



100000 α particles flown 180 times

α initial position distribution:

$$N_x(-0.00, 5.05) \times N_y(-0.00, 5.46) \times N_z(97.14, 8.50) \text{ [mm]}$$

α average direction:

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

0.084 ± 0.001 % of them reached the Si detector.

Based on calculated solid angle = 0.105931 %