

normal

incident

scattered  
 $\cos\theta$

$\theta$



The diagram shows a circle resting on a horizontal line. A vertical line segment, labeled 'normal', extends upwards from the center of the circle. An 'incident' ray, represented by a line with an arrow, points towards the center of the circle from the upper left. A 'scattered' ray, also with an arrow, points away from the center towards the upper right. The angle between the normal and the scattered ray is labeled with the Greek letter  $\theta$ . A gray shaded sector is drawn between the normal and the scattered ray, with the label  $\cos\theta$  placed next to it.