



Calculation of the XPS Mg 2p spectrum

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Introduction

Part of the intrinsic intensity of XPS spectra may not be contained in the main peak. Particularly, free-electron metals, like Mg and Al, have a significant intrinsic contribution in the plasmon-loss peaks. In this work the intrinsic and extrinsic contributions to the Mg 2p spectrum of pure Mg have been determined, accounting for surface effects.

