

White Paper

Chemical State Analysis with the **QuantumLeap-H2000™** X-ray Spectroscopy System

The QuantumLeap-H2000™ is the first laboratory system capable of achieving synchrotron-grade performance x-ray absorption spectroscopy (XAS) in both transmission and fluorescence modes to provide access to chemical state and electronic structure information.

This white paper will review the principles of XAS and the Sigray QuantumLeap-H2000™'s design innovations