

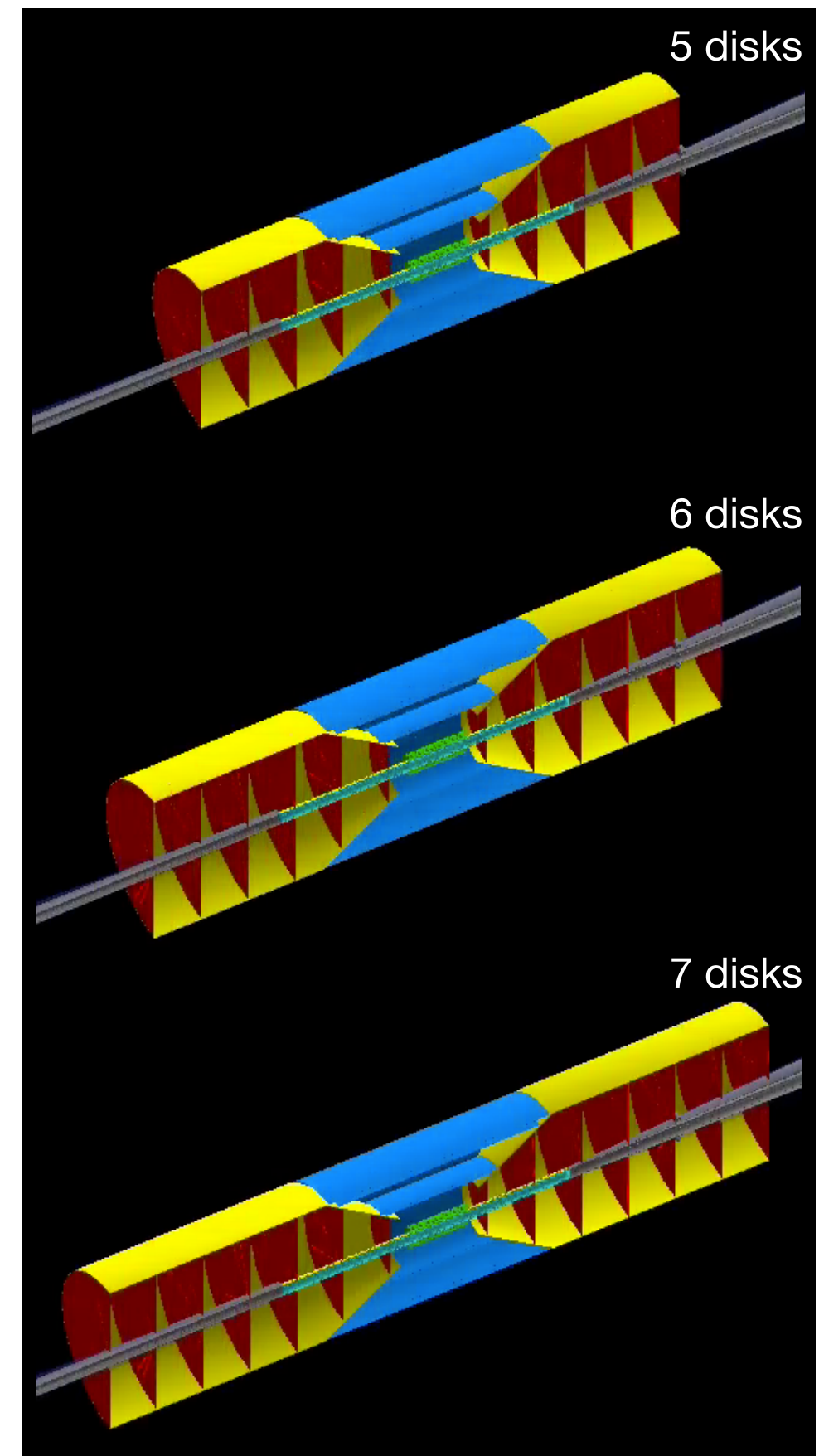
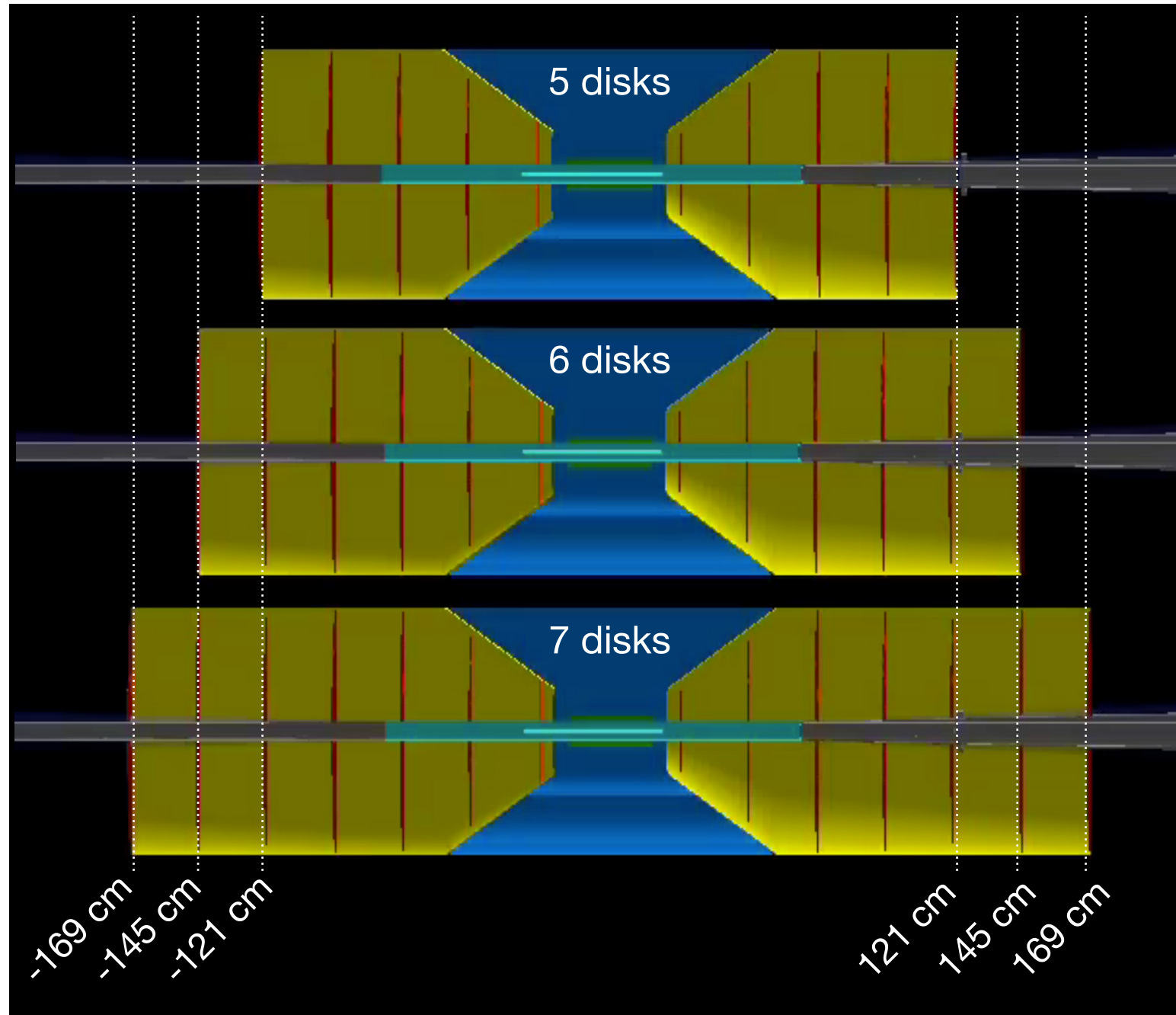
All-Silicon Tracker high- $|\eta|$ Performance Studies



Rey Cruz-Torres
09/14/2021

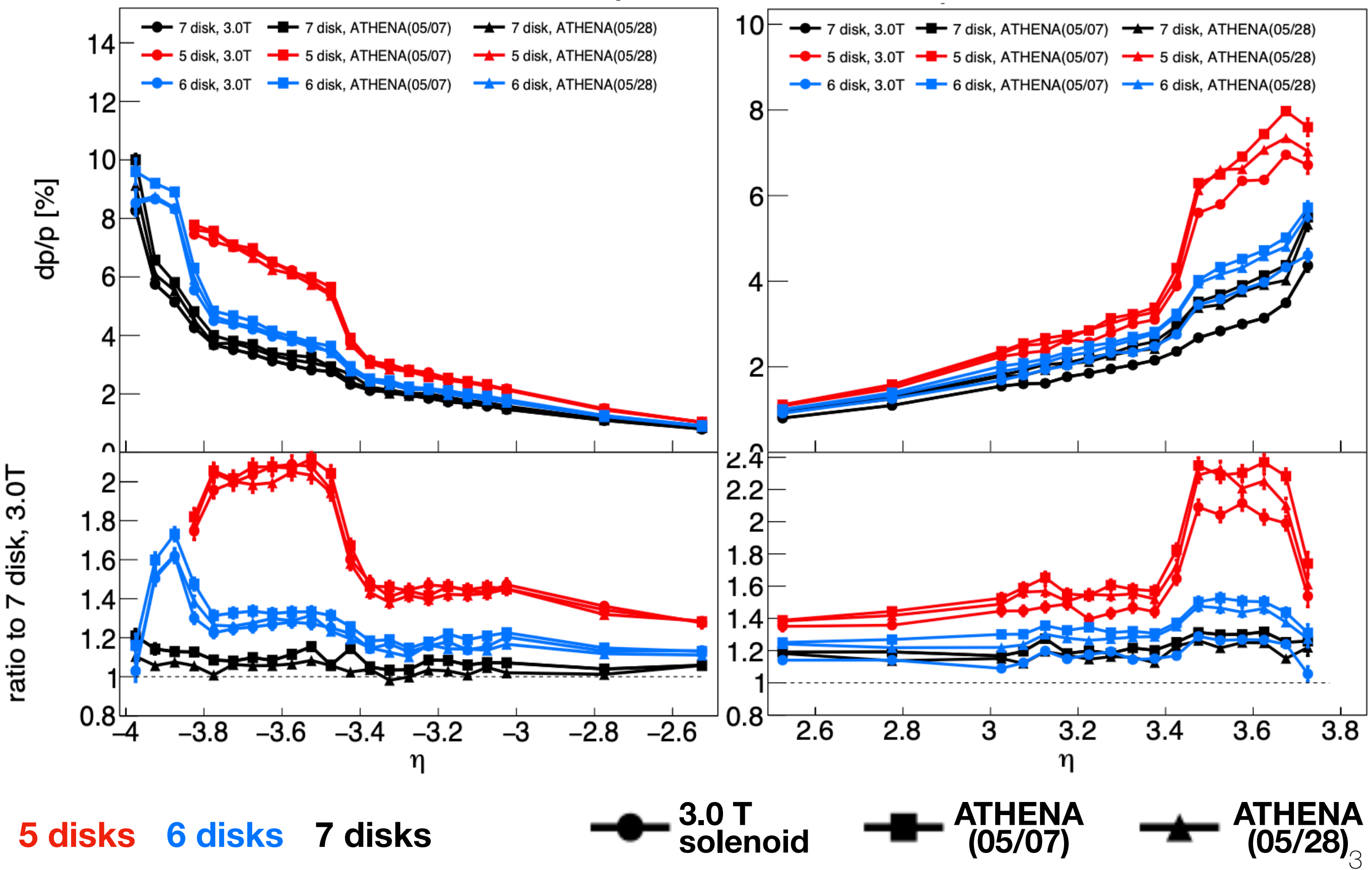
Studied Configurations

**Addition of 1 or 2 disks (in each side)
keeping the disk-to-disk distance fixed**

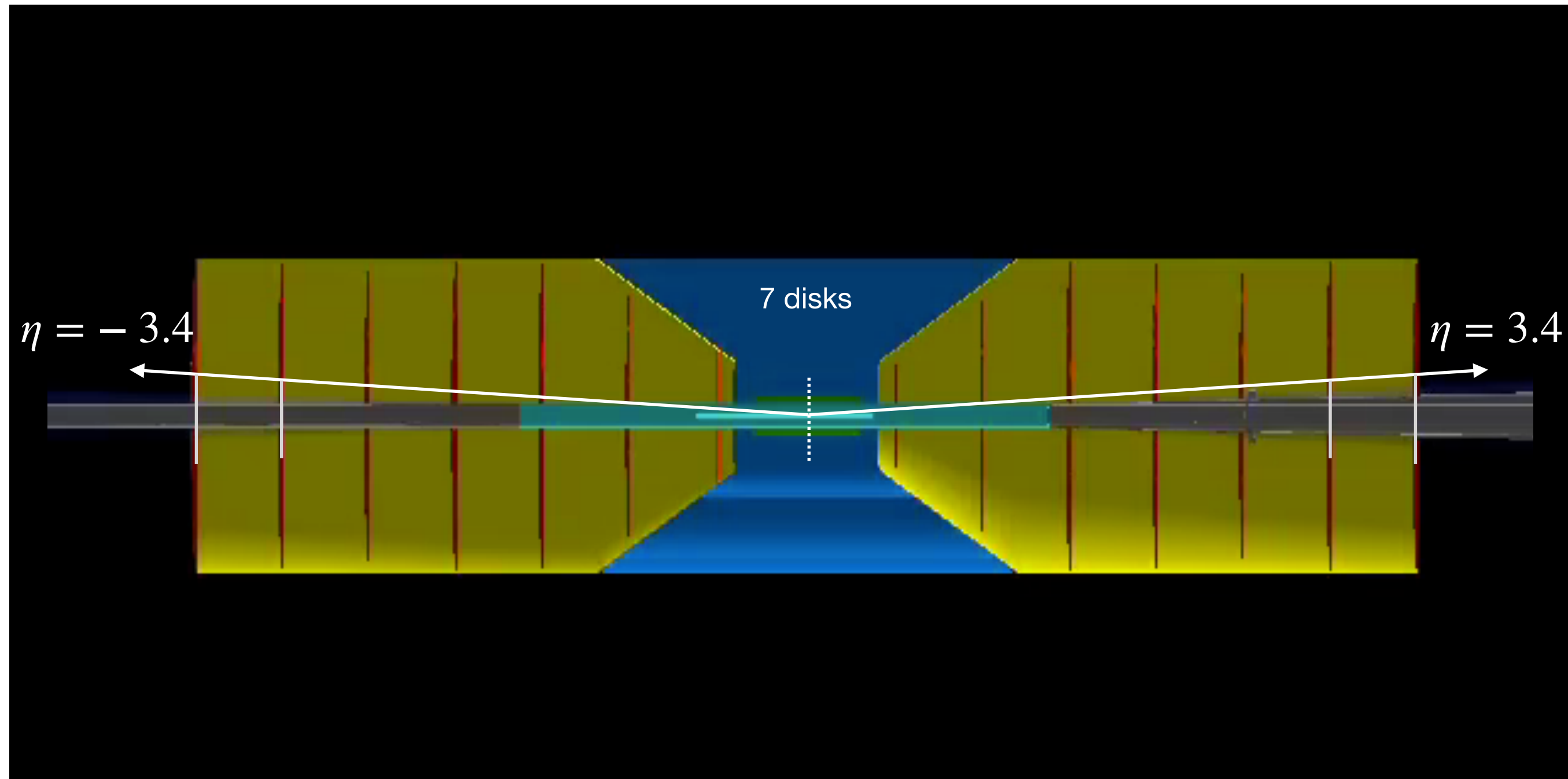


Performance at high $|\eta|$

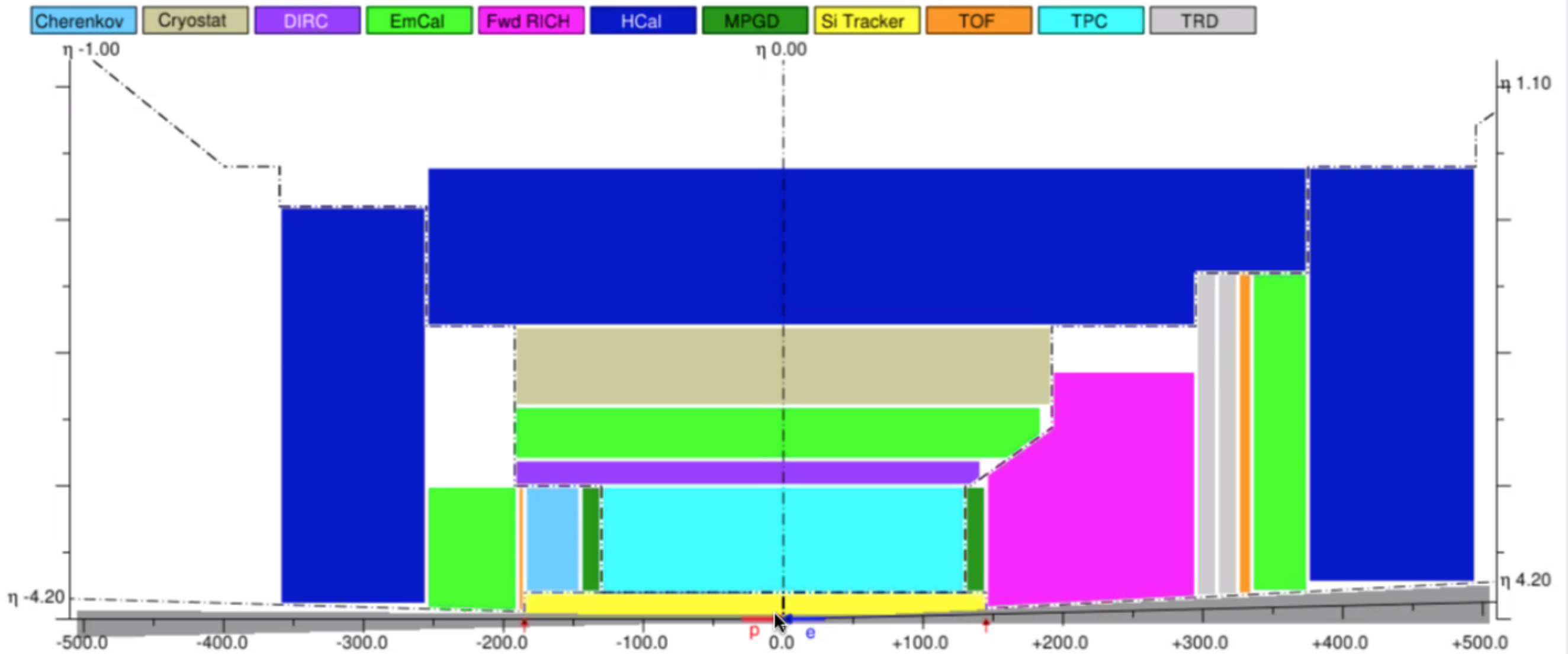
$16.0 < p < 18.0 \text{ GeV}/c$



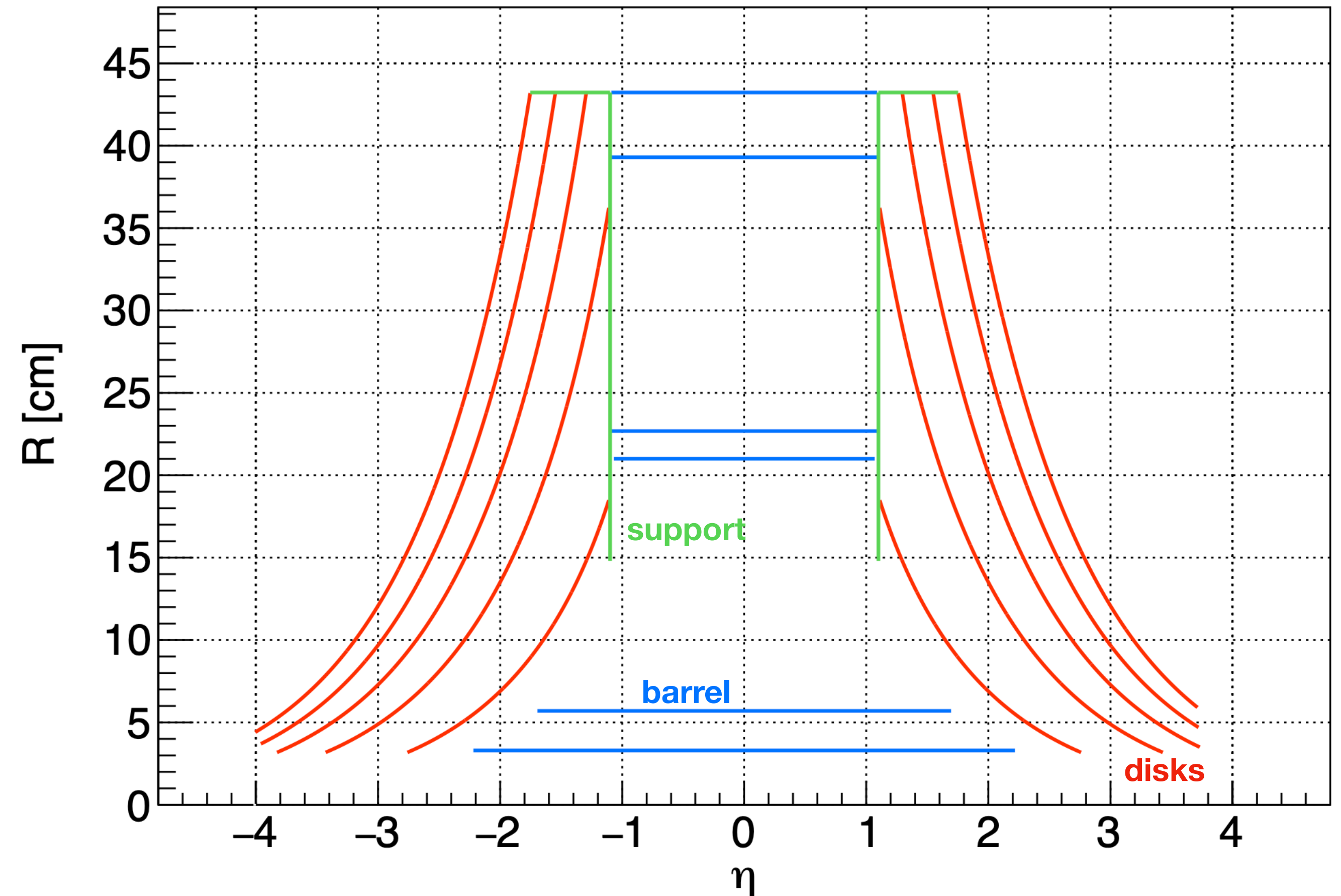
High- $|z|$ disks outer radii



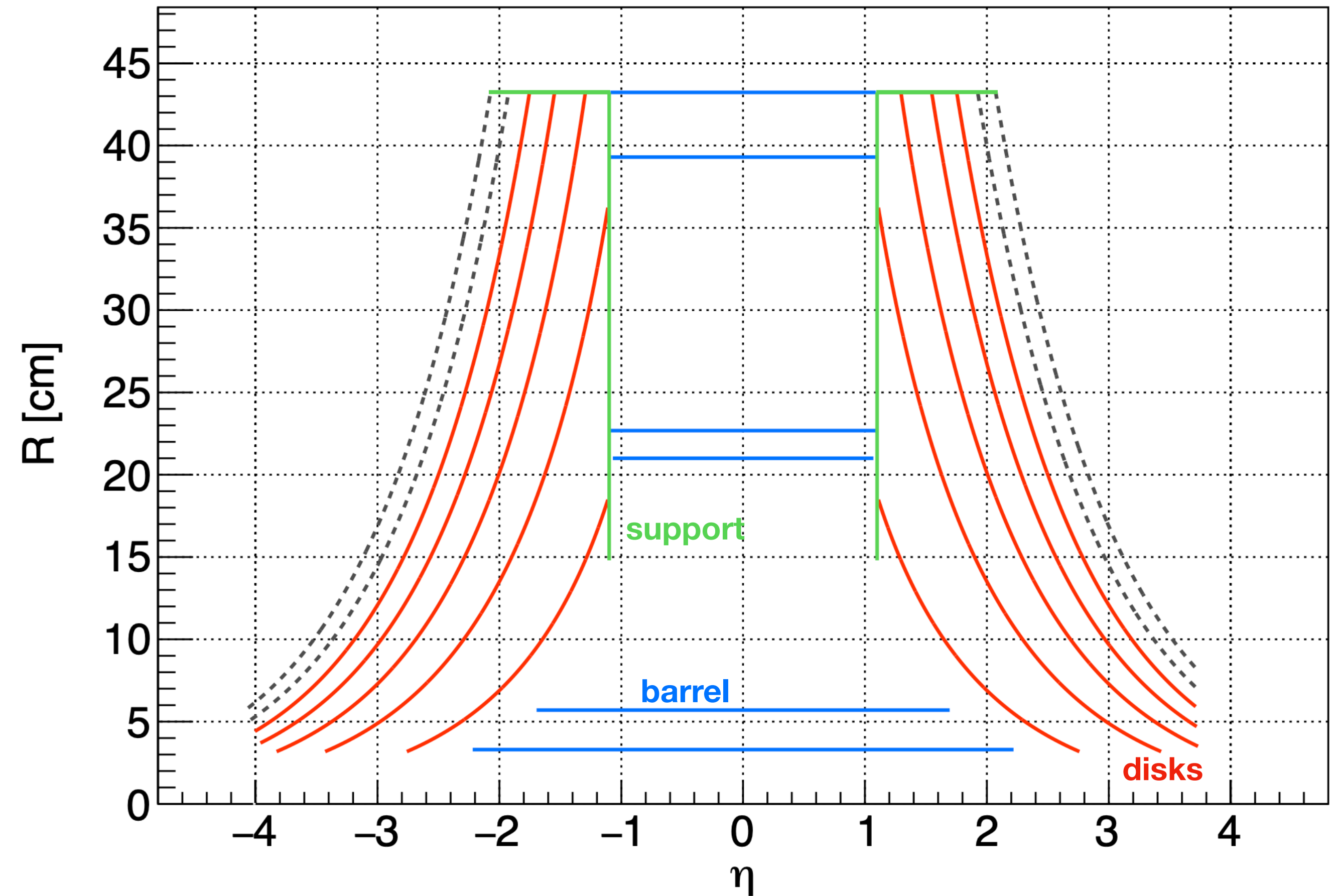
Available Space



Geometrical acceptance of all-silicon tracker



Geometrical acceptance of all-silicon tracker



Geometrical acceptance of all-silicon tracker

