

Eastern European Spectrometer



Overview

Europe's first TES spectrometer is transforming X-ray research with up to 1,000 times greater sensitivity, making once impossible experiments finally possible. Kvashnina, ESRF – The European Synchrotron, France ‡ Present address: Attosecond and Ultrafast Optics Group, ICFO – The Institute of Photonics Sciences, Barcelona, Spain. Keywords: X-ray free-electron lasers; X-ray. European Spectrometry Services are world leaders in mass spectrometry systems. On-site or in-house maintenance and repairs can be provided on all. A set of electron time-of-flight spectrometers for high-resolution angle-resolved spectroscopy was developed for the Small Quantum Systems (SQS) instrument at the SASE3 soft X-ray branch of the European XFEL. It is specifically designed for experiments requiring high spatial resolution, high sensitivity. Hi-resolution detectors with frame rates up to 75 fps By working closely with.



Article Content

Europe's Spectrometers and Spectrophotometers Market Report 2026 ...

This comprehensive analysis provides a strategic examination of the European market for spectrometers and spectrophotometers, a critical instrumentation sector underpinning scientific

22 Spectroradiometer Manufacturers in 2026 | Metoree

Company Overview StellarNet, Inc. is an American miniature spectrometer system products manufacturer and supplier that was established in Tampa, Florida, in 1991. The company's product

A pioneering spectrometer for hard X-rays

Researchers at the European XFEL have developed a new device for X-ray measurements at high photon energies—a so-called Laue spectrometer. It enables X-ray light with photon energies of over

Mass Spectrometry Conferences | Europe | Asia | Middle East

Peers Alley Media Invites Experts and Performers to Participate at Mass Spectrometry Conferences. The event will welcome more than 300+ attendees from Europe, USA, Asia, Middle East,

CLASSIFICATION OF ARCHAEOLOGICAL ADHESIVES FROM EASTERN EUROPE

Abstract Attenuated total reflection-Fourier transform-infrared spectroscopy (ATR-FT-IR) analysis of 100 adhesive samples from different prehistoric composite artefacts, pottery and

List of Europe Spectrophotometer Manufacturers

Find detailed info on Spectrophotometer manufacturers in Europe. View 13 Europe Spectrophotometer manufacturing company profiles. Submit a partnership request.

Spectroscopy Suppliers | Spectroscopy Europe/World

Hidden Analytical celebrates 40 years of design, development and manufacture of quadrupole mass spectrometers. Our products address a diverse range of applications - precision gas analysis,

Europe's First TES Spectrometer Makes Previously ...

Developed through a collaboration between HZB, the MPI-CEC (Mühlheim-an-der-Ruhr, Germany), and NIST (Boulder CO, USA), the new instrument can detect X-ray photons with an

A compact stilbene crystal neutron spectrometer for EAST D-D plasma ...

A new compact stilbene crystal neutron spectrometer has been investigated and applied in the neutron emission spectroscopy on the EAST tokamak. A new components

In situ analysis of pigments on the murals of Yanshan Temple

In this research, a portable Raman spectrometer and a hand-held X-ray fluorescence (XRF) spectrometer were used to carry out the in-situ nondestructive measurement on the pigments

A History of European Mass Spectrometry

“The European history of peptide and protein mass spectrometry” is narrated by Peter Roepstorff. He recalls that the first studies of biological molecules started rather early in the 1960s. In

Eastern Europe Triple Quadrupole Mass Spectrometers

The Eastern Europe triple quadrupole mass spectrometers market comprises the purchase, installation, and lifecycle support of tandem mass spectrometry systems used primarily in

A high-energy Laue X-ray emission spectrometer at the FXE

In order to overcome these limitations and increase the existing portfolio of high-resolution X-ray spectrometer s at FXE, we have designed a dedicated high-energy Laue (transmission-type) XES

Europe Mass Spectrometry Companies

Mordor Intelligence highlights the top companies of Europe Mass Spectrometry and provides details on leaders as well as major players of the sector. Explore the complete list of Europe Mass

Homepage - X-Spectrum

X-ray and electron detection Techniques that power discovery Explore the core techniques powered by our technology. From X-ray scattering and imaging to

A pulse coherent nqr spectrometer with effective transient suppression

The presence of the quadrupole moments of isotopes of gallium and indium in GaSe and InSe allows applying the radiospectroscopy of nuclear quadrupole resonance (NQR) for studying of

European XFEL

The 3.4 km long European XFEL generates extremely intense X-ray flashes used by researchers from all over the world to map atomic details of viruses, film chemical reactions, and

High resolution electron time-of-flight spectrometers for angle ...

A set of electron time-of-flight spectrometers for high-resolution angle-resolved spectroscopy was developed for the Small Quantum Systems (SQS) instrument at the SASE3 soft X-ray branch of the

A pioneering spectrometer for high photon energy X-rays

Researchers at the European XFEL have developed a new device for X-ray measurements at high photon energies—a so-called Laue spectrometer. It enables X-ray light with photon energies of more...

ESS | European Spectrometry Services

ESS are first in quality and precision with mass spectrometer manufacturing. Providing for a wide range of applications in gas analysis and measurement, our

Eastern Europe X-Ray Diffraction Spectrometers

The Eastern Europe X-ray diffraction spectrometers market comprises the sale, installation, and after-lifecycle support of instruments used for powder and single-crystal diffraction,

Rigaku Europe SE

As part of the Rigaku Group, Rigaku Europe SE is committed to supporting cutting-edge research and development by providing technical expertise, exceptional customer service, and a range of

(IUCr) A high-energy Laue X-ray emission spectrometer at the FXE ...

Here we present the design, implementation and performance of a novel high-resolution XES spectrometer operating in Laue (transmission) geometry optimized for measurements at high

Eastern Europe Inductively Coupled Plasma Spectrometers

Inductively coupled plasma spectrometers form a critical analytical technology for elemental composition analysis across multiple industries in Eastern Europe. The installed base in

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