

a)

Incident Primary

θ

Zenith
Angle

PLACEHOLDER FIGURE

Shower Axis

$\sim 1-3$ m

Particle Disk

Shower Front
Tangent Plane

Ground Level

θ

The diagram illustrates the geometry of a particle shower. An incident primary particle enters from the top right at a zenith angle θ relative to a vertical line. The shower axis is shown as a solid line with stars, flanked by dashed lines. The shower front is a curved line with a dashed tangent plane. A particle disk is shown as a collection of dots. The ground level is at the bottom. A distance of $\sim 1-3$ m is indicated between the shower front and the ground level. The angle θ is also shown at the bottom right relative to the ground level.