Sensitivity to the injection of doublet coincidences  $10^{4}$ N Datasets  $10^{3}$  $10^{2}$ Doublet injection  $10^{1}$ Null hypothesis distribution IC220424A & IC230416A with NGC 7469 10<sup>0</sup>  $10^{2}$ 10<sup>0</sup>  $10^1$ Negative test statistic