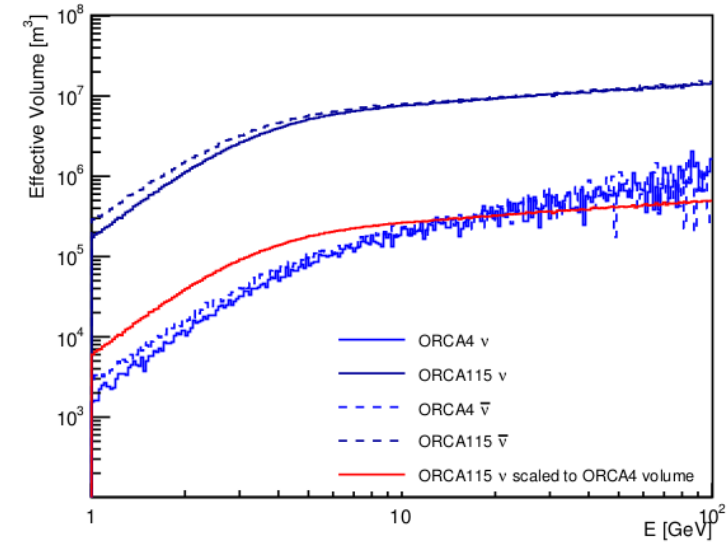
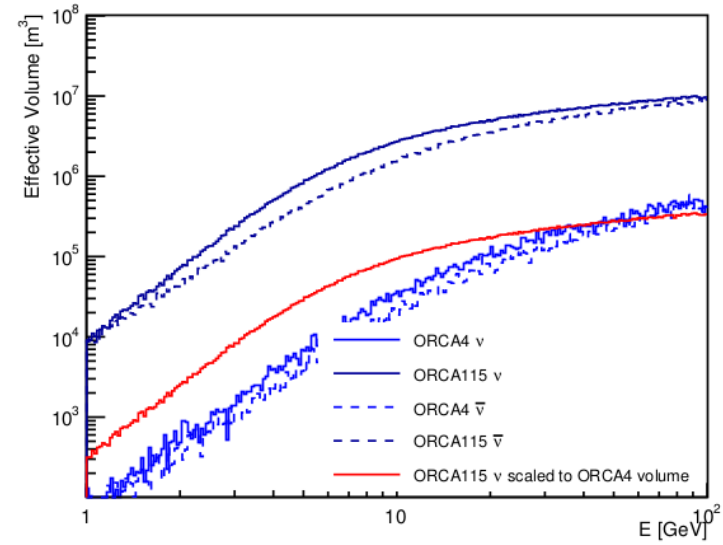


# Effective mass: ORCA4 vs ORCA115

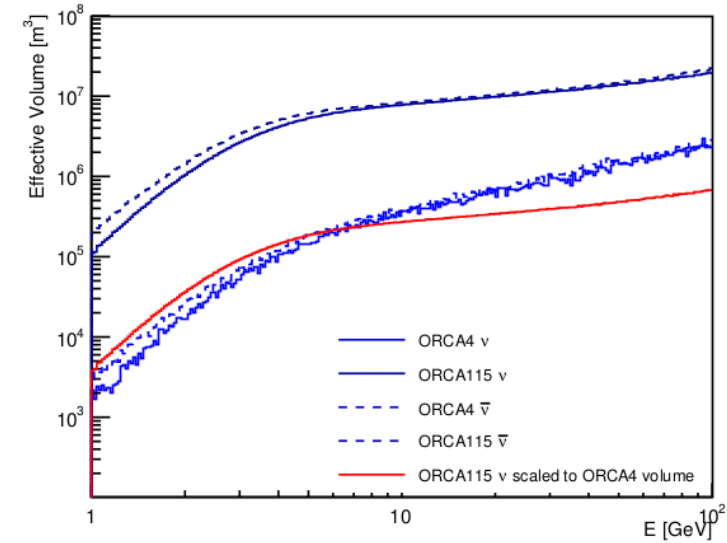
Effective volume: e-cc



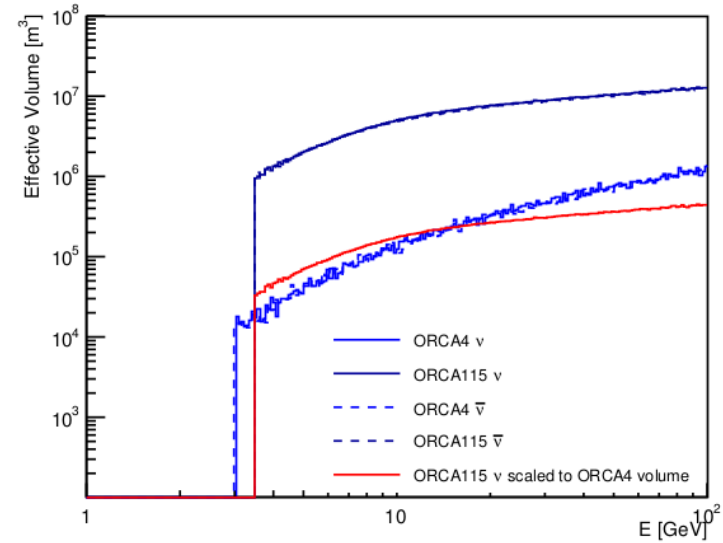
Effective volume:  $\mu$ -nc



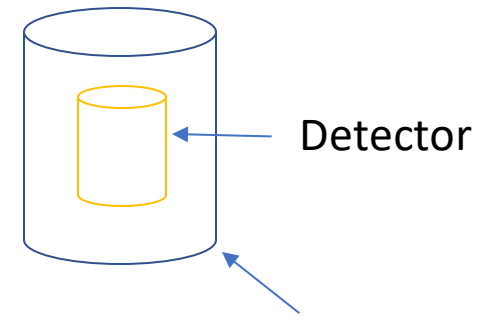
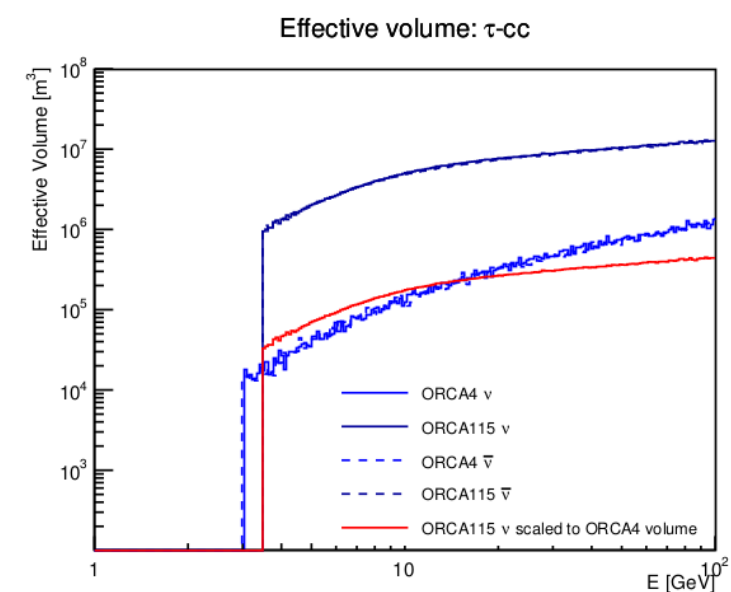
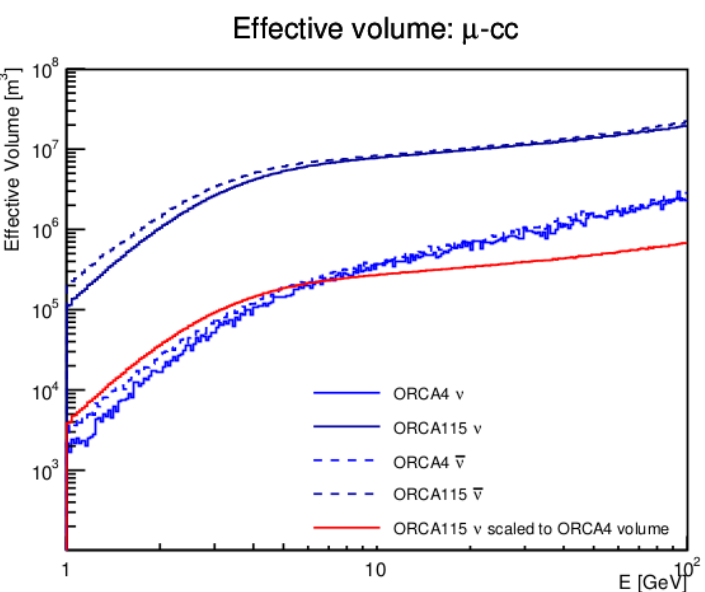
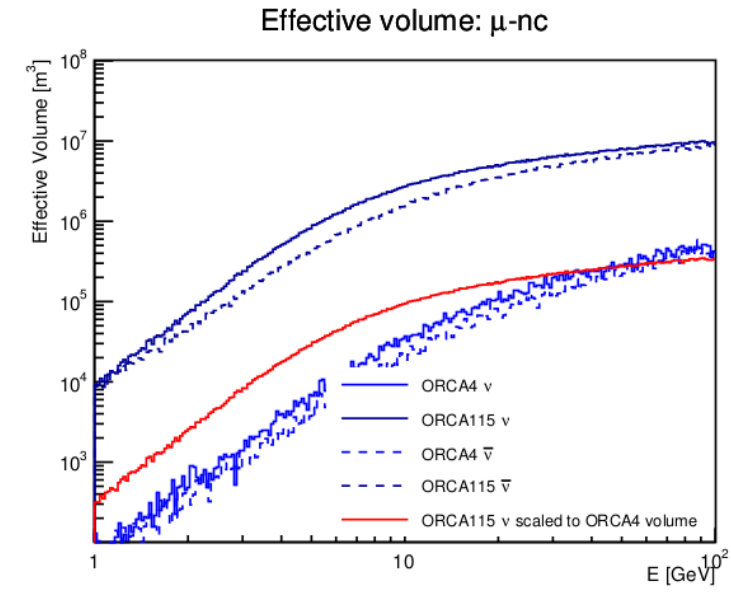
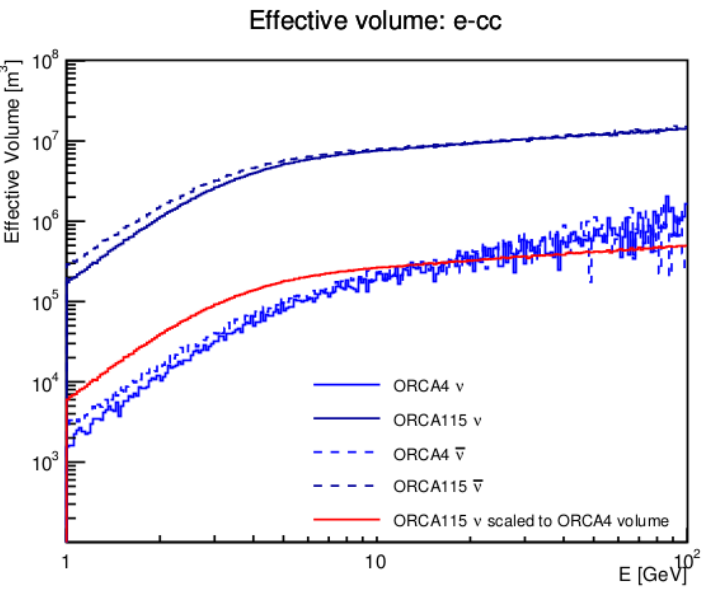
Effective volume:  $\mu$ -cc



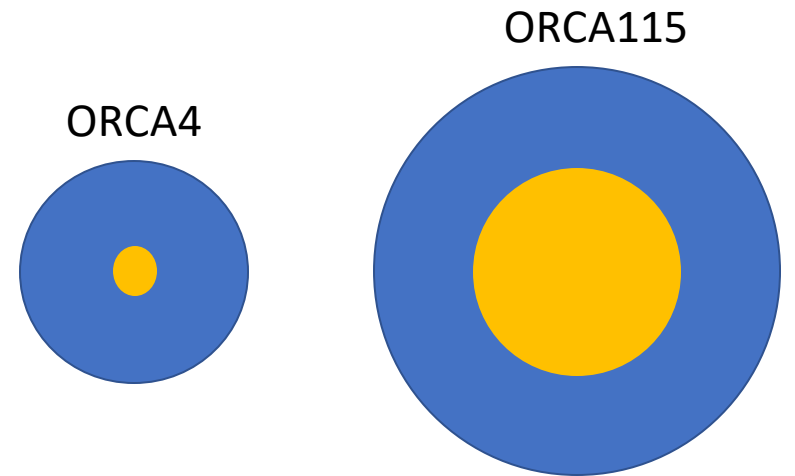
Effective volume:  $\tau$ -cc



# Effective mass: ORCA4 vs ORCA115



Can: generation volume = detector + N absorption lengths



Small detector: relatively large volume of can

Big detector: relatively small volume of can