

A SOLUTION OF THE YIELD EQUATION  
IN THE PROBLEM OF ANALYSIS  
OF BACKSCATTERING SPECTRA. 1

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S u m m a r y

A new approach to the interpretation of light ion backscattering spectra is proposed proceeding from a general concept of the equation of yield. It is shown that the equation of yield derived here in the general form is reduced to a set of nonlinear integral equations in the case of signal separation in a spectrum. The limiting transition is performed and, in the framework of the adopted idea of a projection of the multichannel analyzer scale into the target, the equation of yield is obtained for the ideal spectrum.