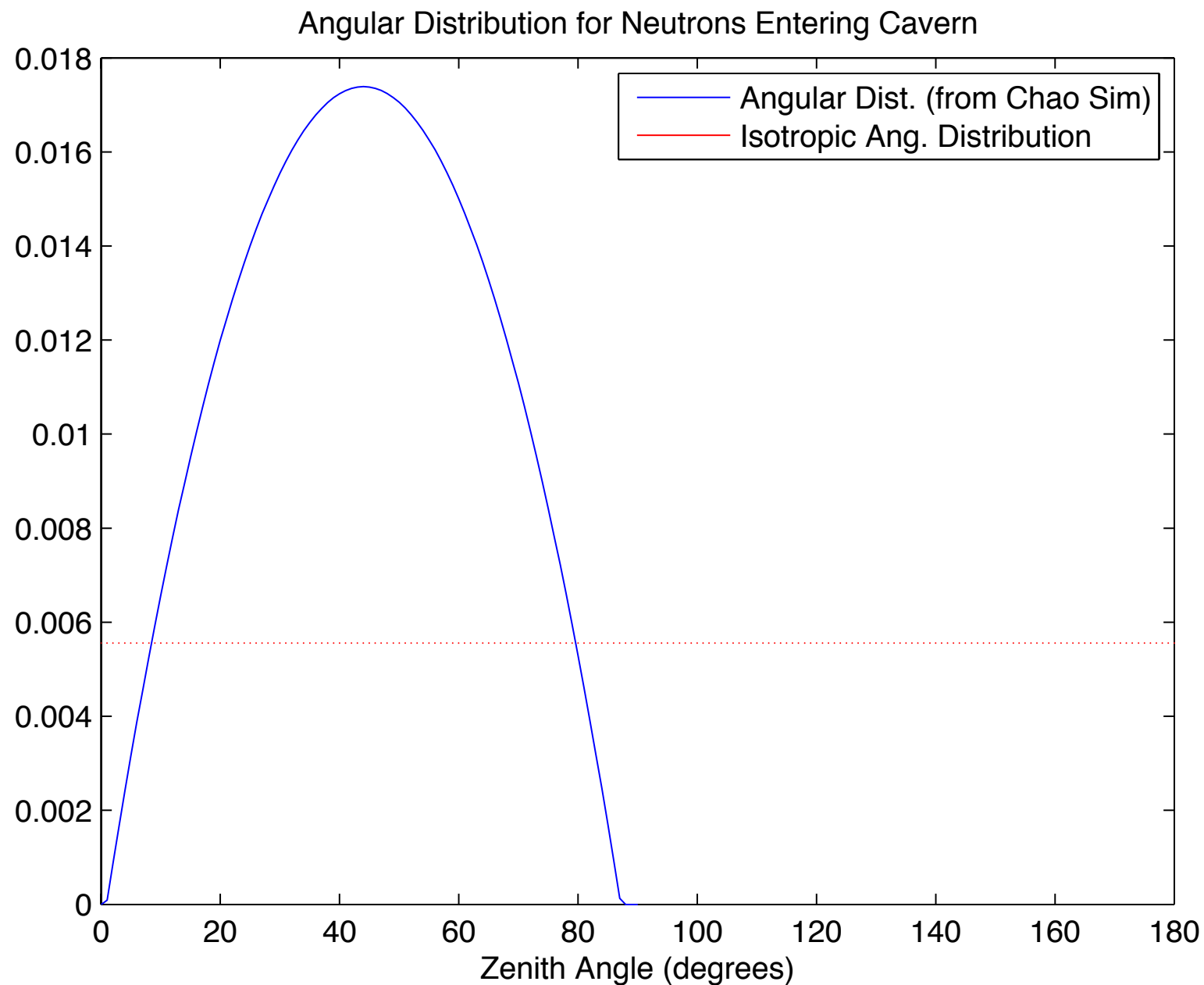
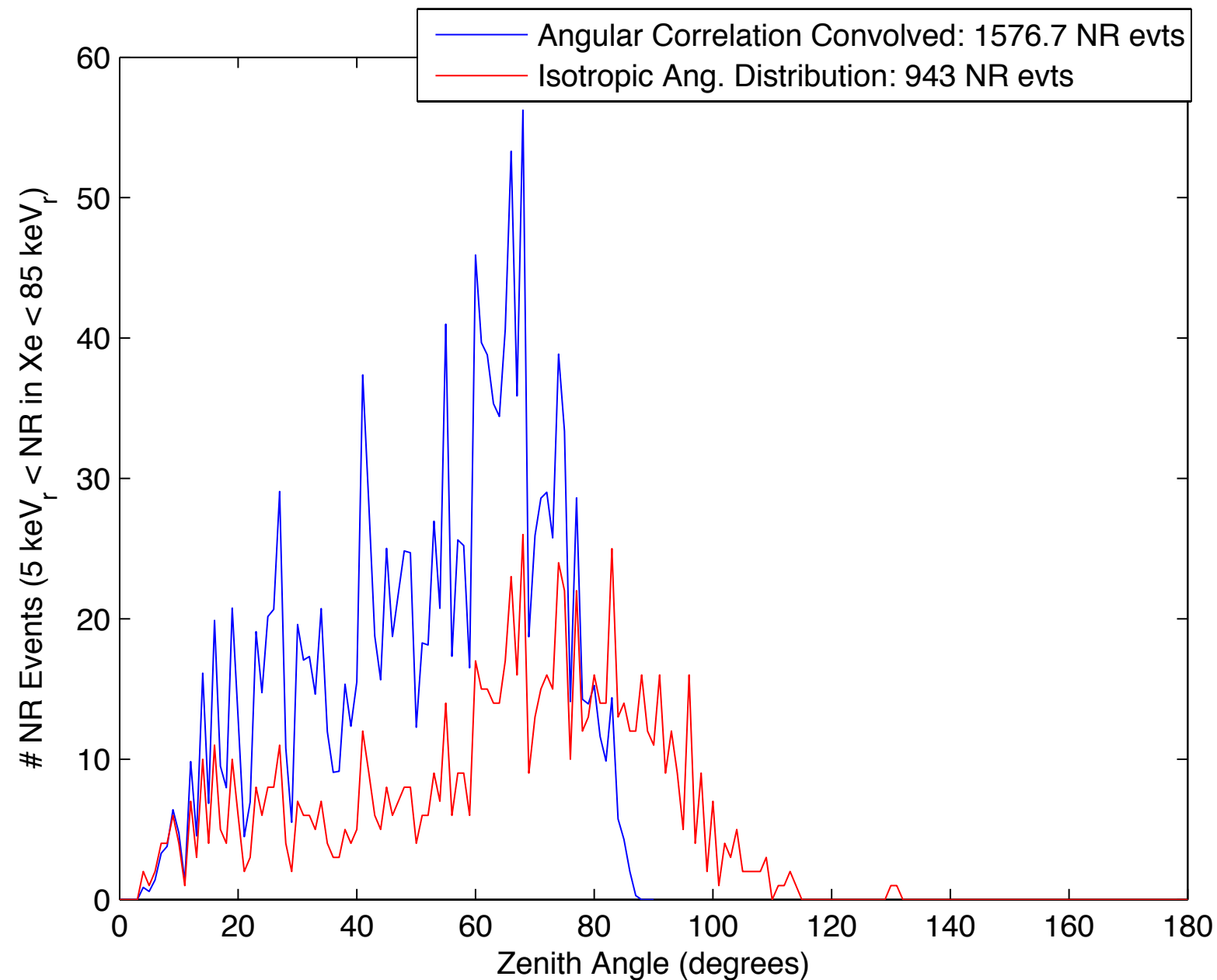


Accounting for Zenith Angle Distribution for Incoming Neutrons



- Use spectrum from Chao's work last week: preferred zenith angle and isotropic azimuthal angle
- Generated angular spectrum for NR events in zenith angle for isotropic distribution
- Convolved this with Chao's angular distribution by weighting each bin in zenith angle by factor difference in Chao's spectrum

NR events for Isotropic & Chao's Distribution for Zenith angle



67% increase in NR events

*based on top half of sphere but symmetric LZ geometry in z