$N_{\text{tot}} = 5.8M, \rho = 0.0, \epsilon_\rho = 0.04, \mu = 40.0, \sigma_\mu = 0.0, \beta = 0.01, \sigma_\beta = 0.0, \text{algo} = 2, N_{\text{init}} = 100$
$\lambda_E = 1.0, \lambda_I = 1.0, \text{rand.inf.} = \text{True}, N_{\text{retries}}^{\text{connect}} = 0, \text{ID} = 0, \text{v.} = 1.0$
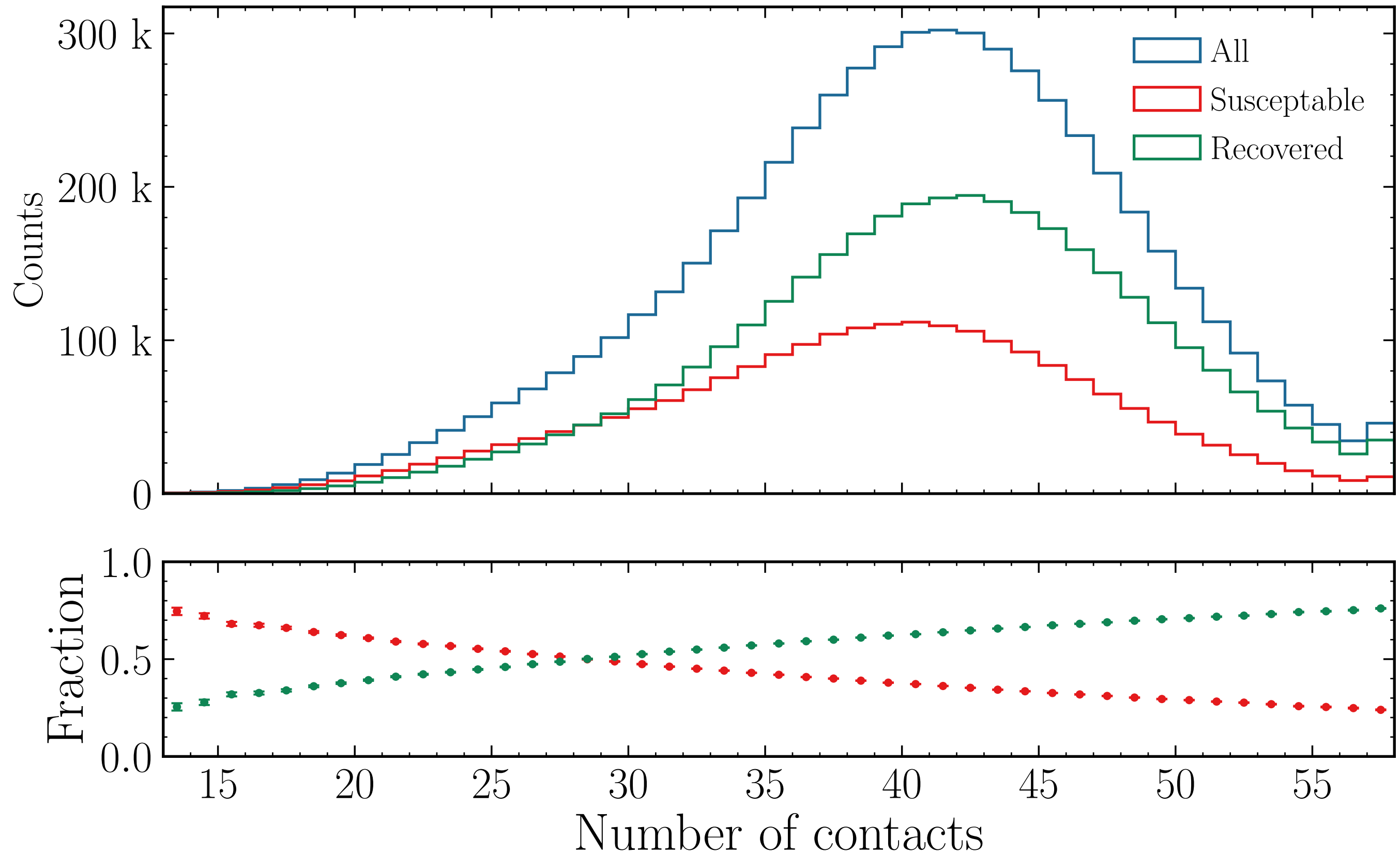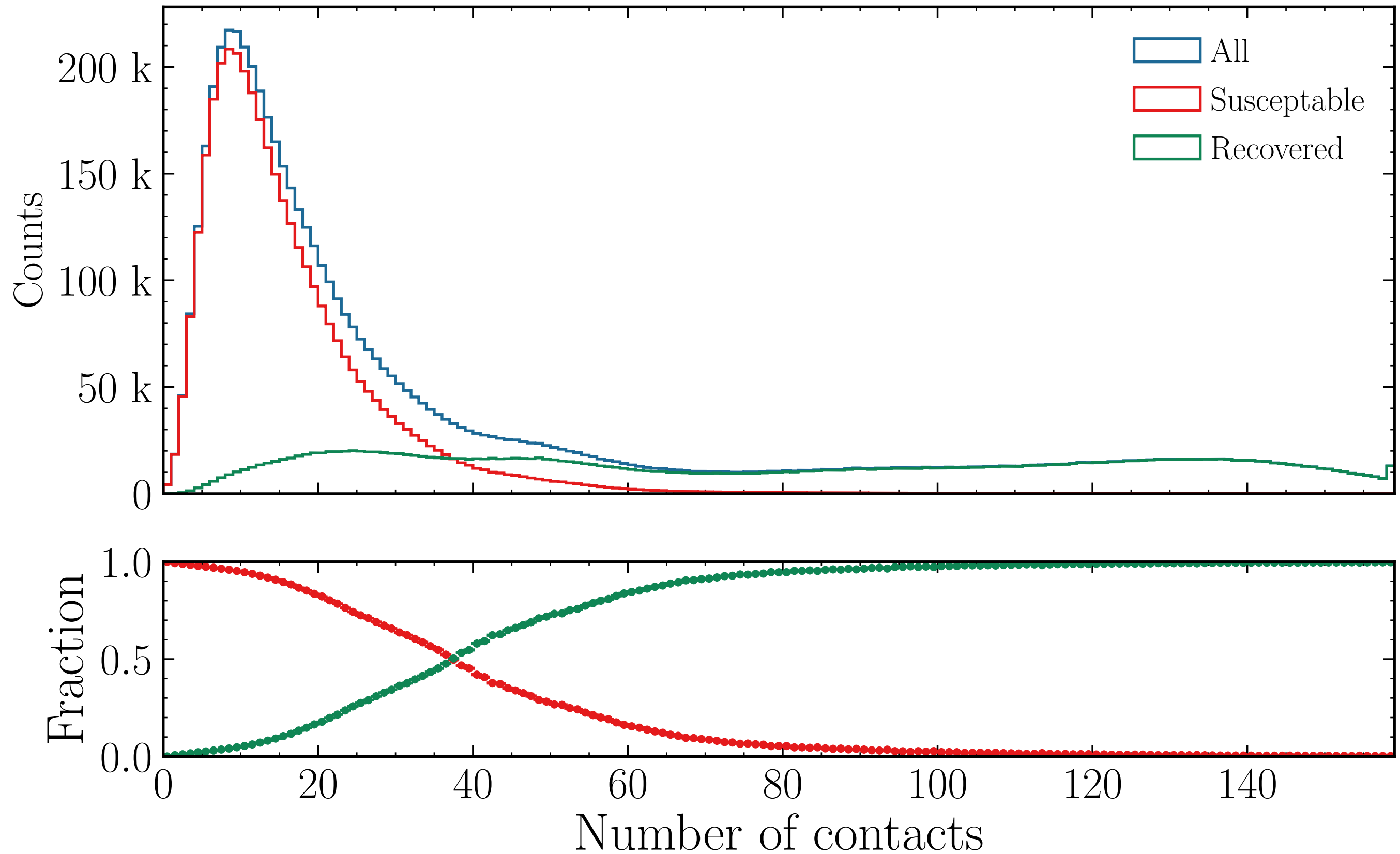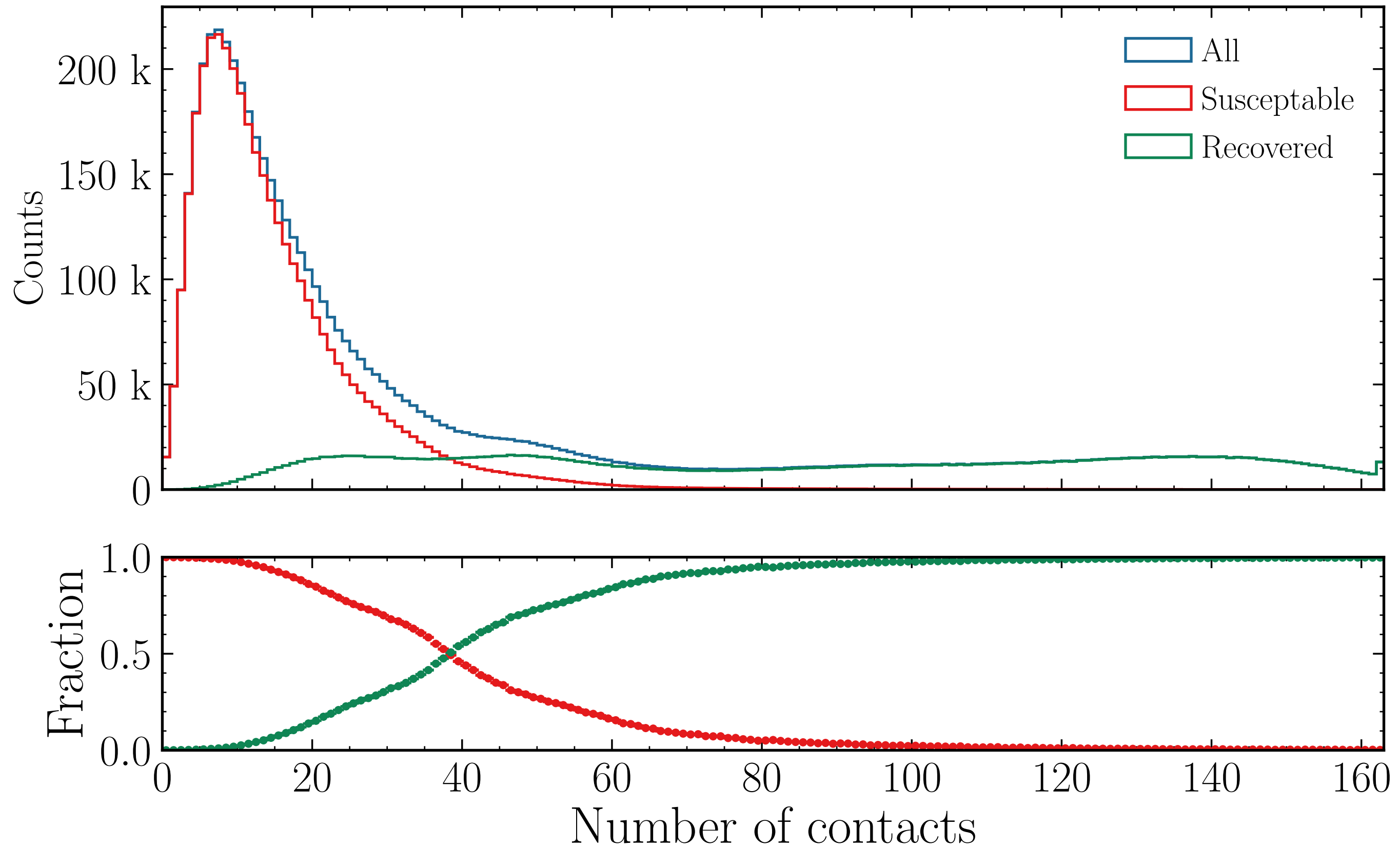
$N_{\text{tot}} = 5.8M$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo $= 2$, $N_{\text{init}} = 100$
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. $=$ True, $N_{\text{retries}}^{\text{connect}} = 0$, ID $= 0$, v. $= 1.0$
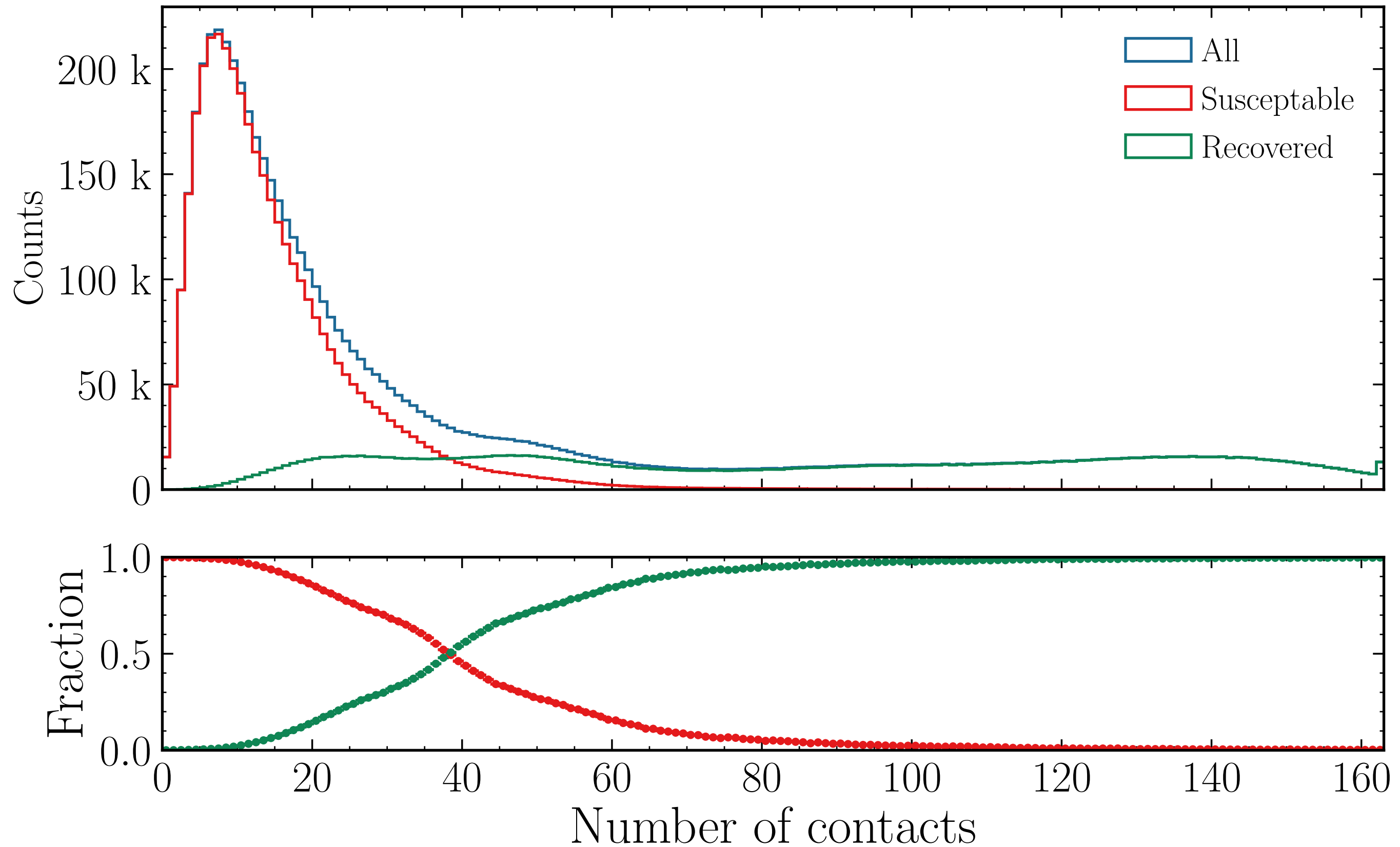
$N_{\text{tot}} = 5.8M$, $\rho = 0.1$, $\epsilon_\rho = 0.0$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = False, $N_{\text{retries}}^{\text{connect}} = 0$, ID = 0, v. = 1.0
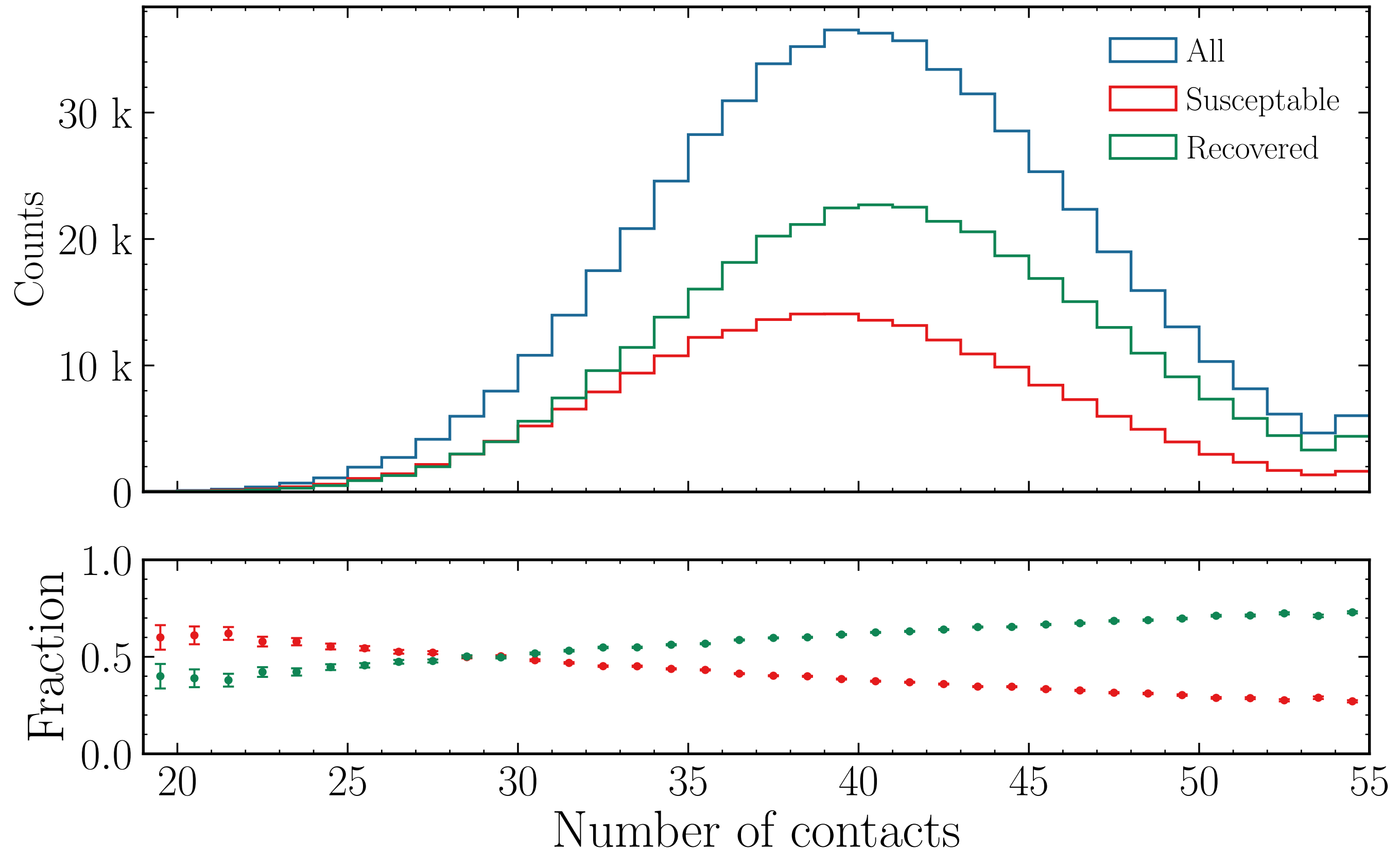
$N_{\mathrm{tot}} = 5.8M$, $\rho = 0.1$, $\epsilon_\rho = 0.0$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo $= 2$, $N_{\mathrm{init}} = 100$
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. $=$ True, $N_{\mathrm{retries}}^{\mathrm{connect}} = 0$, ID $= 0$, v. $= 1.0$

$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo $= 2$, $N_{\text{init}} = 100$
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. $=$ True, $N_{\text{retries}}^{\text{connect}} = 0$, ID $= 0$, v. $= 1.0$

$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, ID = 0, v. = 1.0