## Angular Resolution Definitions

- Three angular resolution definitions



## How to Extract Angular Resolutions

All angular definitions depend on direction information from truth and reconstructed track
projected to PID surfaces
$\square$ Reconstructed Track
> Use ACTS track propagator to propagate track to PID surface
Truth Track
> Couple options for obtaining truth information at projected surface

- Use tracking hit closest to the projected reconstructed hit
- Implement a dummy surface (low mass and poor resolution) at projection location to record truth hit $\rightarrow$ could run into overlap issues as detectors and integration become more complex.
- Other options?

