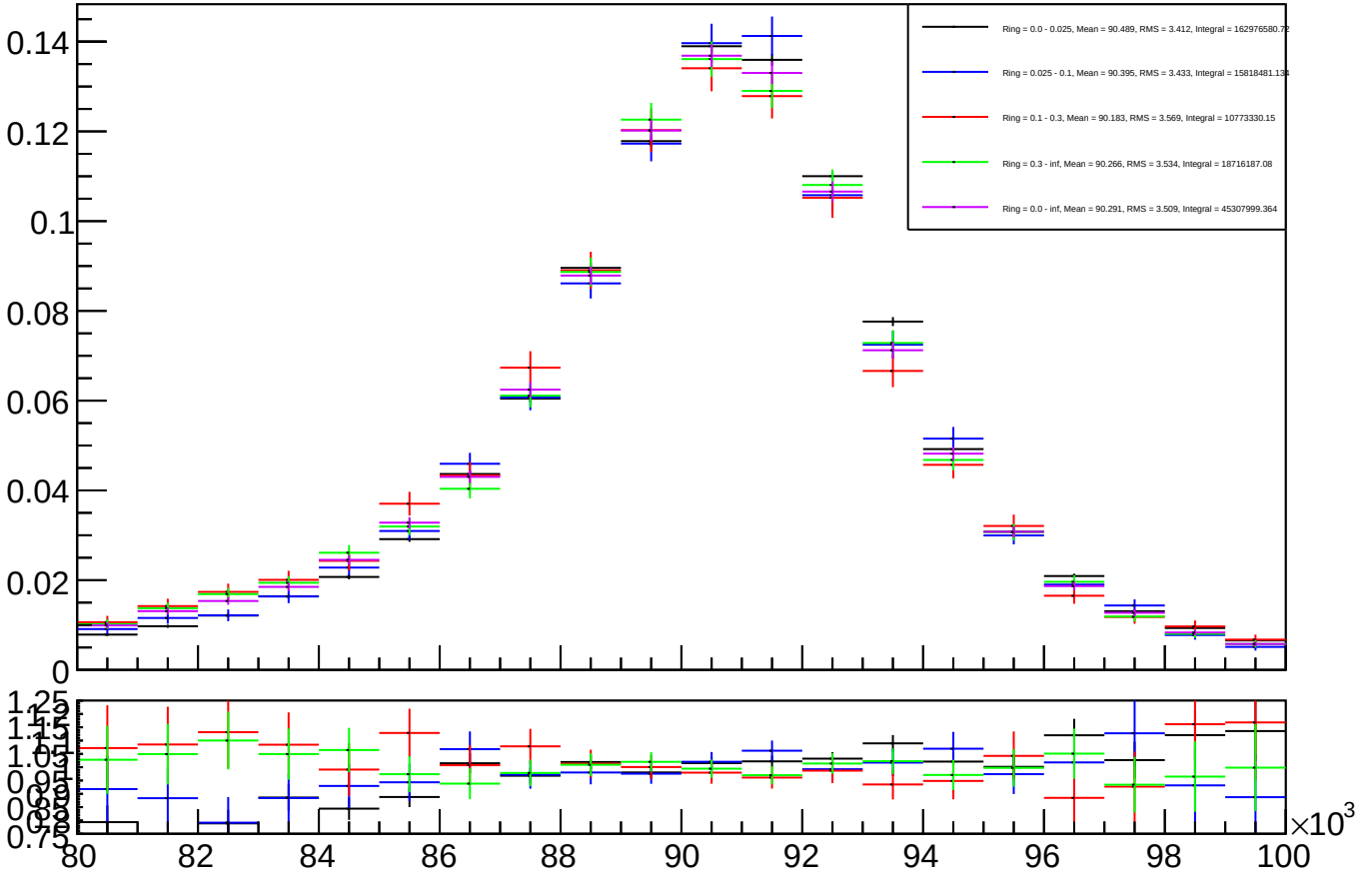Invariant Mass Distributions in All Rings