BRIGHTSPEC

Smart devices . Professional solutions

The perfect package for high-resolution X-ray spectrometry
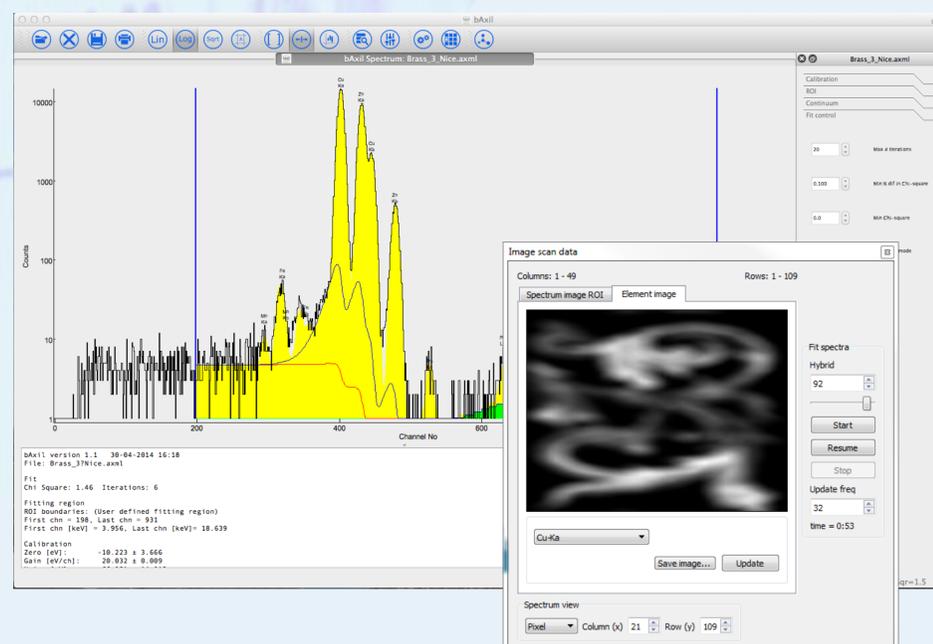
DETECTOR

- Silicon Drift Detector (SDD)
- In several active areas: 10 , 40, 65, 100 and 175 mm^2
- Exceptional P/B > 15k
- High energy resolutions
  - <130 eV with SDD of 20 mm^2
  - <140 eV with large SDD (e.g. 175 mm^2)

MCA

- Compact DSP-based MCA with up to 16K MCA memory, 32-bit depth. Fast flash 14-bit ADC.
- PHA, MCS, LIST and TLIST data acquisition modes
  - **TList mode with < 40 nsec time resolution**
- Two Programmable I/O ports
- USB connection to the PC or stand-alone with power adaptor
- Programming libraries for easy interface
  - Linux
  - MS Windows

SOFTWARE

- Full bAxil software package
- Advanced spectrum analysis with several peak shape functions and continuum models
- Hybrid (linear and non-linear) spectrum fitting for ultra fast spectrum process for large image scan analysis
- Quantitative analysis using several methods
- Batch unattended file spectrum analysis
- **MCA control embedded into bAxil**

Visit us at our Web site:

www.brightspec.be