



100000 α particles flown 180 times

α initial position distribution:

$$N_x(-0.00, 1.00) \times N_y(-0.00, 1.00) \times N_z(105.80, -\text{nan}) [\text{mm}]$$

α average direction:

$$(0.00, 0.00, -0.00) \text{ (normalized)}$$

0.105 ± 0.001 % of them reached the Si detector.

Based on calculated solid angle = 0.105931 %