

Laboratory SAXS-WAXS: first-hand experiences in a multiuser research facility

Youli Li

Materials Research Laboratory, University of California at Santa Barbara, Santa Barbara, CA 93106,
USA

E-mail: youli@mrl.ucsb.edu

Abstract

We will present two aspects that are related to application of laboratory SAXS-WAXS techniques in a multidisciplinary research facility. In the first part we will present some latest SAXS-WAXS technological advances leading to enhanced performance, including optics, system design and detectors. In particular we will present first side-by-side laboratory SAXS-WAXS comparison results of Pilatus and Eiger series of detectors. In the second part of the talk we will show examples of scientific research in which laboratory SAXS-WAXS provided key insights.