

TABLE OF CONTENTS

A Preliminary Time-Of-Flight Neutron Diffraction Study Of a Site-Specific Mutant (W3Y) of Rubredoxin From Pyrococcus Furiosus

Paul Langan, Xinmin Li, and Benno P. Schoenborn

Analysis of Neutron Laue Diffraction from Deuterium-Exchanged TRP Repressor

Catherine L. Lawson and Alexander S. Chin

Towards Large Molecule Crystallography at ISIS

Chick C. Wilson

Hydrogen and Hydration in Protein Structural Chemistry

Nobuo Niimura, Ichiro Tanaka, Toshiyuki Chatake, Kazuo Kurihara, Mitsuru Maeda and Shigeki Arai

Evolution and Directions in Macromolecular Neutron Science

Benno P. Schoenborn

Neutron “Small-Angle” Crystallography: Contrast Variation in Single Crystals of Biological Macromolecules

P.A. Timmins

Design and Expected Performance of a High Resolution Macromolecular Neutron Diffraction (MaNDi) at the Spallation Neutron Source

P. Thiagarajan, A.J. Schultz, Ch. Rehm, J.P. Hodges, W.T. Lee and A. Mesecar

Recent Trends and Advances in Neutron Macromolecular Crystallography

D.A.A. Myles

Neutron Protein Crystallography; Some Case Studies at Current Capabilities And Beyond

Matthew Blakeley, Jarjis Habash, John. R. Helliwell, Dean Myles and James Raftery