



Product name:
Alpha Scattering Demonstration Model

Product code:
CIVIL-AMT-118-0007



Description

Alpha Scattering Demonstration Model

Technical specification

for demonstrating Rutherford scattering by means of a gravitational analogue of inverse square law repulsion.

The apparatus comprises a spun aluminium hill, 280mm diameter x 60mm high, a 12.5mm and 19 mm X 2 steel ball and a wooden launching ramp. The shape has been determined by varying its height above the base line by an amount based upon the reciprocal of the radius.

Launching ramp, 300 x 48 x 105mm high with a guide groove down its curved front face and index marks at 40, 60, 80 and 100mm above the base to give a variety of known launching heights.



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