_bcpl=00

SigmaL=0.16

FITFLAG_SigmaL=10

EditSigma=0.1

FITFLAG_EditSigma=10

reff=0

FITFLAG_reff=00

Az2=0

FITFLAG_Az2=00

```
ucbeta=90
FITFLAG_ucbeta=00
EditDomainSize=250
FITFLAG_EditDomainSize=00
SigX=40
FITFLAG_SigX=00
LType=12
FITFLAG_LType=00
Az3=1
FITFLAG_Az3=00
EditCeff=0.01
FITFLAG_EditCeff=00
VAX1=1
FITFLAG_VAX1=00
EditBFactor=0.01
FITFLAG_EditBFactor=00
RadioButtonPara=false
FITFLAG_RadioButtonPara=00
uca=40.2
FITFLAG_uca=00
iso=0
FITFLAG_iso=10
GridPoints=100
FITFLAG_GridPoints=00
EditWavelength=0.154
FITFLAG_EditWavelength=00
EditRadius=3
FITFLAG_EditRadius=10
acpl=0
FITFLAG_acpl=00
ucc=44
FITFLAG_ucc=00
FITFLAG_EditDist=00
EditQmaxPreset=true
```

```
FITFLAG_EditQmaxPreset=00
ComboBoxParticle=1
FITFLAG_ComboBoxParticle=00
EditDebyeWaller=1.82
FITFLAG_EditDebyeWaller=00
RotAlpha=0
FITFLAG_RotAlpha=00
rfluc=0
FITFLAG_rfluc=00
EditDbeta=20
FITFLAG_EditDbeta=00
Az1=0
FITFLAG_Az1=00
ComboBoxPeak=7
FITFLAG_ComboBoxPeak=00
ifluc=0
FITFLAG_ifluc=00
ucn2=0
FITFLAG_ucn2=00
BeamPosX=0
FITFLAG_BeamPosX=10
Ordis=0
FITFLAG_Ordis=00
EditQmax=2
FITFLAG_EditQmax=00
EditRadiusi=5.63
FITFLAG_EditRadiusi=00
Ay1=0
FITFLAG_Ay1=00
HKLmax=3
FITFLAG_HKLmax=00
ucgamma=90
FITFLAG_ucgamma=00
theta=90
```

```
FITFLAG_theta=10
rotPhi=0
FITFLAG_rotPhi=00
ucn3=0
FITFLAG_ucn3=00
EditPixelNoX=128
FITFLAG_EditPixelNoX=00
CheckBoxTwinned=false
FITFLAG_CheckBoxTwinned=00
P1=0
FITFLAG_P1=00
CalcQmax=0.4121
FITFLAG_CalcQmax=00
SigY=40
FITFLAG_SigY=00
CenterBeam=false
FITFLAG_CenterBeam=00
ucalpha=90
FITFLAG_ucalpha=00
EditPeakPar=0
FITFLAG_EditPeakPar=10
Length=15
FITFLAG_Length=10
ComboBoxInterior=0
FITFLAG_ComboBoxInterior=00
I0=1000
FITFLAG_I0=10
FITFLAG_EditRelDis=00
Ay2=1
FITFLAG_Ay2=00
rotTheta=0
FITFLAG_rotTheta=00
Base=0
FITFLAG_Base=10
```



```
EditPixelNoY=128
FITFLAG_EditPixelNoY=00
EditCeffcyl=0
FITFLAG_EditCeffcyl=10
ucn1=1
FITFLAG_ucn1=00
VAX3=0
FITFLAG_VAX3=00
Alpha=0
FITFLAG_Alpha=00
EditPixelX=1
FITFLAG_EditPixelX=00
ucpsi=0
FITFLAG_ucpsi=00
Ay3=0
FITFLAG_Ay3=00
VAX2=0
FITFLAG_VAX2=00
EditAzi=0.03
FITFLAG_EditAzi=00
```

[Inputs]

```
RadioButtonQ1=false
RadioButtonQ2=false
RadioButtonQ4=true
ExpandImage=true
EditAxis1x=1
EditAxis1y=0
EditAxis1z=0
EditAxis2x=0
EditAxis2y=1
EditAxis2z=0
EditAxis3x=0
EditAxis3y=0
```

```
EditAxis3z=1
Editdom1=40
Editdom2=40
Editdom3=40
HKLmax=3
GridPoints=100
Threads=4
EditCenterX=0
EditCenterY=0
Comment="Cylinders,oriented"
```

[AI]

```
LastSubDir=C:/SimLab/sas-crystal/20220909/Testfiles
Grayscale=2
FileInputEna=false
FileInputLast=
FileClass={T}
GenerateIFFT=true
LinOut=false
ScaleOut=true
```

Name of The experiment = "Disks"

[FCC%20Spheres]

ucb=24.9
FITFLAG_ucb=00
EditDet=10
FITFLAG_EditDet=00
RadButDebyeScherrer=false
FITFLAG_RadButDebyeScherrer=00
EditQmaxData=false
FITFLAG_EditQmaxData=00
EditRho=0.14
FITFLAG_EditRho=00
SigZ=40
FITFLAG_SigZ=00
EditPixelY=1
FITFLAG_EditPixelY=00
phi=0
FITFLAG_phi=10
BeamPosY=31
FITFLAG_BeamPosY=10
CheckBoxWAXS=false
FITFLAG_CheckBoxWAXS=00
bcpl=0
FITFLAG_bcpl=00
SigmaL=0.1
FITFLAG_SigmaL=10
EditSigma=0.1
FITFLAG_EditSigma=10
reff=0
FITFLAG_reff=00

```
Az2=0
FITFLAG_Az2=00
ucbeta=90
FITFLAG_ucbeta=00
EditDomainSize=250
FITFLAG_EditDomainSize=00
SigX=40
FITFLAG_SigX=00
LType=12
FITFLAG_LType=00
Az3=1
FITFLAG_Az3=00
EditCeff=0.01
FITFLAG_EditCeff=00
VAX1=1
FITFLAG_VAX1=00
EditBFactor=1
FITFLAG_EditBFactor=00
RadioButtonPara=false
FITFLAG_RadioButtonPara=00
uca=24.9
FITFLAG_uca=00
iso=0
FITFLAG_iso=10
GridPoints=100
FITFLAG_GridPoints=00
EditWavelength=0.154
FITFLAG_EditWavelength=00
EditRadius=4
FITFLAG_EditRadius=10
acpl=0
FITFLAG_acpl=00
ucc=25.8
FITFLAG_ucc=00
```

```
FITFLAG_EditDist=00
EditQmaxPreset=true
FITFLAG_EditQmaxPreset=00
ComboBoxParticle=2
FITFLAG_ComboBoxParticle=00
EditDebyeWaller=1.71
FITFLAG_EditDebyeWaller=00
RotAlpha=0
FITFLAG_RotAlpha=00
rfluc=0
FITFLAG_rfluc=00
EditDbeta=0.3
FITFLAG_EditDbeta=00
Az1=0
FITFLAG_Az1=00
ComboBoxPeak=7
FITFLAG_ComboBoxPeak=00
ifluc=0
FITFLAG_ifluc=00
ucn2=0
FITFLAG_ucn2=00
BeamPosX=57
FITFLAG_BeamPosX=10
Ordis=7
FITFLAG_Ordis=00
EditQmax=2
FITFLAG_EditQmax=00
EditRadiusi=6.6
FITFLAG_EditRadiusi=00
Ay1=0
FITFLAG_Ay1=00
HKLmax=3
FITFLAG_HKLmax=00
ucgamma=90
```

```
FITFLAG_ucgamma=00
theta=0
FITFLAG_theta=10
rotPhi=0
FITFLAG_rotPhi=00
ucn3=0
FITFLAG_ucn3=00
EditPixelNoX=128
FITFLAG_EditPixelNoX=00
CheckBoxTwinned=false
FITFLAG_CheckBoxTwinned=00
P1=0
FITFLAG_P1=00
CalcQmax=0.4121
FITFLAG_CalcQmax=00
SigY=40
FITFLAG_SigY=00
CenterBeam=false
FITFLAG_CenterBeam=00
ucalpha=90
FITFLAG_ucalpha=00
EditPeakPar=0
FITFLAG_EditPeakPar=10
Length=15
FITFLAG_Length=10
ComboBoxInterior=0
FITFLAG_ComboBoxInterior=00
I0=1000
FITFLAG_I0=10
FITFLAG_EditRelDis=00
Ay2=1
FITFLAG_Ay2=00
rotTheta=0
FITFLAG_rotTheta=00
```

```
Base=0
FITFLAG_Base=10
EditPixelNoY=128
FITFLAG_EditPixelNoY=00
EditCeffcyl=0
FITFLAG_EditCeffcyl=10
ucn1=1
FITFLAG_ucn1=00
VAX3=0
FITFLAG_VAX3=00
Alpha=0
FITFLAG_Alpha=00
EditPixelX=1
FITFLAG_EditPixelX=00
ucpsi=0
FITFLAG_ucpsi=00
Ay3=0
FITFLAG_Ay3=00
VAX2=0
FITFLAG_VAX2=00
EditAzi=0.02
FITFLAG_EditAzi=00
```

[Inputs]

```
RadioButtonQ1=false
RadioButtonQ2=false
RadioButtonQ4=true
ExpandImage=true
EditAxis1x=1
EditAxis1y=0
EditAxis1z=0
EditAxis2x=0
EditAxis2y=1
EditAxis2z=0
```

```
EditAxis3x=0
EditAxis3y=0
EditAxis3z=1
Editdom1=40
Editdom2=40
Editdom3=40
HKLmax=3
GridPoints=100
Threads=4
EditCenterX=57
EditCenterY=31
Comment="Disks"
```

[AI]

```
LastSubDir=C:/SimLab/sas-crystal/20220909/Testfiles
Grayscale=2
FileInputEna=false
FileInputLast=
FileClass={T}
GenerateIFFT=true
LinOut=false
ScaleOut=true
```


