

Material Budget following up cluster resolution study

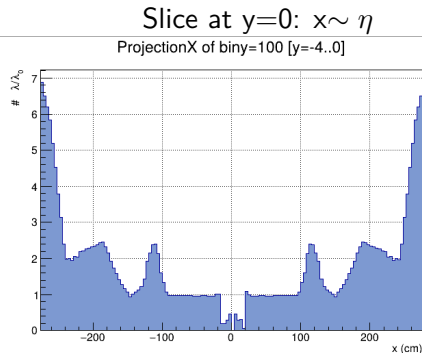
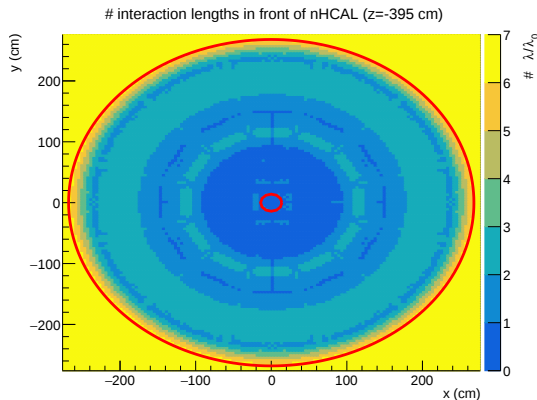
nHCAL meeting
Vincent Andrieux

UIUC

8th August 2024



Interaction lengths



Geometry version 24.07

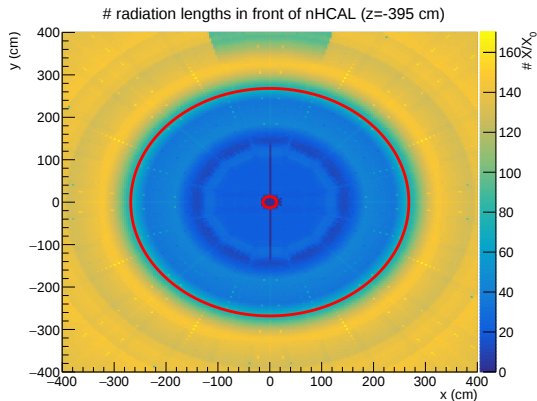
Integration on a given η line of sight from IP to nHCAL surface at $z=-395$ cm

Red circle highlights nHCAL acceptance ($-4. < \eta < -1.18$)

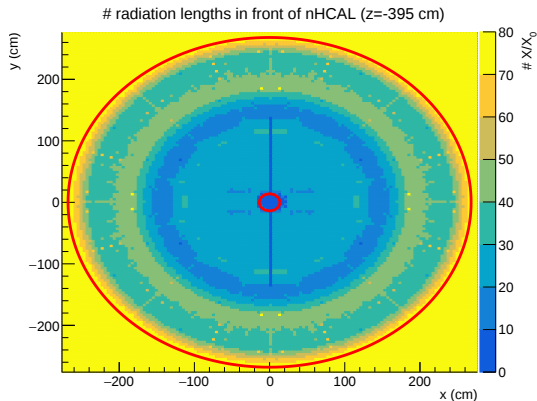
BACKUP

Radiation lengths

High resolution



Low resolution and zoomed on nHCAL



Geometry version 24.07

Integration on a given η line of sight from IP to nHCAL surface at $z=-395$ cm