Nier–Johnson geometry

An arrangement for a double-focusing mass spectrometer in which a deflection of $\frac{\pi}{2}$ radians in a radial electrostatic field analyser is followed by a magnetic deflection of $\frac{\pi}{3}$ radians. The electrostatic analyser uses a symmetrical object-image arrangement and the magnetic analyser is used asymmetrically.

Source:
PAC, 1991, *63*, 1541 *(Recommendations for nomenclature and symbolism for mass spectroscopy (including an appendix of terms used in vacuum technology). (Recommendations 1991))* on page 1546
Orange Book, p. 201