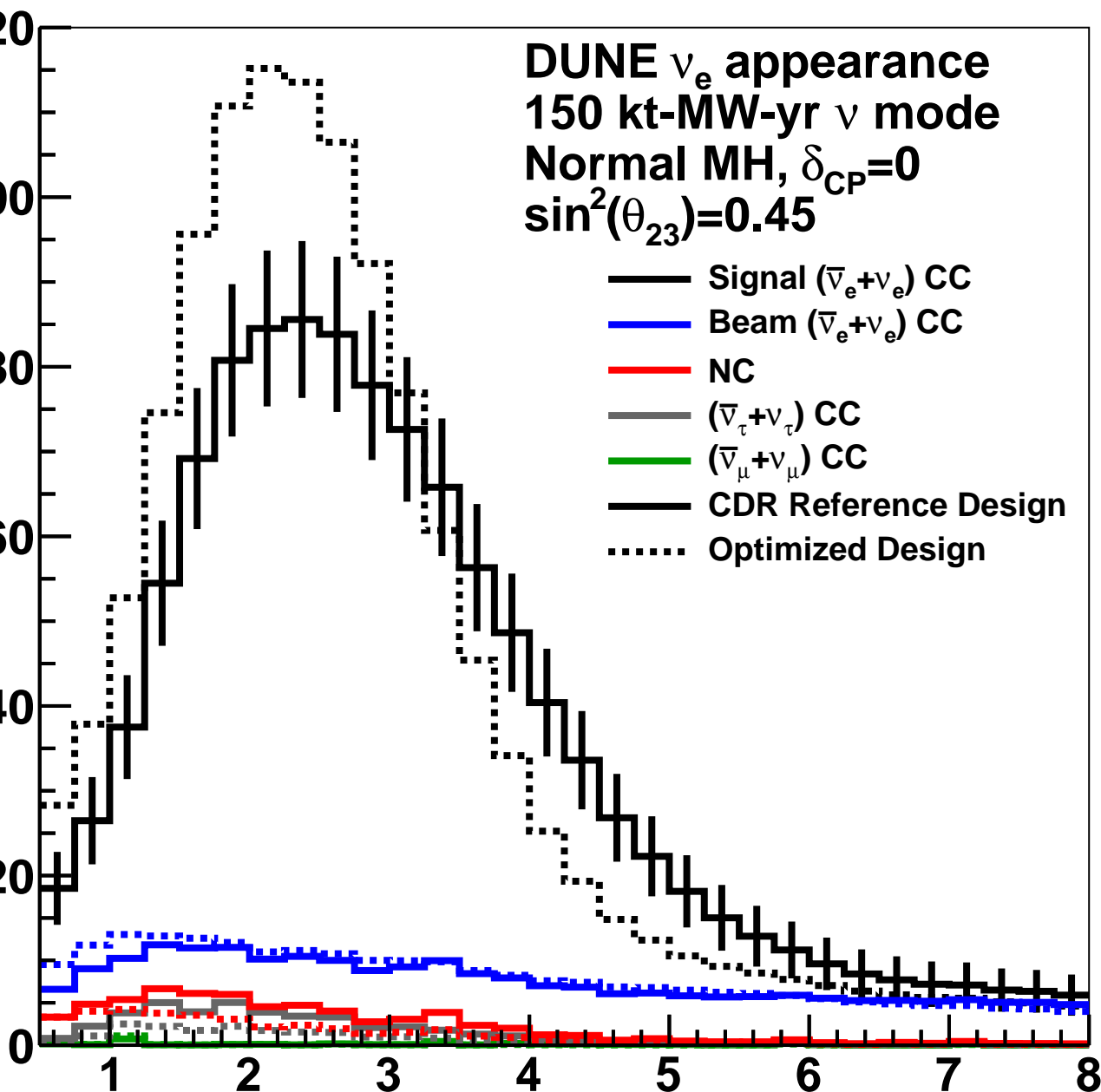


Events/0.25 GeV

**DUNE  $\nu_e$  appearance**  
**150 kt-MW-yr  $\nu$  mode**  
**Normal MH,  $\delta_{CP}=0$**   
 **$\sin^2(\theta_{23})=0.45$**

- Signal ( $\bar{\nu}_e + \nu_e$ ) CC
- Beam ( $\bar{\nu}_e + \nu_e$ ) CC
- NC
- ( $\bar{\nu}_\tau + \nu_\tau$ ) CC
- ( $\bar{\nu}_\mu + \nu_\mu$ ) CC
- CDR Reference Design
- ..... Optimized Design



Reconstructed Energy (GeV)