Eastern European X-ray Silver Spectrometer

Its unique X-ray beam parameters enable groundbreaking experiments in matter at extreme conditions at the High Energy Density (HED) scientific instrument.

The newly developed device called High Energy Laue X-ray Emission Spectrometer (HELIOS) is now installed and available to all users at European XFEL. It provides an extremely high precision of ...

The instrument comprises two independent secondary X-ray emission spectrometers next to a 1-Mpx detector for scattering studies. Its main research is devoted to dynamic studies of chemical and ...

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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...

A multipurpose imaging x-ray crystal spectrometer is developed for the high energy density instrument of the European X-ray Free Electron Laser. The spectrometer is designed to measure x rays in the ...

Fundamental parameters are required for accurate quantitative x-ray analysis, and the lack of recent reliable values with low associated uncertainties was pointed out during the European X-Ray ...

In this article, we present the development of an imaging x-ray spectrometer for the High Energy Density (HED) instrument 16 of the European X-ray Free Electron Laser (XFEL).

The 2020 edition of the EXRS conference series was cancelled due to the spreading of the Coronavirus within Europe.

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