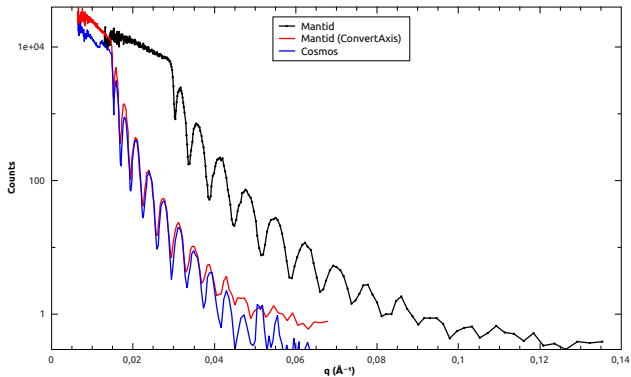


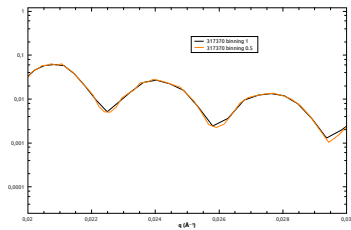
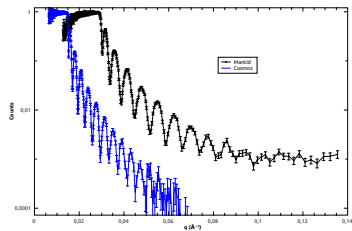
# Comparison Cosmos Mantid

- ▶ Data after loading correct
- ▶ TOF x-axis with minor differences

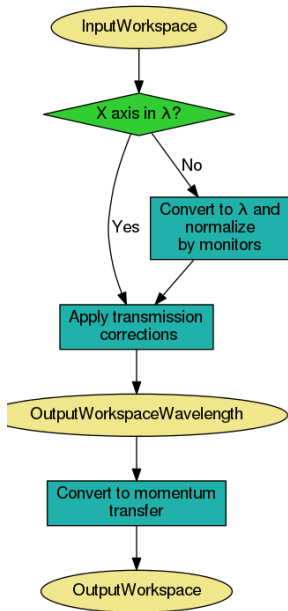
Initial comparison of basic reduction steps (selection wavelength range, axis conversion, binning)



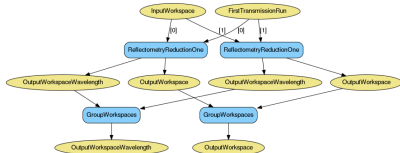
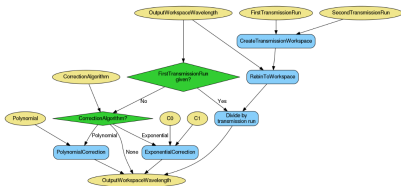
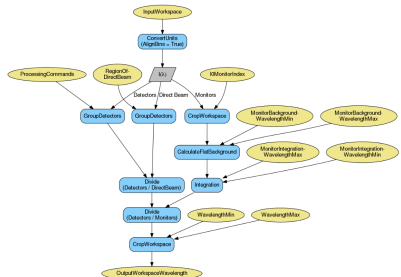
# Comparison Cosmos Mantid



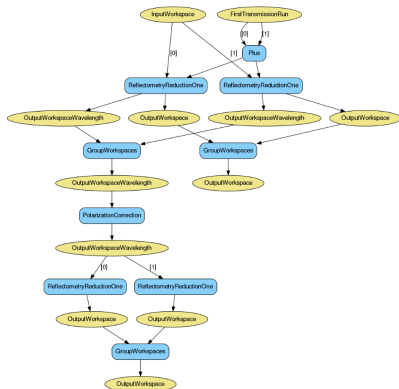
# Mantid



# Mantid



# Mantid



# Mantid

```
DB = LoadILLReflectometry('/home/cs/reimund/Desktop/D17/317369.nxs')
A1 = LoadILLReflectometry('/home/cs/reimund/Desktop/D17/317370.nxs')
DB = CorrectTOFAxis(DB, ReferenceWorkspace=A1)
x = DB.readX(0)
for i in range(DB.getNumberHistograms()):
    DB.setX(i, x)
DB, DB = ReflectometryReductionOne(DB, WavelengthMin=2.5, WavelengthMax=27.0,
ProcessingInstructions='2-257')
DB = ConvertUnits(DB, Target=Wavelength, AlignBins=True) (Loader)
DB = CropWorkspace(DB, Xmin=2.5, XMax=27.0)
DB = GroupDetectors(DB, GroupingPattern = '2-257')
Res = Divide(LHSWorkspace=A1, RHSWorkspace=DB)
ResQ = ConvertUnits(Res, Target=MomentumTransfer)
```