



Fig. 20A Graph taken from Compton's paper [*Phys. Rev.* 22, 409 (1923)], showing spectrum of scattered radiation at three different scattering angles. The uppermost graph shows the line of the incident radiation, of wavelength 0.71 Å. The abscissa is proportional to the wavelength and the ordinate is a measure of intensity. The peaks at left in the lower three graphs show that part of the scattered radiation is of the same wavelength as the incident radiation. The peaks at right show the Compton-scattered radiation, at a shifted frequency. The shift in the frequency increases with the angle of scattering in accordance with Compton's formula. (Courtesy of *The Physical Review*.)