

o technique agnostic multidimensional workspaces

- mantid.math.multidimensional.Rebin (BinMD / SliceMD)
- o does not include ConvertToMD
- mantid.metadata
 - o logs, title, but not history
 - AddLog (instead of AddSampleLog), CorrectLogTimes
- mantid.muons
 - o muon related stuff
 - CalculateAsymmetry (instead of AsymmetryCalc)
- mantid neutrons
 - o things that are related to neutrons (time of flight), but not specific to a certain subfield (like diffraction)
 - ConvertUnits, ConvertToMultiDimensionalWorkspace (ConvertToMD),
 - $\verb|OmnaliseByProtonCharge (NormaliseByCurrent), Correct3HeTubeEfficiency (He3TubeEfficiency)| \\$
- mantid.neutrons.crystal
 - $\circ \ \ \text{single crystal stuff. Will include } \ \ \text{UnitCell} \ , \ \ \text{OrientedLattice} \ , \ \ \text{SymmetryOperation}$
 - SetUB, FindPeaksReciprocalSpace (FindPeaksMD), IndexPeaks
- mantid.neutrons.diffraction
 - o powder/amorphous diffraction stuff
 - O StripVanadiumPeaks, AlignAndFocusPowder
- mantid.neutrons.inelastic
 - o algorithms related to both direct and indirect inelastic spectroscopy
 - $\verb| O GetIncidentEnergy (GetEi), CorrectKiKf, CalculateDynamicStructureFactor (SofQW)| \\$
- mantid.neutrons.reactor
 - o single wavelength algorithms
 - o right now most are facility specific
- mantid.neutrons.reflectometry
 - O FindReflectometryLines
- mantid.neutrons.sans
 - CalculateEfficiency
- mantid.constants
 - o no algorithms here
 - o physical constants
 - o neutronic constants
- mantid.remote
 - SubmitRemoteJob , AbortRemoteJob
- mantid.simulations
 - o deal with outside simulation programs (CASTEP, SASSENA, ...)
 - CalculateInelasticScatteringFromAbInitioPhonon (Abins)
- mantid.workspace
 - o manipulate workspaces, history
 - o should we move all workspace objects here?
 - $\verb|OR RenameWorkspace|, GroupWorkspaces|, CompareWorkspaces|, AddCommentToHistory| (Comment|) \\$
- mantid.ap
 - o the current mantid.api (workspaces, validators, algorithm)

Facility Specific Libraries

- mantid.ess
- · mantid.hfir
- mantid.ill
- mantid.ral (or mantid.isis)

- mantid.sns
- can add instrument or technique specific sublibraries
 - o mantid.sns.corelli.CrossCorelate
 - o mantid.sns.inelastic.GetIncidentEnergy

Other Changes

- Move things from mantid.kernel (mostly to mantid.math or mantid.api)
- Move things from mantid.geometry (mostly into mantid.math.instrument)

New names

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