

**Rutherford backscattering (RBS)**

Any technique using high energy particles directed toward a sample, in which the bombarding particles are detected and recorded as function of energy and/or angle. The technique is mostly used for determining depth distributions of elements based on the energy of the backscattered particle. In general, He<sup>+</sup> or H<sup>+</sup> particles are used at energies in the order of 100 keV to some MeV.

Also referred to as backscattering spectrometry (BSS).

1979, 51, 2246