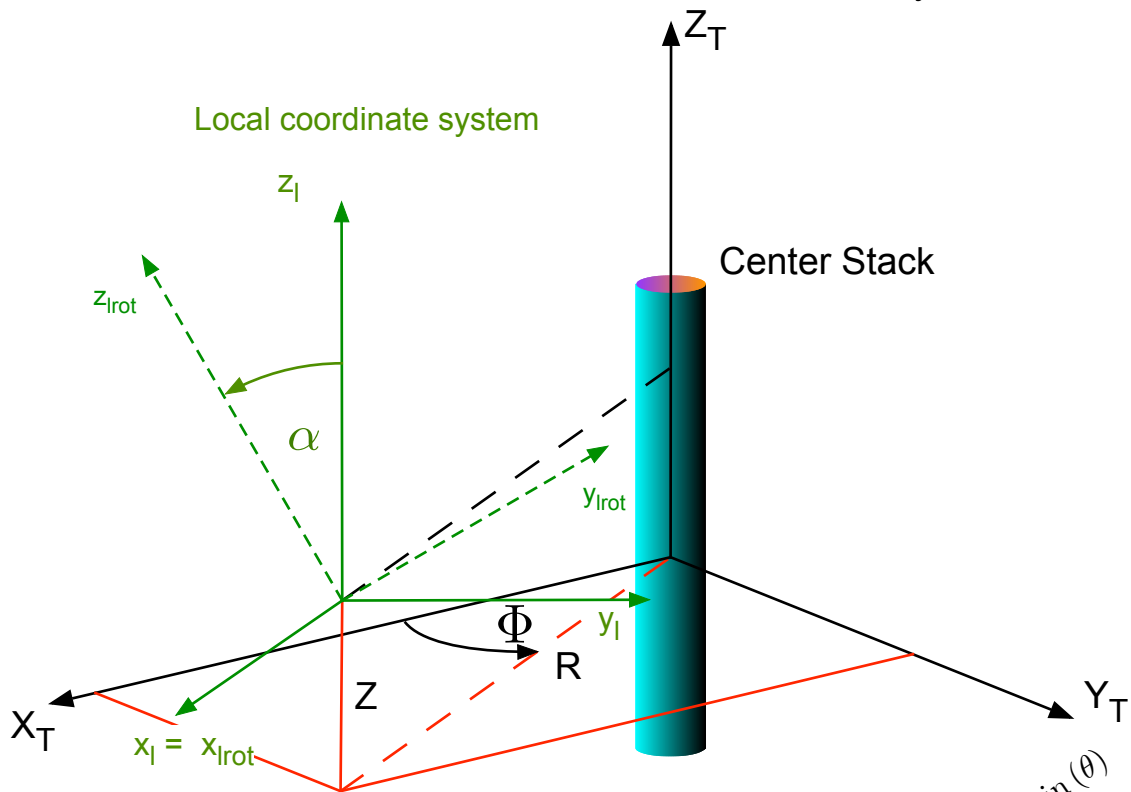


Global tokamak coordinate system



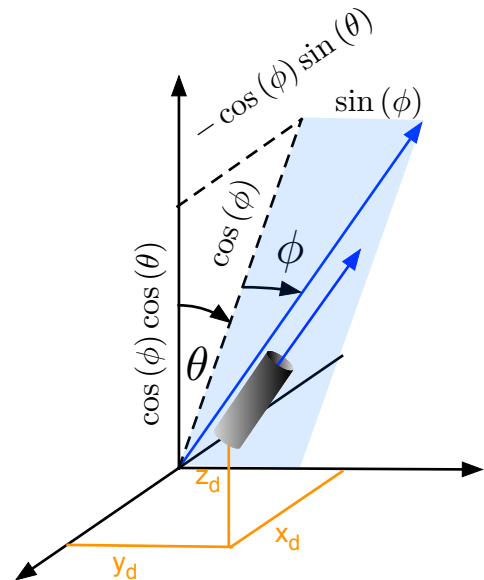
Arm rotation angle: α

Detector location (in unrotated local coordinate system): x_d, y_d, z_d

Detector orientation: ϕ, θ

For $\phi = 0, \theta = 0$ the detector coordinate system is identical to the local coordinate system

For $R = 0, Z = 0, \Phi = 0$ the local coordinate system is identical to the standard coordinate system



Detector Orientation and location