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## **Xps Spectra Casaxps**

XPS spectra are, for the most part, quantified in terms of peak intensities and peak positions. The peak intensities measure how much of a material is at the surface, while the peak positions indicate the elemental and chemical composition.

## **XPS Spectra - casaxps.com**

CasaXPS processing software offers powerful analysis techniques for both spectral and imaging data. The system originally designed for XPS and Auger data now offers features covering a wide range of analytical techniques including ToF SIMS, dynamic SIMS and many more. For further information, please contact [neal@casaxps.com](mailto:neal@casaxps.com).

## **casaxps.com**

CasaXPS, Computer Aided Surface Analysis for X-ray

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Photoelectron Spectroscopy, It offers a powerful data processing environment on a PC. It can do angle resolved and depth profile XPS. You need to convert your data to VAMAS format.

### **CasaXPS - California Institute of Technology**

Basic Quantification of XPS Spectra XPS counts electrons ejected from a sample surface when irradiated by x-rays. A spectrum representing the number of electrons recorded at a sequence of energies includes both a contribution from a background signal and also resonance peaks characteristic of the bound states of the electrons in the surface atoms.

### **Basics of Quantification of XPS Spectra - casaxps.com**

Basic Quantification of XPS Spectra XPS counts electrons ejected from a sample surface when irradiated by x-rays. A spectrum representing the number of electrons recorded at a sequence of energies includes both a contribution from a background signal

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and also resonance peaks characteristic of the bound states of the electrons in the surface atoms.

### **XPS Spectra - CasaXPS - MAFIADOC.COM**

#CasaXPS Easy Way Tutorial 2: An easy, quick and simple tutorial on how to do quantitative (Atomic percentage / Compositional) analysis of XPS survey spectra...

### **CasaXPS T2: Atomic percentage / Compositional analysis**

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Zinc oxide in the form of Zn 2s photoemission peak is used to illustrate processing steps to create background subtracted spectra. After processing a backgro...

### **Processing Background Subtracted Spectra in CasaXPS - YouTube**

CasaXPS is easy and correct to deconvolute a multi-peak curve.

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In addition, XPS peak fitting ca... This video shows you XPS peak fitting using CasaXPS software.

### **XPS peak fitting using CasaXPS software - YouTube**

While CasaXPS includes a wide range of synthetic line shapes including Doniach-Sunjic and several variations of the Doniach-Sunjic asymmetric behaviour, for routine analysis of XPS spectra the most popular and least prone to inappropriate use are a class of functional forms based on the Gaussian and Lorentzian functions.

### **Peak Fitting in XPS - casaxps.com**

Installation of CasaXPS and How to License a PC . Videos and Data used during CasaXPS Workshops are available from .  
<http://www.casaxps.com/casaxps-training/training> ...

### **Download the latest version of CasaXPS**

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Curve-fitting of the titanium (Ti) 2p X-ray photoelectron spectroscopy (XPS) spectrum using CasaXPS.

### **XPS Fitting of Titanium 2p Spectrum - YouTube**

Kratos - Handbook of Spectra - Polymers - PDF; PHI - Handbook of Spectra - Elements; Photos of XPS Handbooks; SurfaceSpectra - Handbook of Spectra - Polymers - PDF; Wiley - Handbook Series - Vol 1-3 -of Monochromatic XPS Spectra; Surface Chemistry. Adventitious Carbon; Anti-Static, Anti-Caking; Capture of UHV Gases ...

### **Home - The XPS Library of Monochromatic XPS Spectra**

CasaXPS is designed for ISO-14976 formatted XPS spectra. A data file containing spectra stored in the ISO format may be selected via the Open VAMAS file dialog window shown in Figure 2. To select a VAMAS file press the toolbar button indicated in Figure 3 to invoke the Open VAMAS file dialog window Step 2:

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Select a spectrum for processing

## **CasaXPS User's Manual**

CasaXPS is a data browser for VAMAS (ISO 14976) Surface Chemical Analysis Standard Data Transfer Format. Spectra presented in this ISO standard can be viewed, selected and processed in a simple yet powerful way. The results of the data reduction are tabulated then made available in a convenient format for Microsoft products such as Word or Excel.

## **CasaXPS | SurfaceSpectra**

X-ray photoelectron spectroscopy (XPS or ESCA) curve fitting procedures, reference materials and useful notes are listed here to provide a starting point for the consistent interpretation of XPS spectra. These reference pages contain tips and techniques that are designed to help both the novice and advanced XPS user.

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## **X-ray Photoelectron Spectroscopy (XPS) Reference Pages**

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Introduction to CasaXPS (complete PDF of this mini HowTo). 1. General. 1. Open vms file in CasaXPS, double click the .vms file, or in Casa, File, Open. 2. The first time you use CasaXPS enter the User Name and License in order to be able to save files. 3. Casa XPS layout is divided into 2 sections: The left-hand side displays the spectra.

## **HowTo CasaXPS - The Versatile X-ray Spectroscopy Facility**

The first 3 days will be on X-ray Photoelectron Spectroscopy (XPS/ESCA) including Data Processing. It will cover in detail the principles of XPS, instrumentation, imaging, qualitative and quantitative analysis, artifacts in spectra, and depth profiling (see the course description for more details).



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### **Online AES, XPS and CasaXPS short courses**

Enjoy the videos and music you love, upload original content, and share it all with friends, family, and the world on YouTube.

### **CasaXPS Casa Software - YouTube**

The first 3 days will be on X-ray Photoelectron Spectroscopy (XPS/ESCA) including Data Processing. It will cover in detail the principles of XPS, instrumentation, imaging, qualitative and quantitative analysis, artifacts in spectra, and depth profiling (see the course description for more details).

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