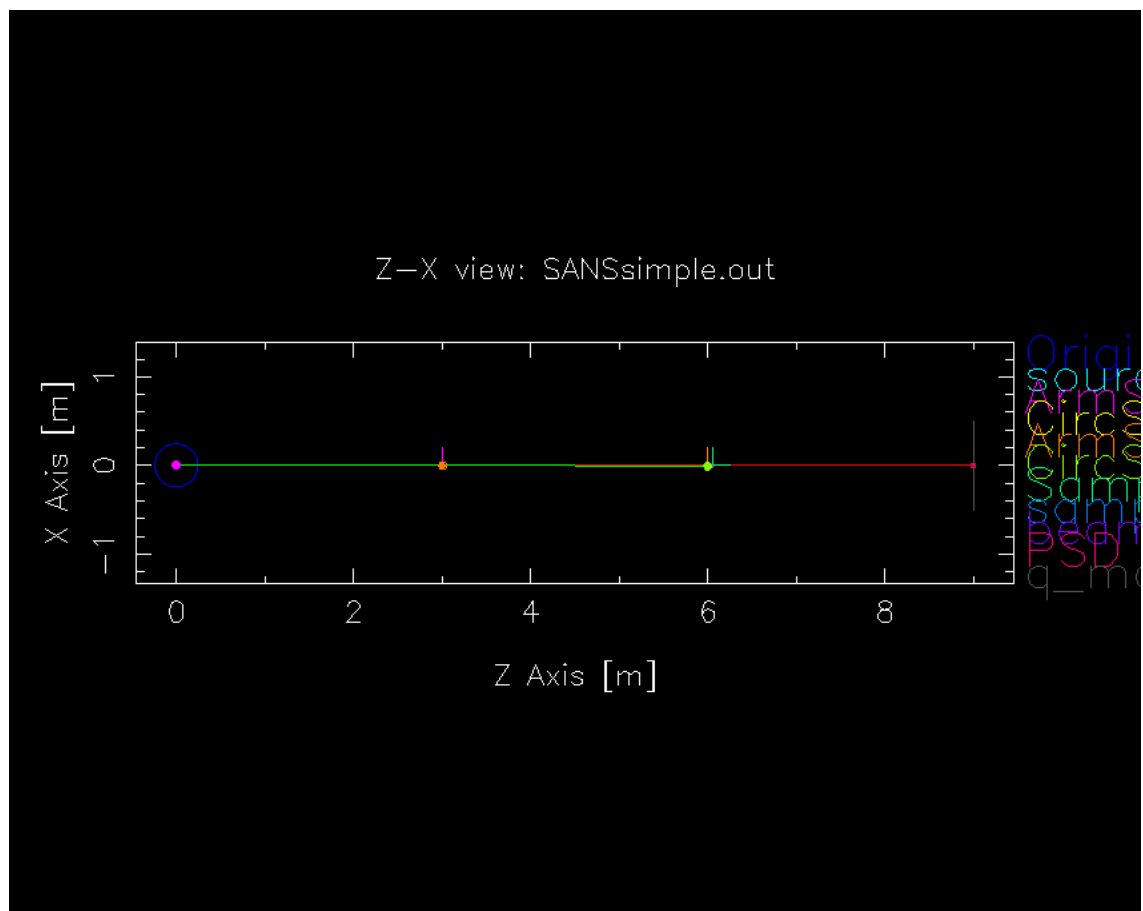


Question 1

Tries remaining: 4

Marked out of 1.00



The image shows a schematic layout of the SANSsimple experimental setup. The detector is the dark grey vertical line segment on the right at $Z = 9m$ in this particular case.

Use the geometry of the setup and your knowledge about scattering to derive an expression for the radius at which a scattered neutron is detected, given the scattering angle, 2θ , and the distance to the detector, d .

$r =$

Display response

Check

Start again

Save

Fill in correct responses

Submit and finish

Close preview

[Technical information](#) ? _ ▶

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[Collapse all](#)

Attempt options

How questions behave ?

Interactive with multiple tries

Marked out of

1

[Start again with these options](#)

Display options

Whether correct

Marks

Decimal places in grades

Specific feedback

General feedback

Right answer

Response history

[Update display options](#)