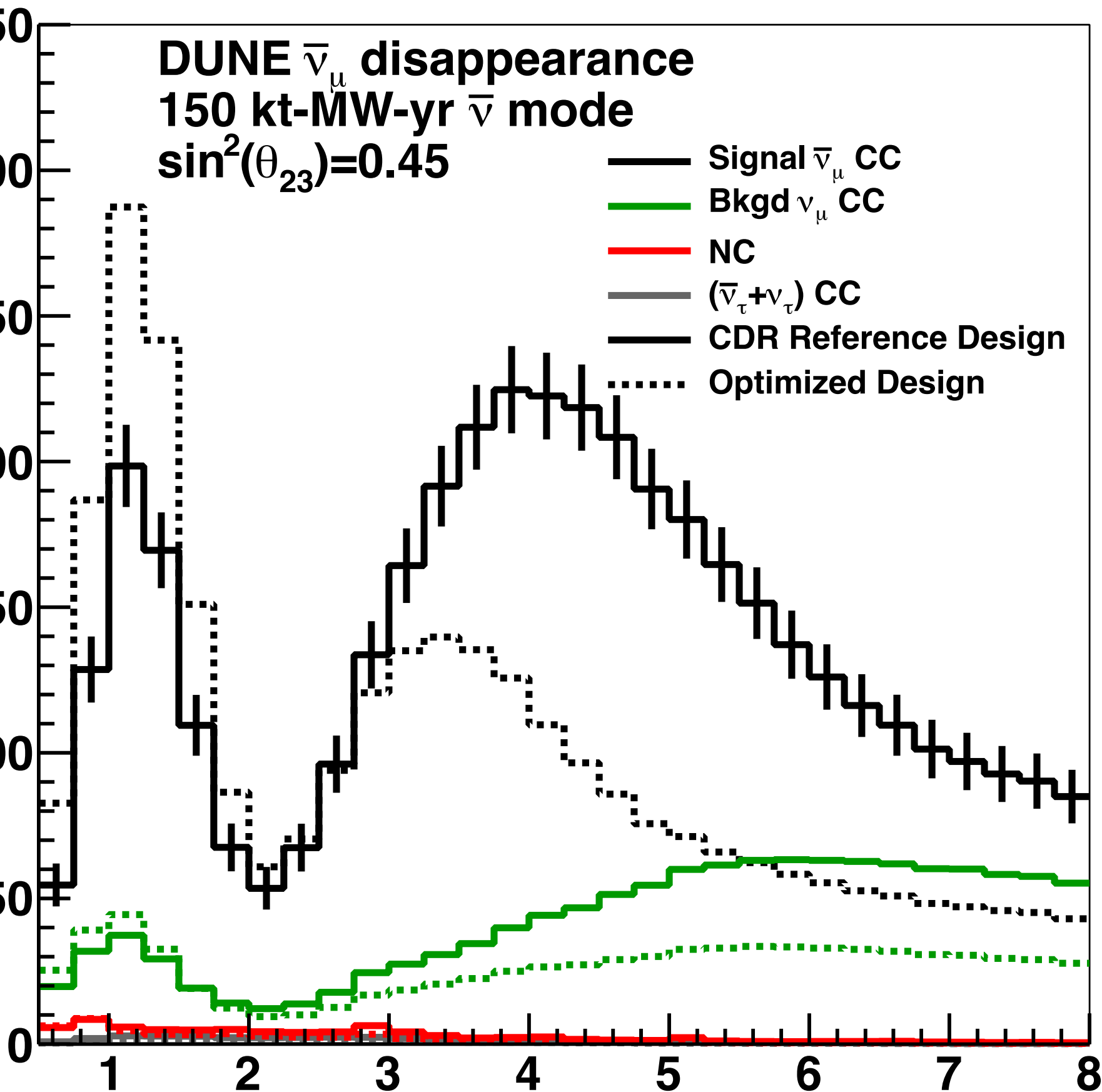


**DUNE  $\bar{\nu}_\mu$  disappearance**  
**150 kt-MW-yr  $\bar{\nu}$  mode**  
 **$\sin^2(\theta_{23})=0.45$**

**Events/0.25 GeV**

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



**Reconstructed Energy (GeV)**