

OUR CHANGING VIEW OF THE NATURE OF X-RAYS

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My talk discusses and challenges some of the conventional concepts of X-ray science, like the Huygens-Fresnel principle and Dirac's bold statement that photons only interfere with themselves. I will describe an X-ray experiment that leads to the recognition that two photons can indeed interfere and that the wave and particle aspects simply correspond to a first and second order description of coherence and X-ray propagation.

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2:00 PM

CFEL
SEMINAR ROOMS I-III

