Cumulative Poisson Distributions for κ_{2V} , κ_{λ} , $\kappa_{V} = 1$, 1, 1 1.0 **Bgd Cumulative PDF** S+B Cumulative PDF Signal Cumulative PDF Observed n=495 8.0 Bgd p-value=0.55 Cumulative Poisson Probability Signal p-value=1.20 0.6 0.4 0.2 0.0 400 500 600 300 700

Number of Events