Cumulative Poisson Distributions for κ_{2V} , κ_{λ} , $\kappa_{V} = 3$, 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=0.03 0.6 0.4 0.2 0.0 300 500 600 400 700 800

Number of Events