Crystal Plan at ISIS

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Beam time available at a large x-ray or neutron scattering facility is always a limiting factor in experiment planning. *CrystalPlan*1 was developed at the SNS to help users optimize their allocated time. The program can visualize the reciprocal space covered by a TOF single crystal diffractometer for a given sample and help the user build an experimental plan maximizing coverage while minimizing redundancy.

Recent work has now been undertaken to bring *CrystalPlan* to instruments at ISIS. New instrument definitions and goniometers have been added for the WISH & SXD instruments. Additionally, the software has been ported to, and packaged for, multiple OS’s and is now supported on Windows, OSX, and Linux.

### References

[1] Zikovsky, J., Peterson, P. F., Wang, X. P., Frost, M. & Hoffmann, C. (2011). J. Appl. Cryst. 44, 418-423.