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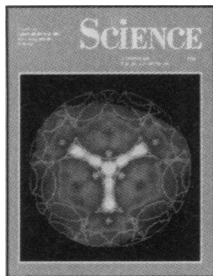
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COVER Experimental angular distribution of 65-electron volts Auger electrons emitted from an atomically clean platinum[111] single-crystal surface. Lighter colors represent larger signal. Contours (green) depict the theoretical distribution from a pair of adjacent atomic layers. These results reveal that Auger electron angular distributions consist of the “silhouettes” of near-surface atoms “backlit” by Auger emission originating from atoms located deeper in the sample. See page 182. [Data acquisition and graphics by D. G. Frank, N. Batina, and A. T. Hubbard; photography by R. Shaw, University of Cincinnati, Cincinnati, OH]

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Science **247** (4939), 139-230.

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