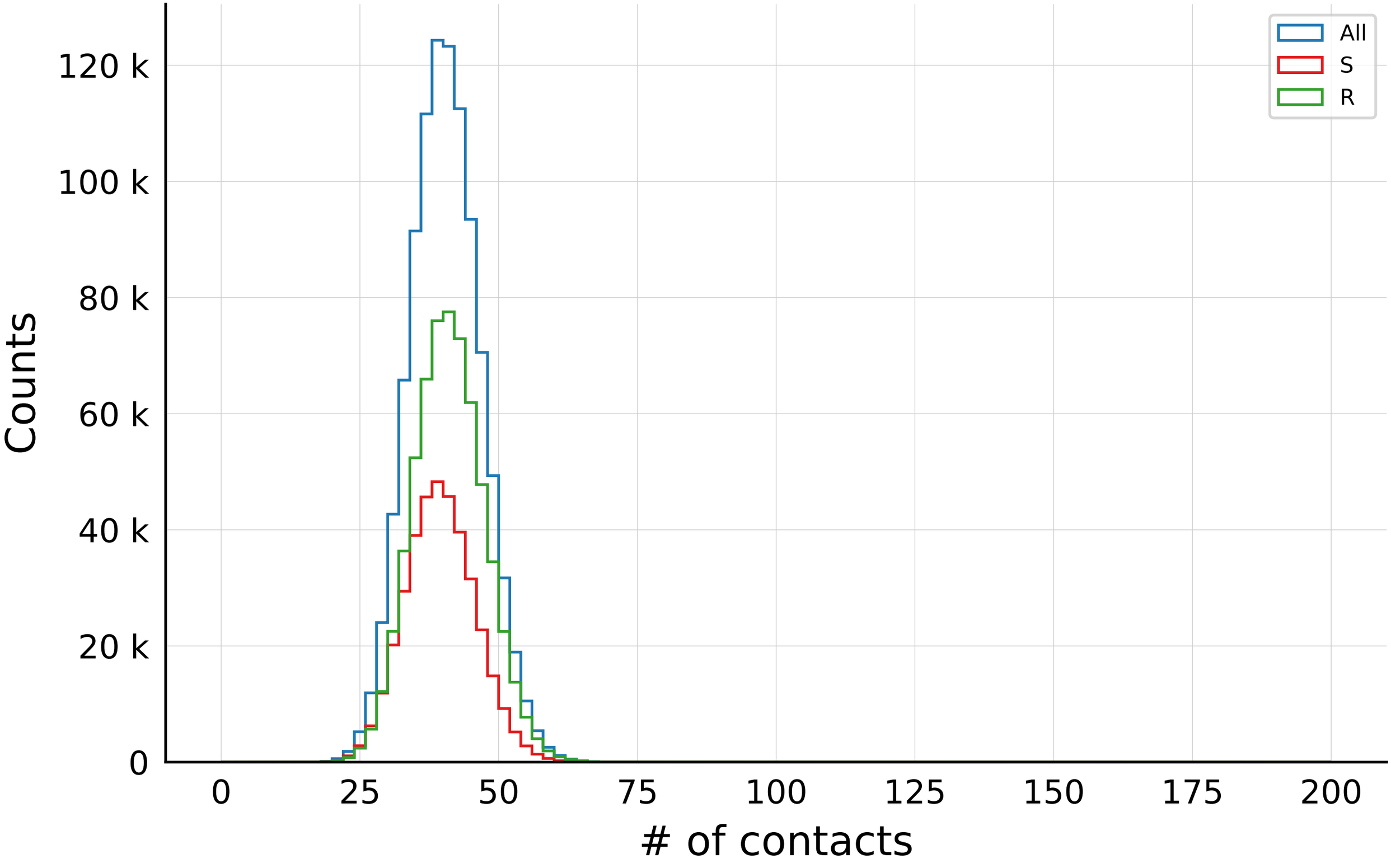
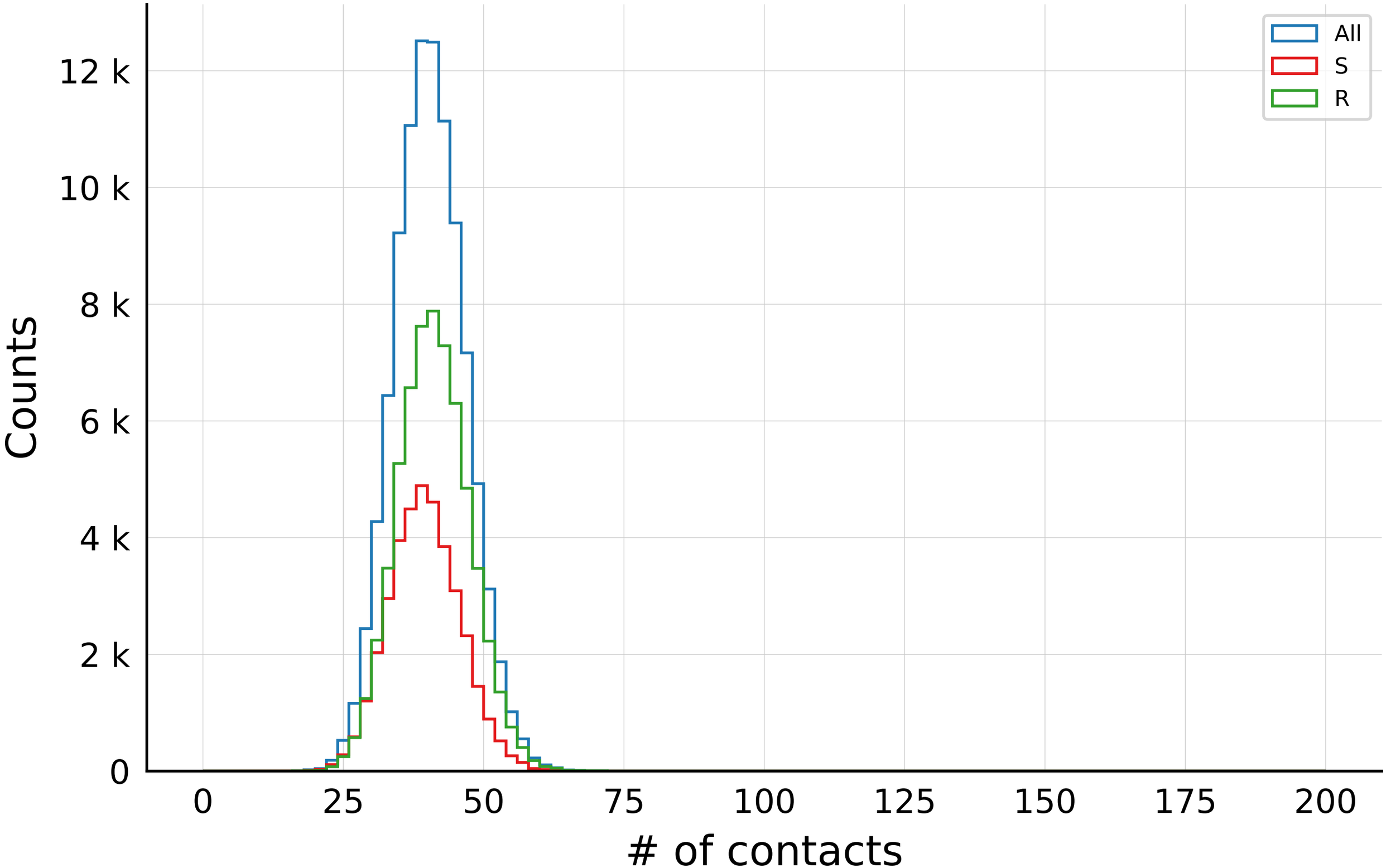
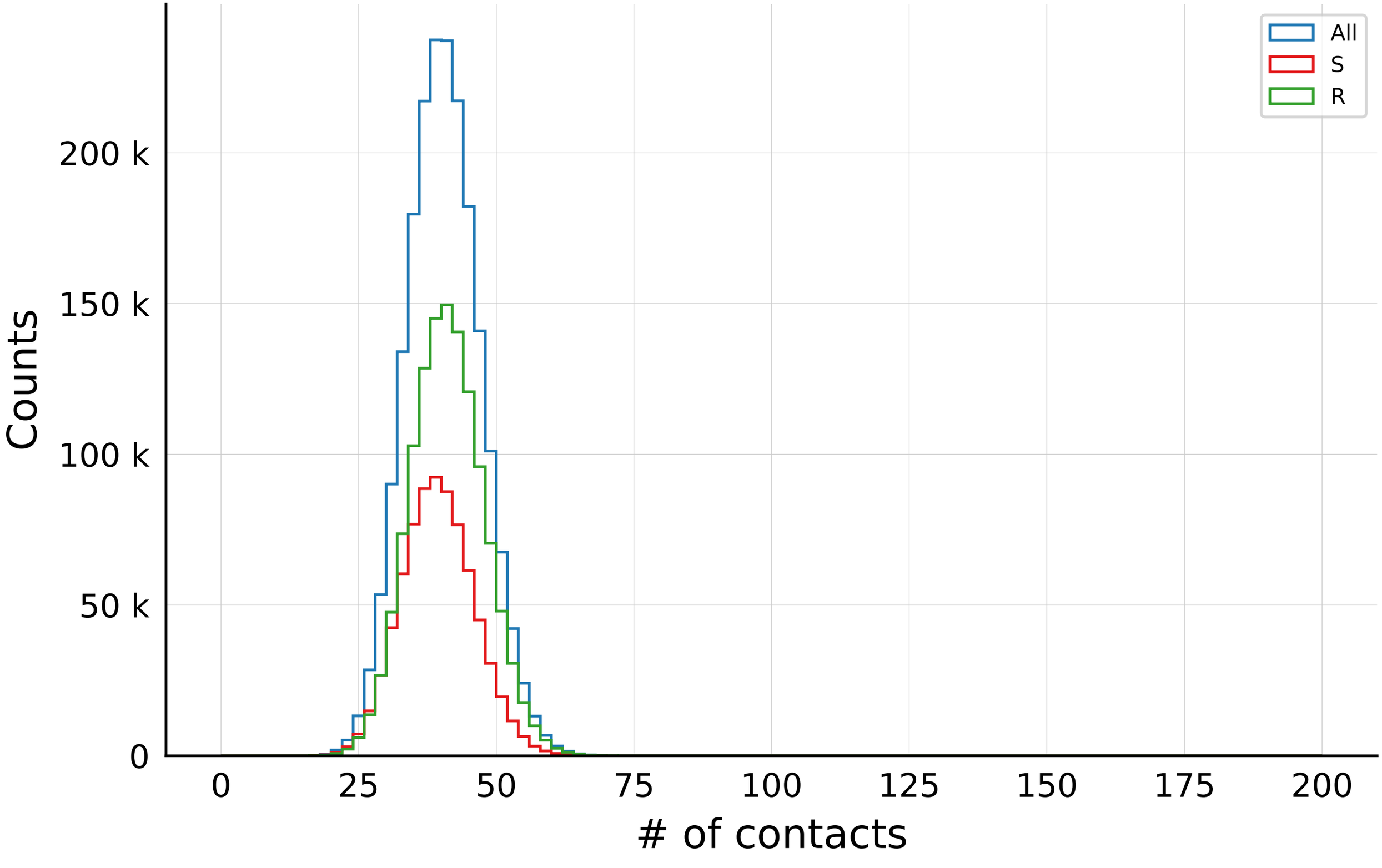
$$N_{\text{tot}} = 1M,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



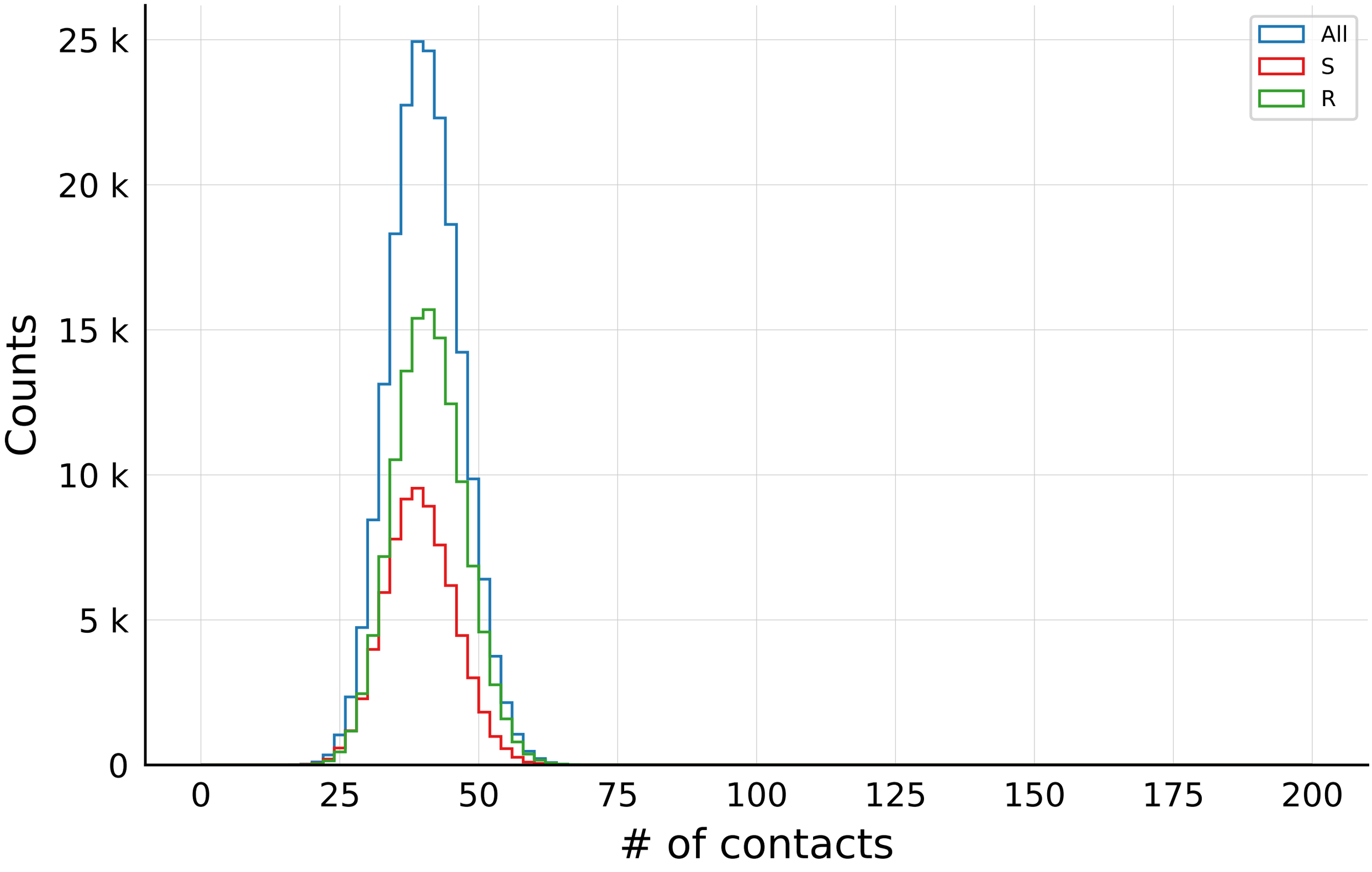
$$N_{\text{tot}} = 100K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



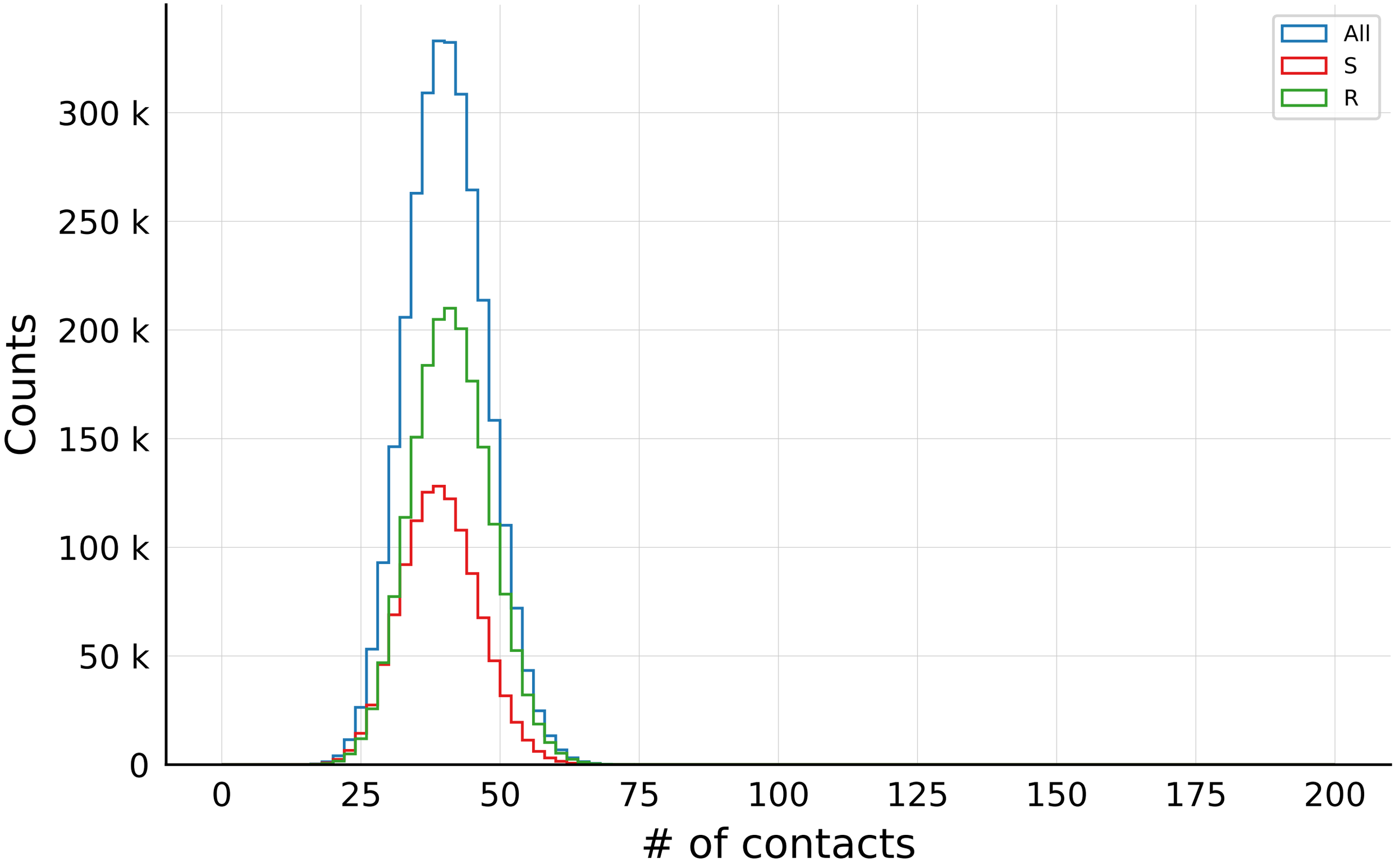
$$N_{\text{tot}} = 2M,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



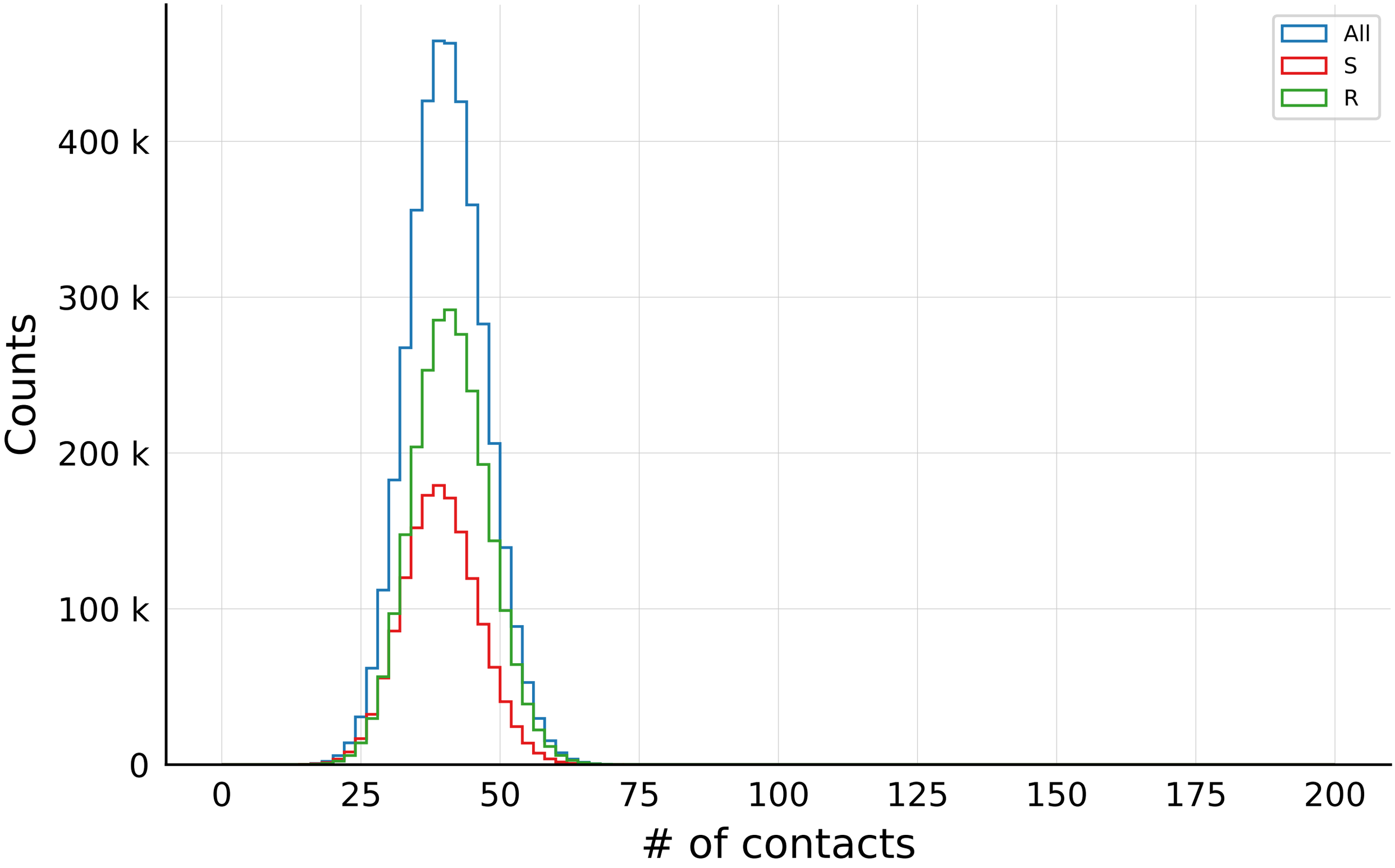
$$N_{\text{tot}} = 200K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



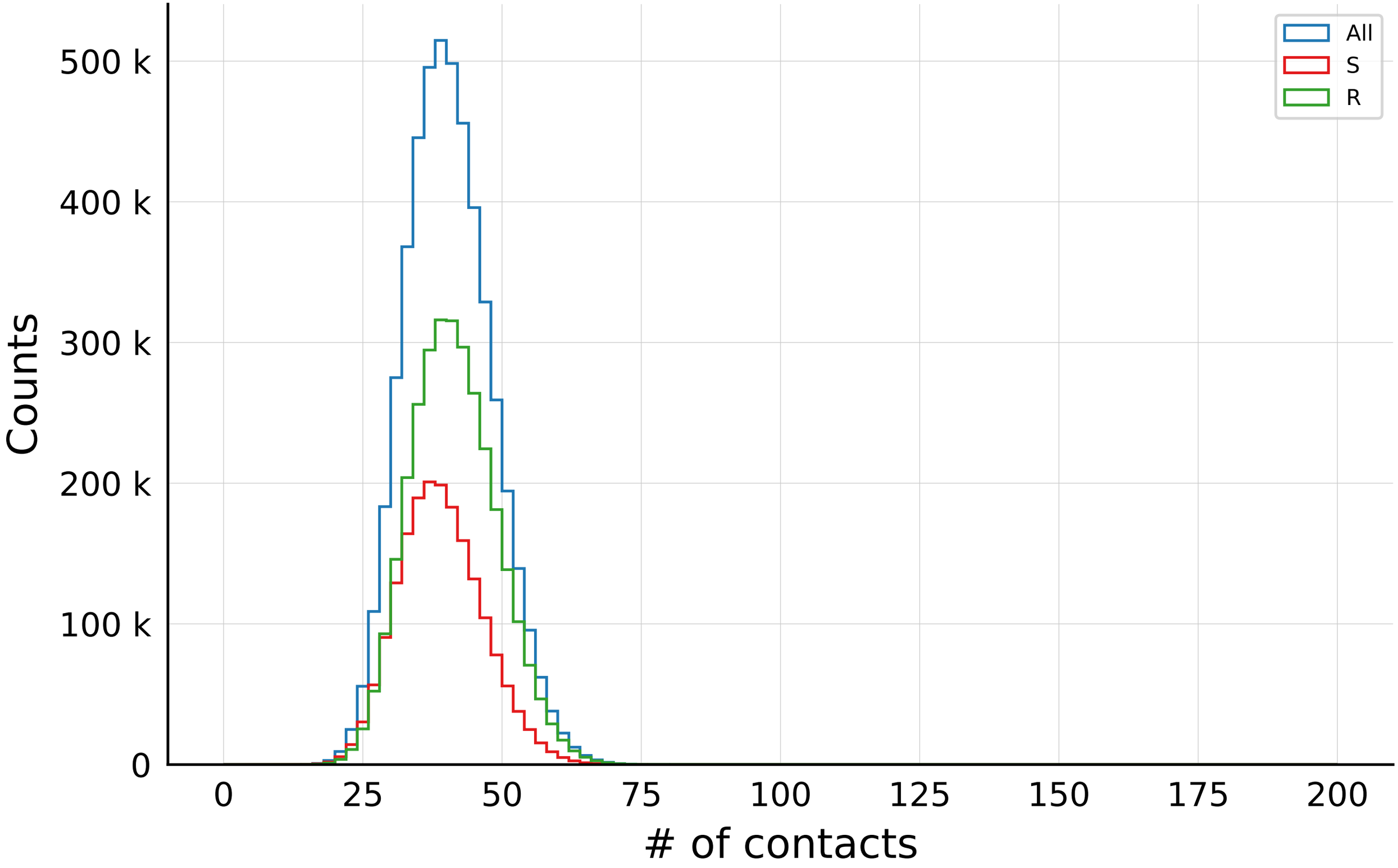
$$N_{\text{tot}} = 3M,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



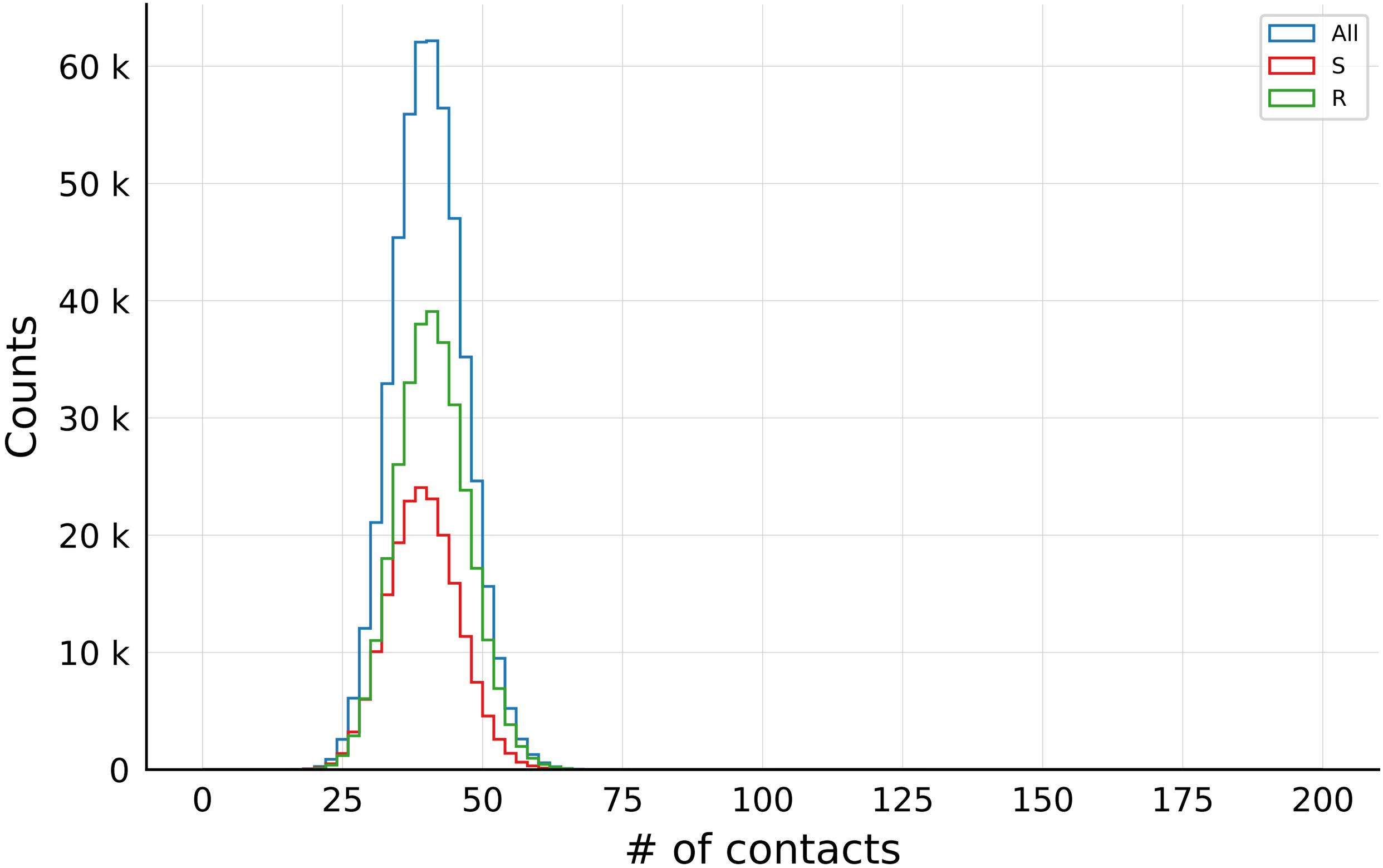
$$N_{\text{tot}} = 4M,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



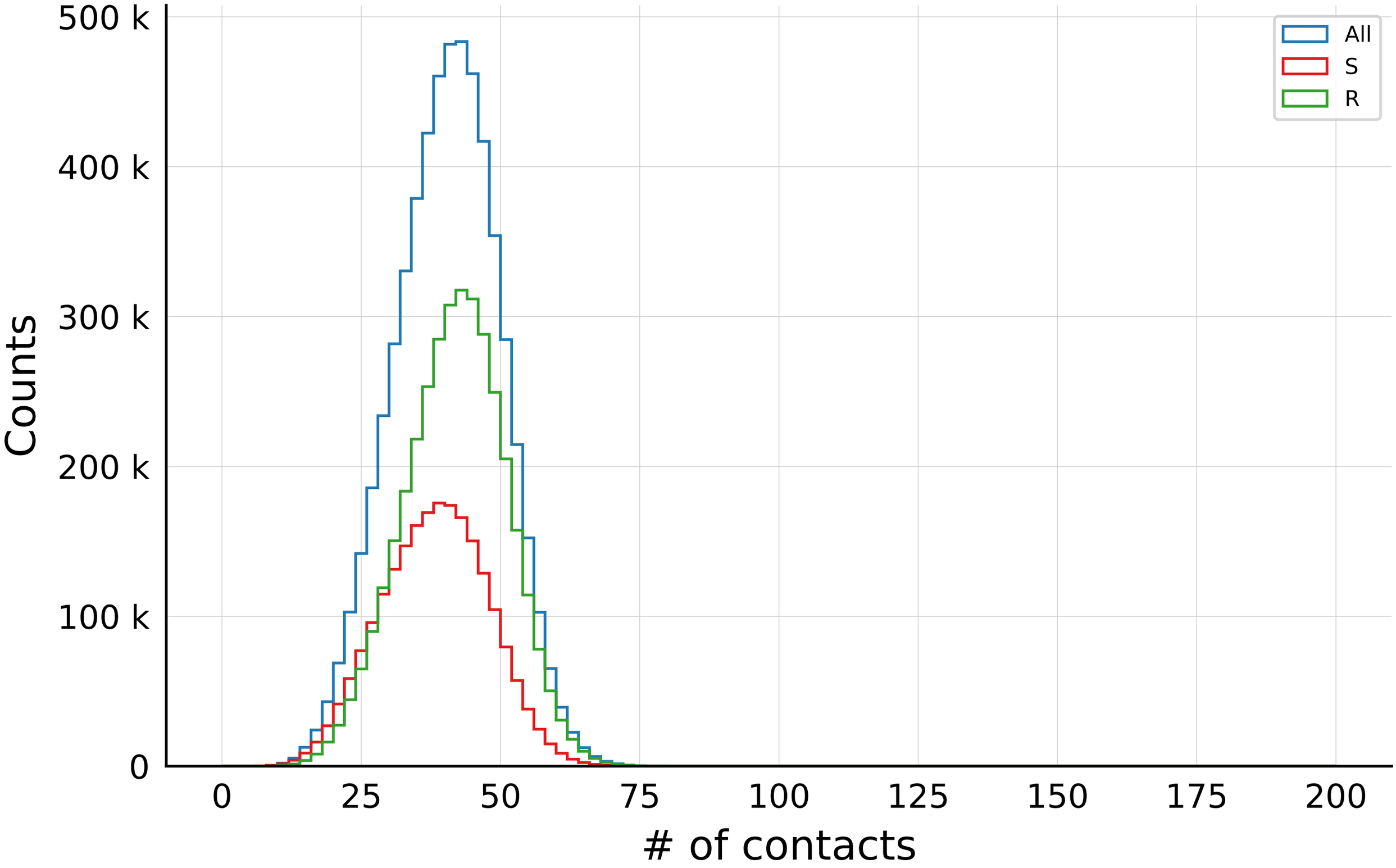
$$N_{\text{tot}} = 5M,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



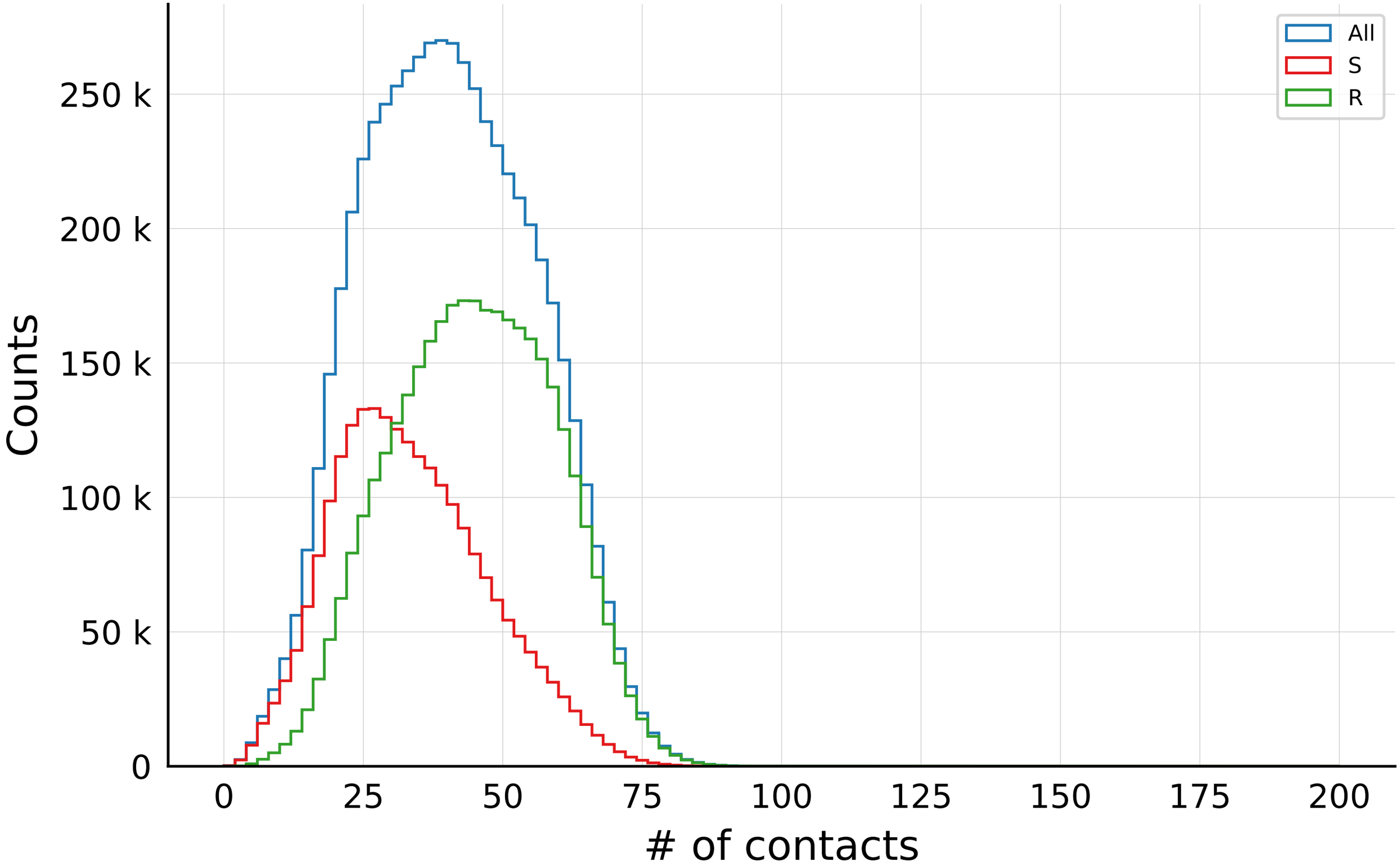
$$N_{\text{tot}} = 500K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



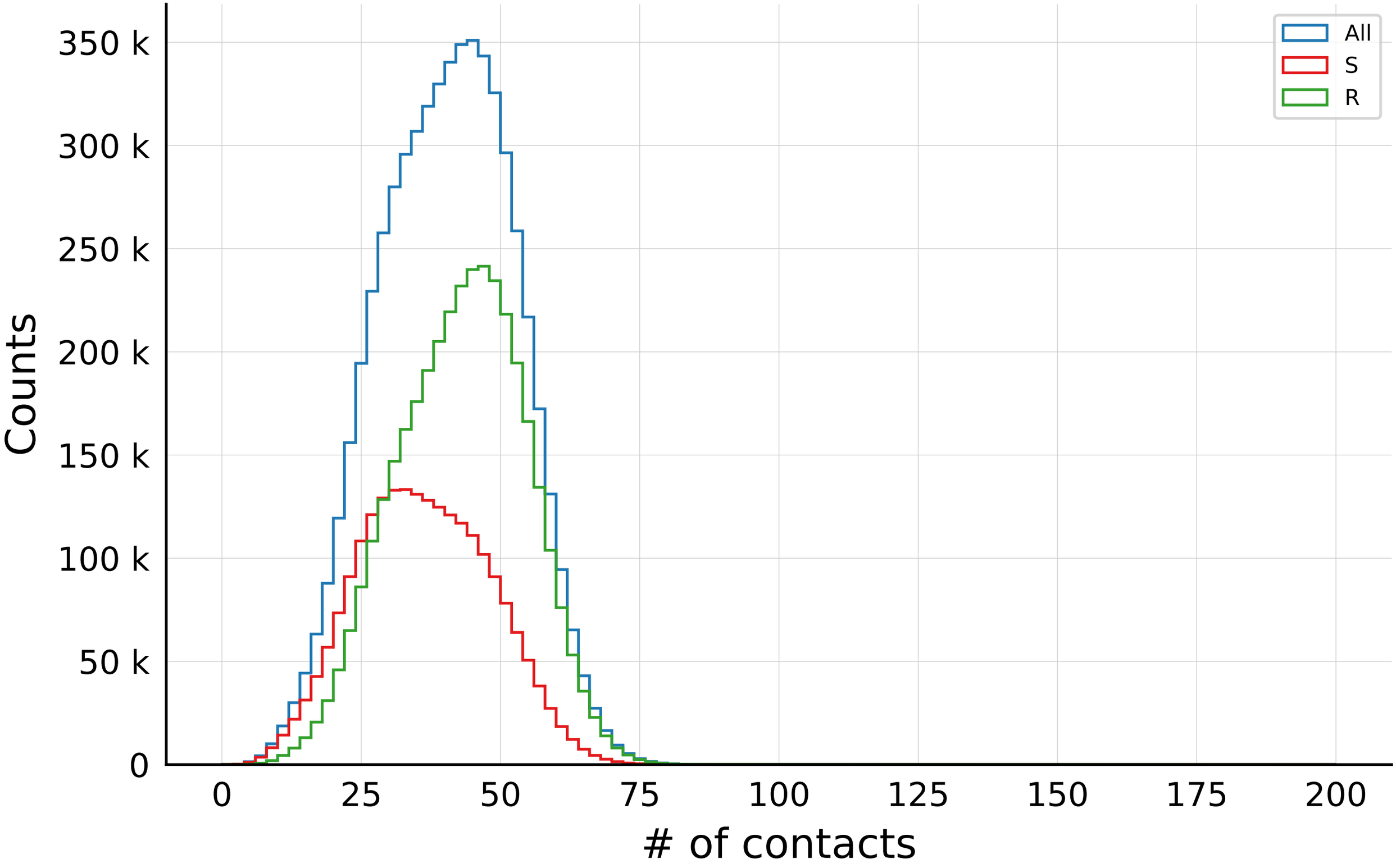
$$N_{\text{tot}} = 5.8M,\ N_{\text{init}} = 100,\ \rho = 0.005,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



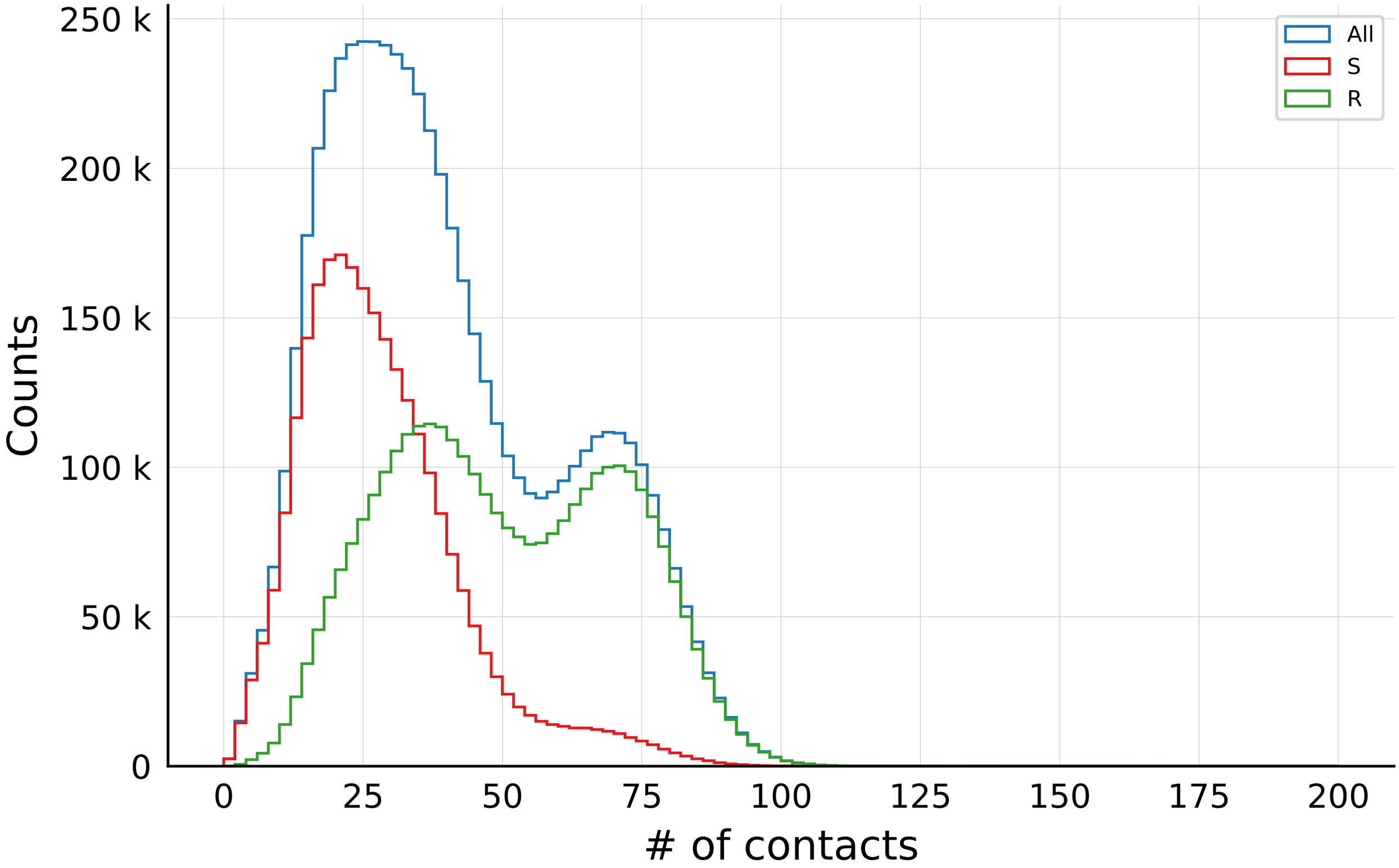
$$N_{\text{tot}} = 5.8M,\ N_{\text{init}} = 100,\ \rho = 0.015,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



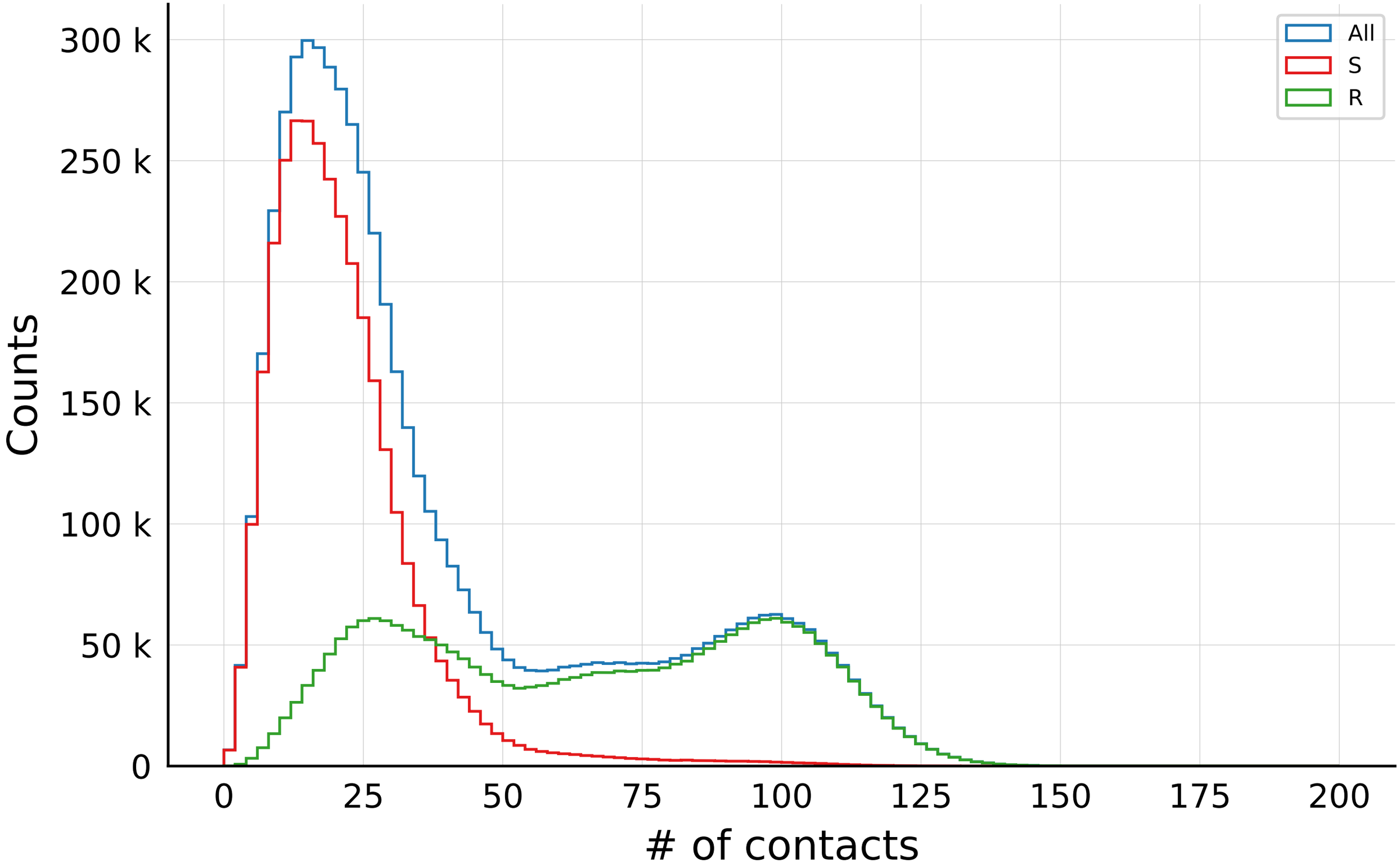
$$N_{\text{tot}} = 5.8M,\ N_{\text{init}} = 100,\ \rho = 0.01,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



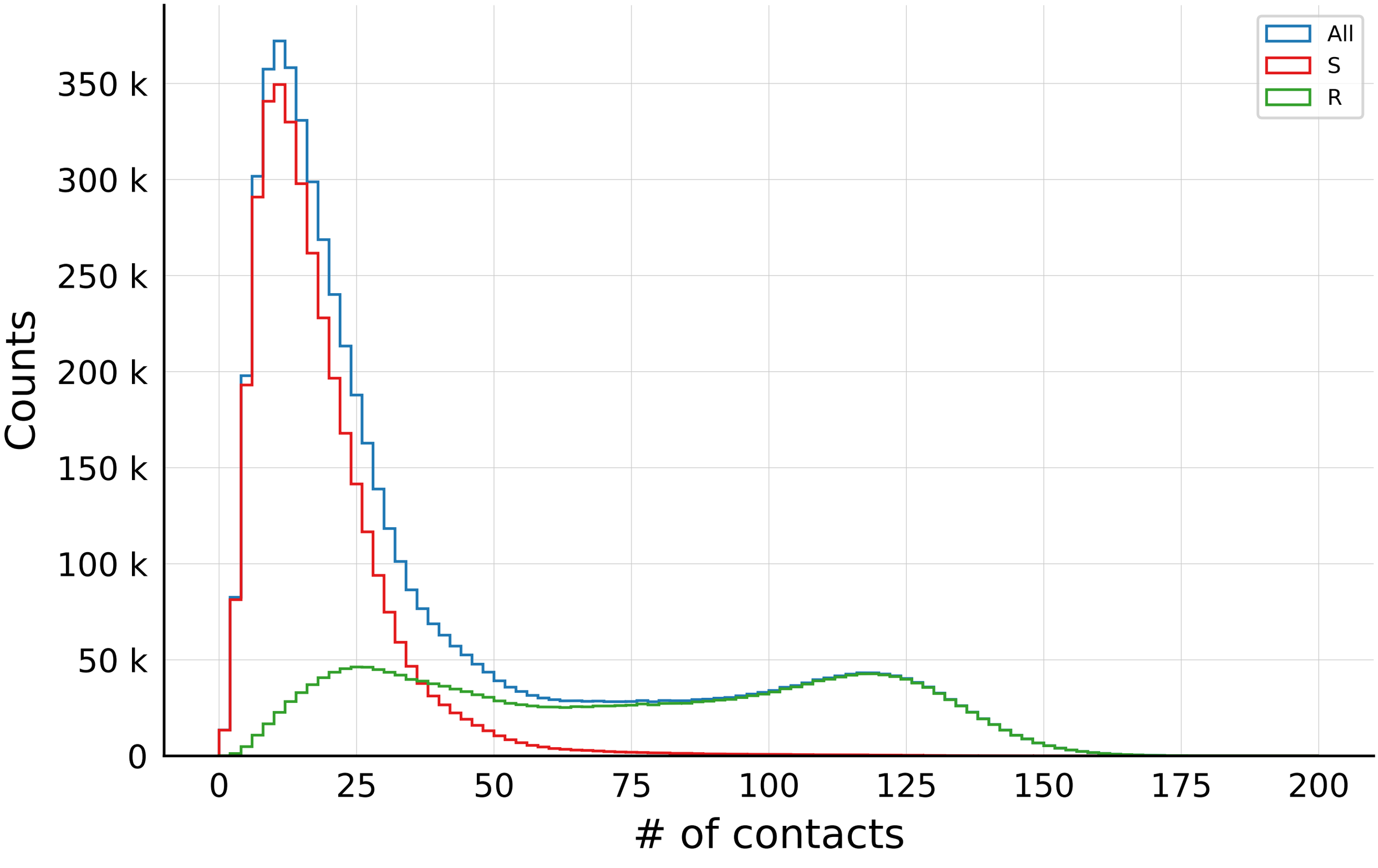
$$N_{\text{tot}} = 5.8M,\ N_{\text{init}} = 100,\ \rho = 0.025,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



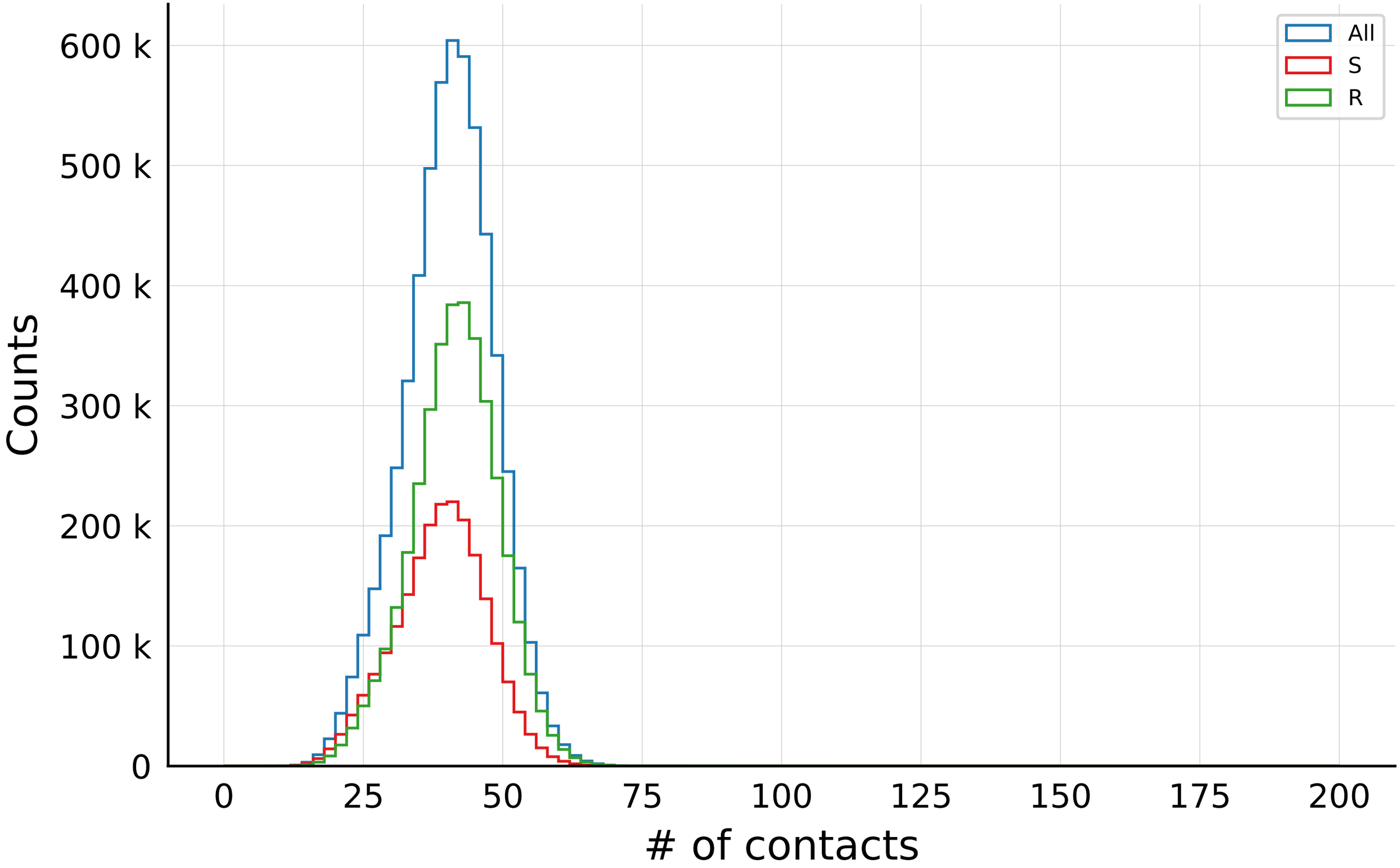
$$N_{\text{tot}} = 5.8M,\ N_{\text{init}} = 100,\ \rho = 0.05,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



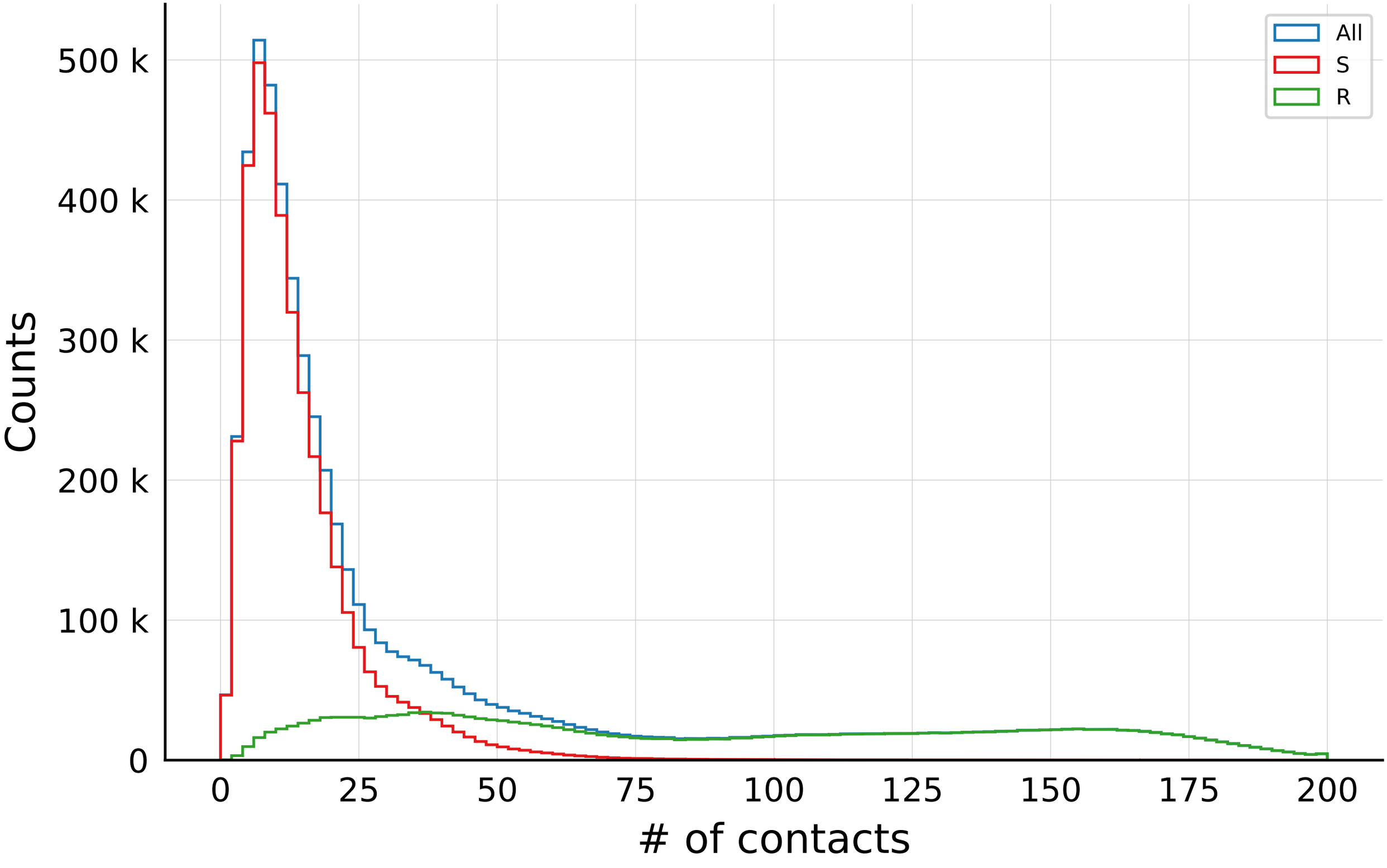
$$N_{\text{tot}} = 5.8M,\ N_{\text{init}} = 100,\ \rho = 0.075,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



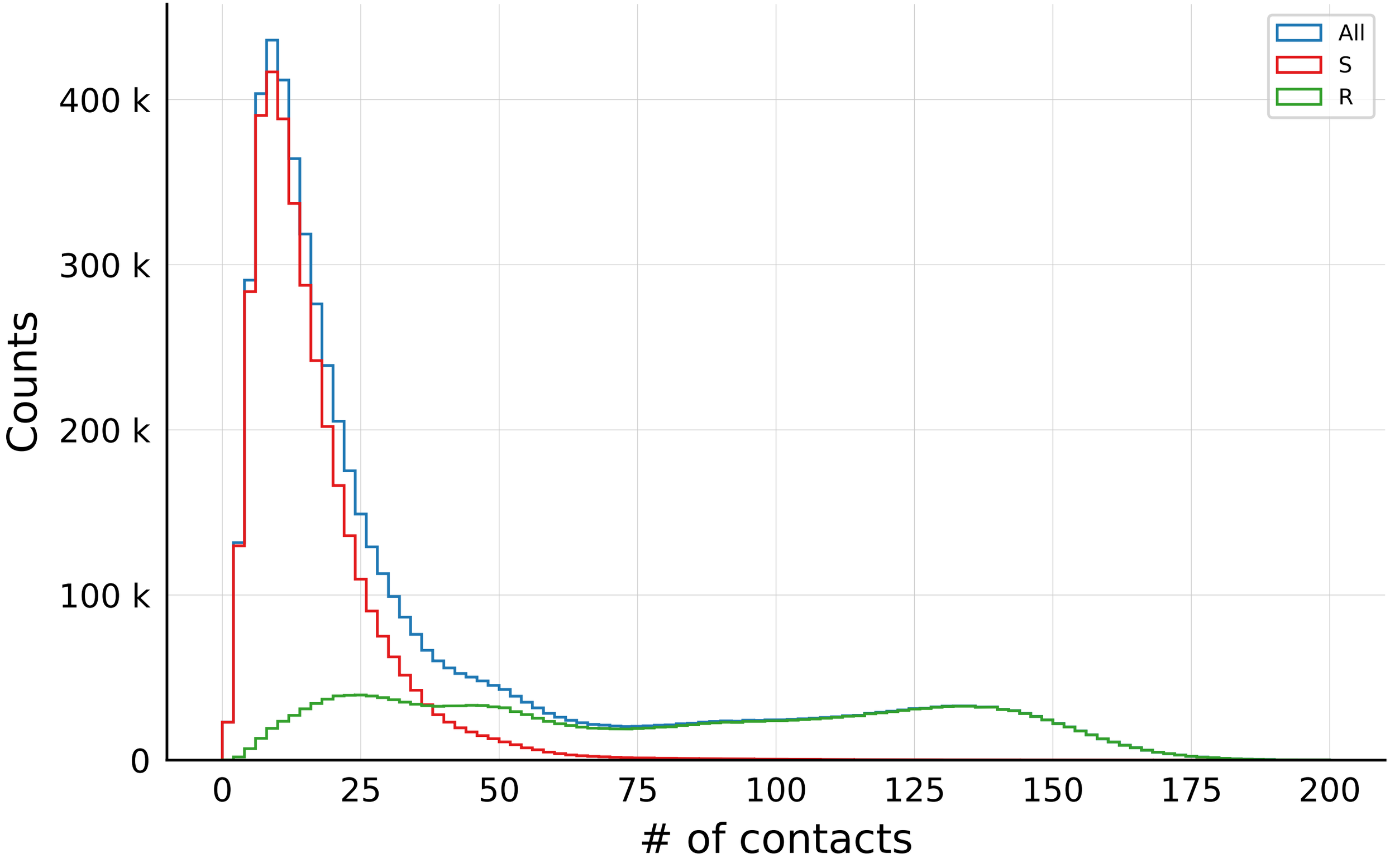
$$N_{\text{tot}} = 5.8M,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



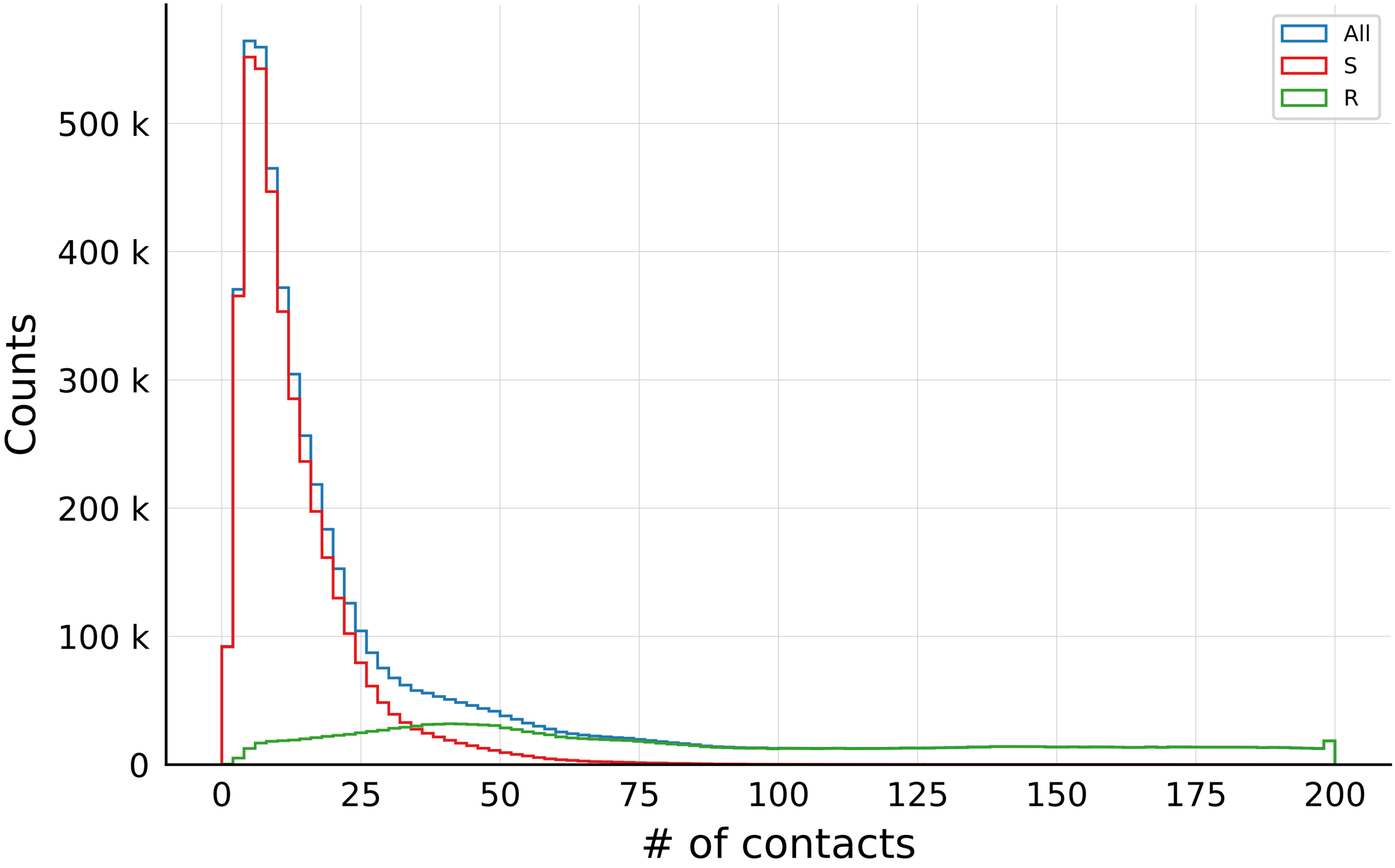
$N_{\text{tot}} = 5.8M,\ N_{\text{init}} = 100,\ \rho = 0.15,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$
$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$



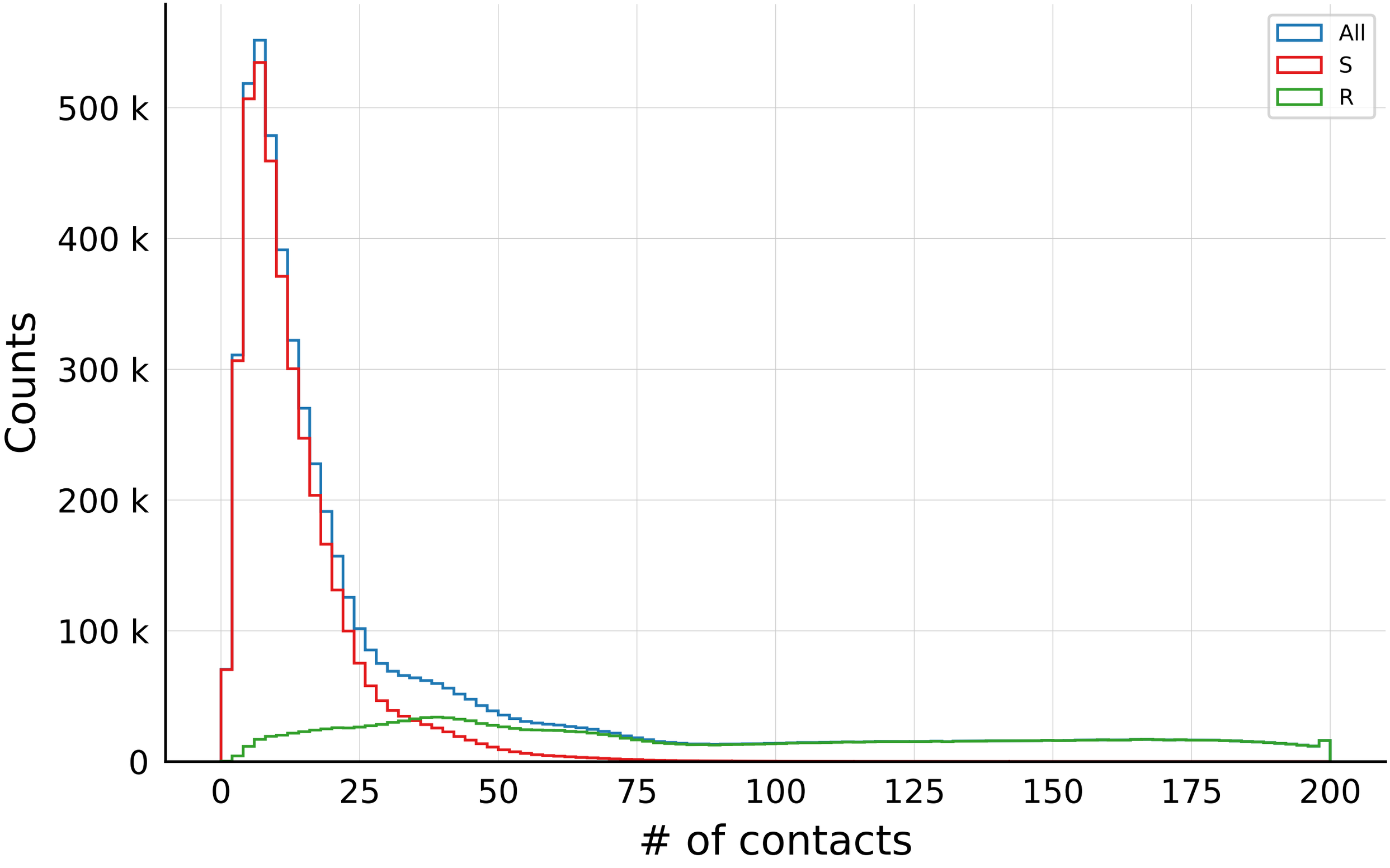
$$N_{\text{tot}} = 5.8M,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



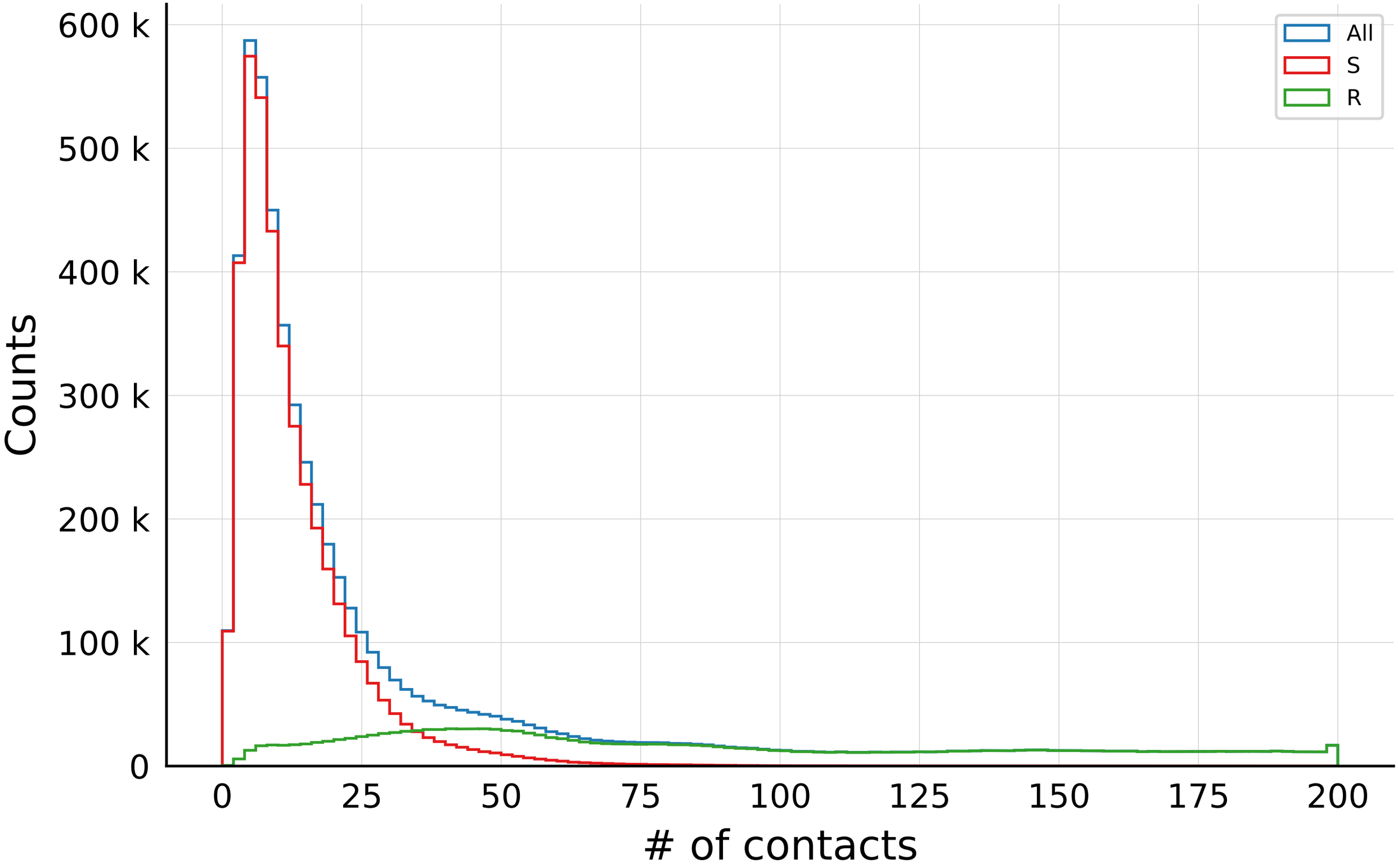
$$N_{\text{tot}} = 5.8M,\ N_{\text{init}} = 100,\ \rho = 0.25,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



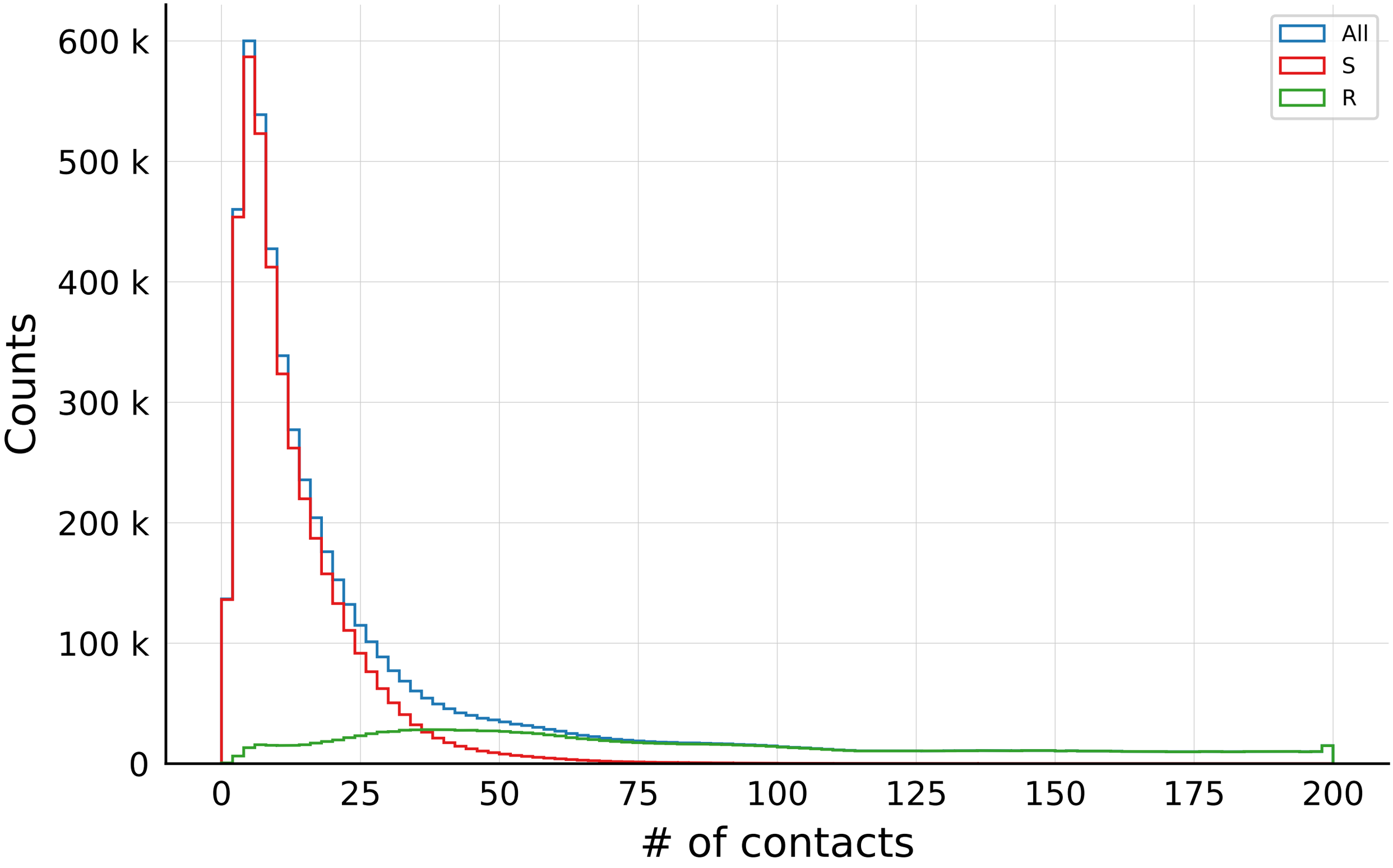
$$N_{\text{tot}} = 5.8M,\ N_{\text{init}} = 100,\ \rho = 0.2,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



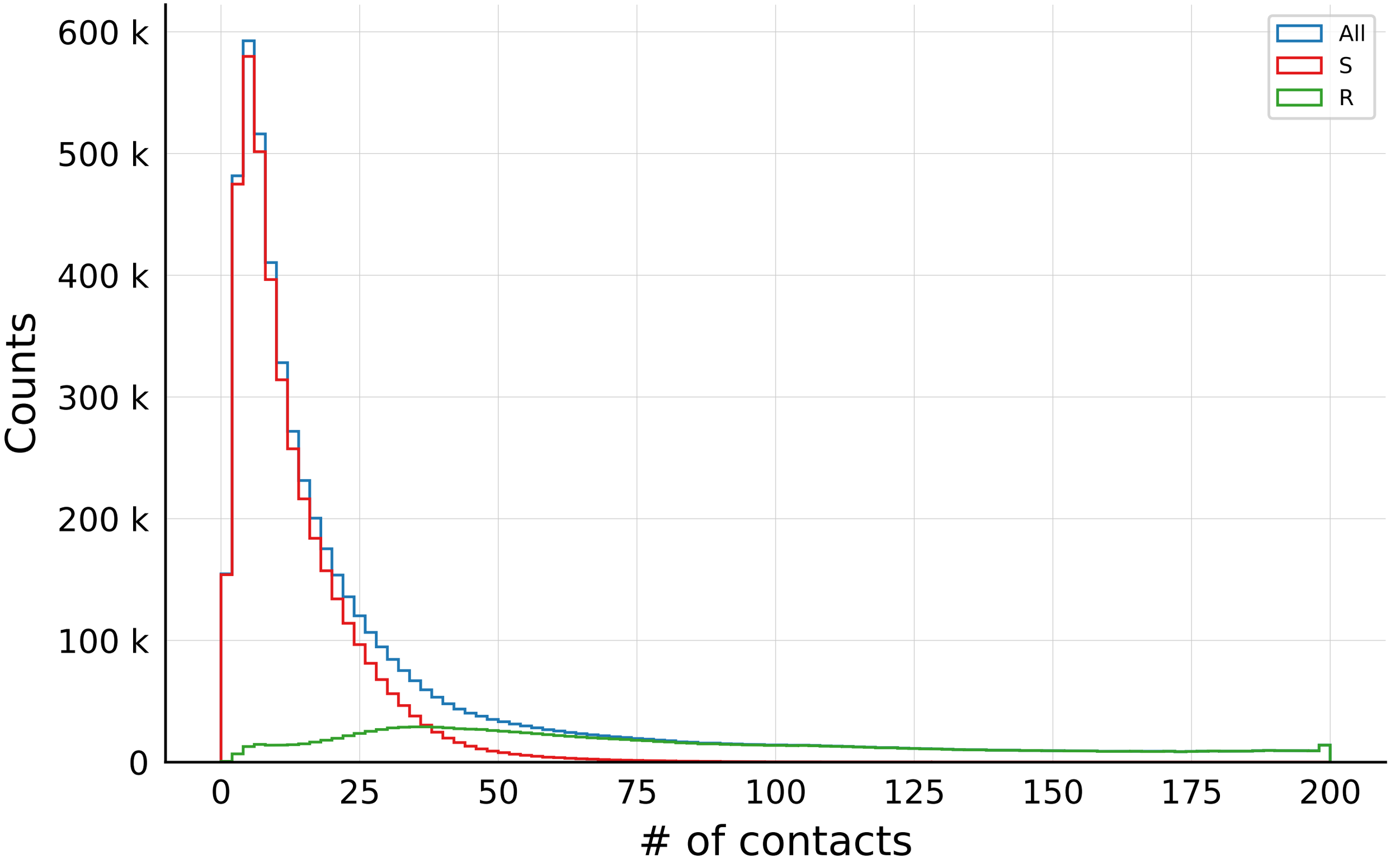
$N_{\text{tot}} = 5.8M,\ N_{\text{init}} = 100,\ \rho = 0.3,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$
$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$



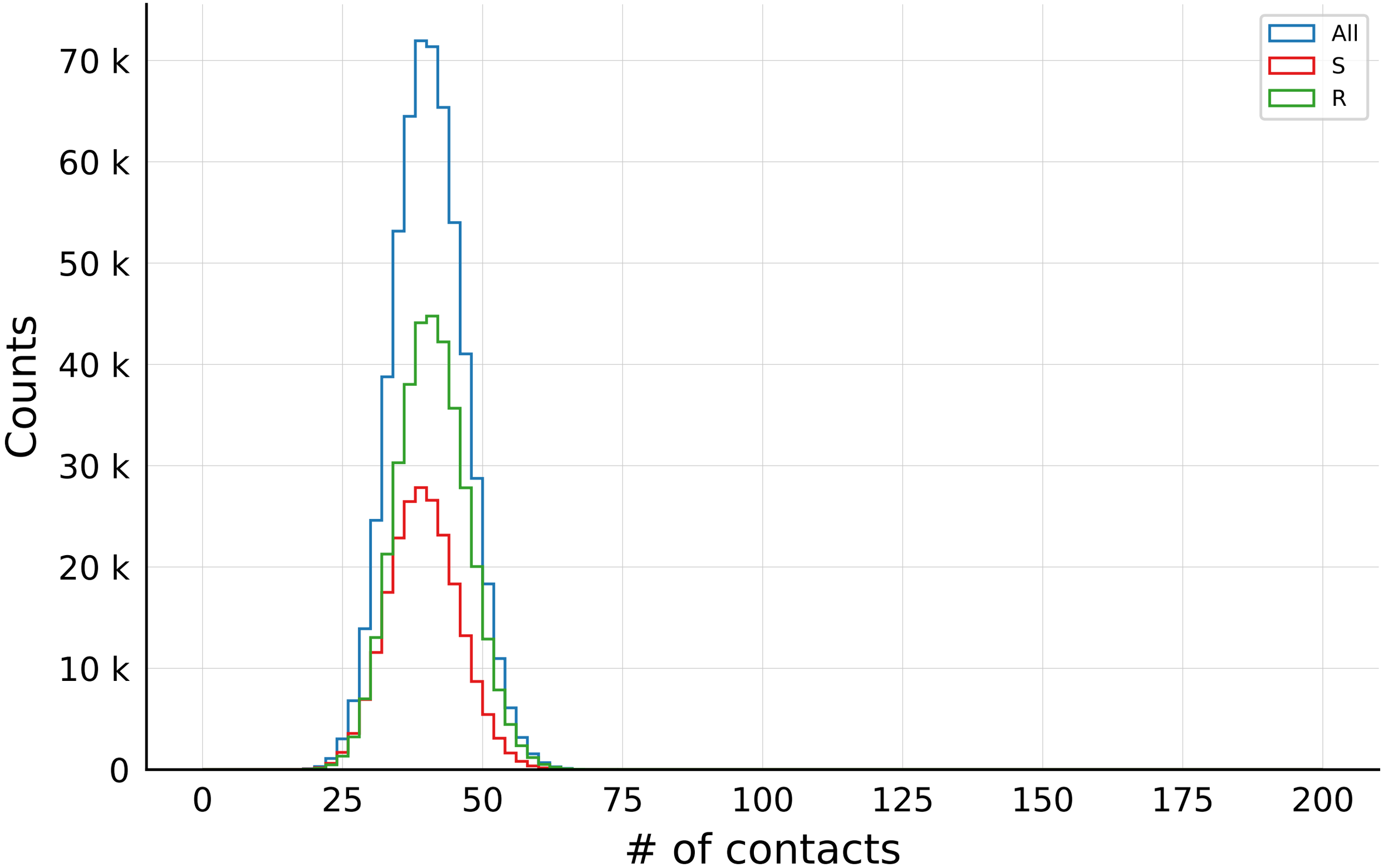
$$N_{\text{tot}} = 5.8M,\ N_{\text{init}} = 100,\ \rho = 0.4,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



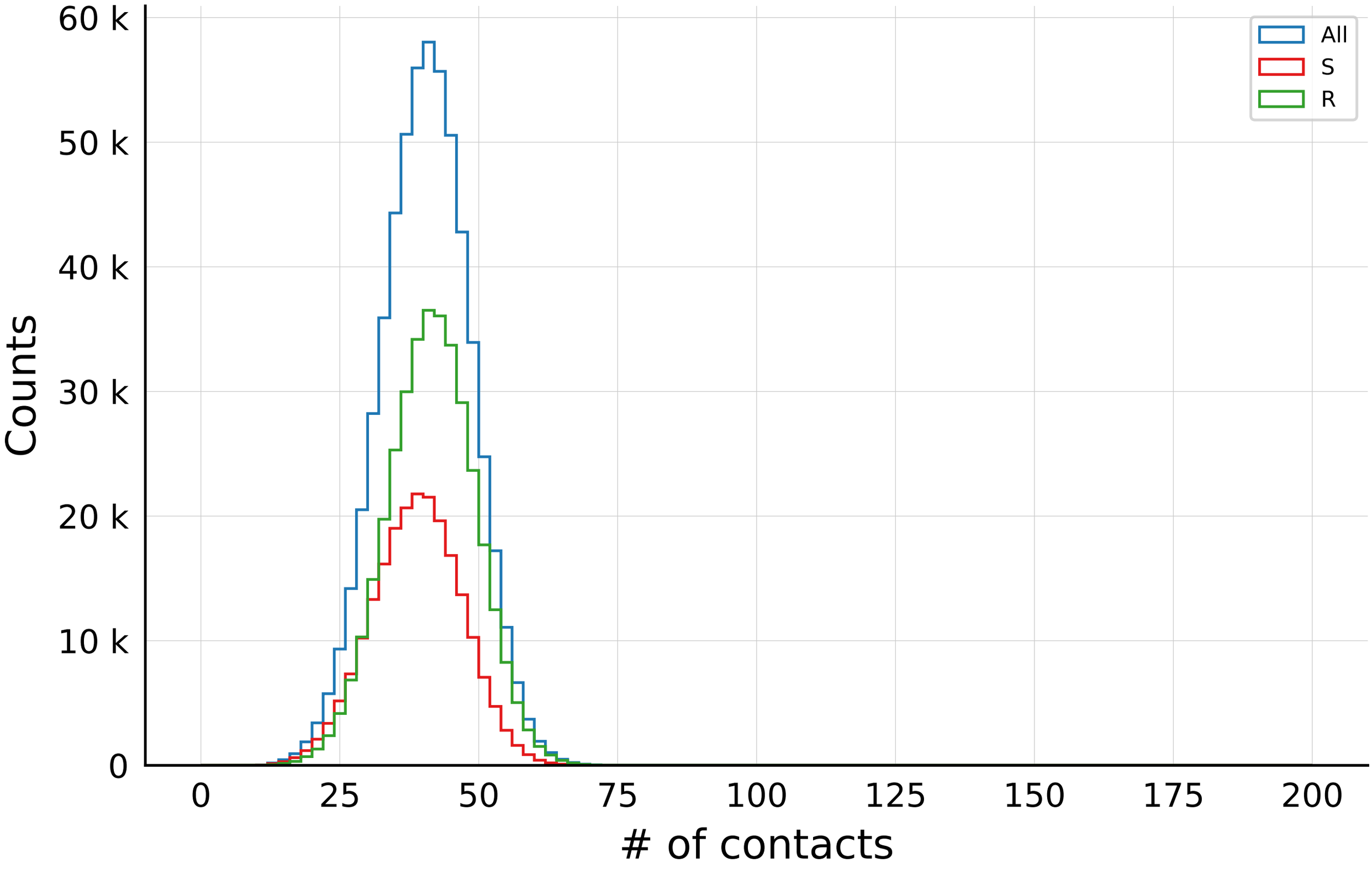
$N_{\text{tot}} = 5.8M,\ N_{\text{init}} = 100,\ \rho = 0.5,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$
$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$



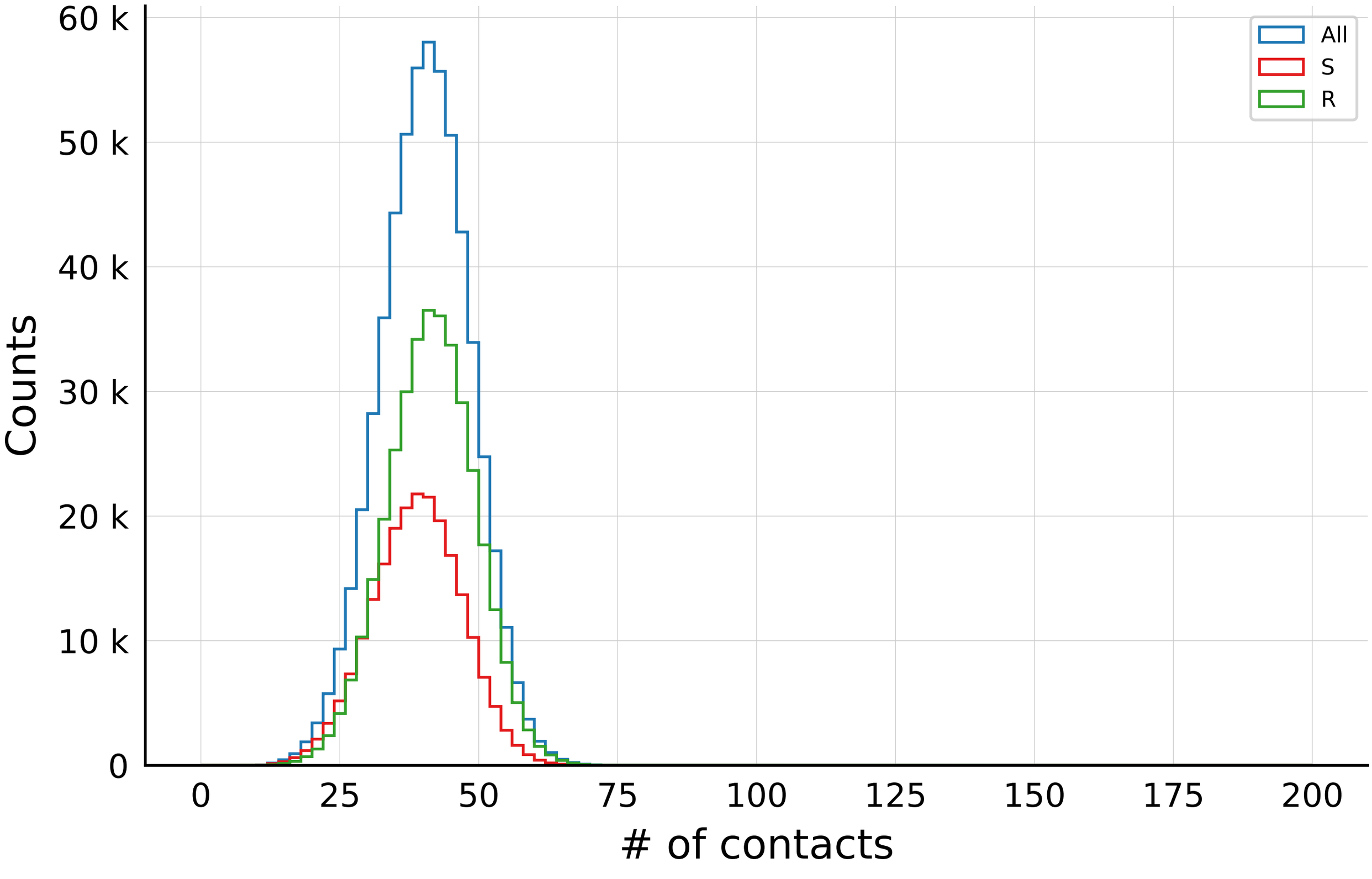
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 1K,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



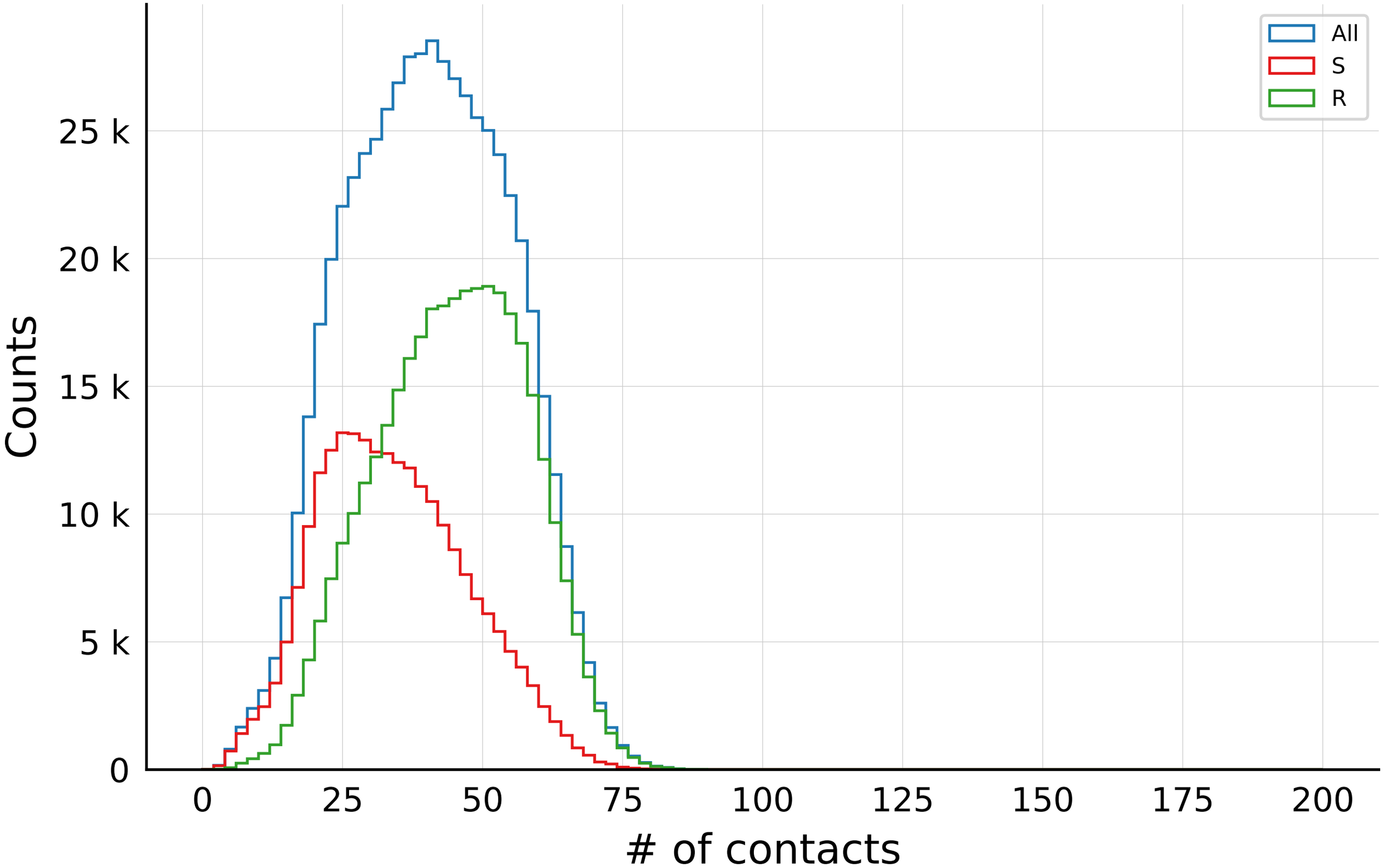
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.005,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.005,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



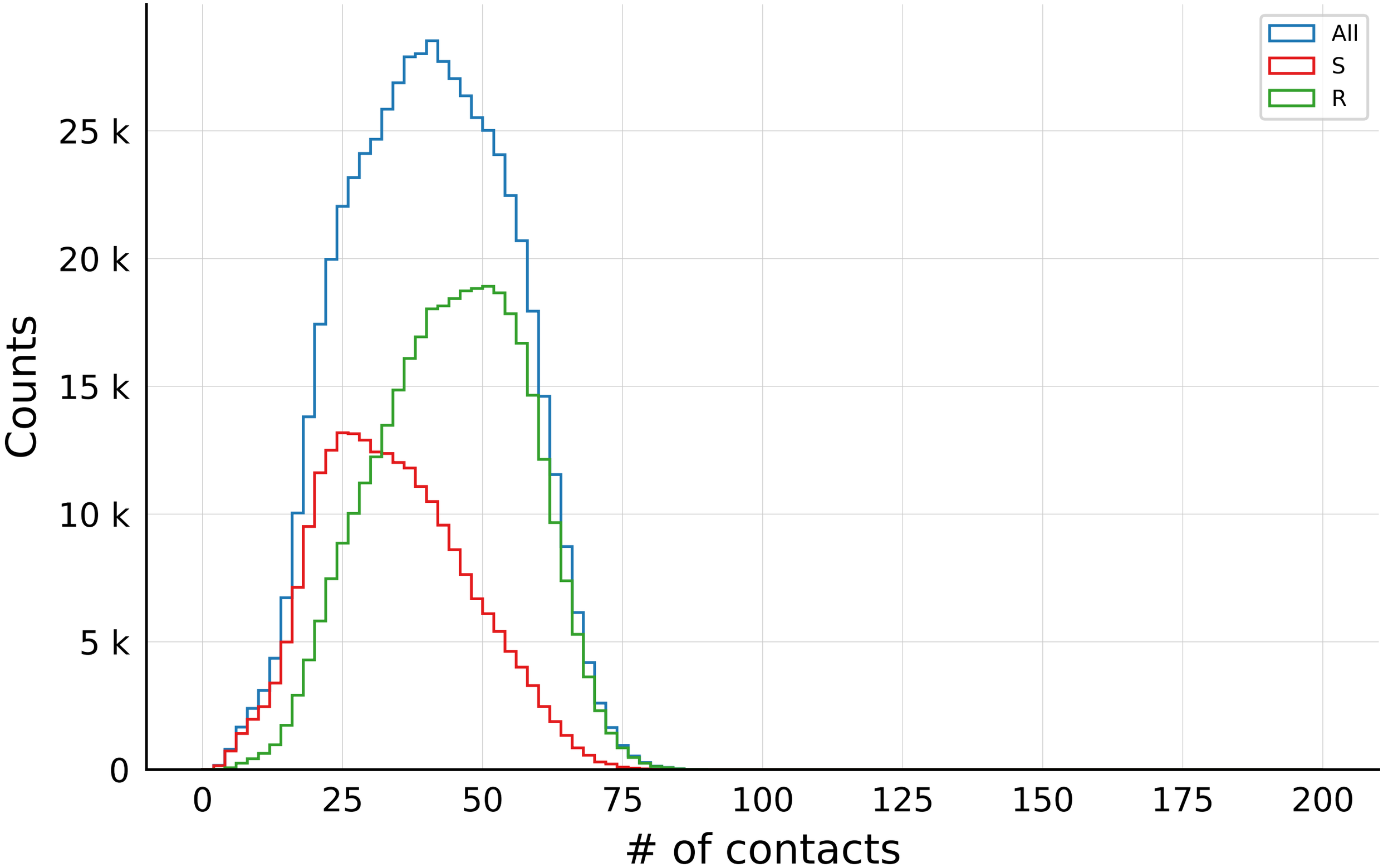
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.005,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



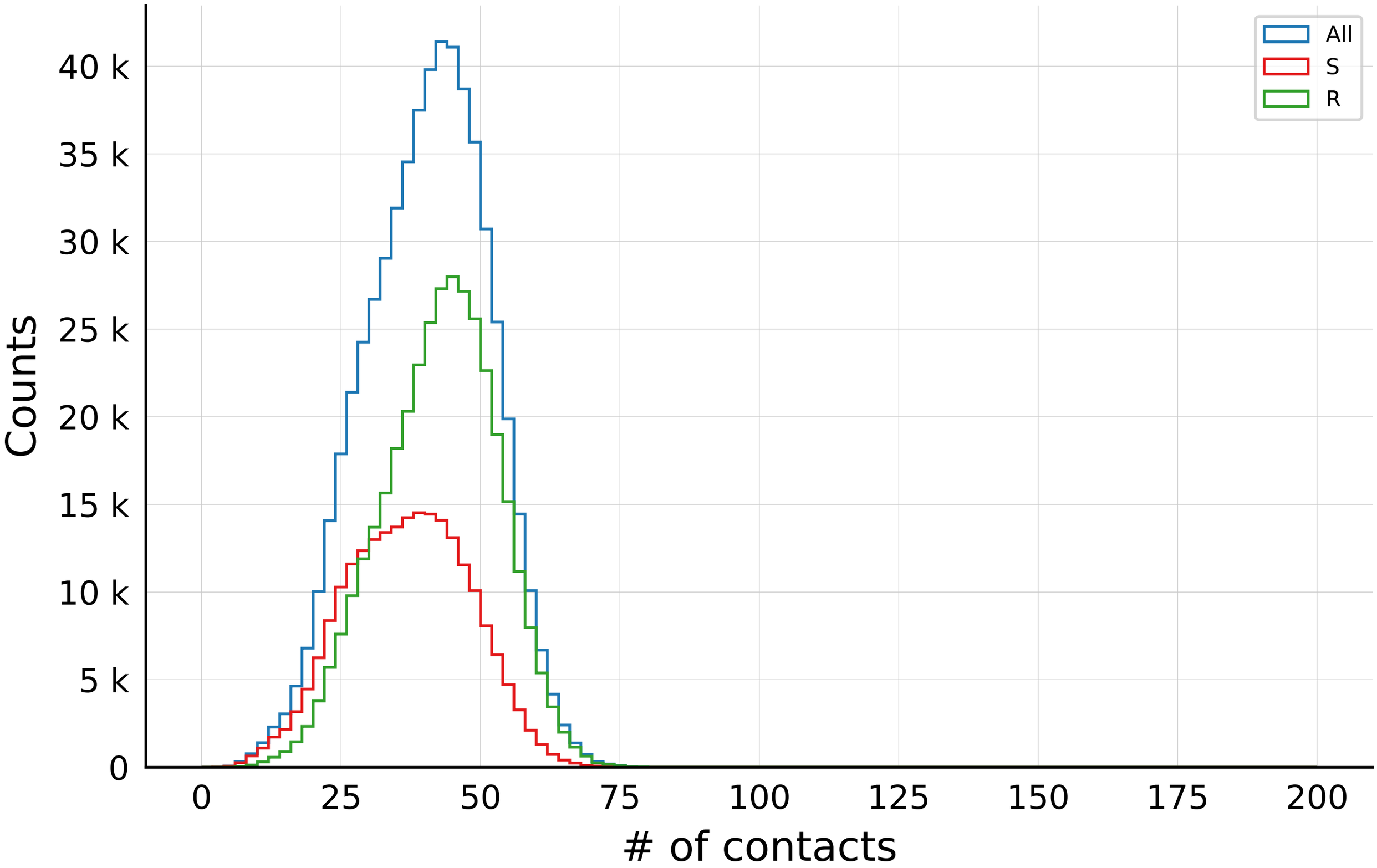
$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.015,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.005,\ \sigma_\beta = 0.0$
$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$



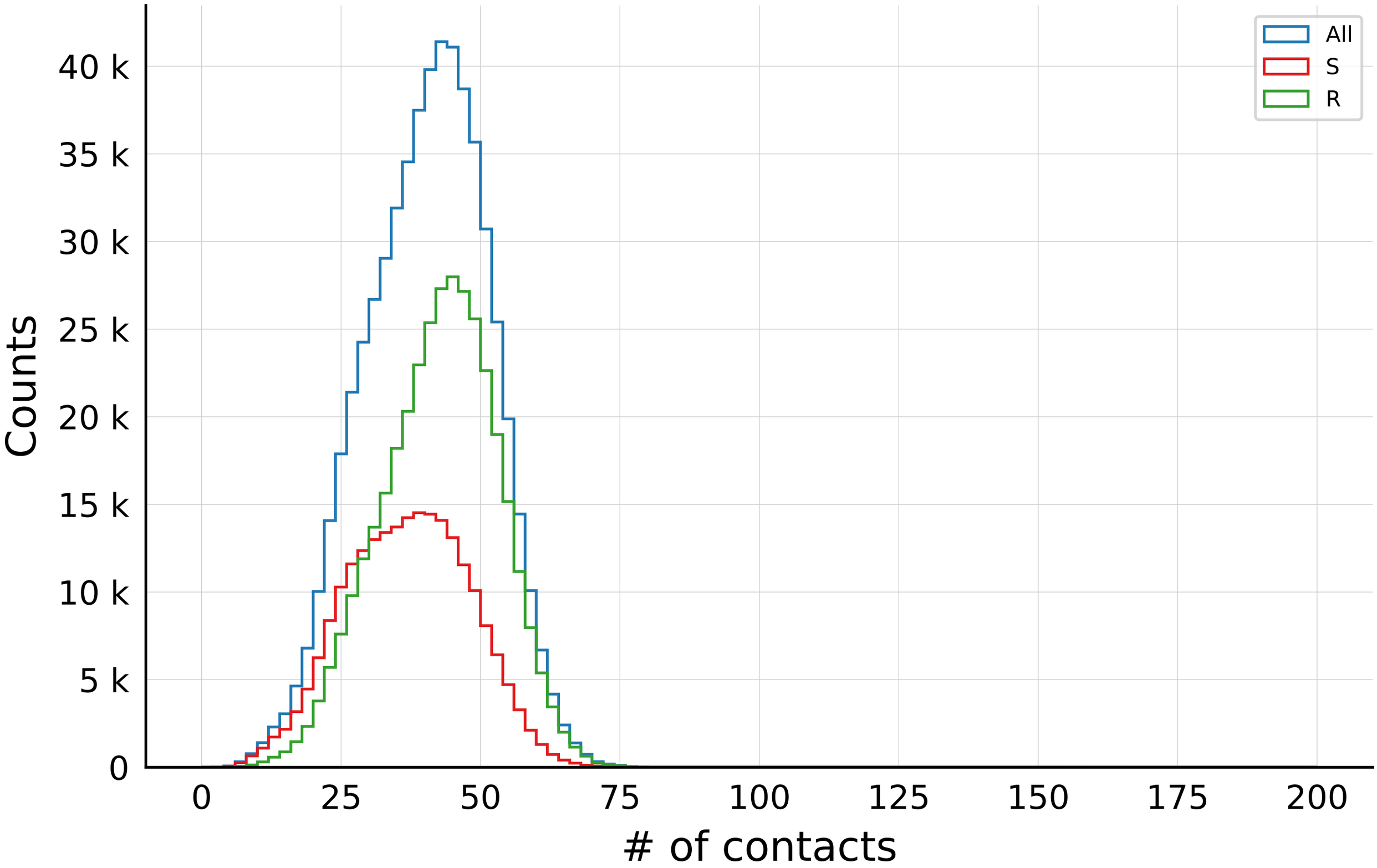
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.015,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



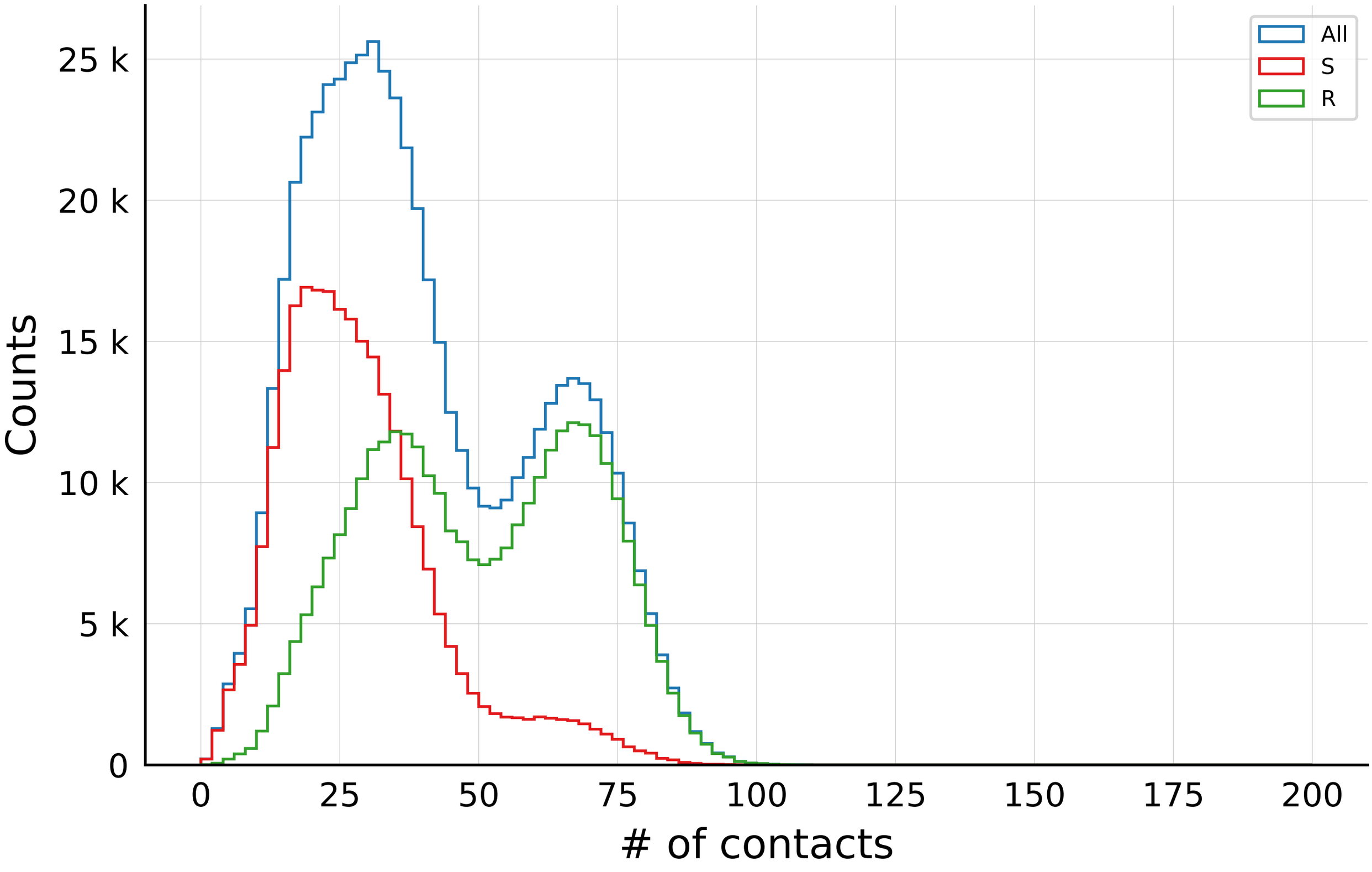
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.01,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.005,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



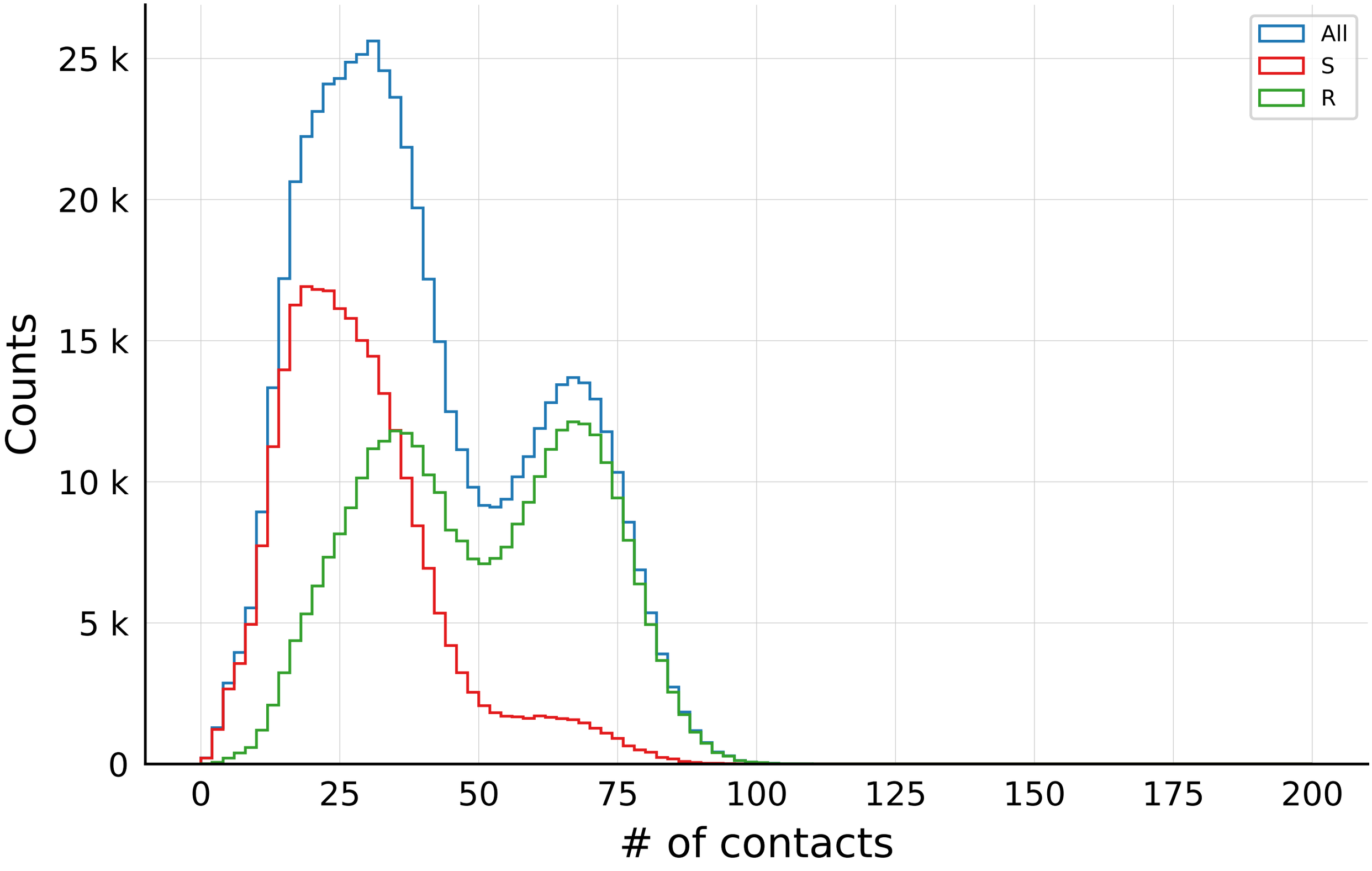
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.01,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



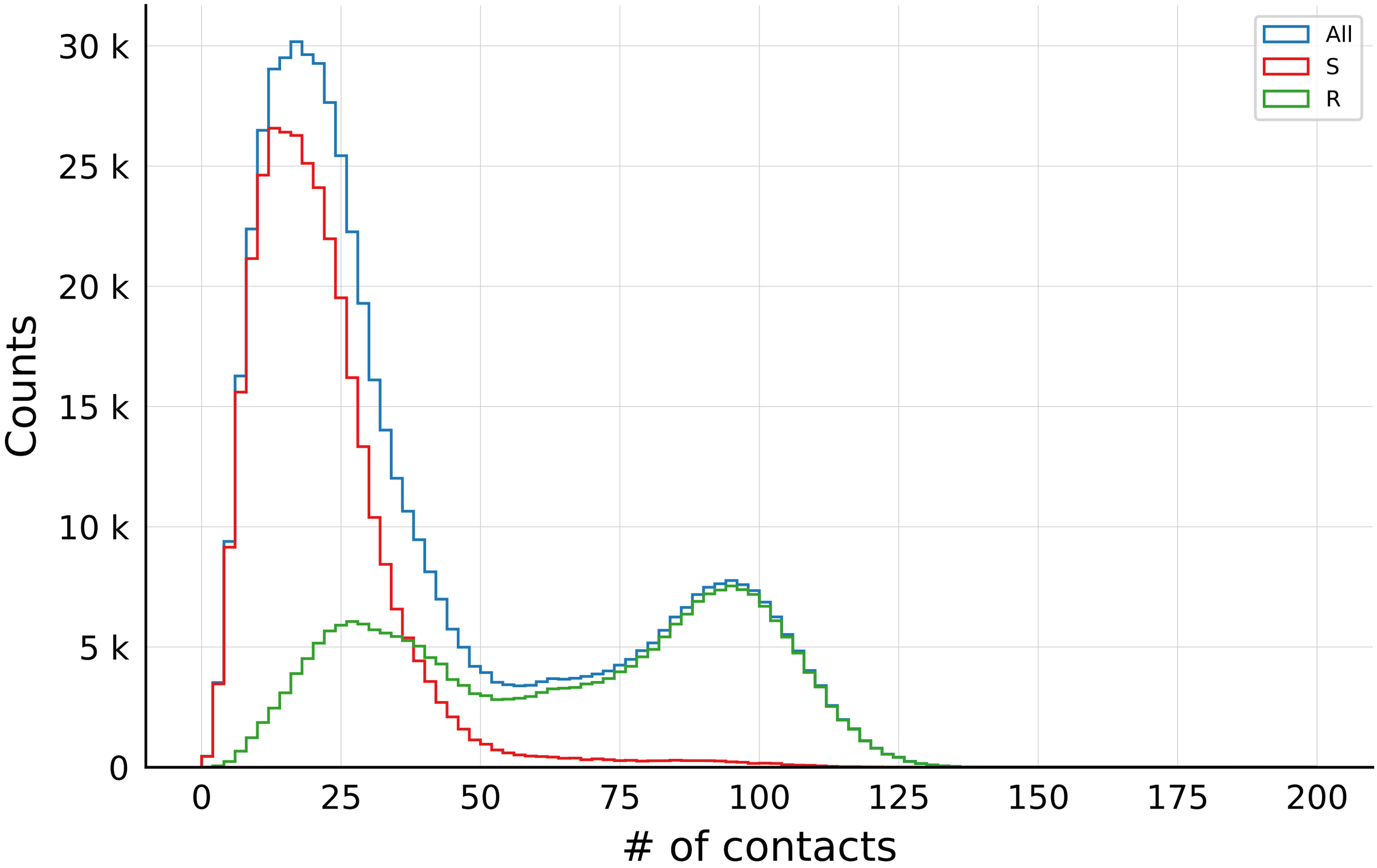
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.025,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.005,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



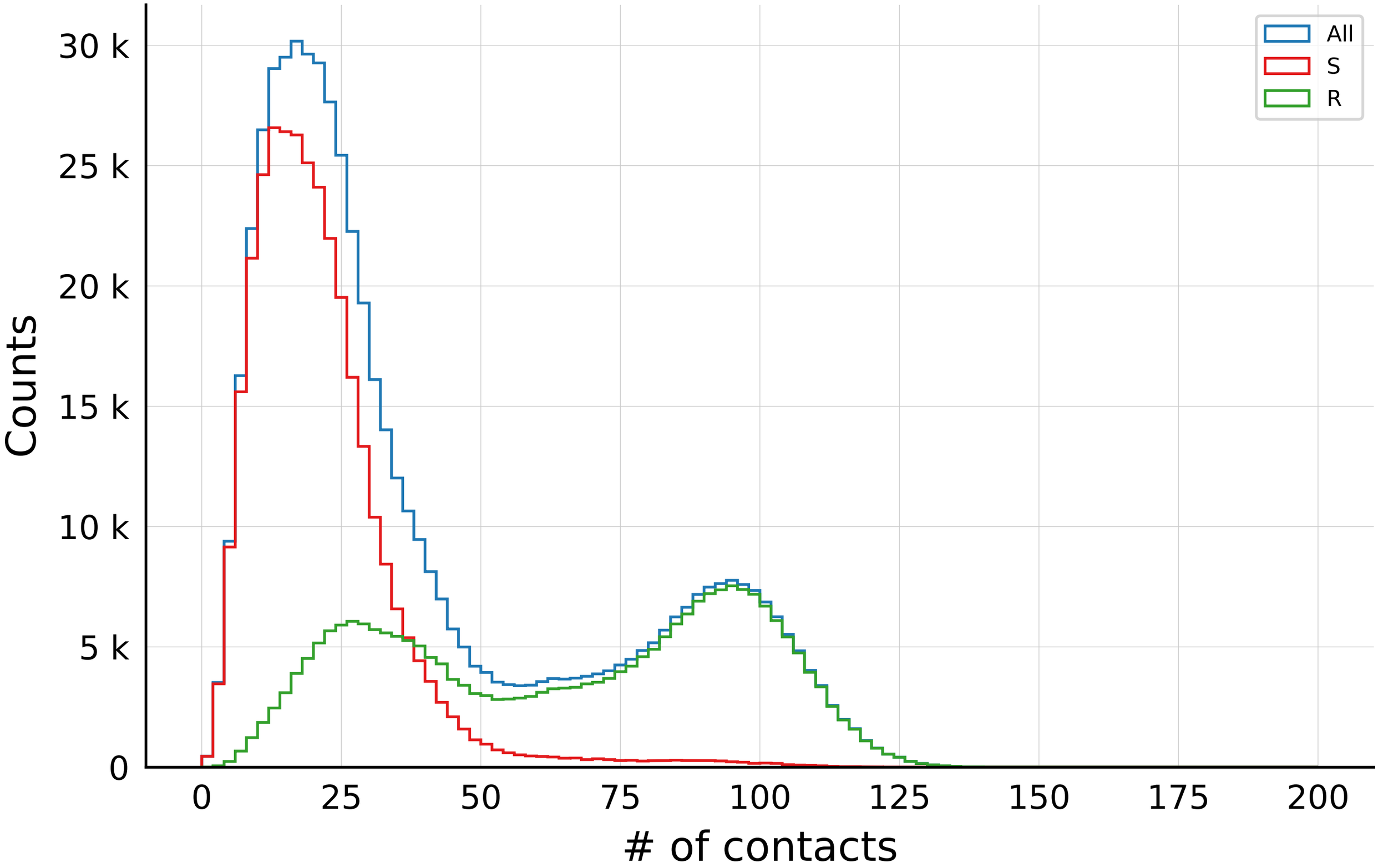
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.025,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



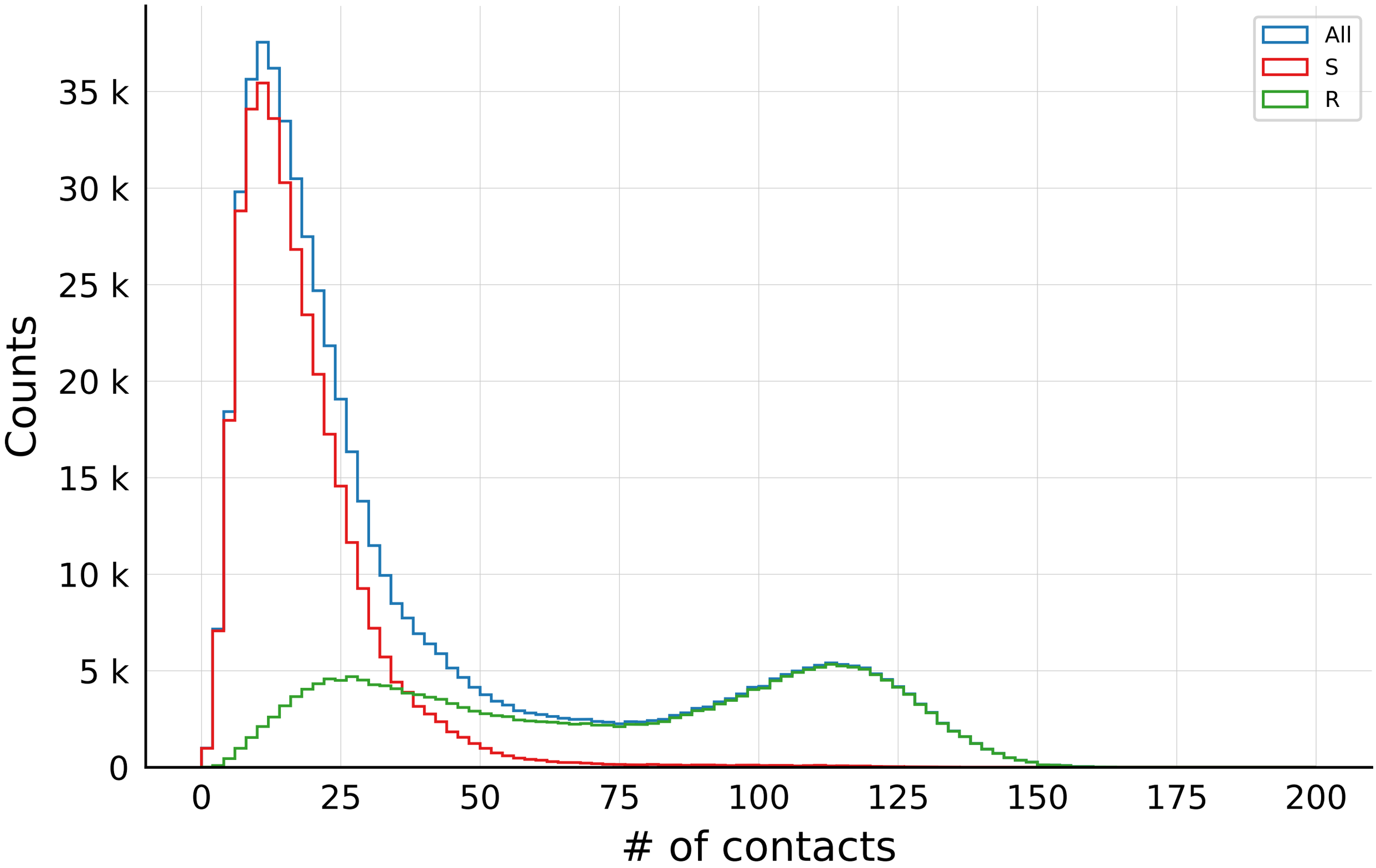
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.05,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.005,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



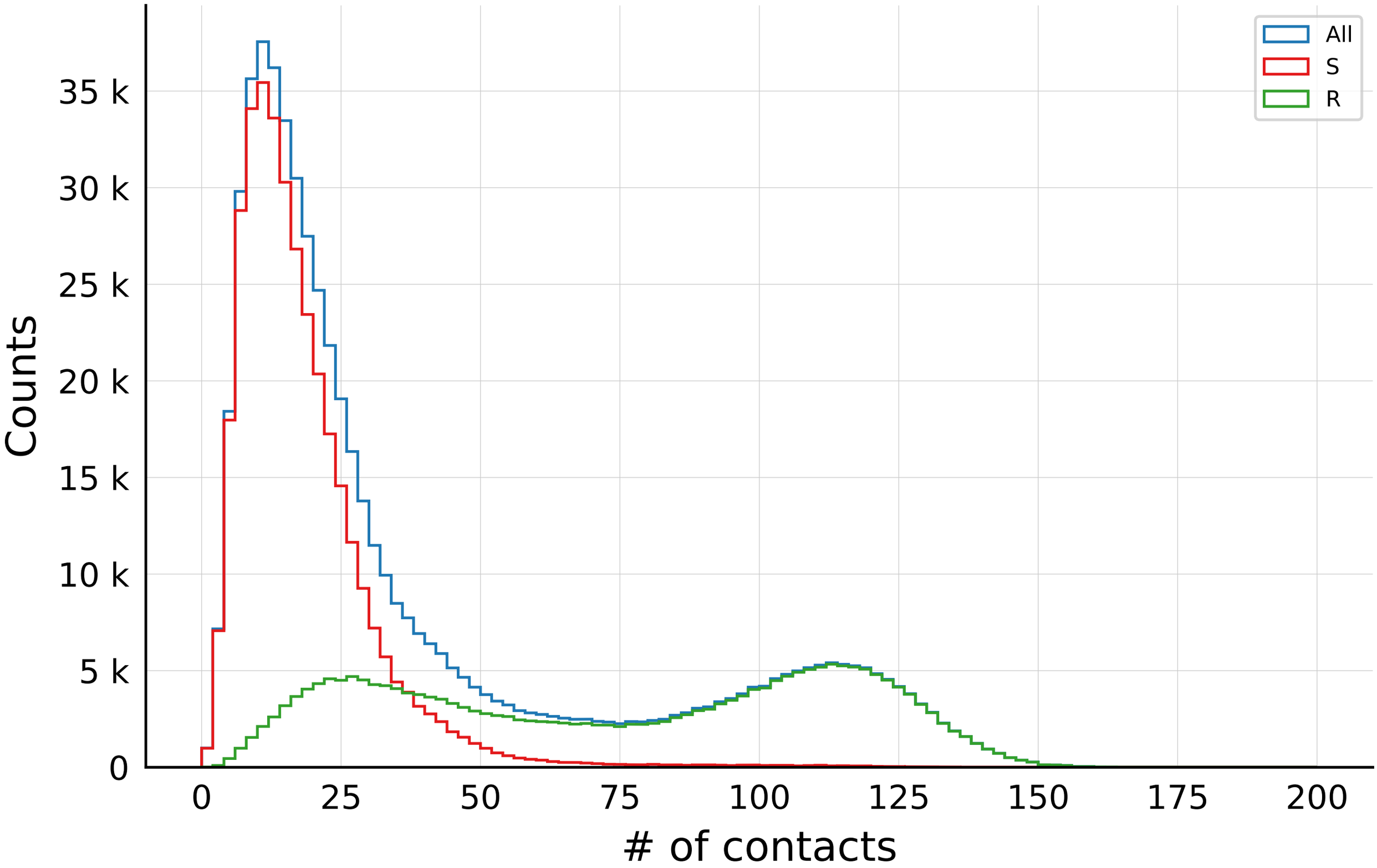
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.05,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



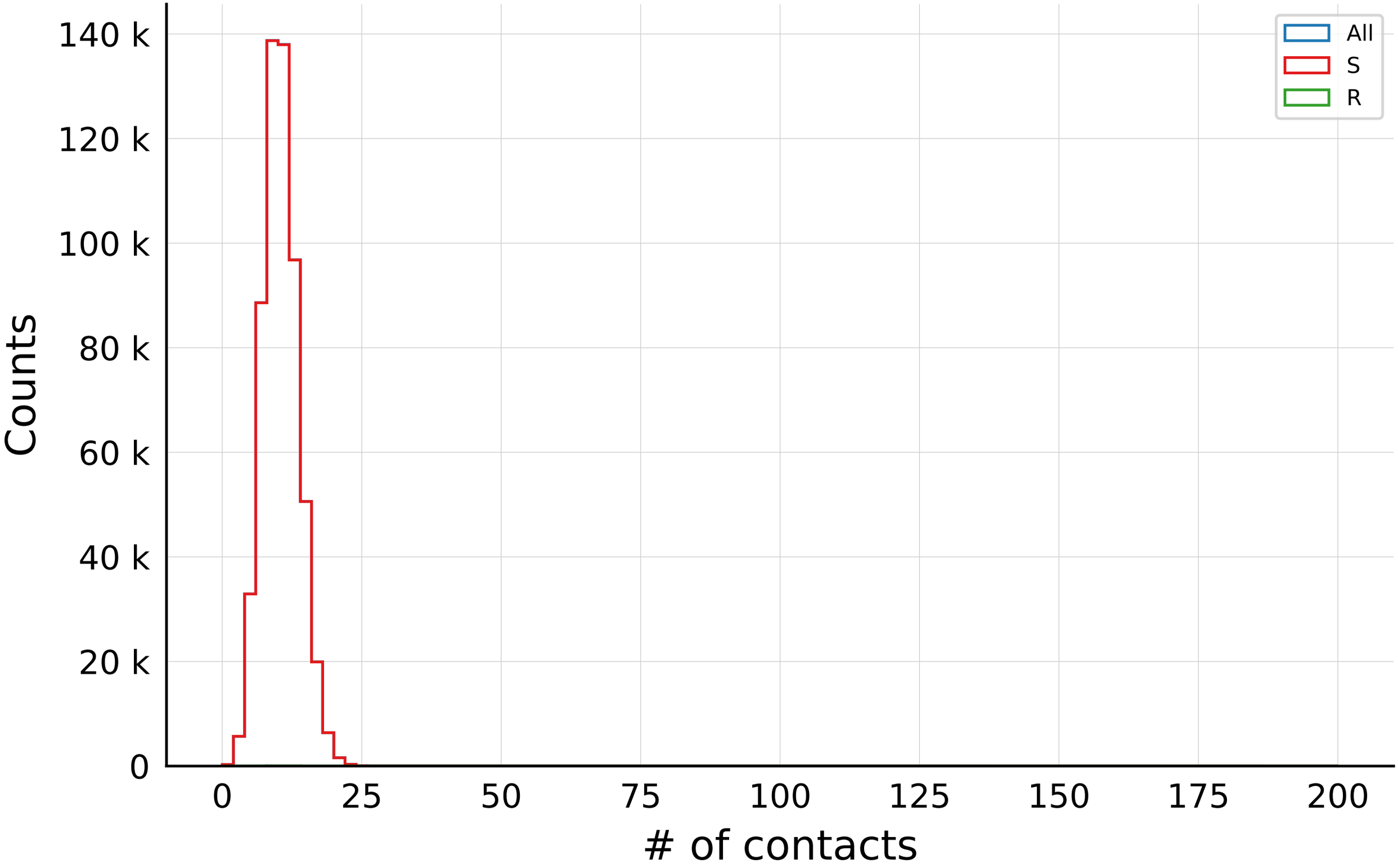
$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.075,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.005,\ \sigma_\beta = 0.0$
$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$



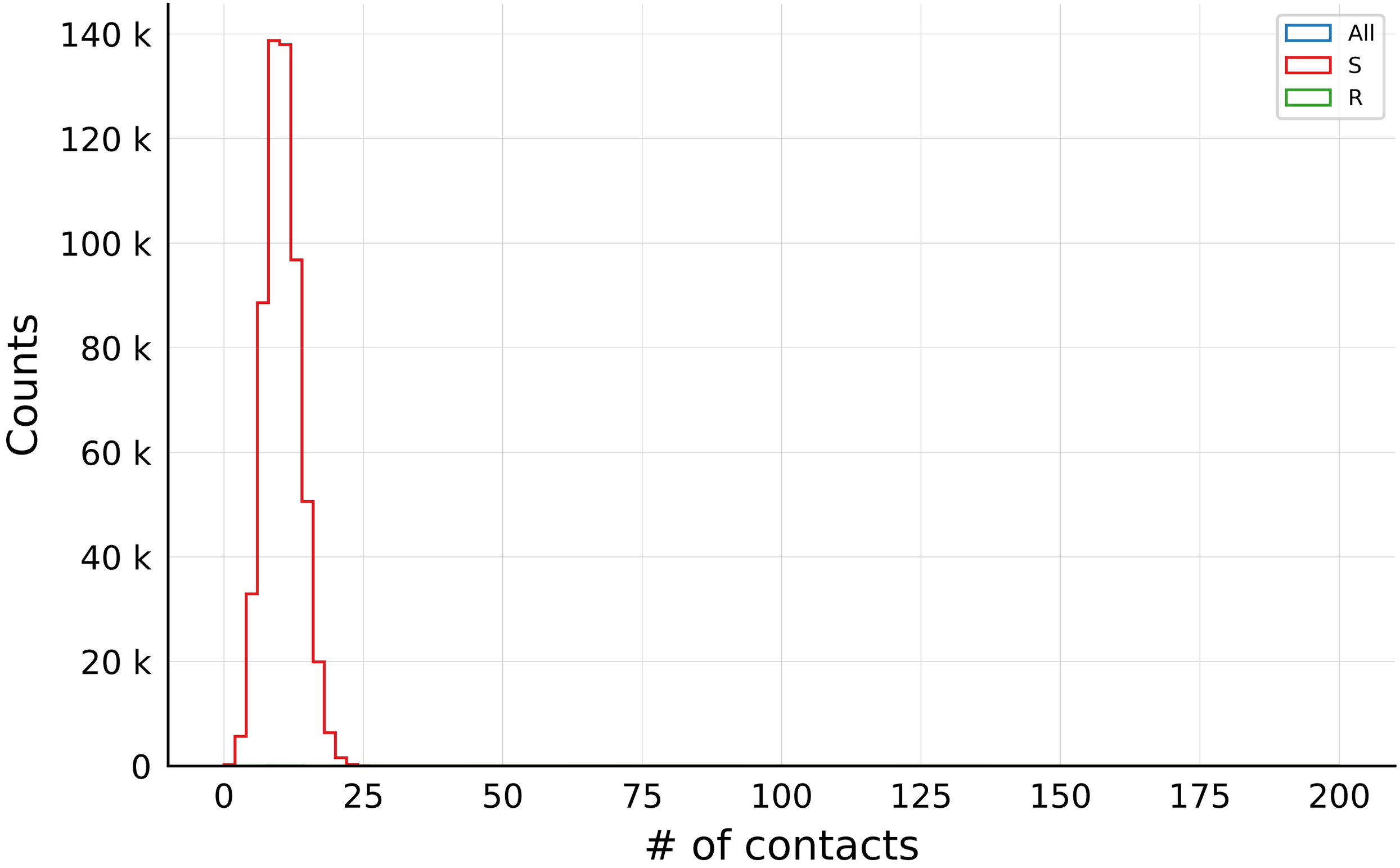
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.075,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



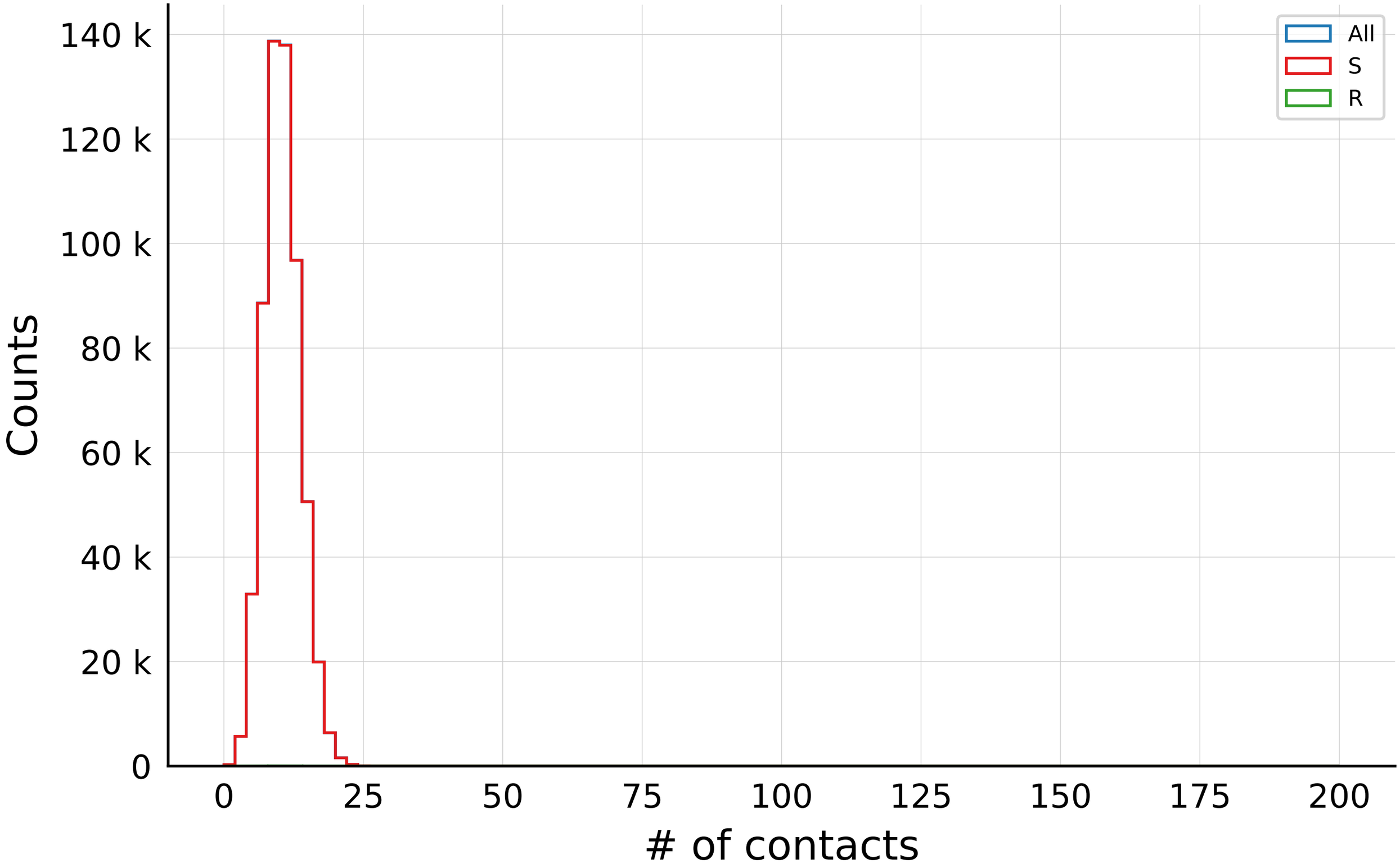
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 10.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



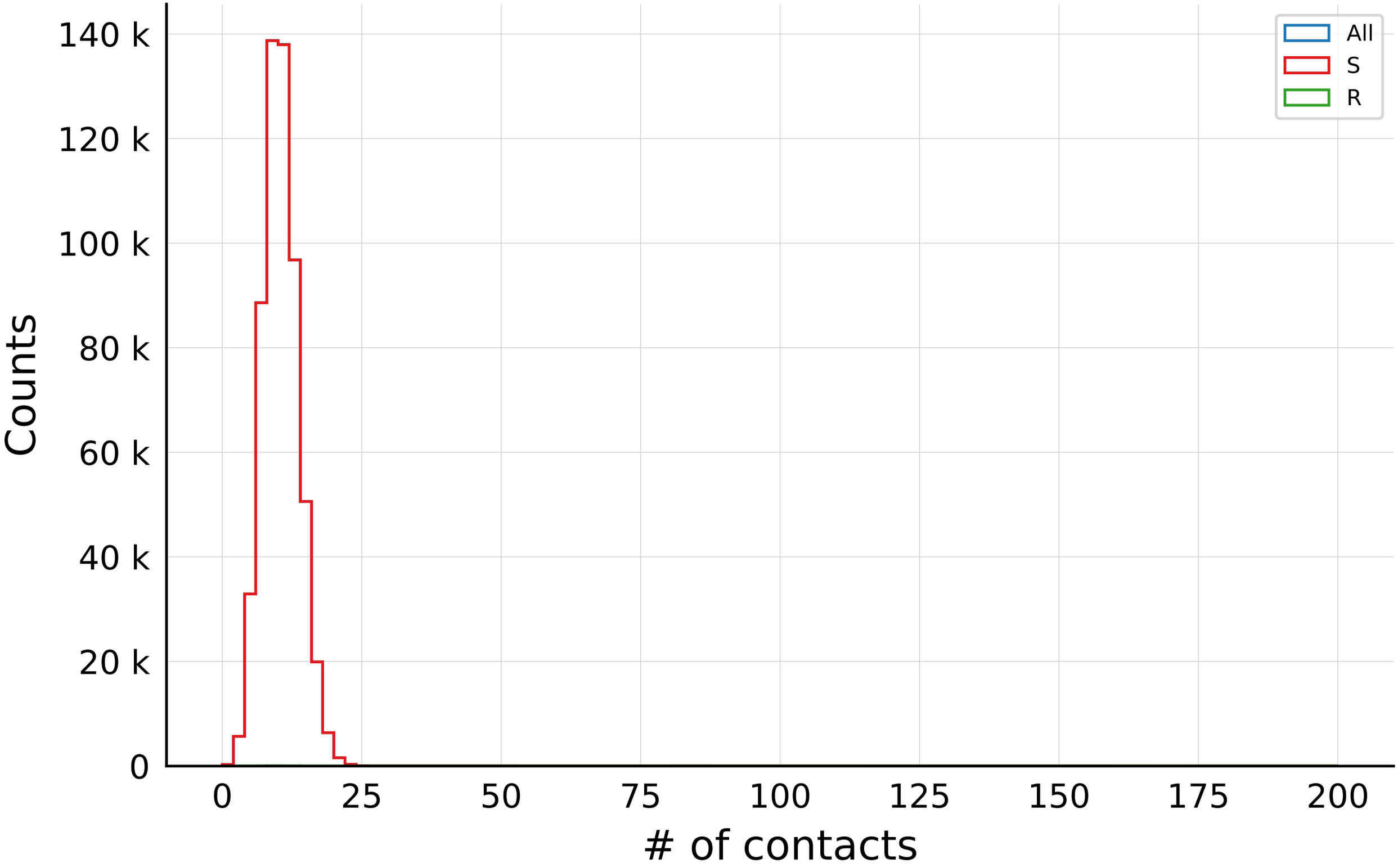
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 10.0,\ \sigma_\mu = 0.0,\ \beta = 0.02,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



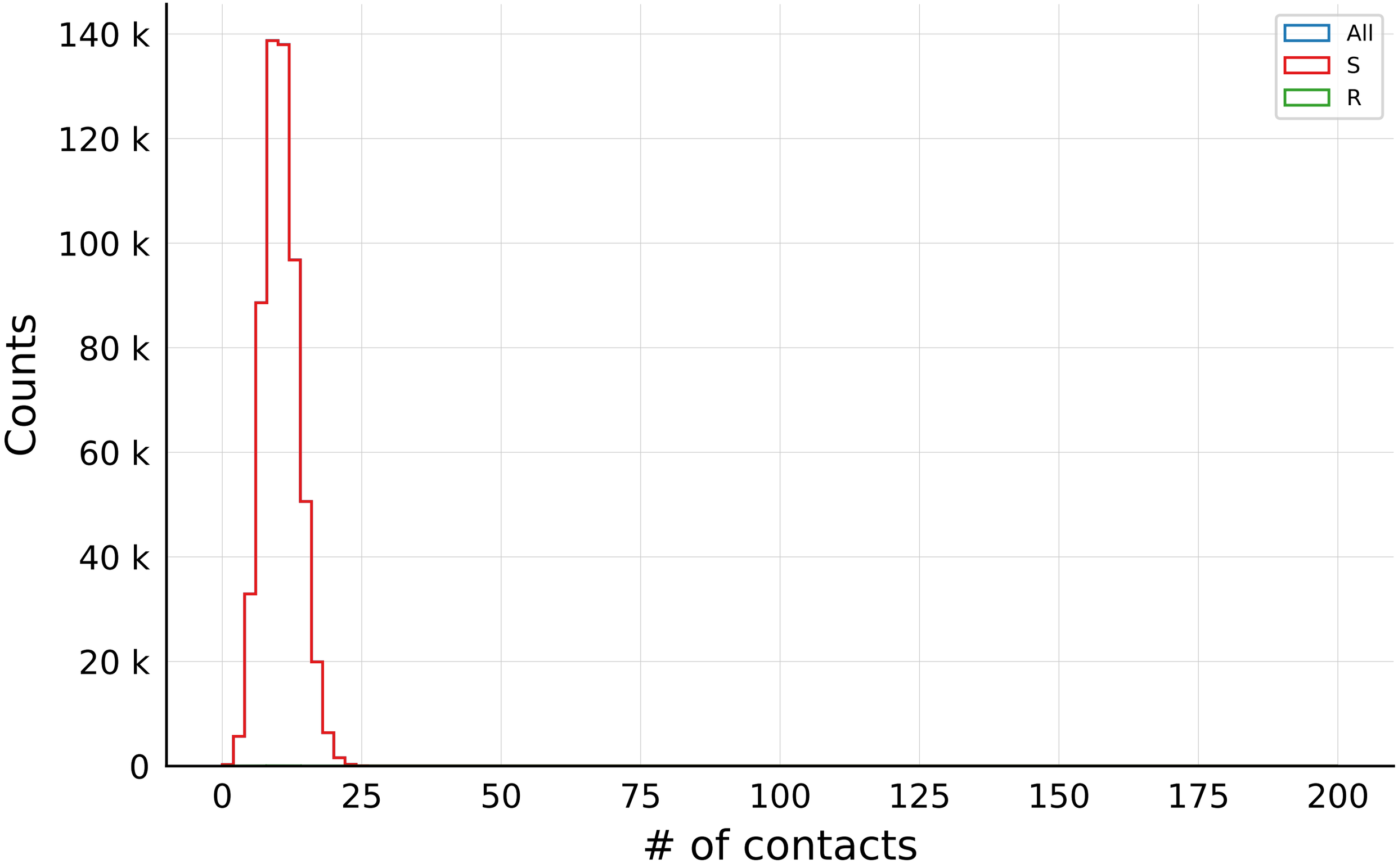
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 10.0,\ \sigma_\mu = 0.0,\ \beta = 0.02,\ \sigma_\beta = 1.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



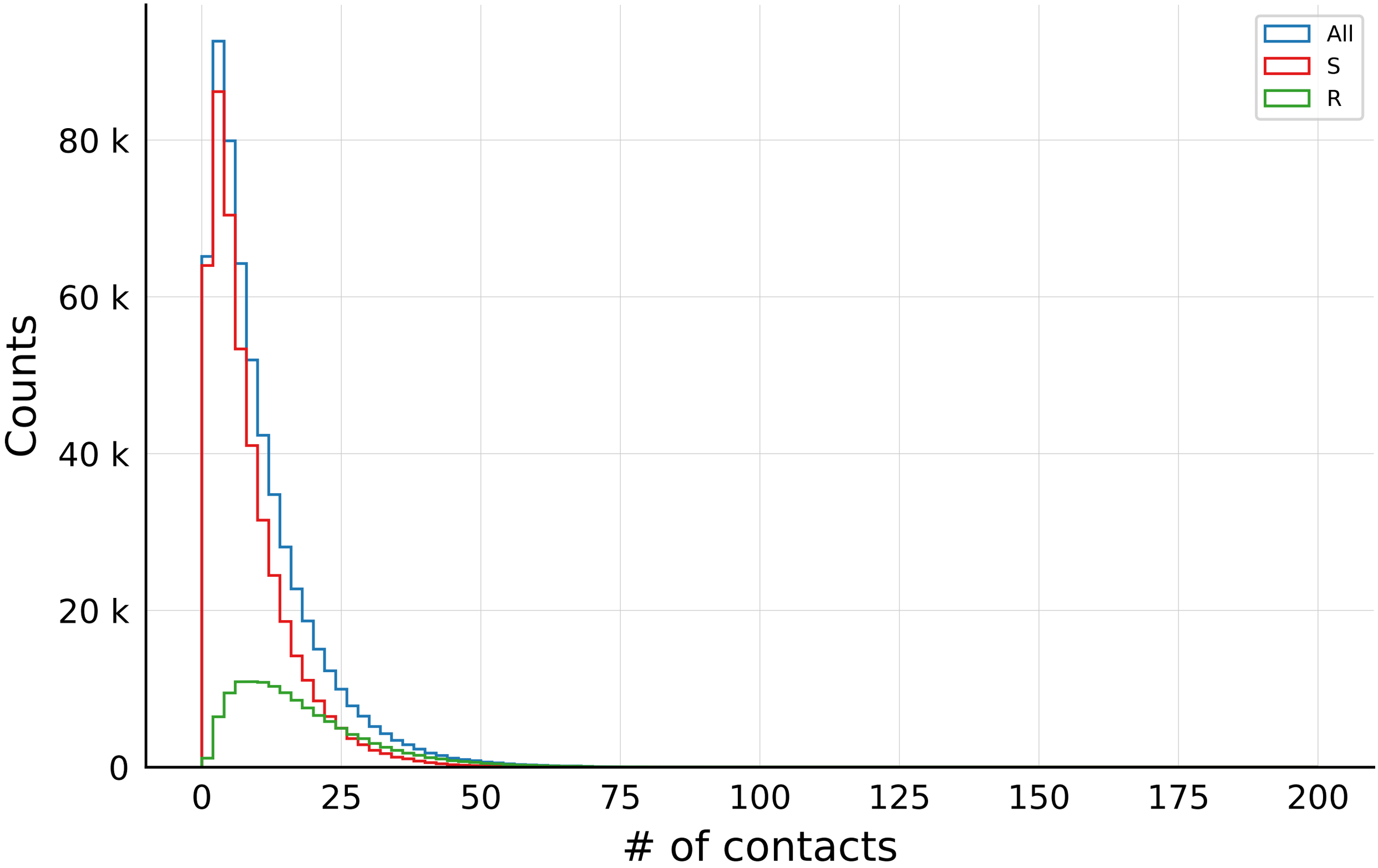
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 10.0,\ \sigma_\mu = 0.0,\ \beta = 0.04,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



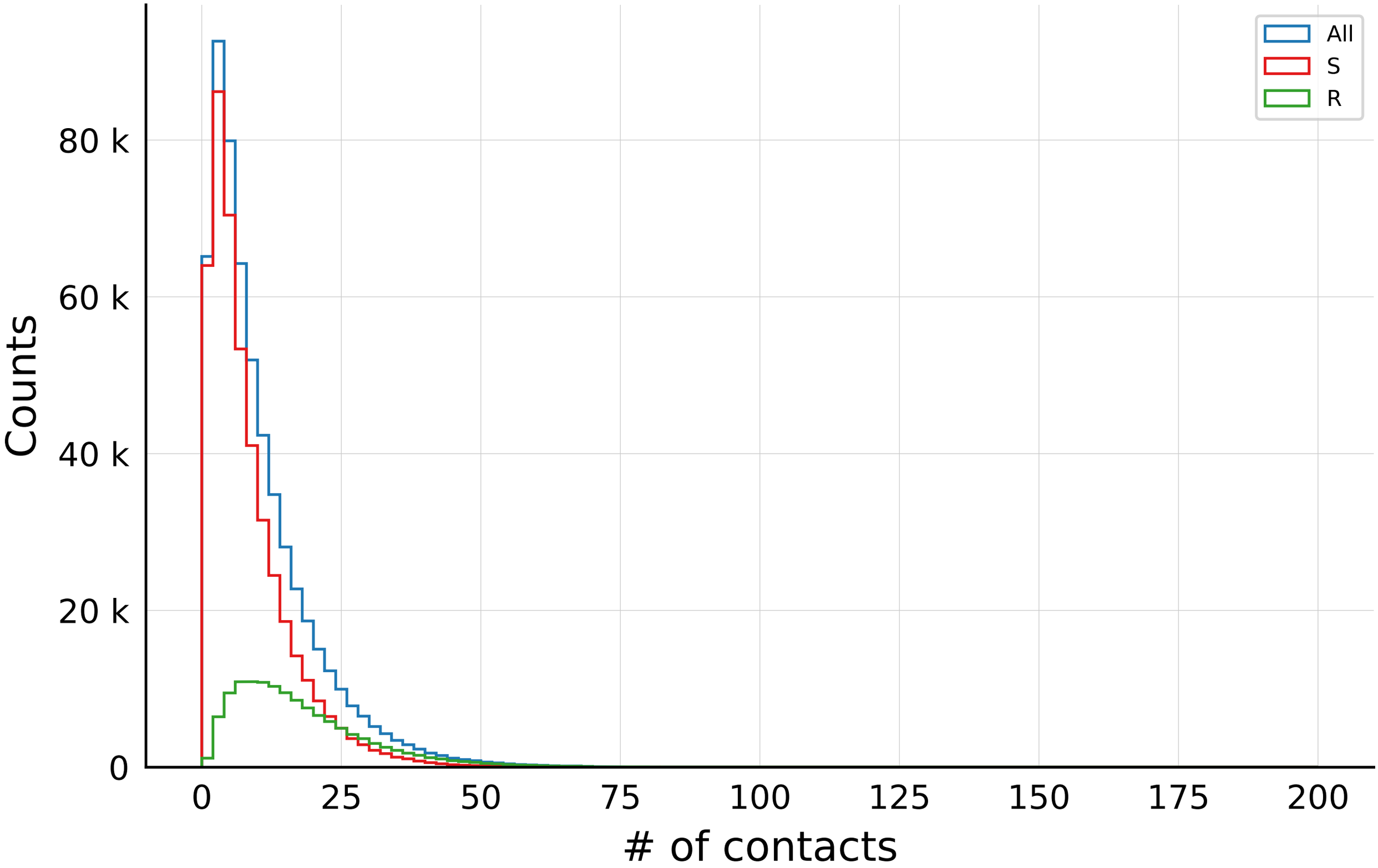
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 10.0,\ \sigma_\mu = 0.0,\ \beta = 0.04,\ \sigma_\beta = 1.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



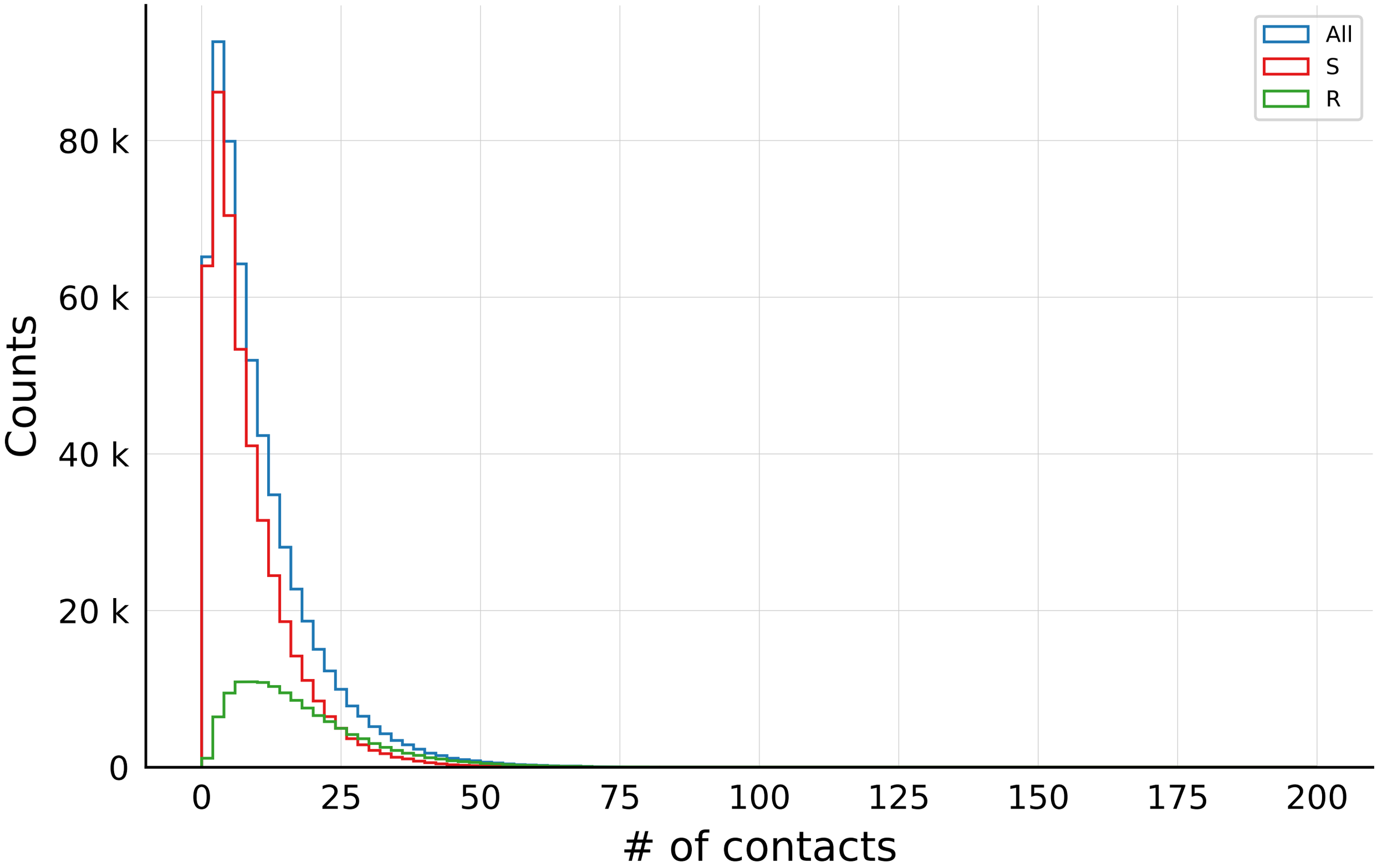
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 10.0,\ \sigma_\mu = 1.0,\ \beta = 0.02,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



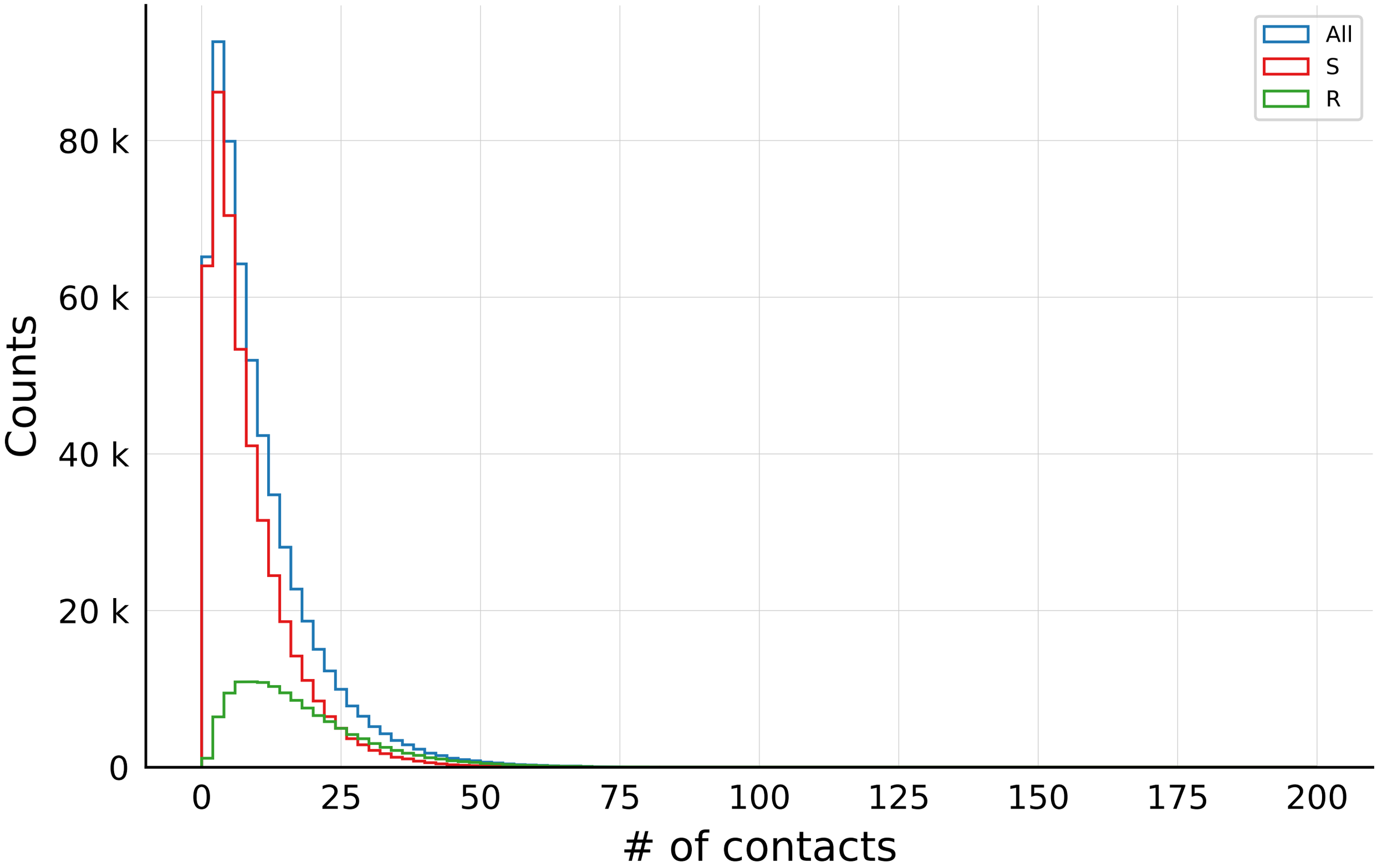
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 10.0,\ \sigma_\mu = 1.0,\ \beta = 0.02,\ \sigma_\beta = 1.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



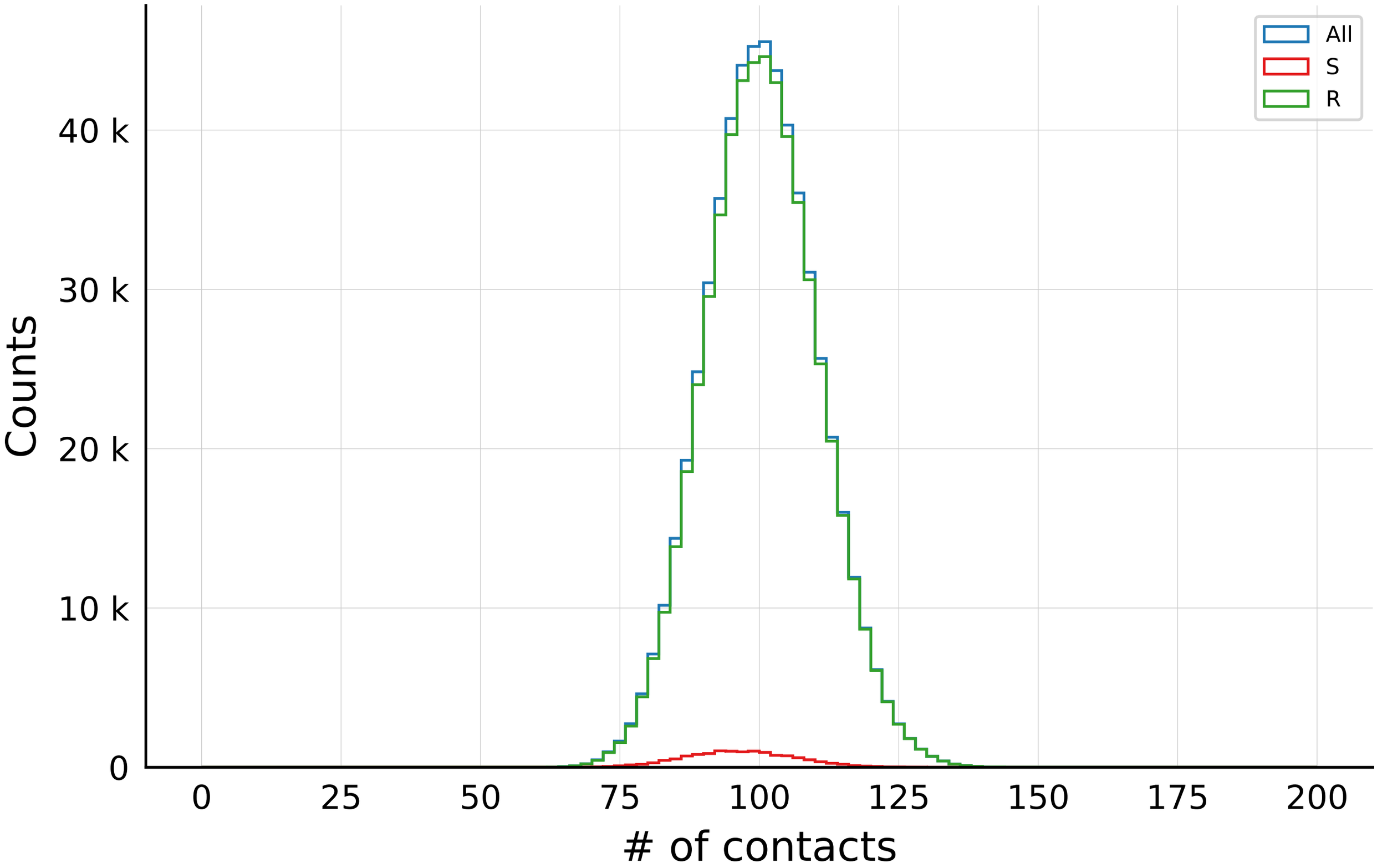
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 10.0,\ \sigma_\mu = 1.0,\ \beta = 0.04,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



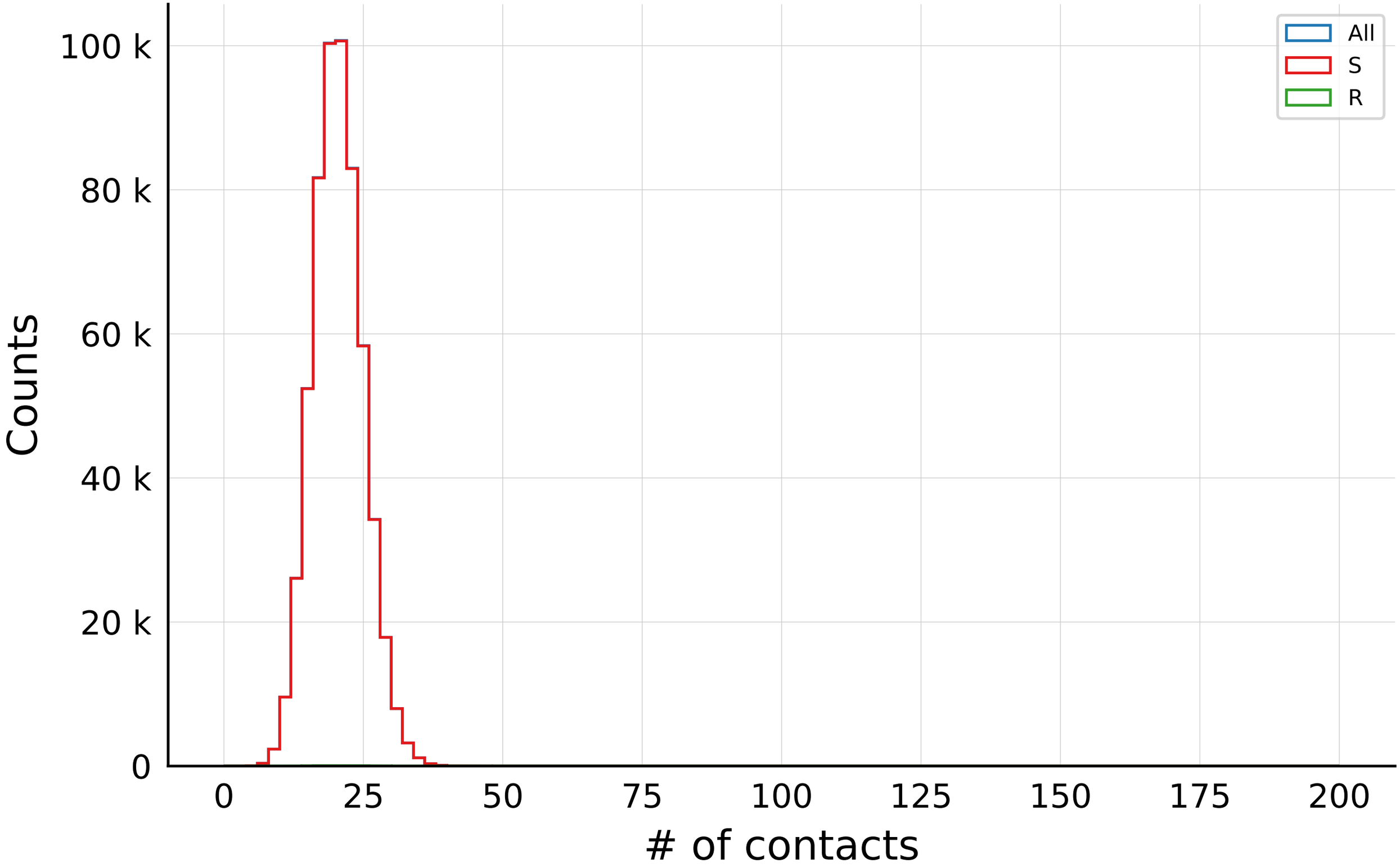
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 10.0,\ \sigma_\mu = 1.0,\ \beta = 0.04,\ \sigma_\beta = 1.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



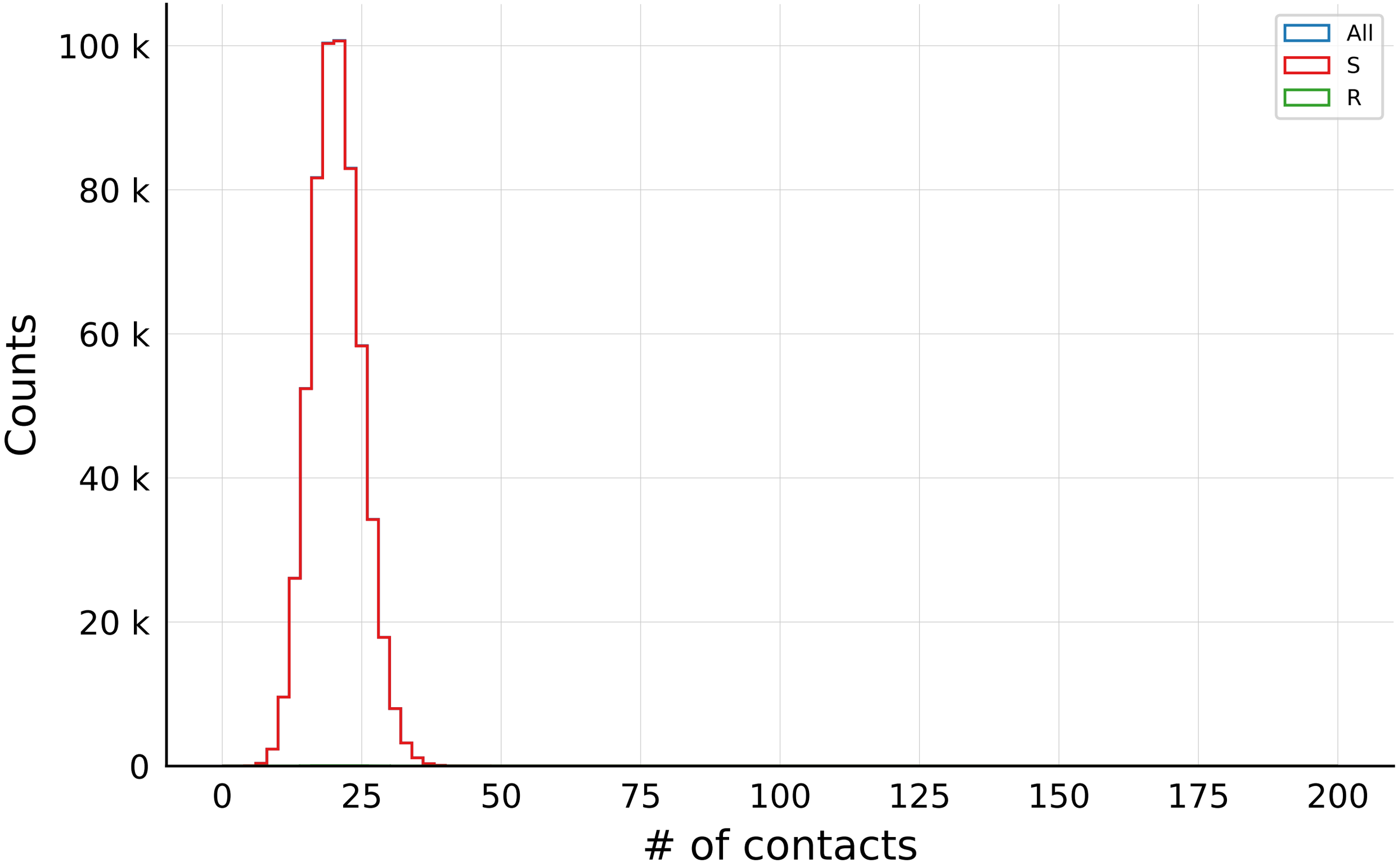
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 100.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



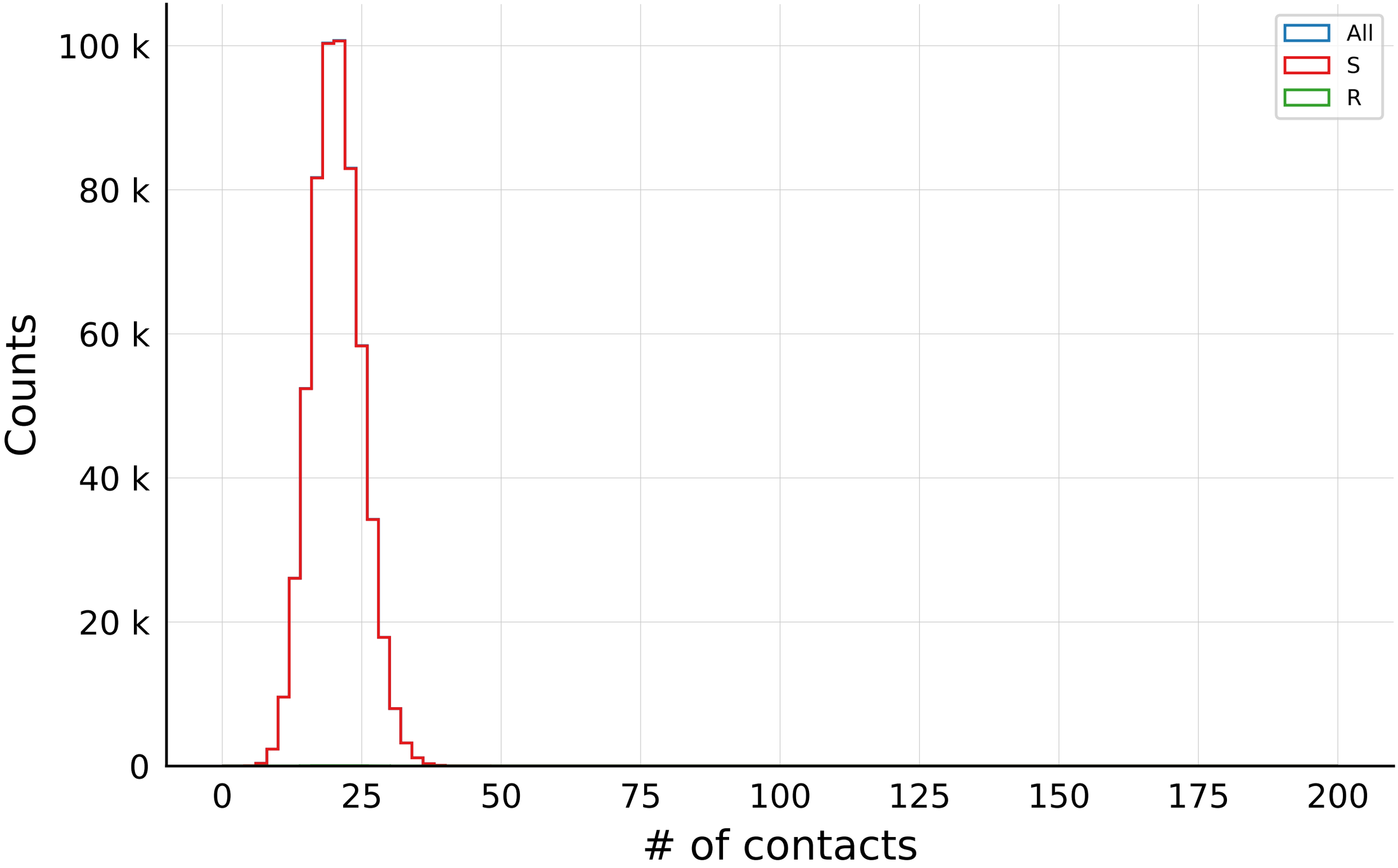
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 20.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



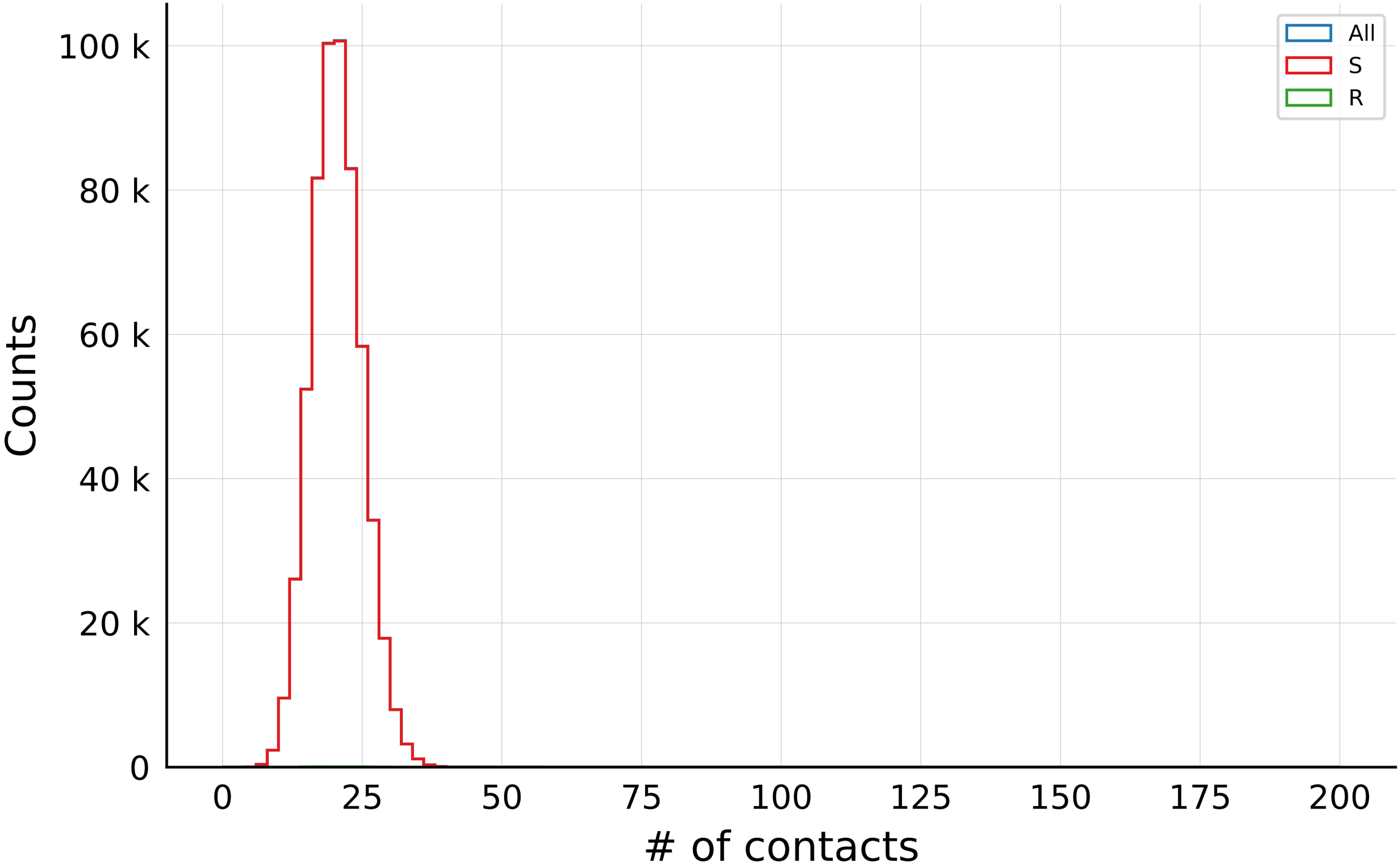
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 20.0,\ \sigma_\mu = 0.0,\ \beta = 0.02,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



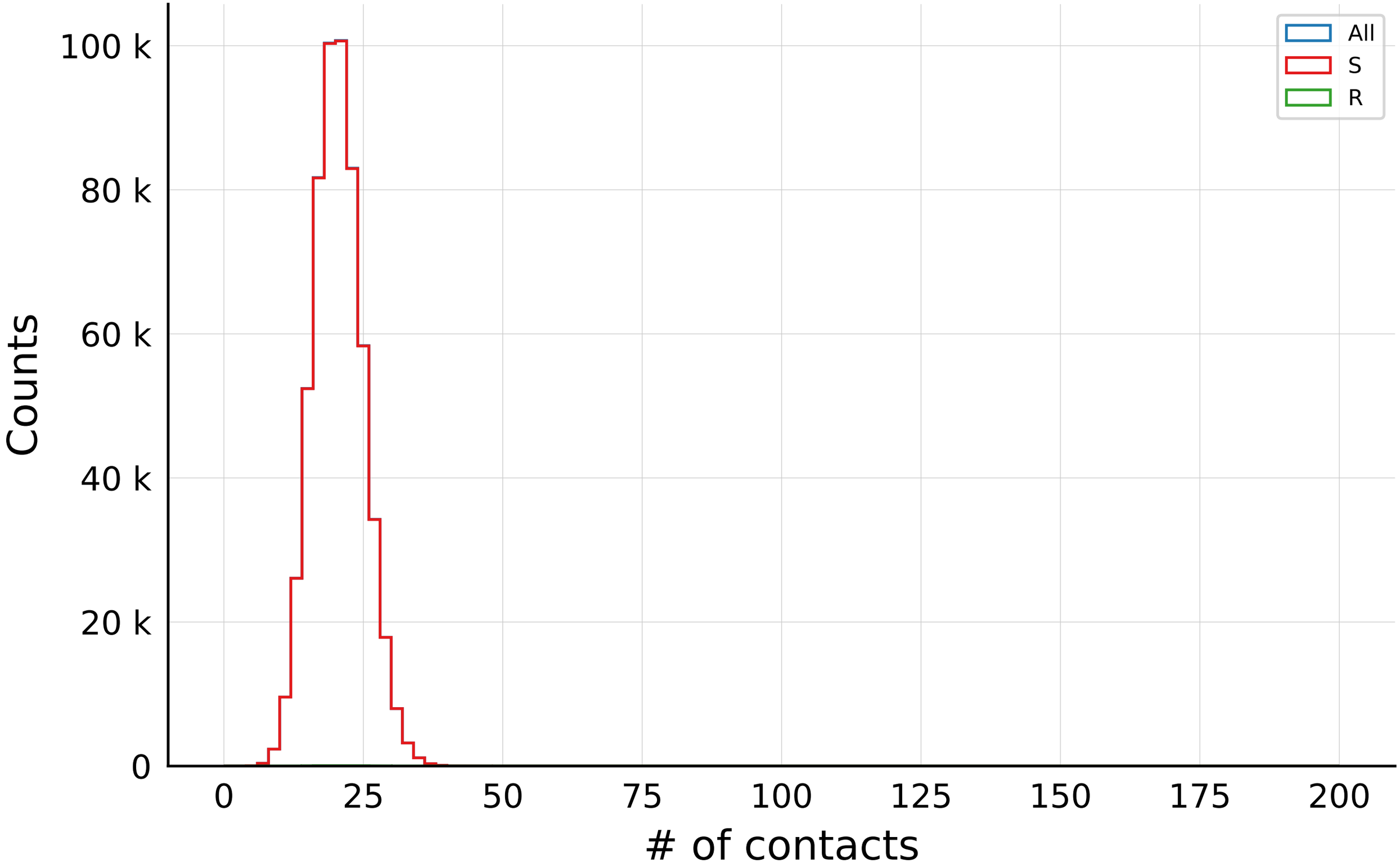
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 20.0,\ \sigma_\mu = 0.0,\ \beta = 0.02,\ \sigma_\beta = 1.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



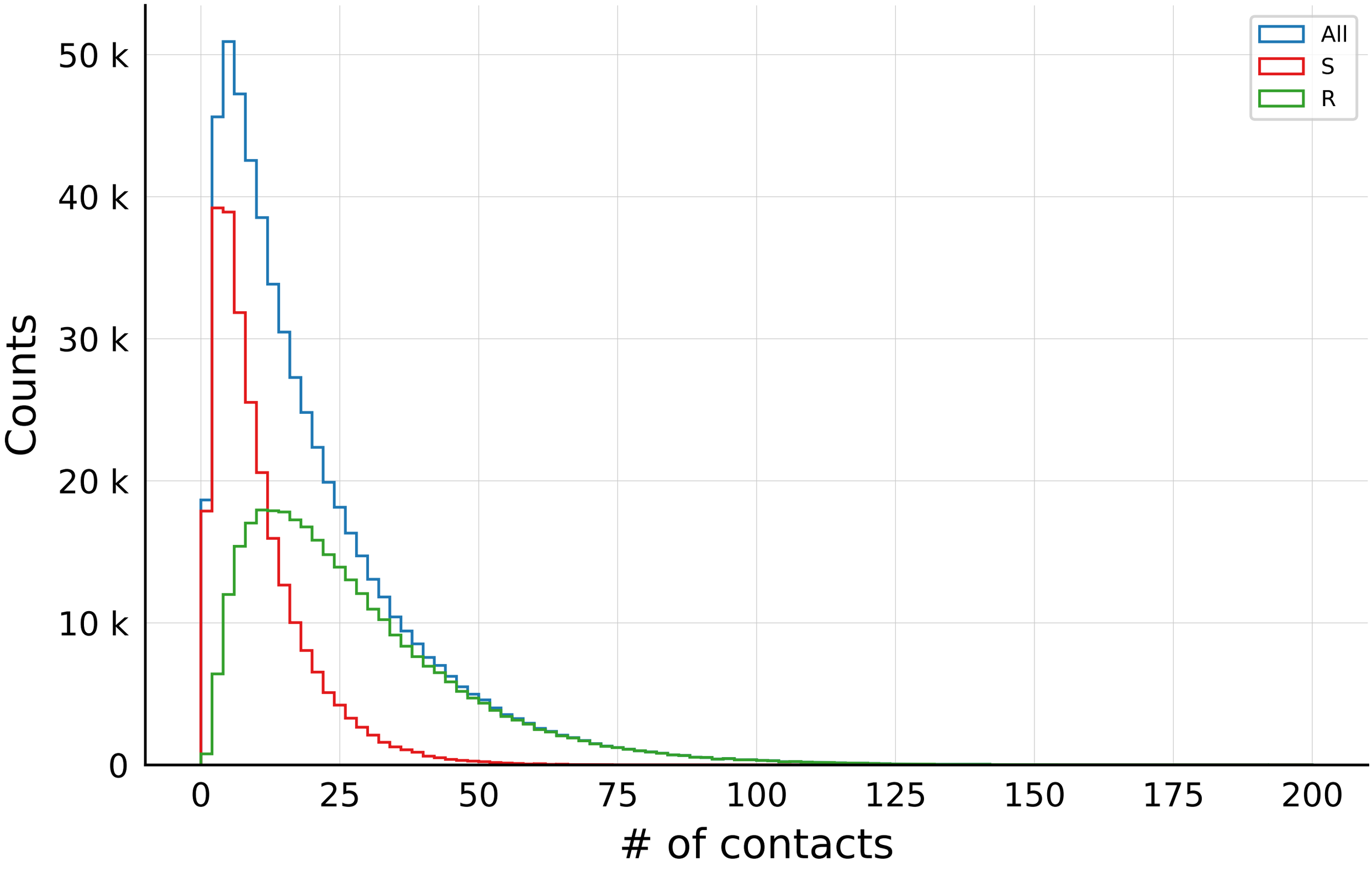
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 20.0,\ \sigma_\mu = 0.0,\ \beta = 0.04,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



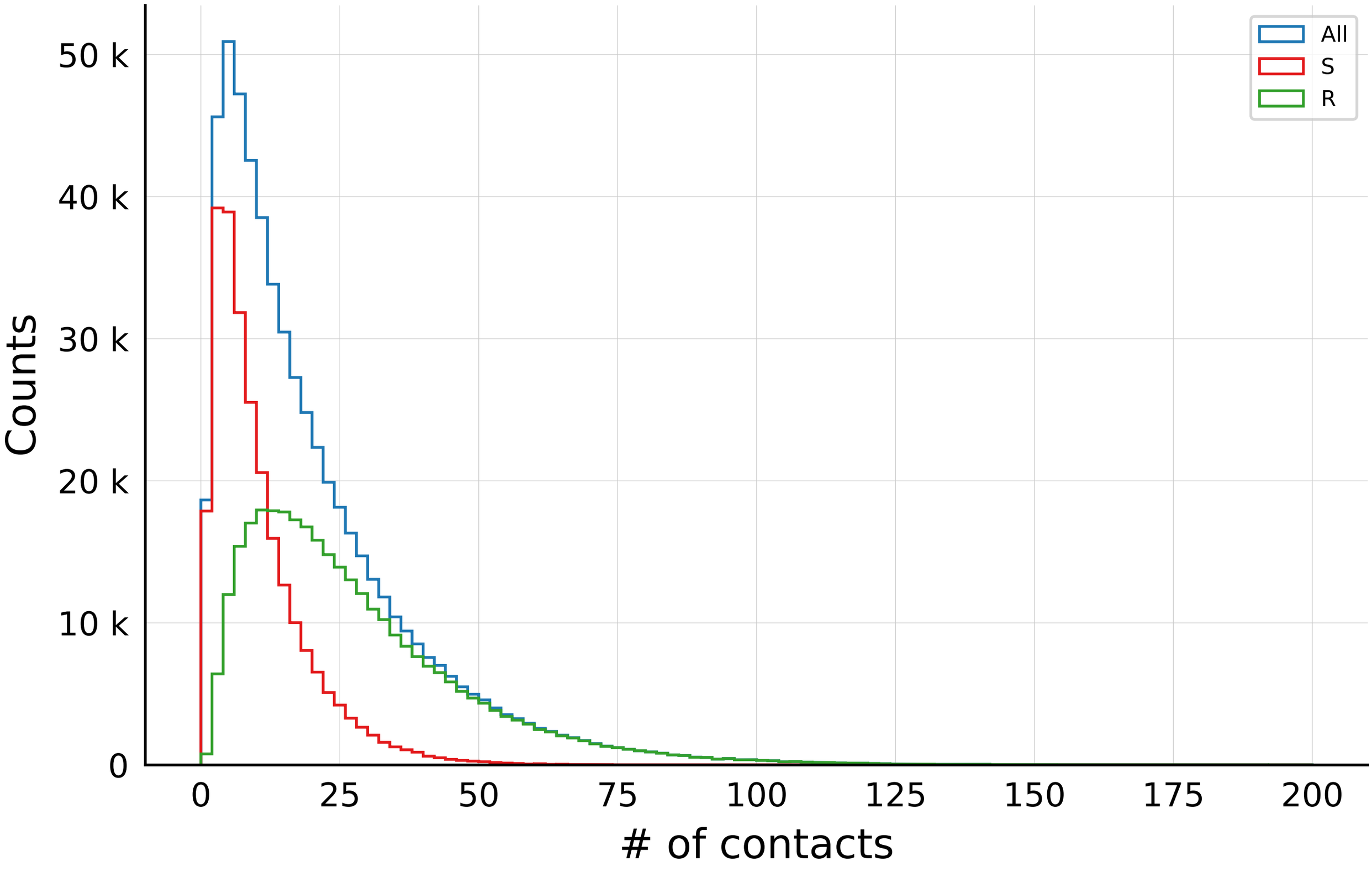
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 20.0,\ \sigma_\mu = 0.0,\ \beta = 0.04,\ \sigma_\beta = 1.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



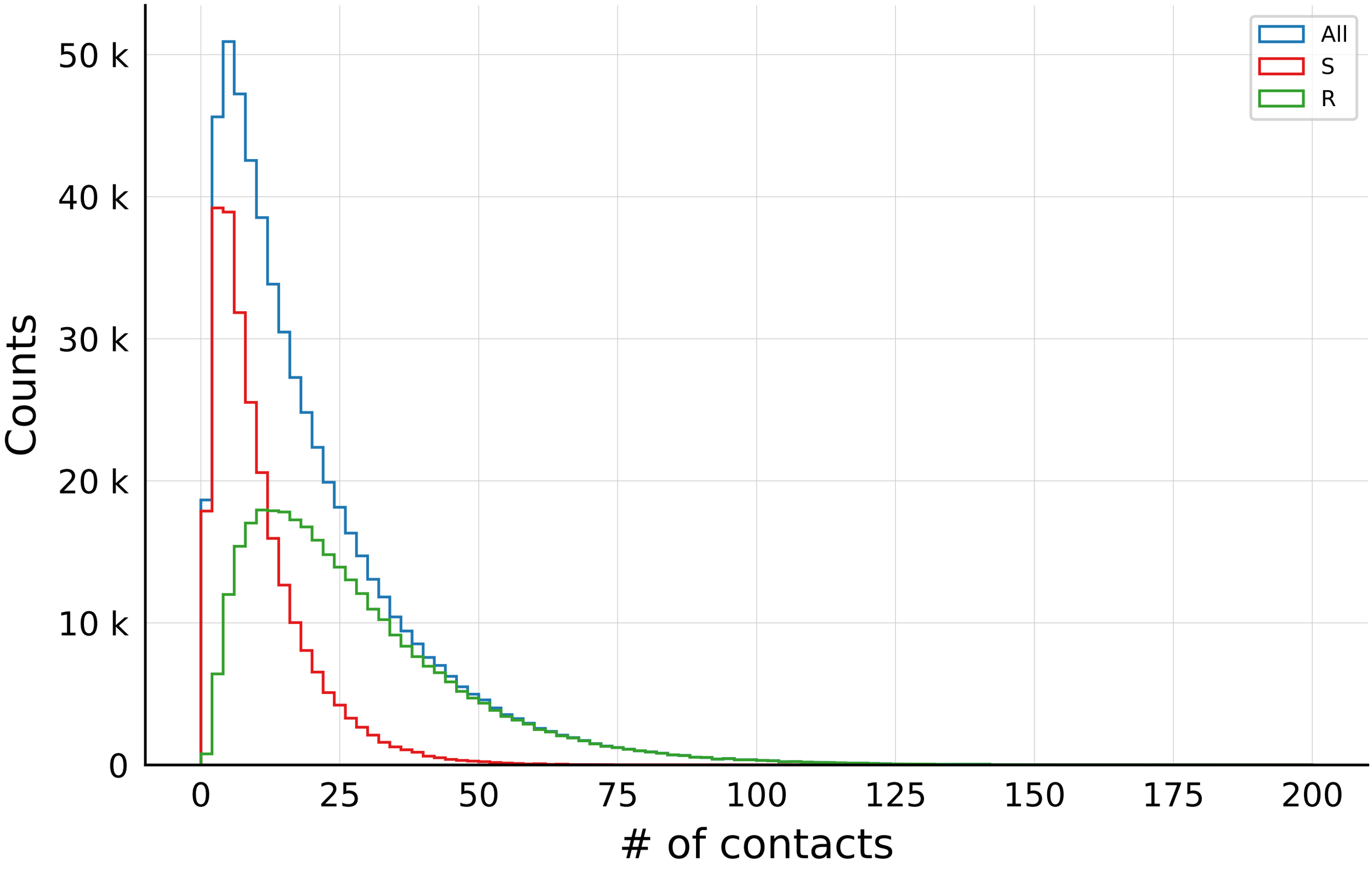
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 20.0,\ \sigma_\mu = 1.0,\ \beta = 0.02,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



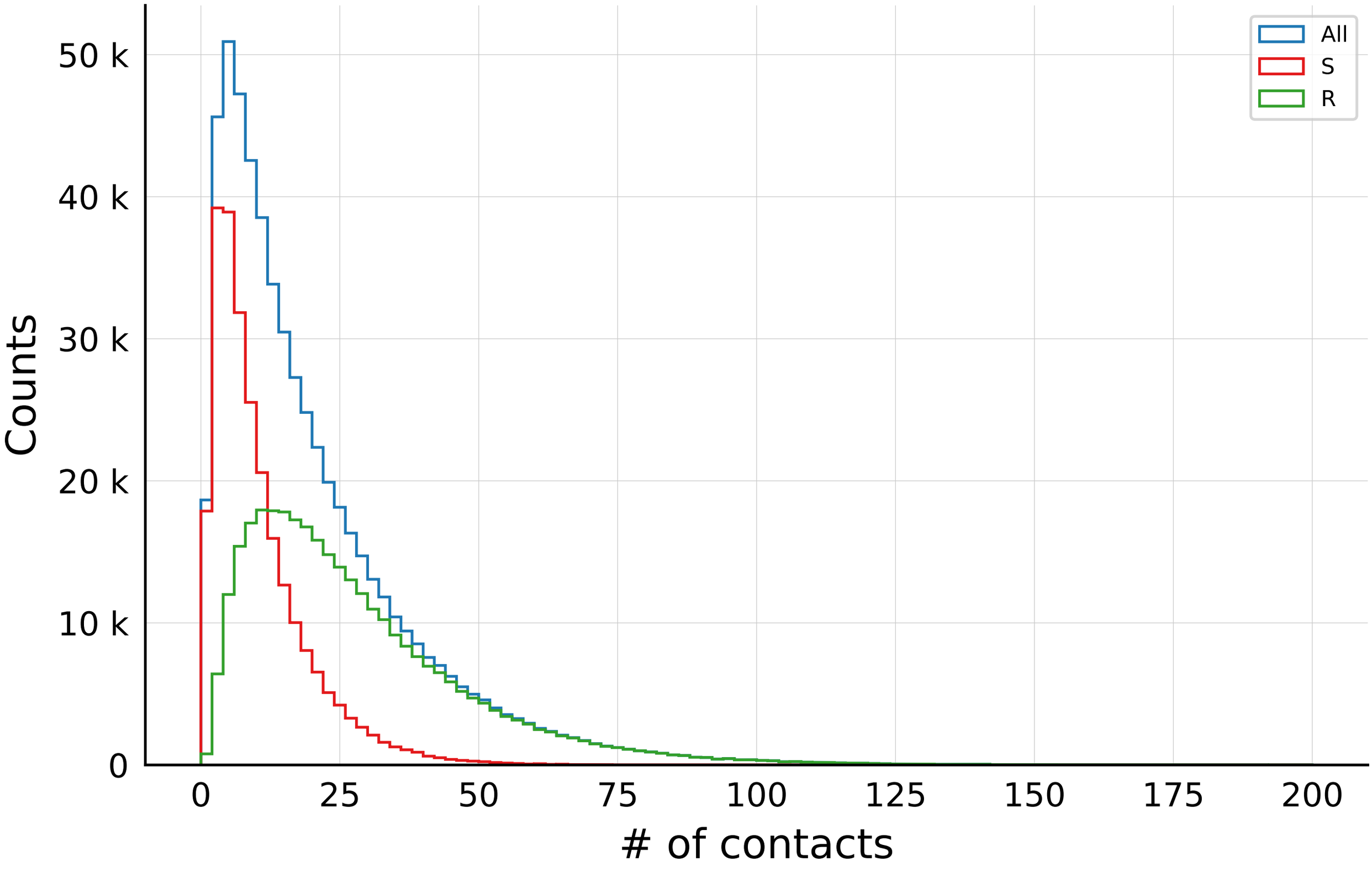
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 20.0,\ \sigma_\mu = 1.0,\ \beta = 0.02,\ \sigma_\beta = 1.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



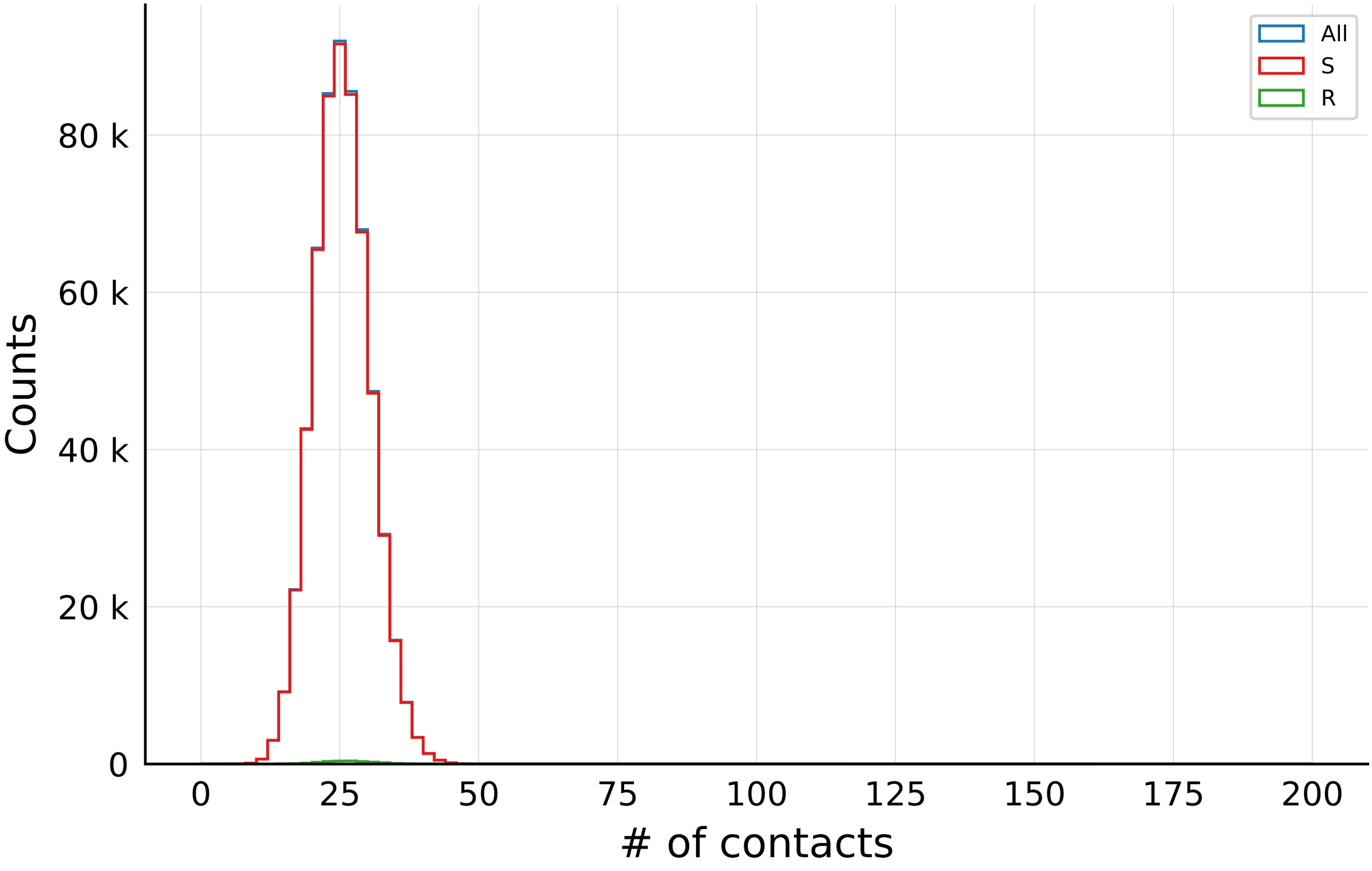
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 20.0,\ \sigma_\mu = 1.0,\ \beta = 0.04,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



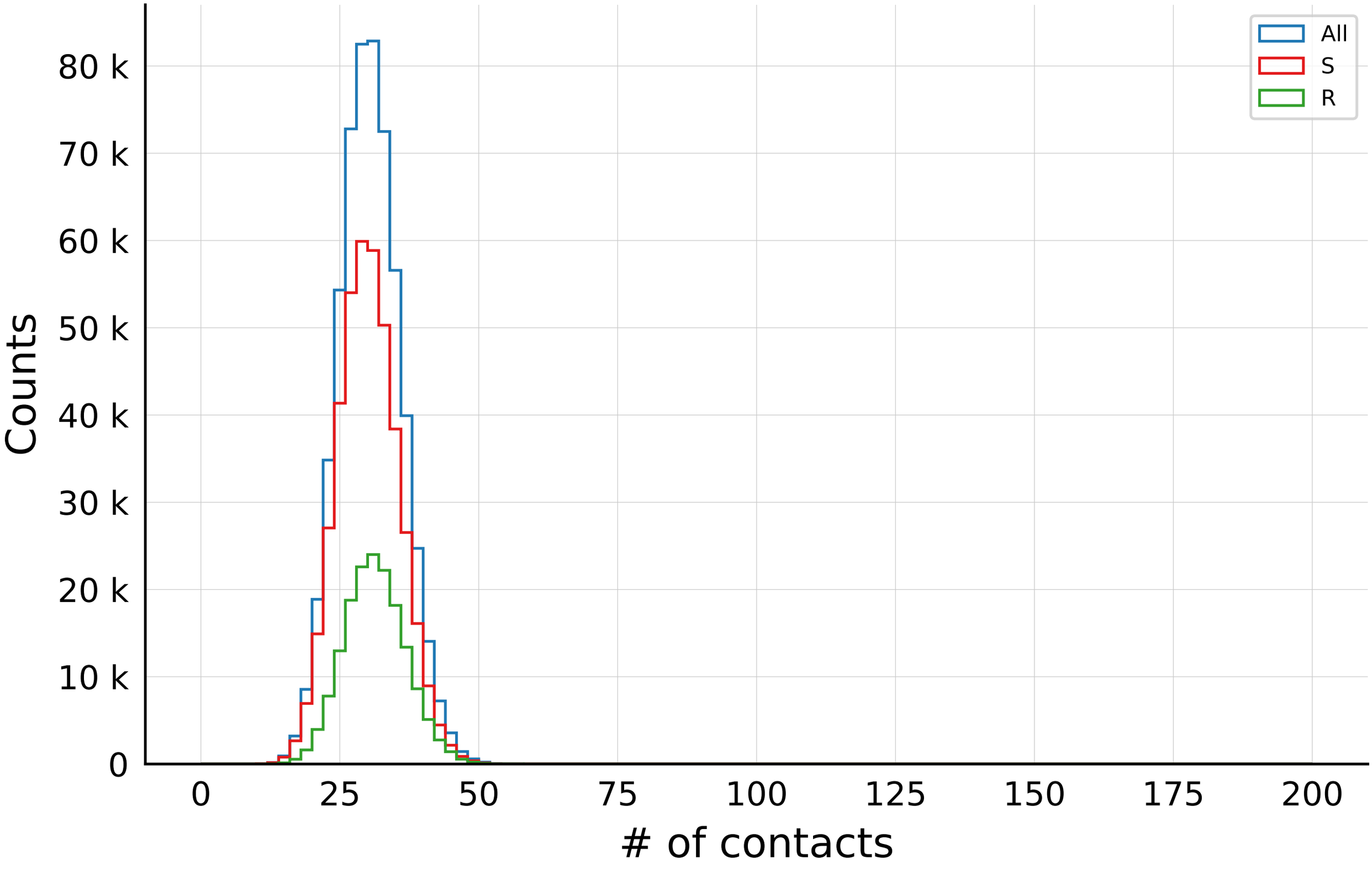
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 20.0,\ \sigma_\mu = 1.0,\ \beta = 0.04,\ \sigma_\beta = 1.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



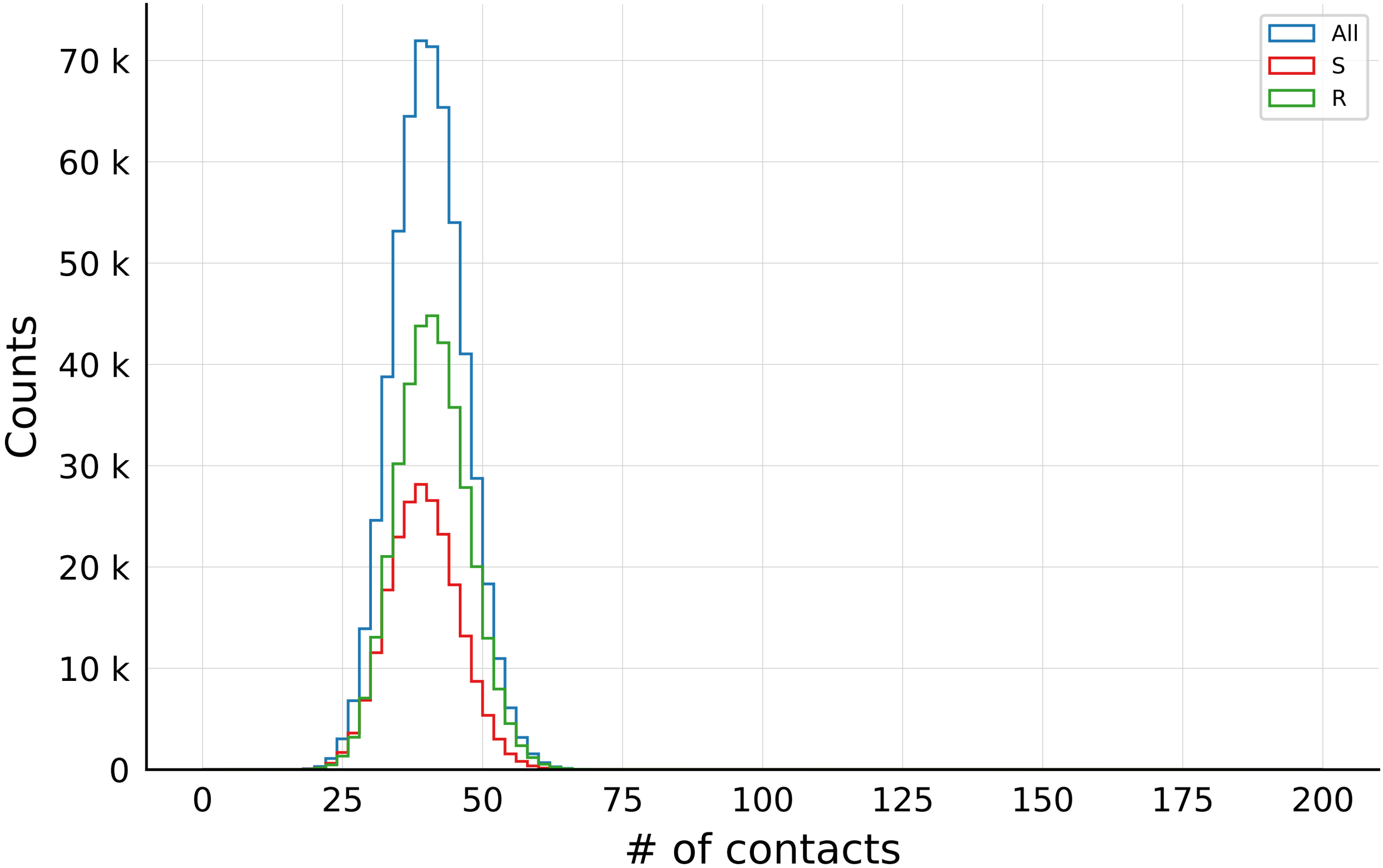
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 25.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



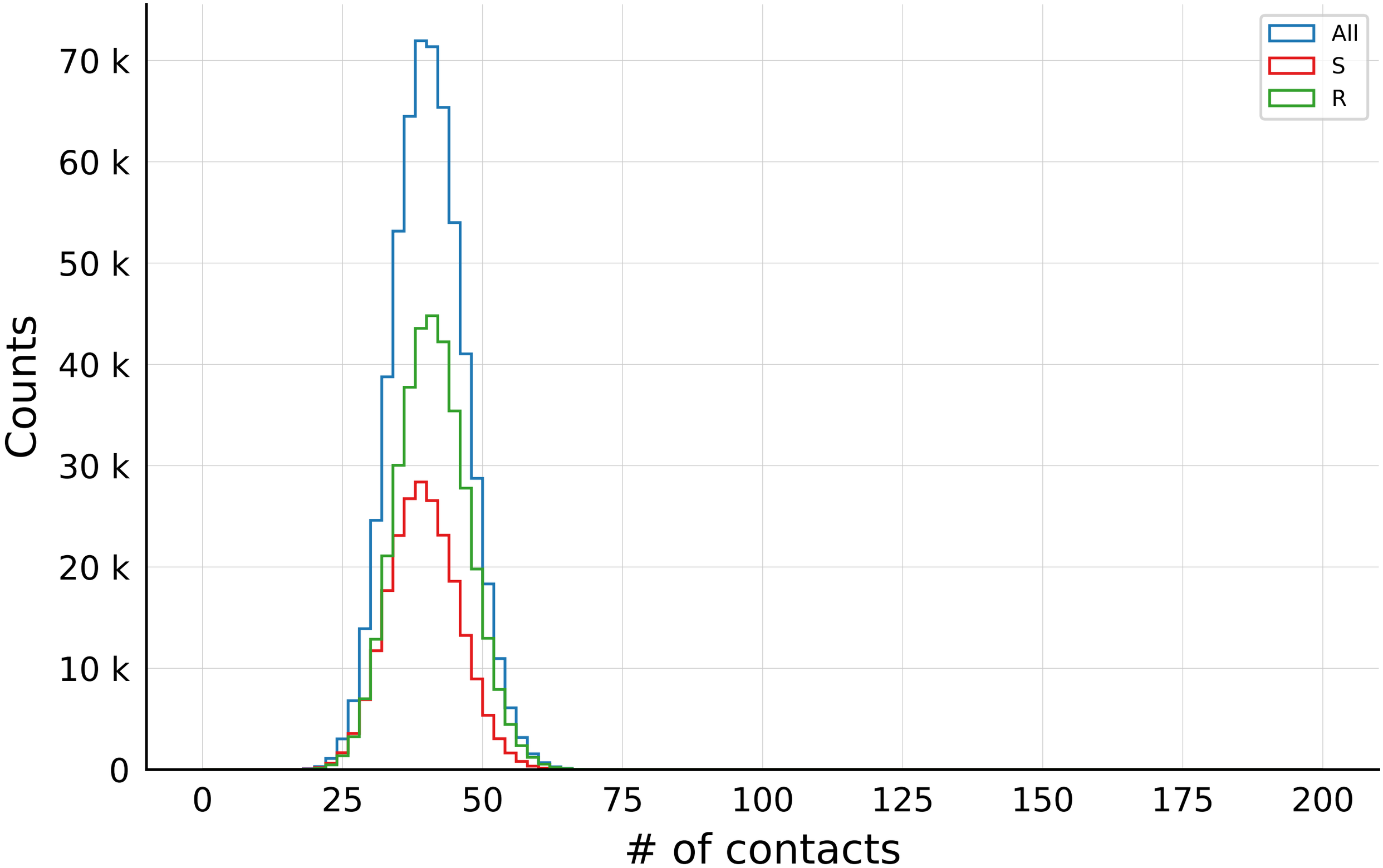
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 30.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



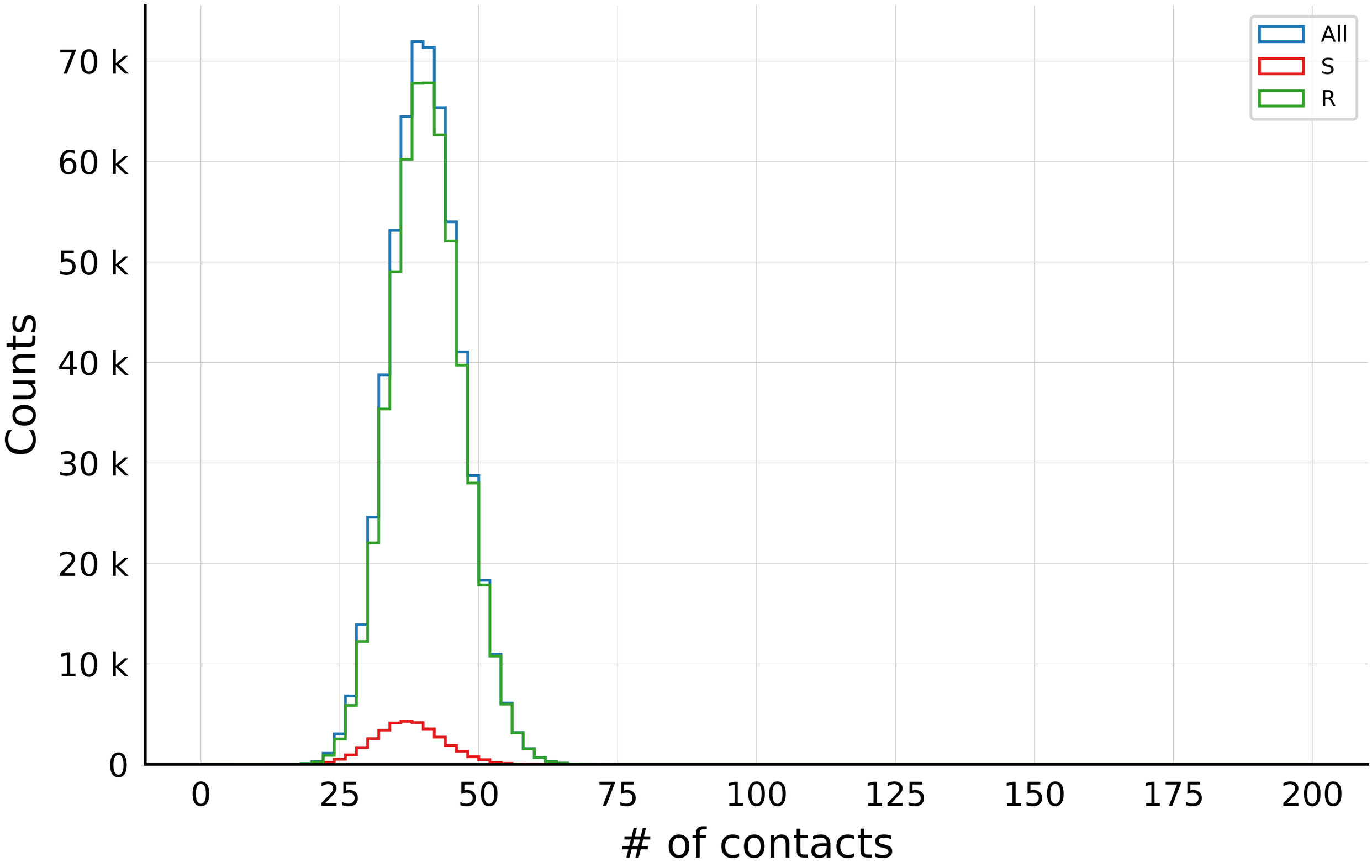
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.005,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



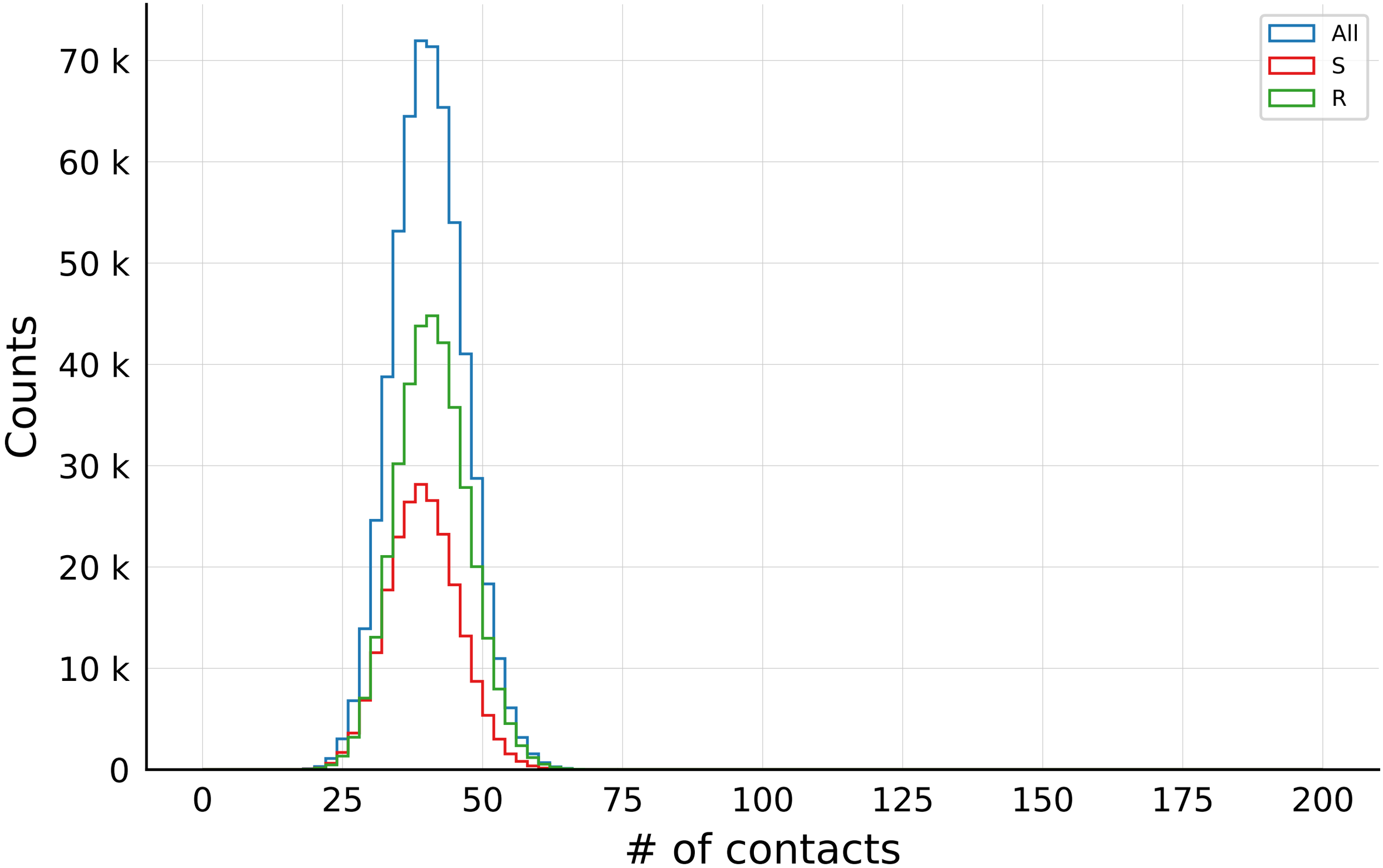
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 0.5,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



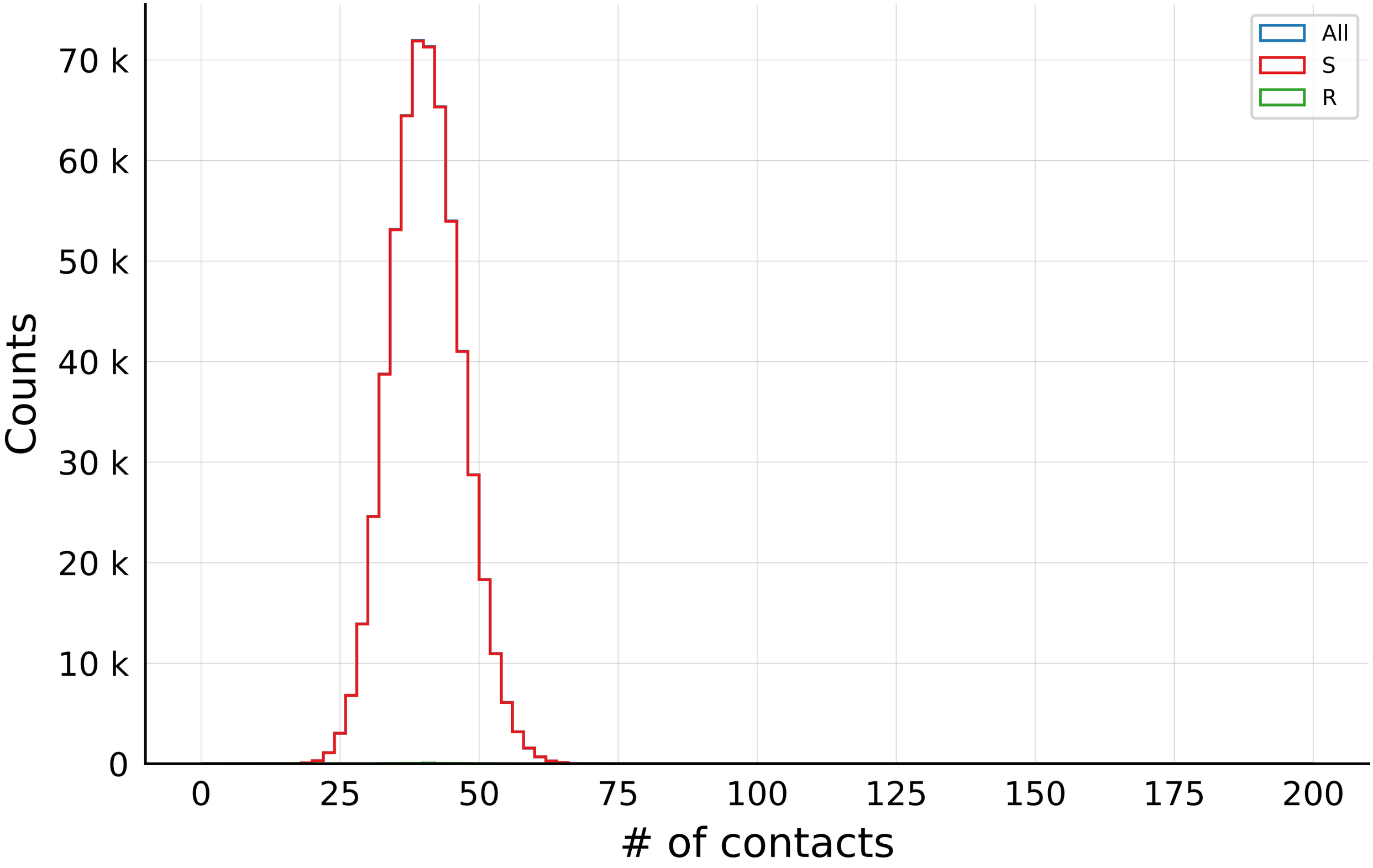
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 0.5,\ \text{algo} = 2,\ ID = 0$$



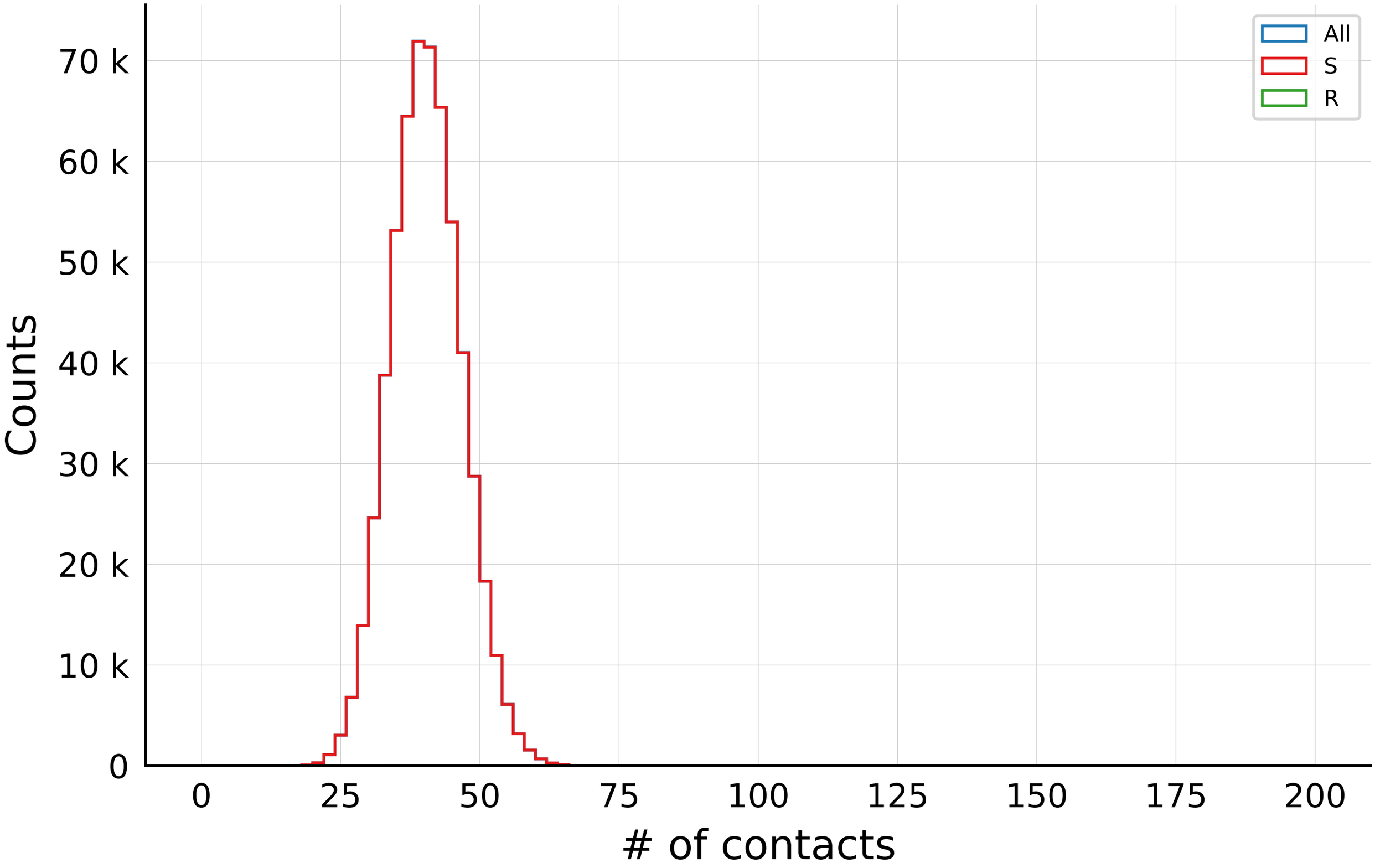
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



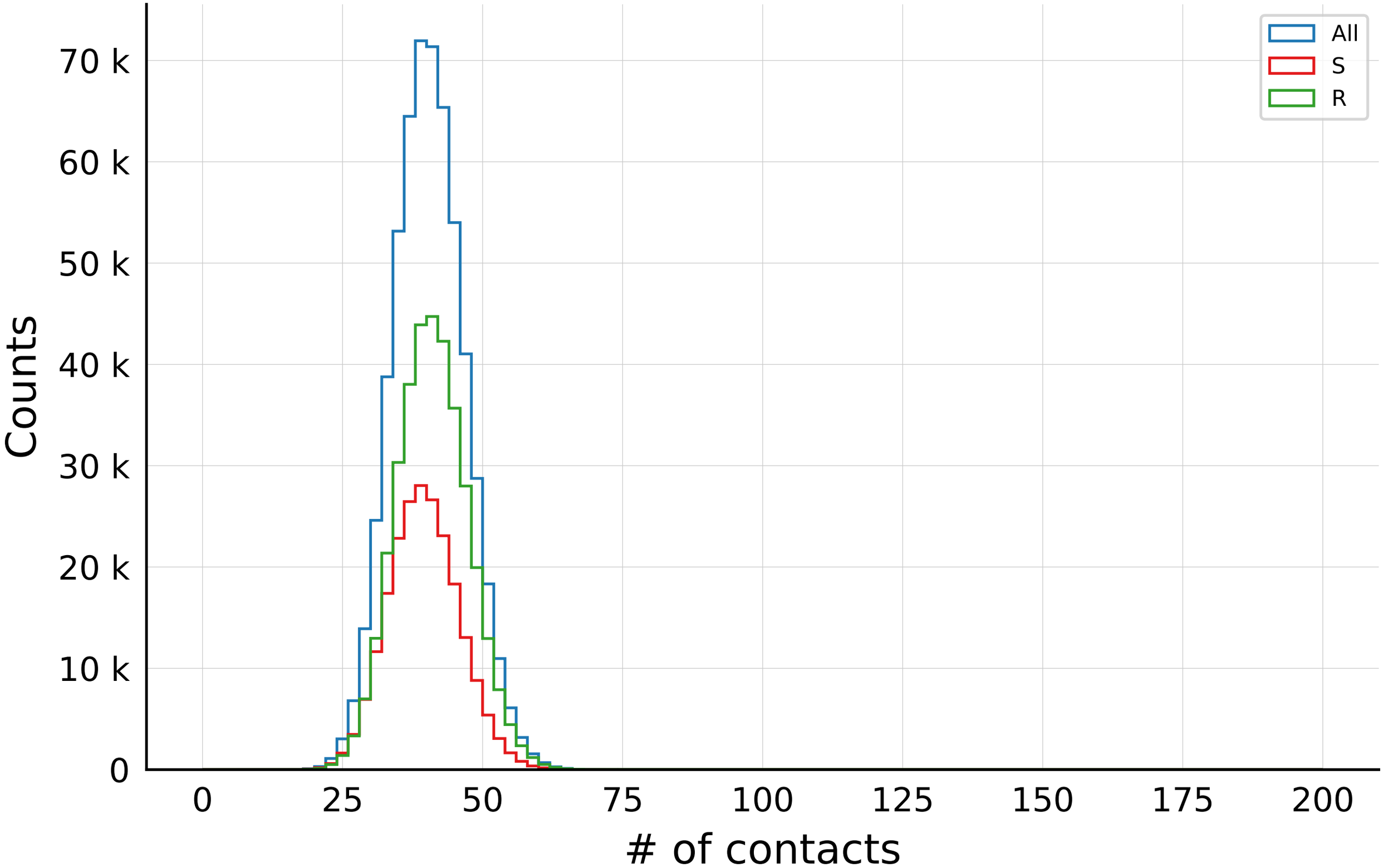
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 2.0,\ \text{algo} = 2,\ ID = 0$$



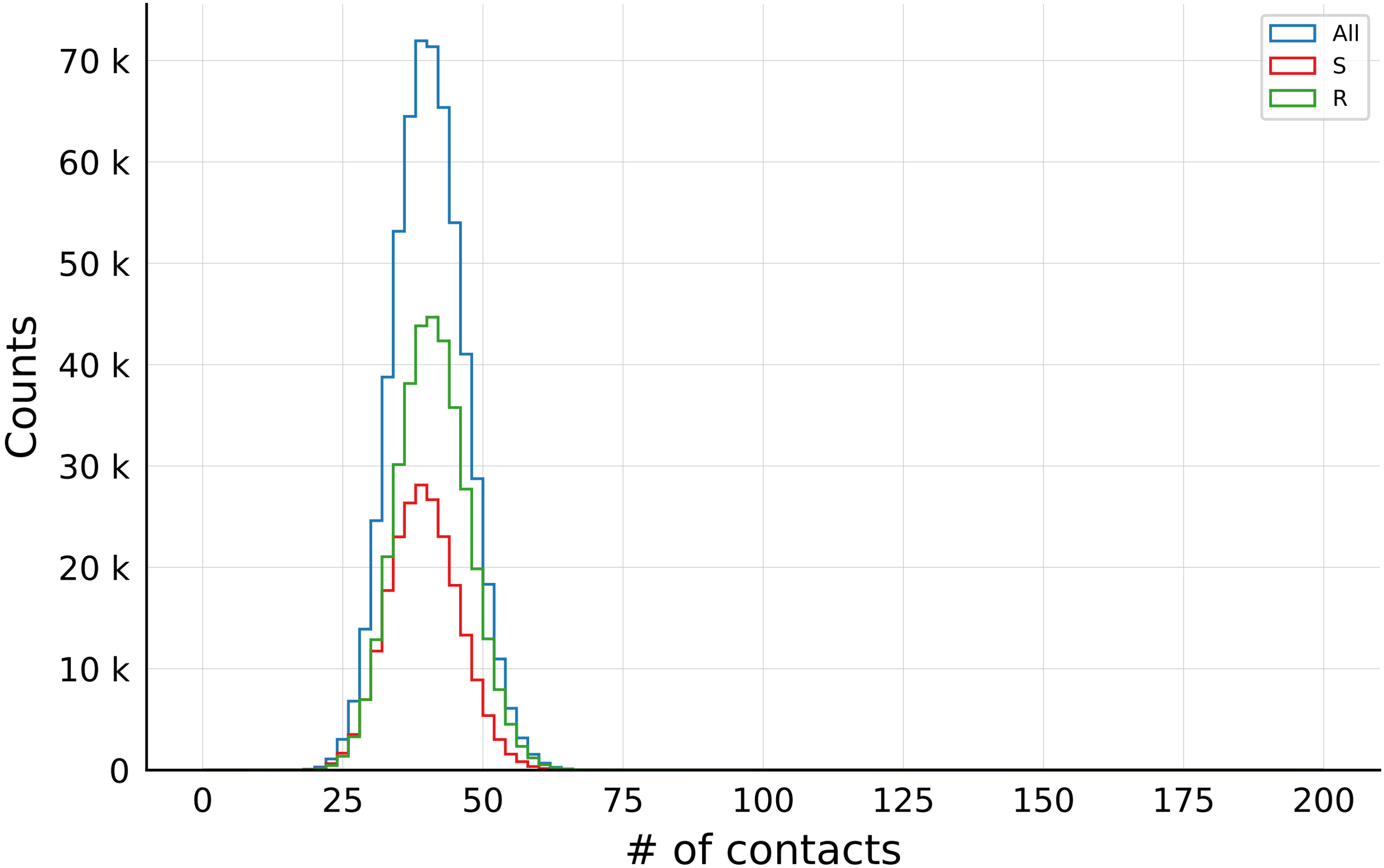
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 4.0,\ \text{algo} = 2,\ ID = 0$$



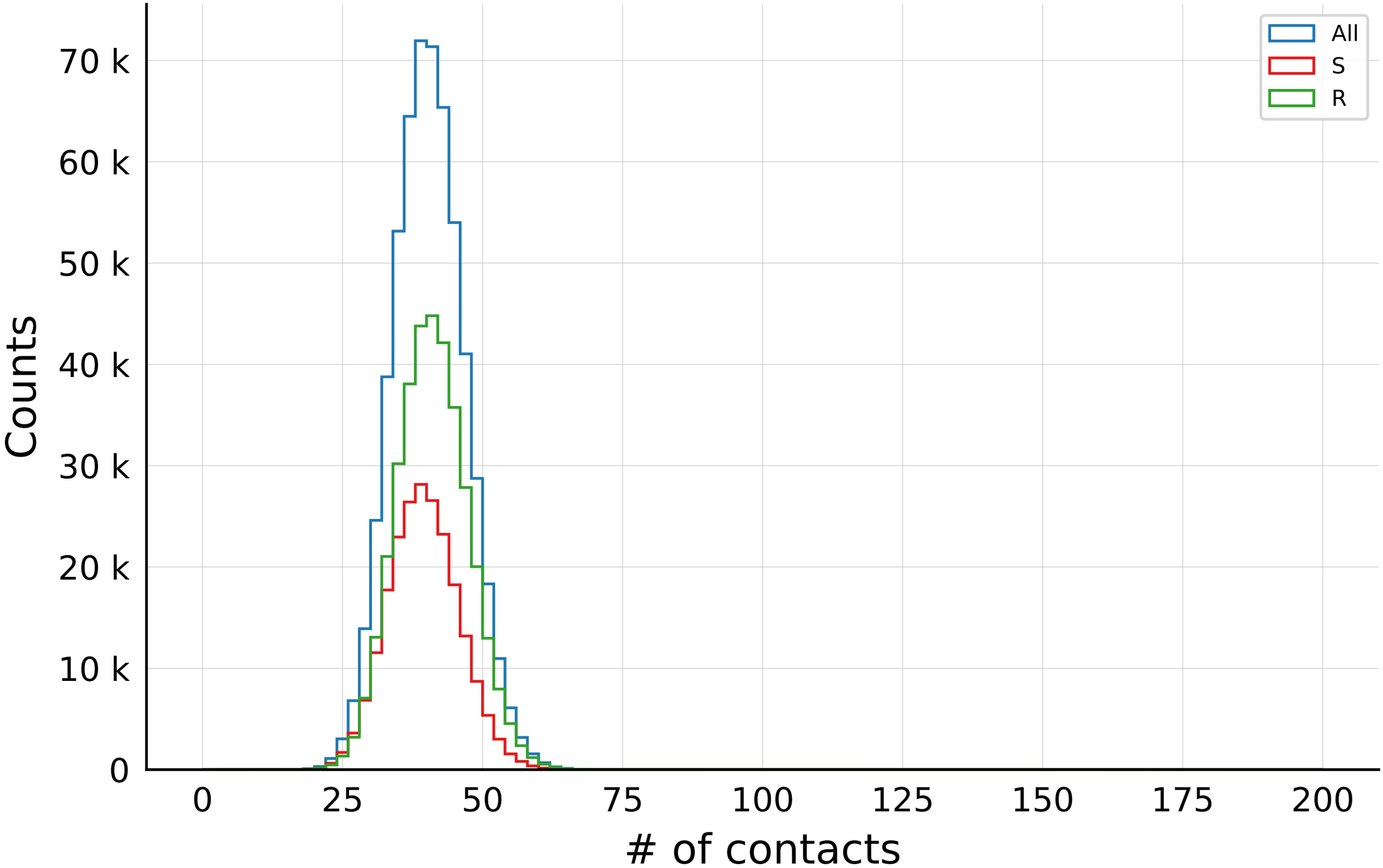
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 2.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



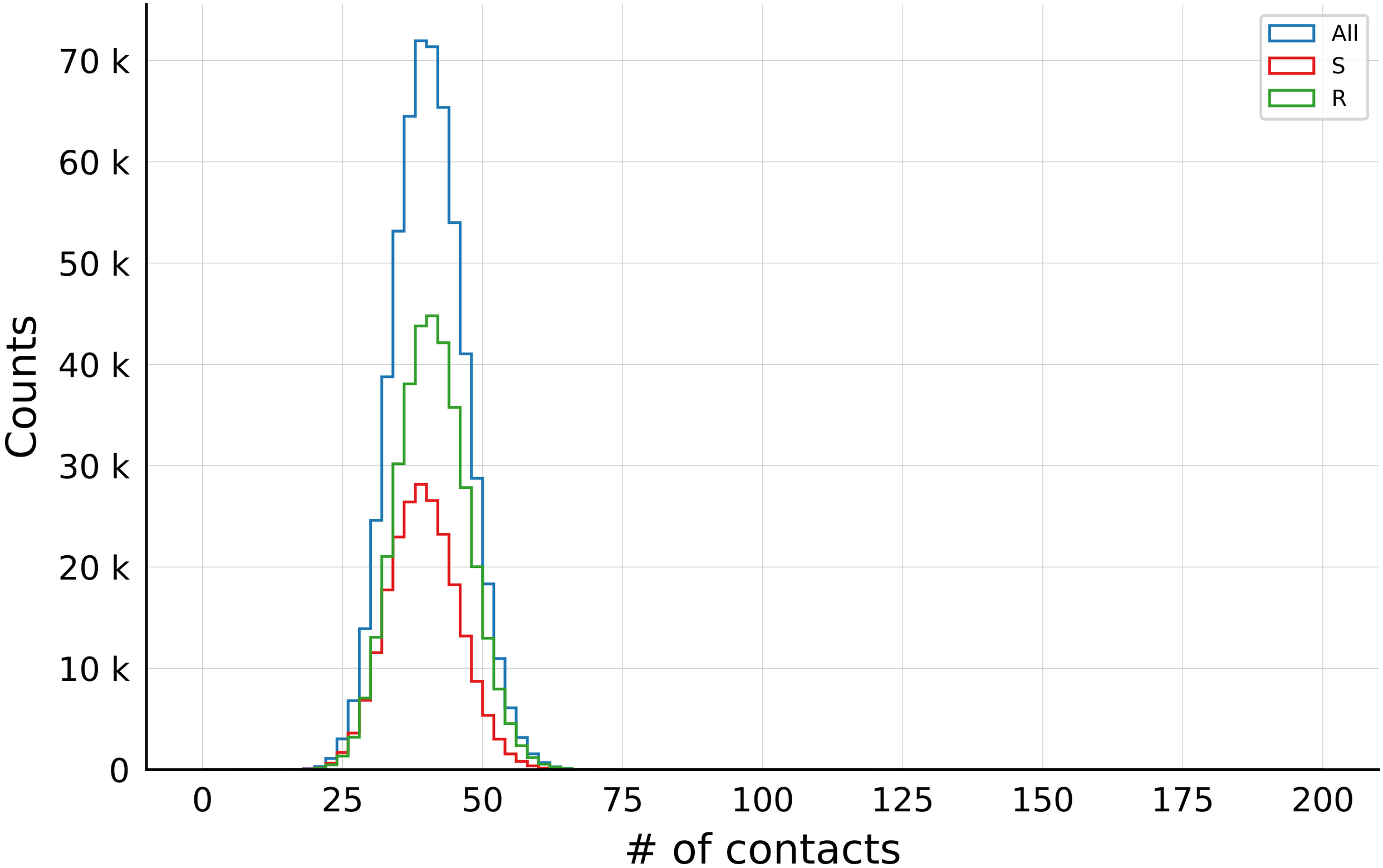
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 4.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.25$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.5$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.75$$
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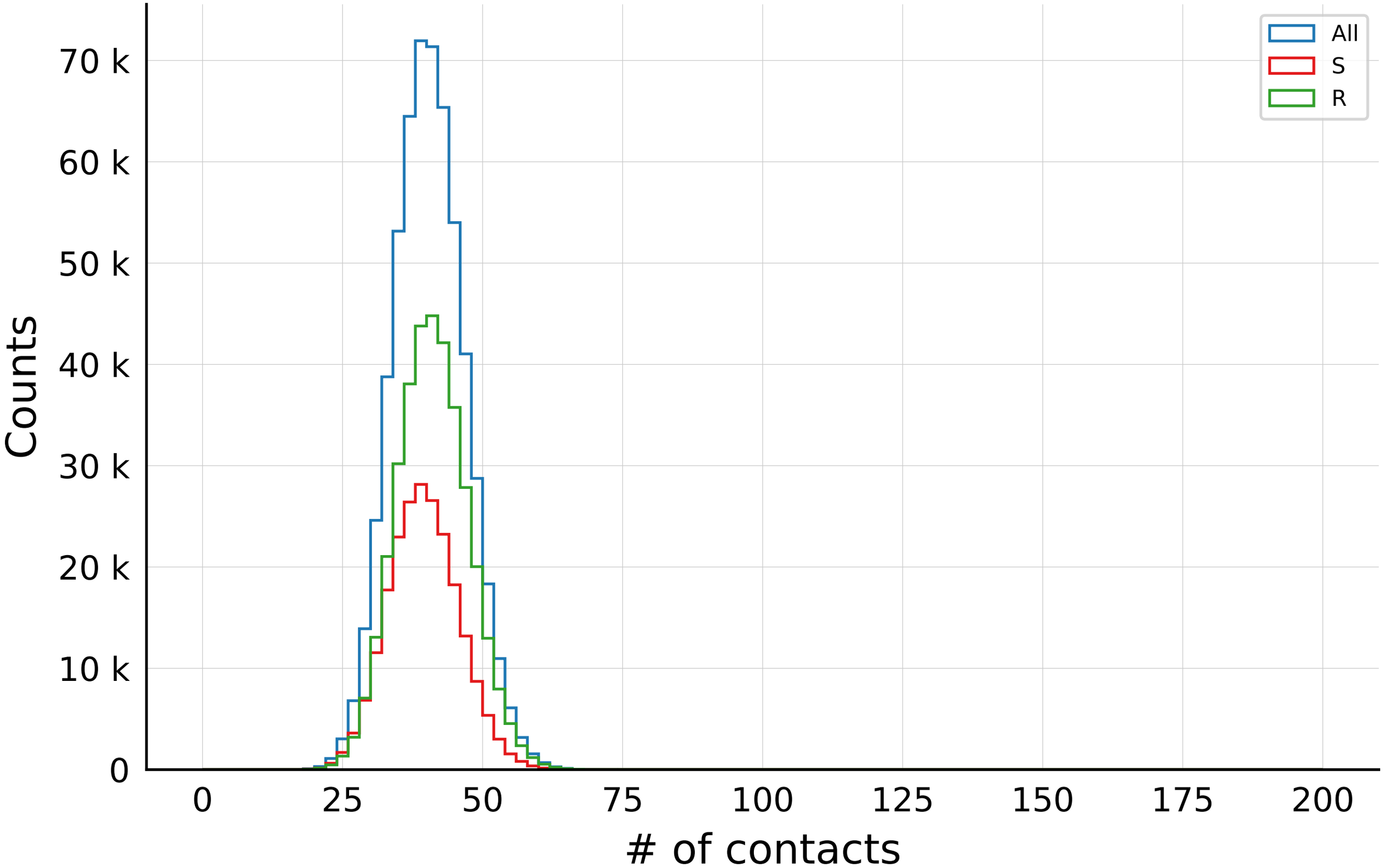
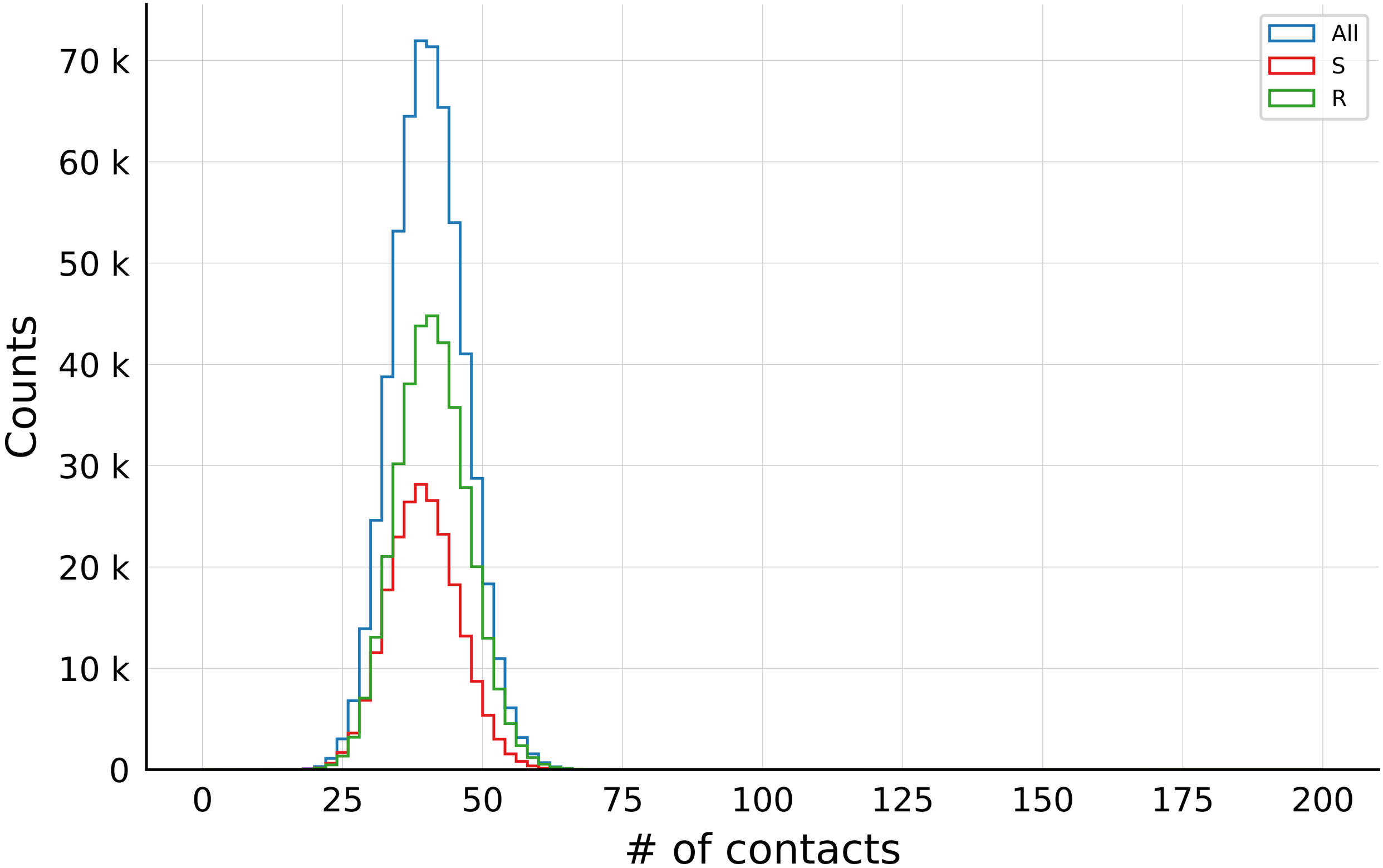
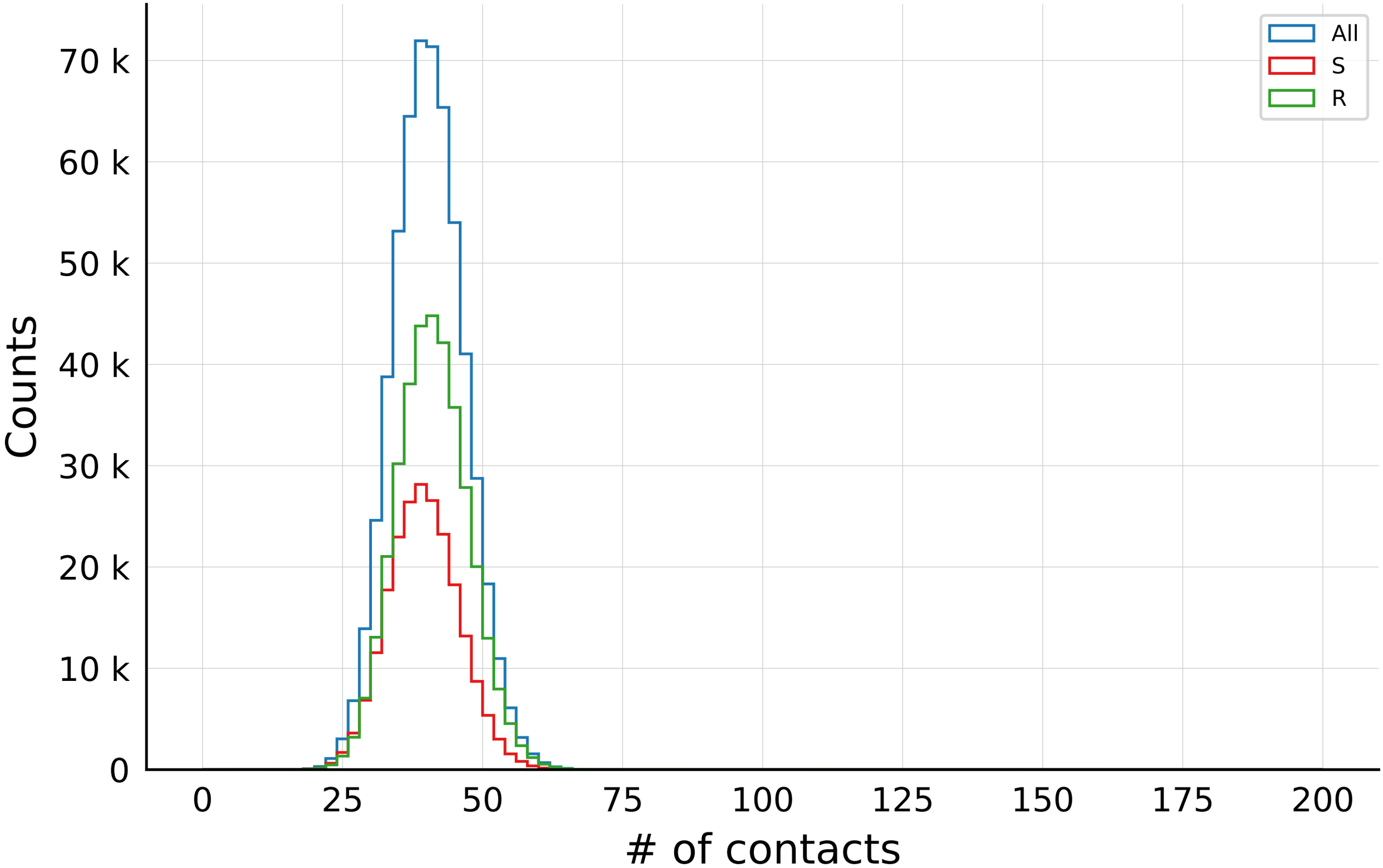


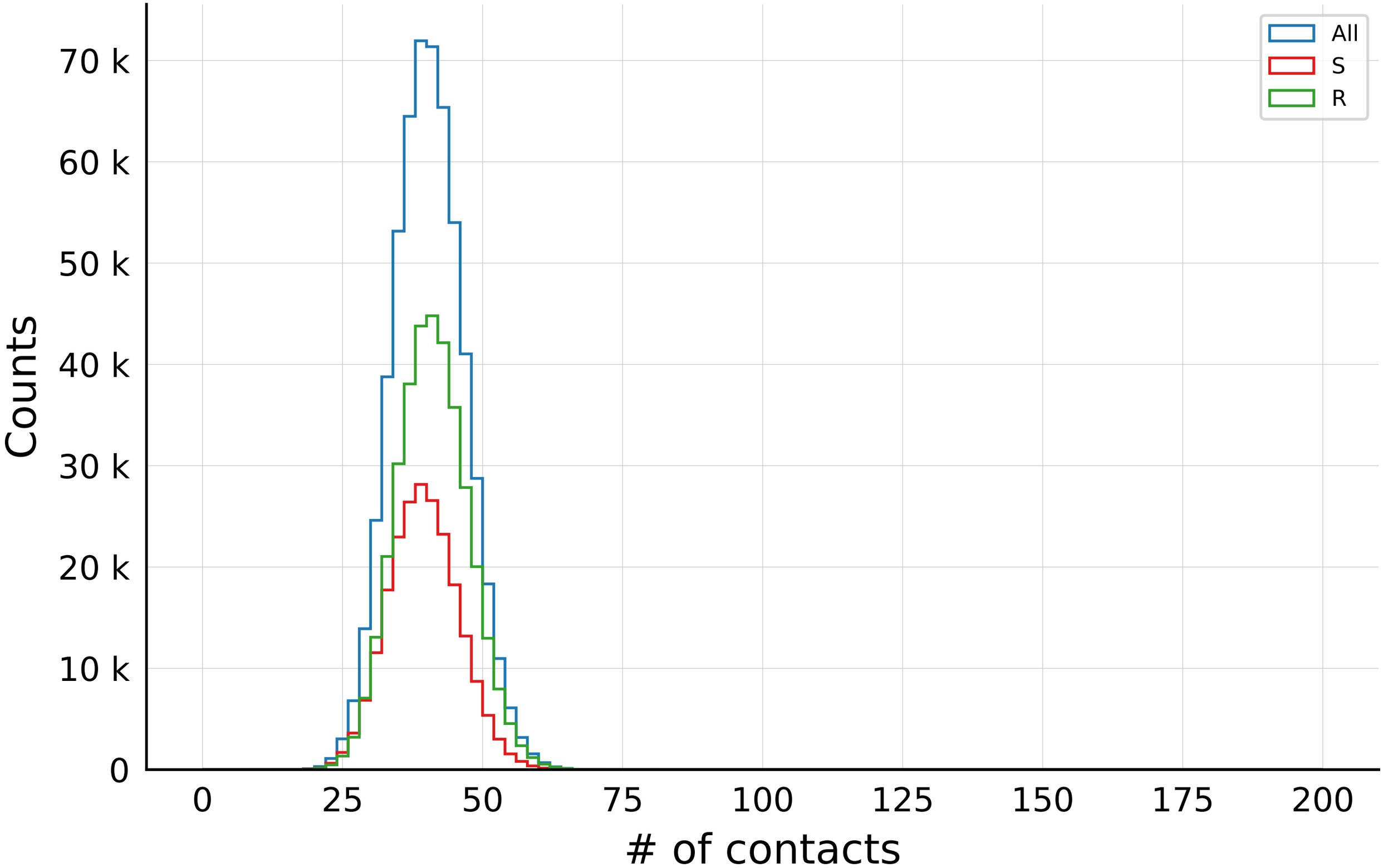
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 1.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



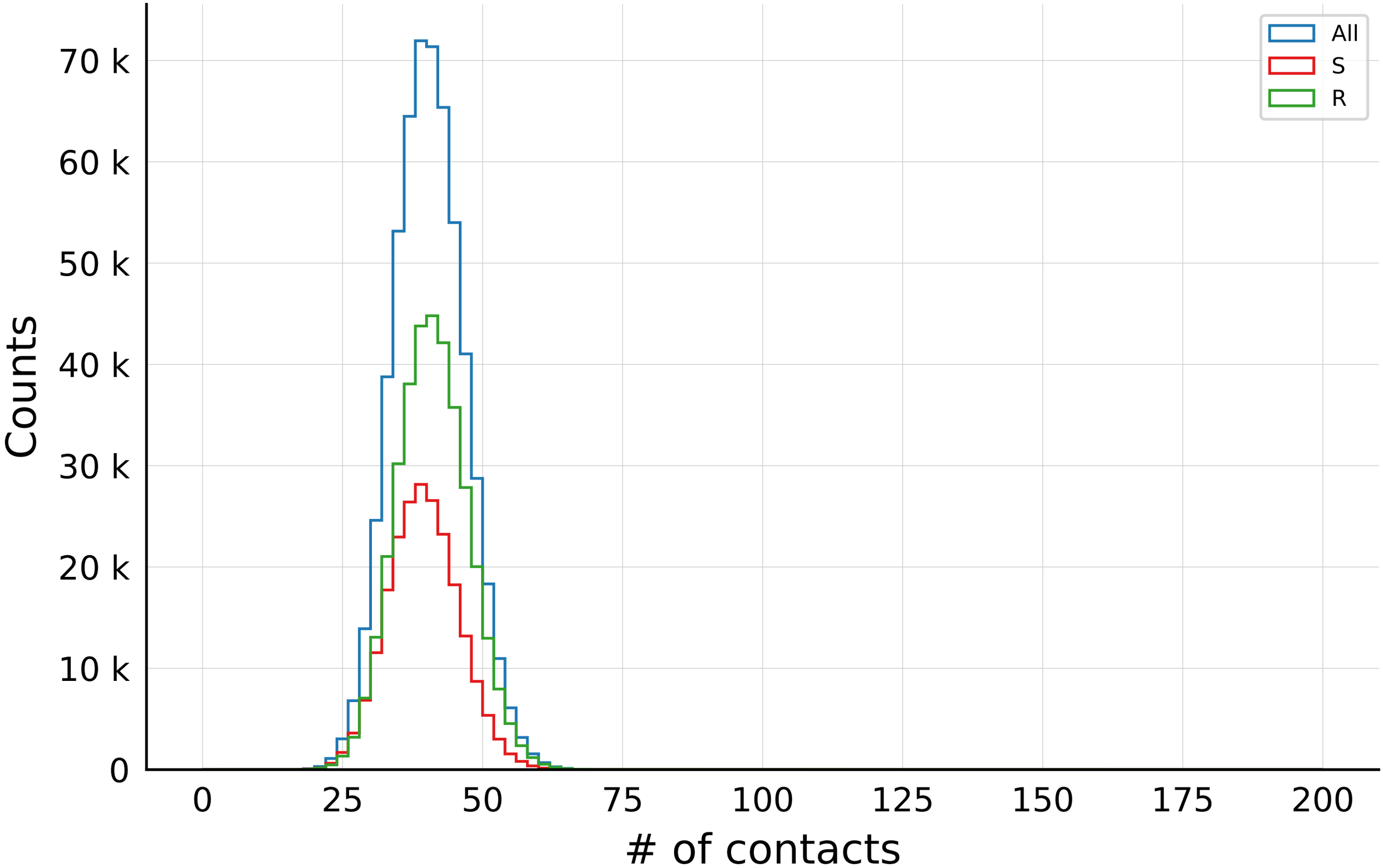
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.02,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



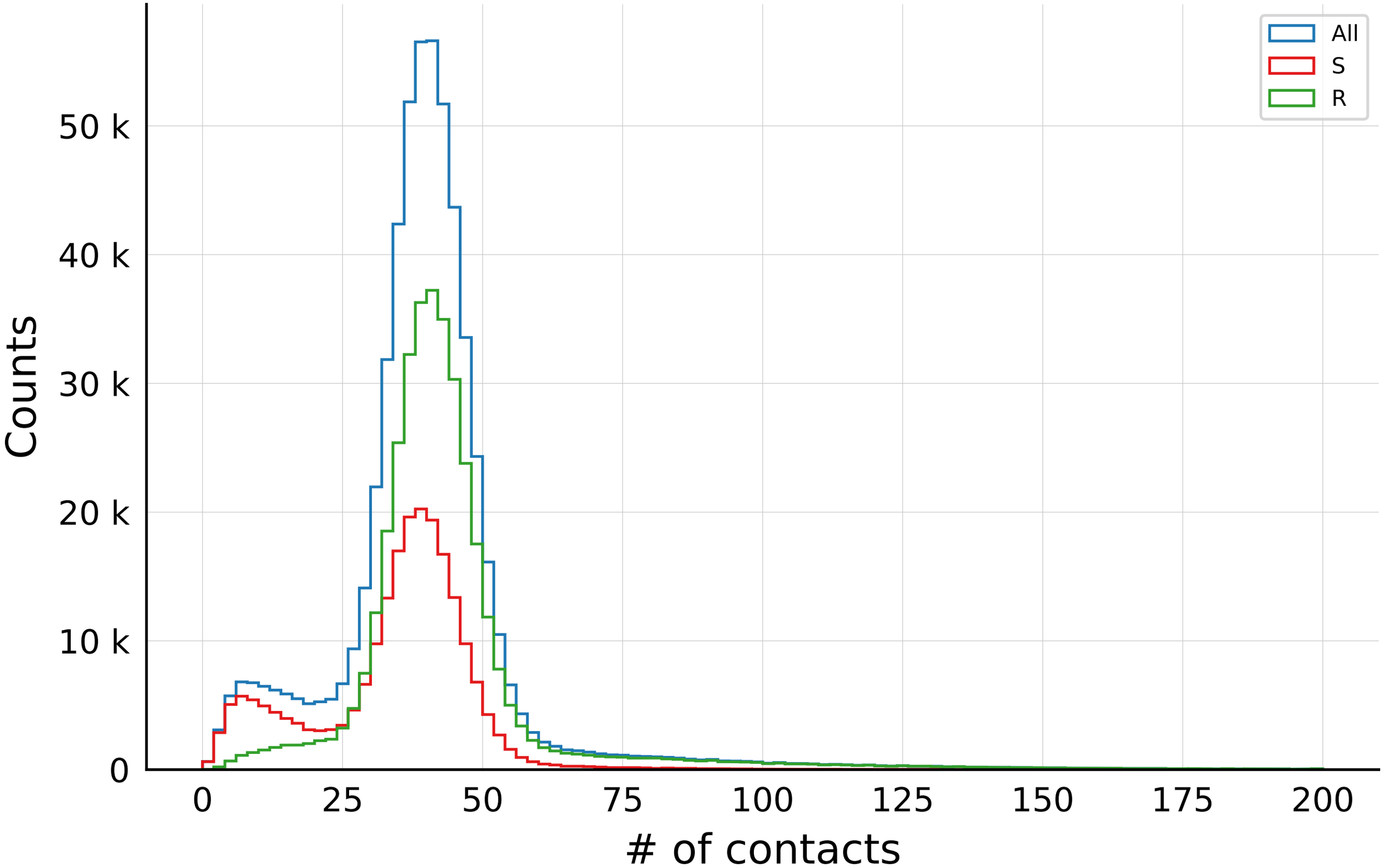
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.05,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



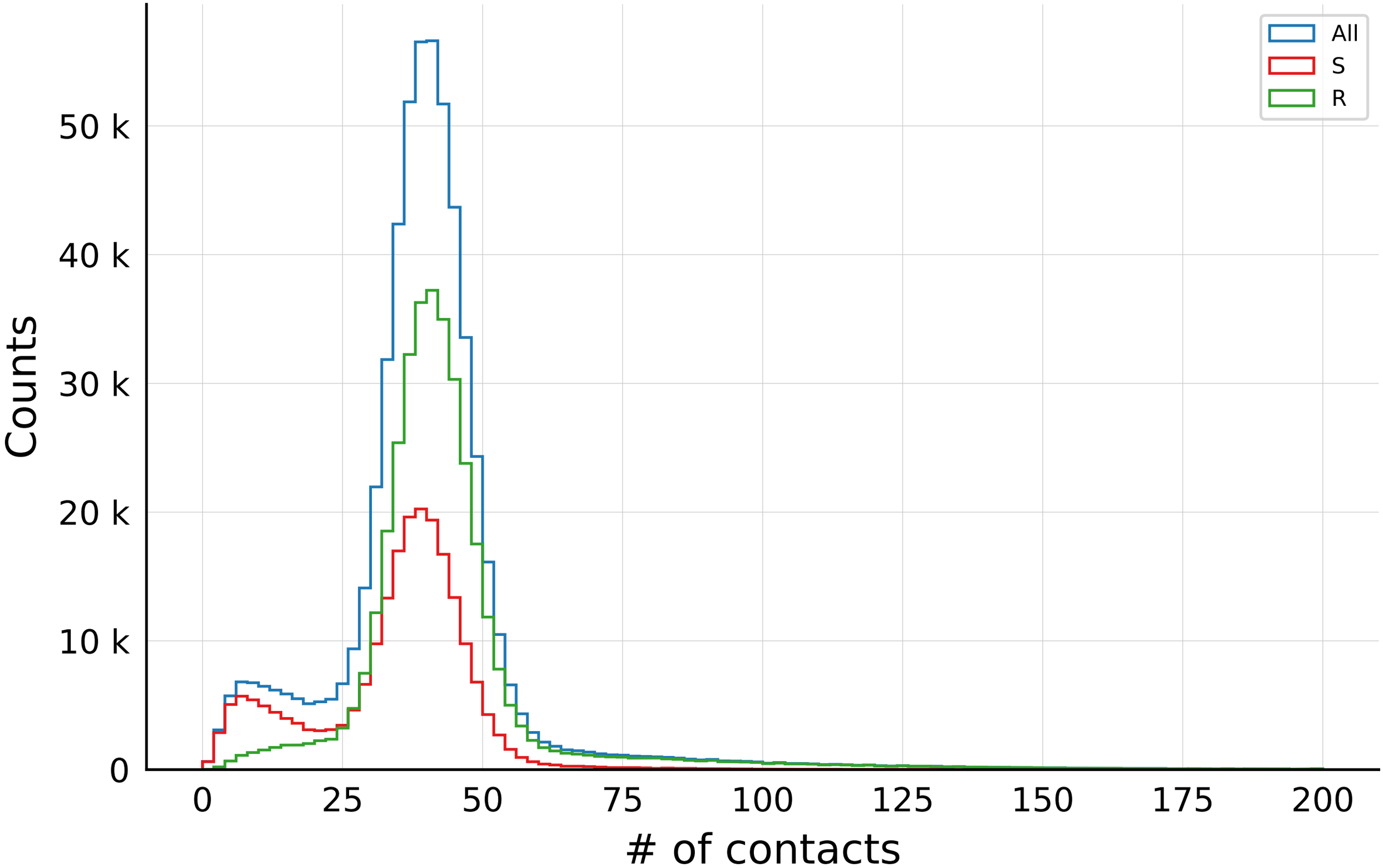
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.1,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



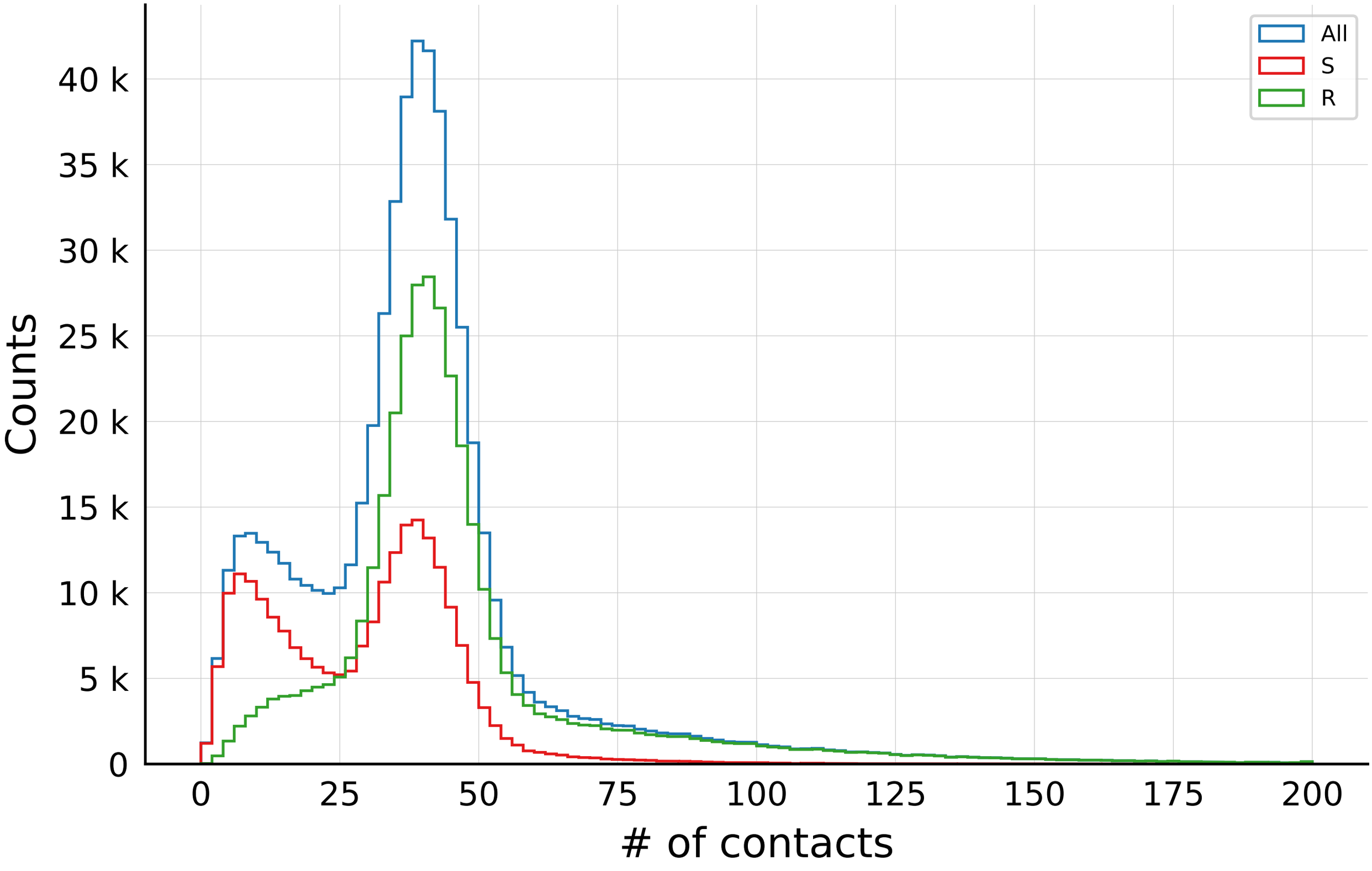
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.25,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



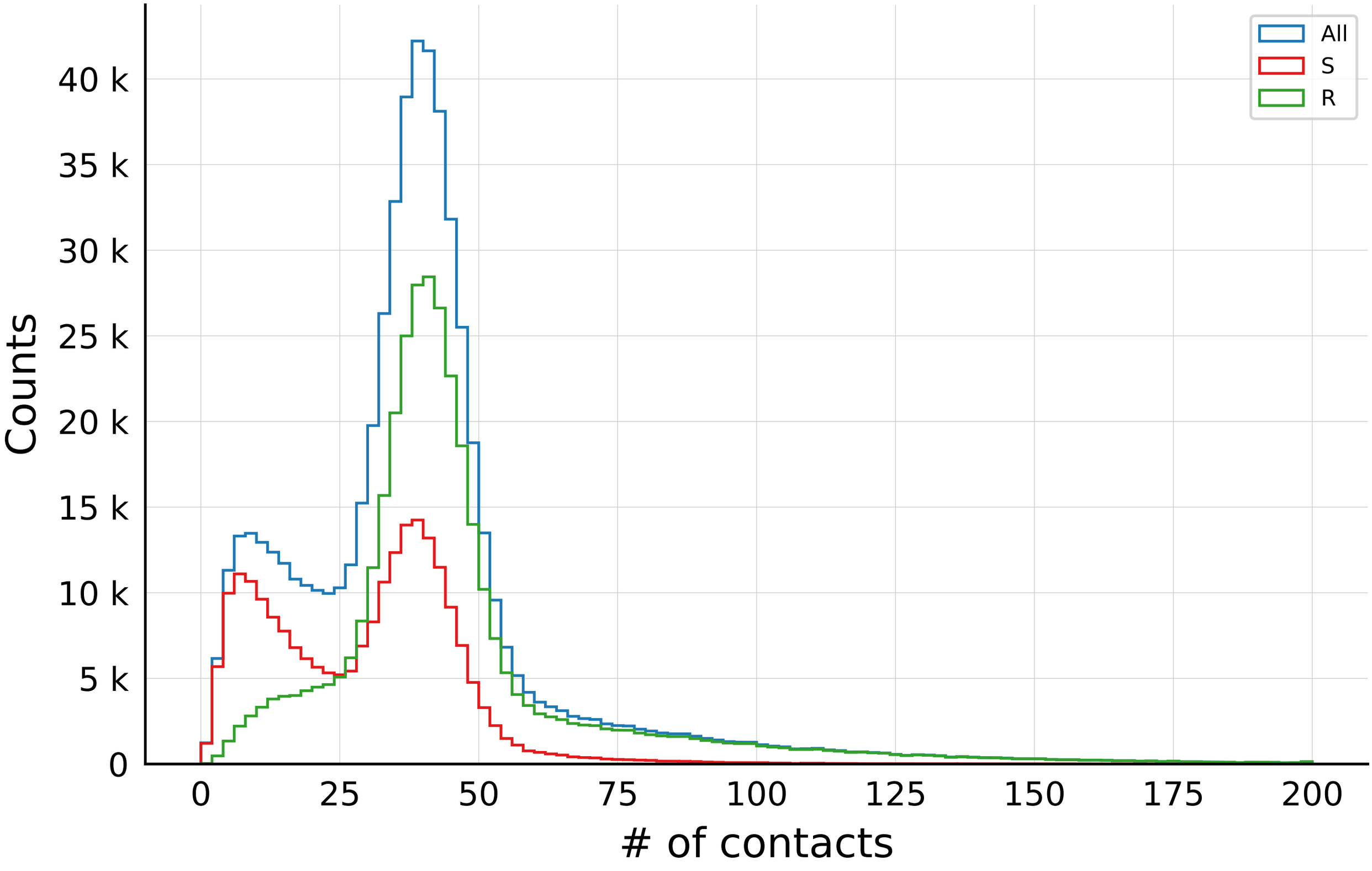
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.25,\ \beta = 0.01,\ \sigma_\beta = 1.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



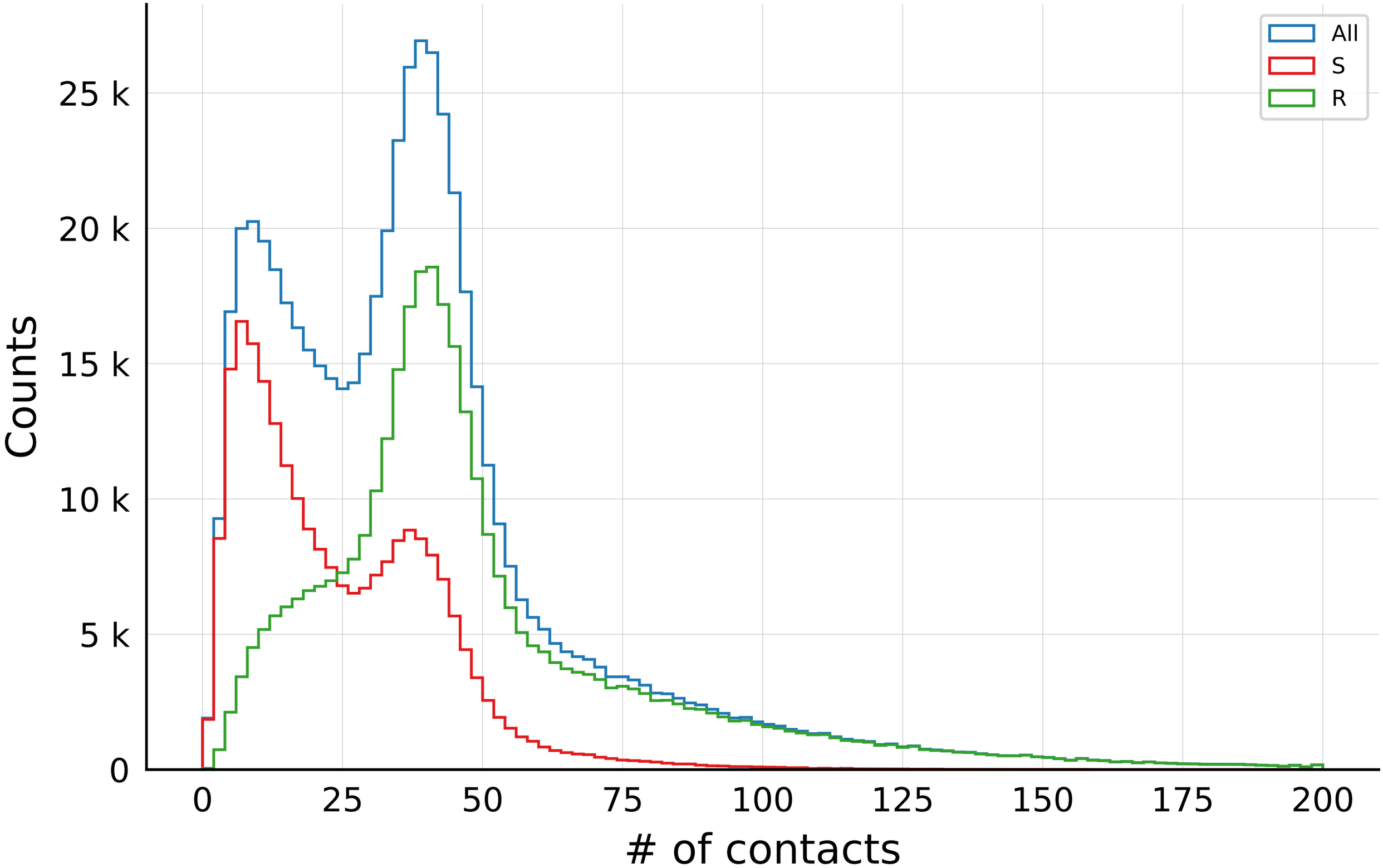
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.5,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



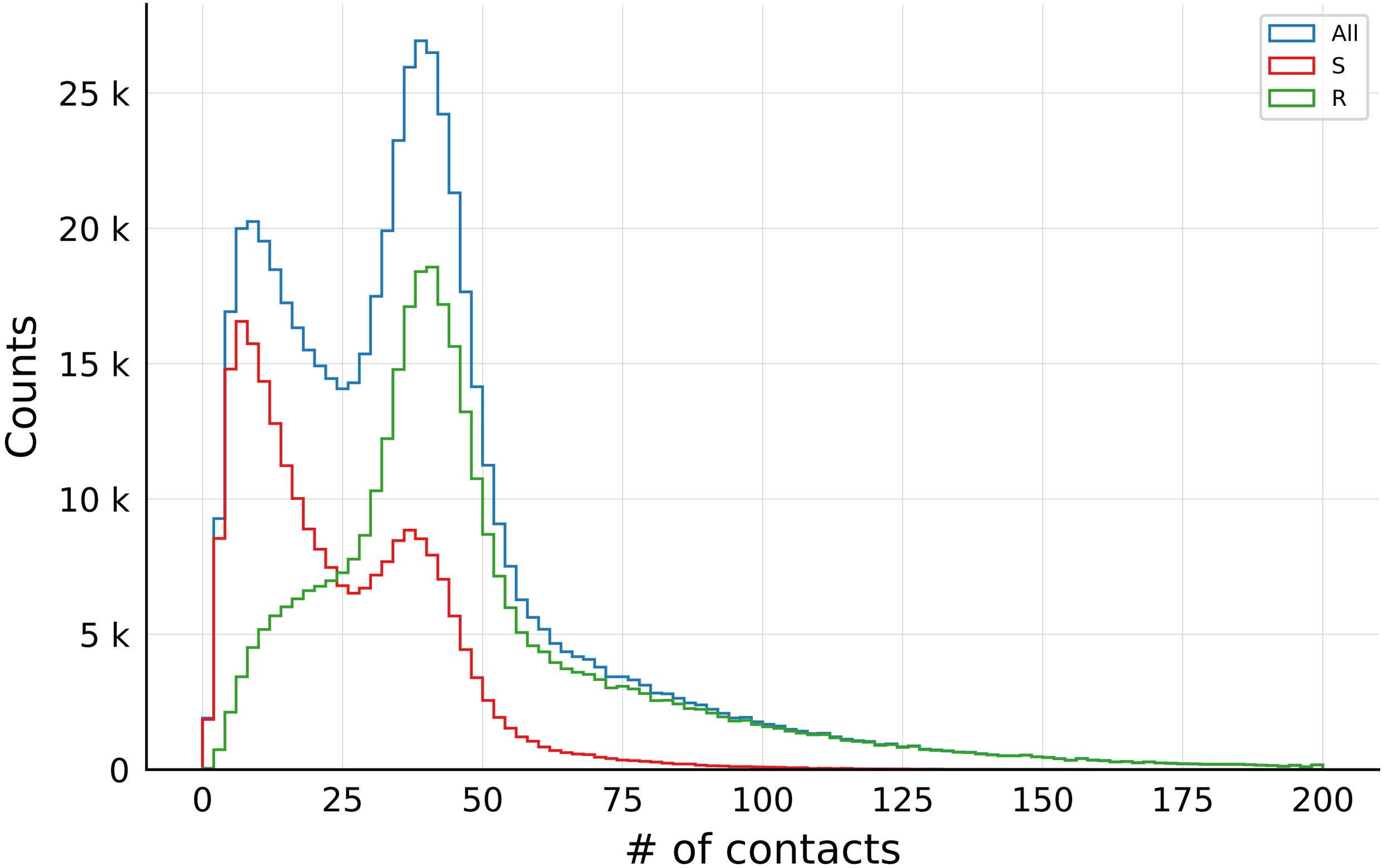
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.5,\ \beta = 0.01,\ \sigma_\beta = 1.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



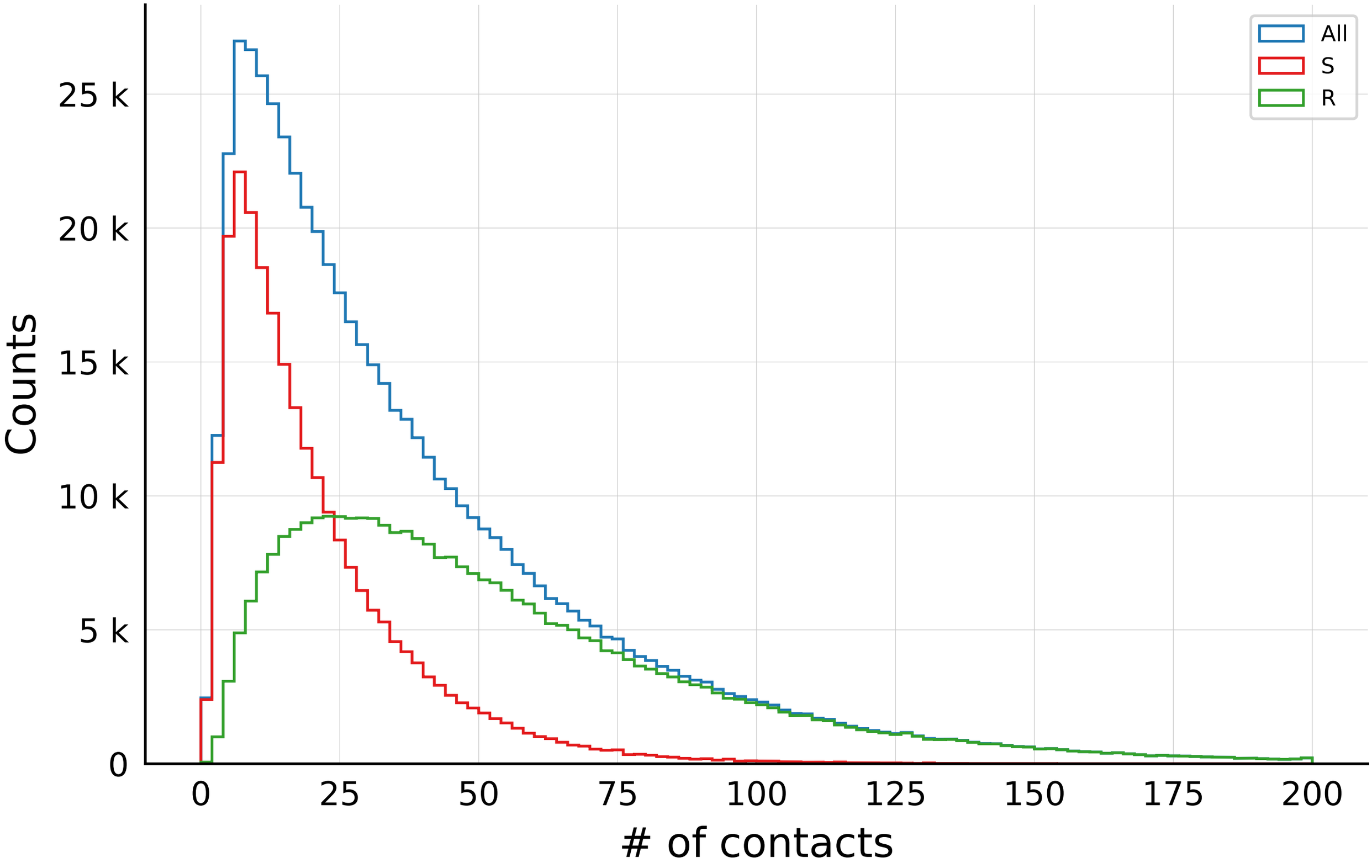
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.75,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



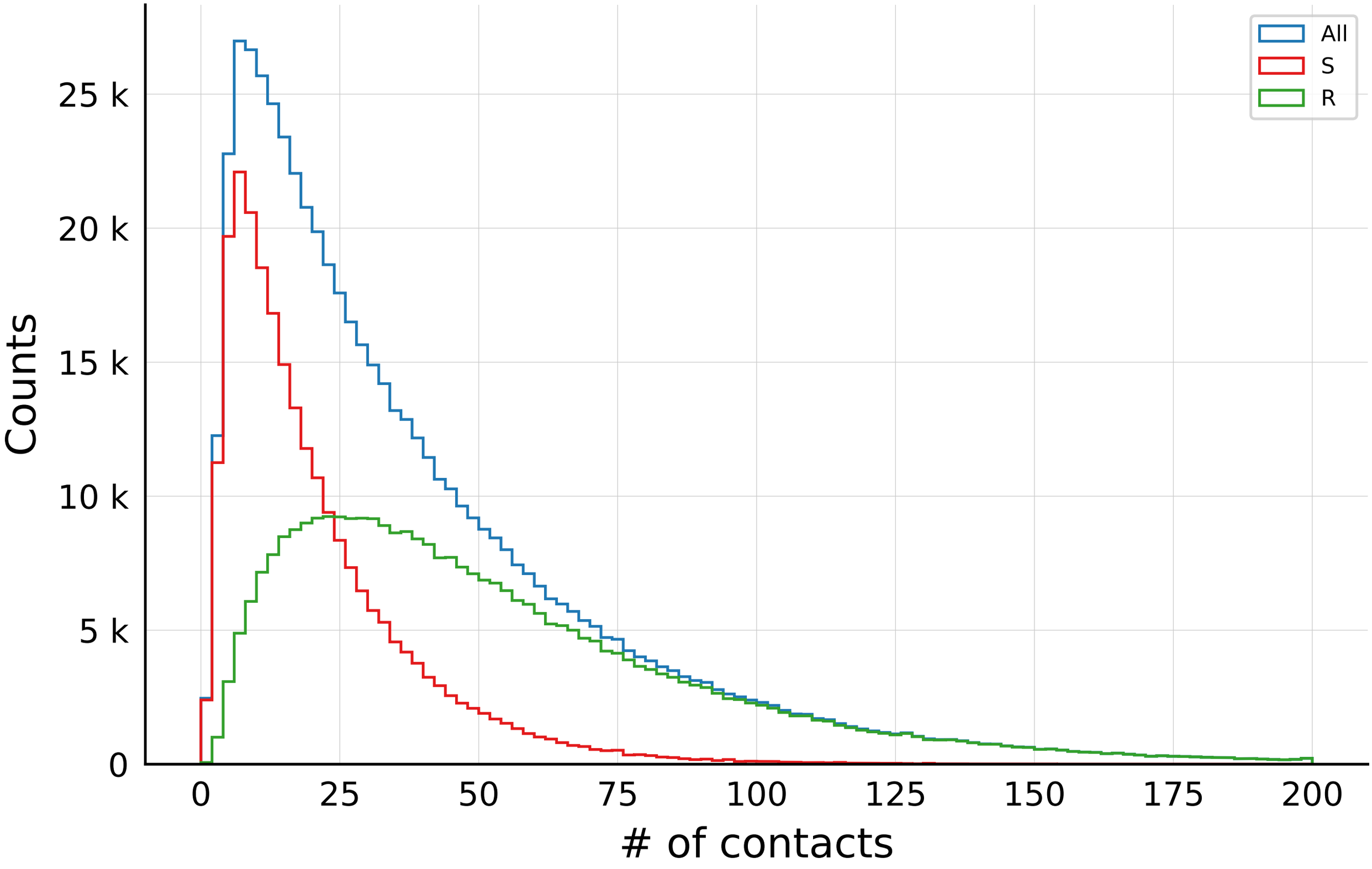
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.75,\ \beta = 0.01,\ \sigma_\beta = 1.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 1.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 1.0,\ \beta = 0.01,\ \sigma_\beta = 0.25$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 1.0,\ \beta = 0.01,\ \sigma_\beta = 0.5$$
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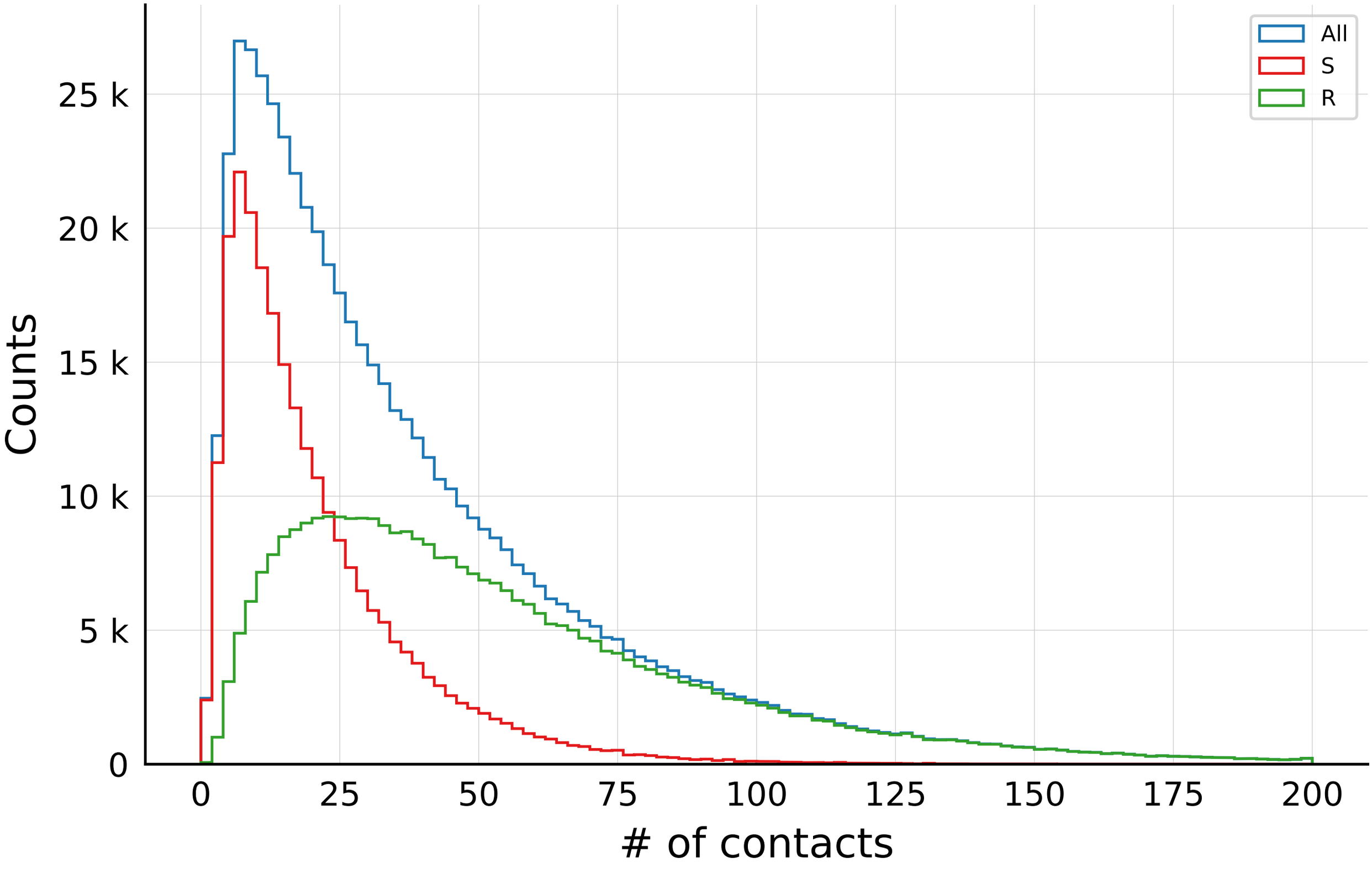
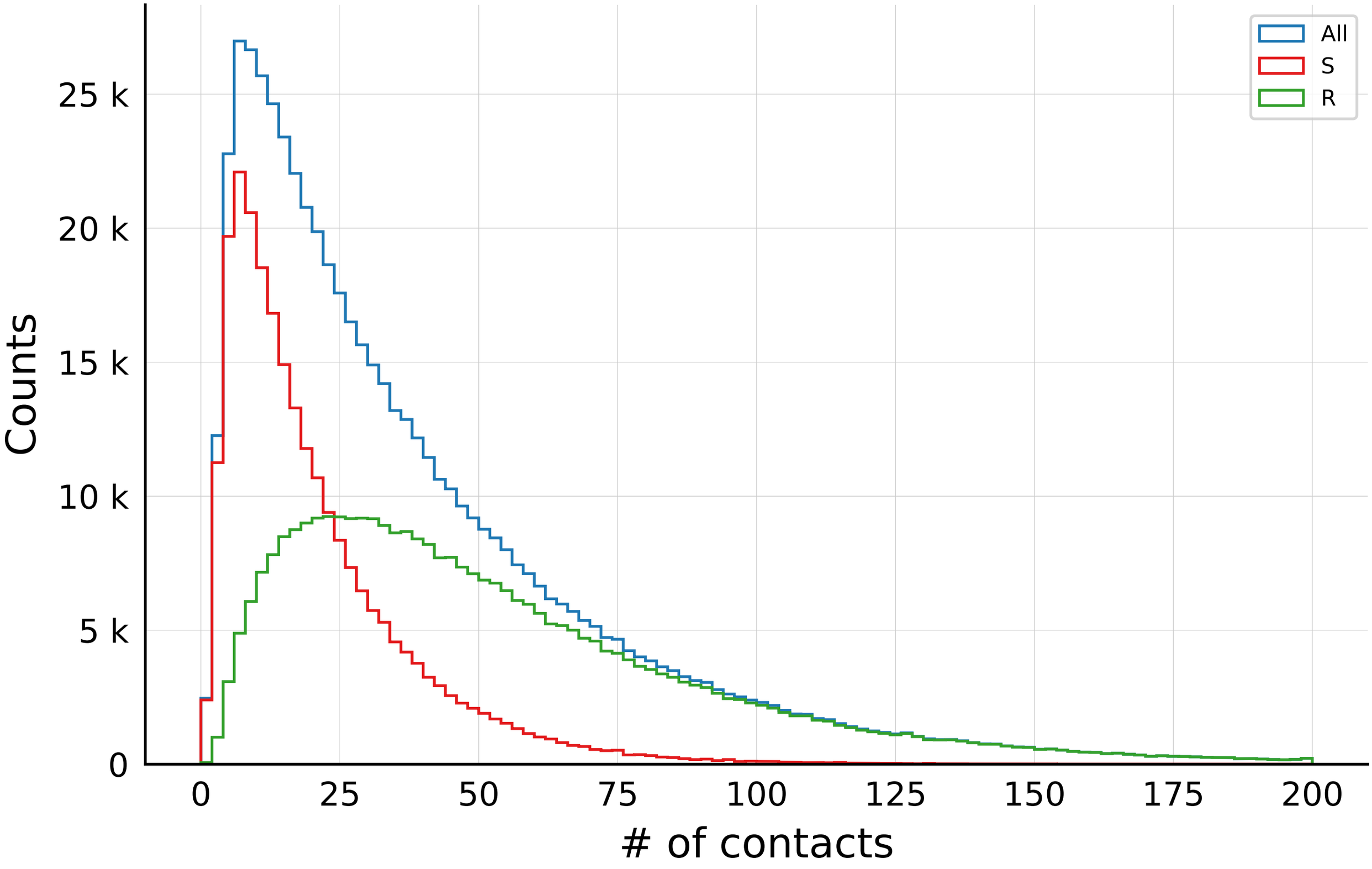
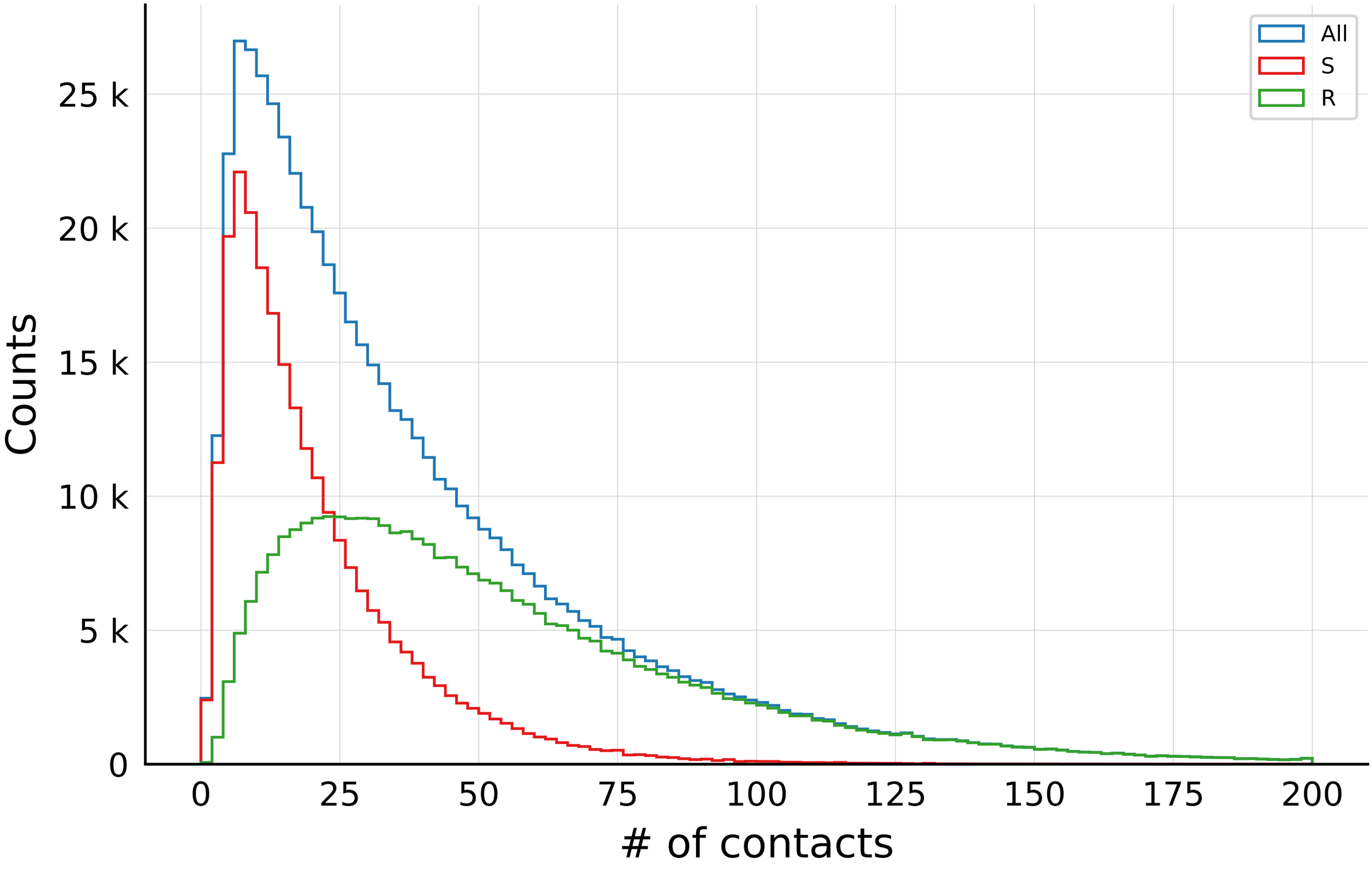


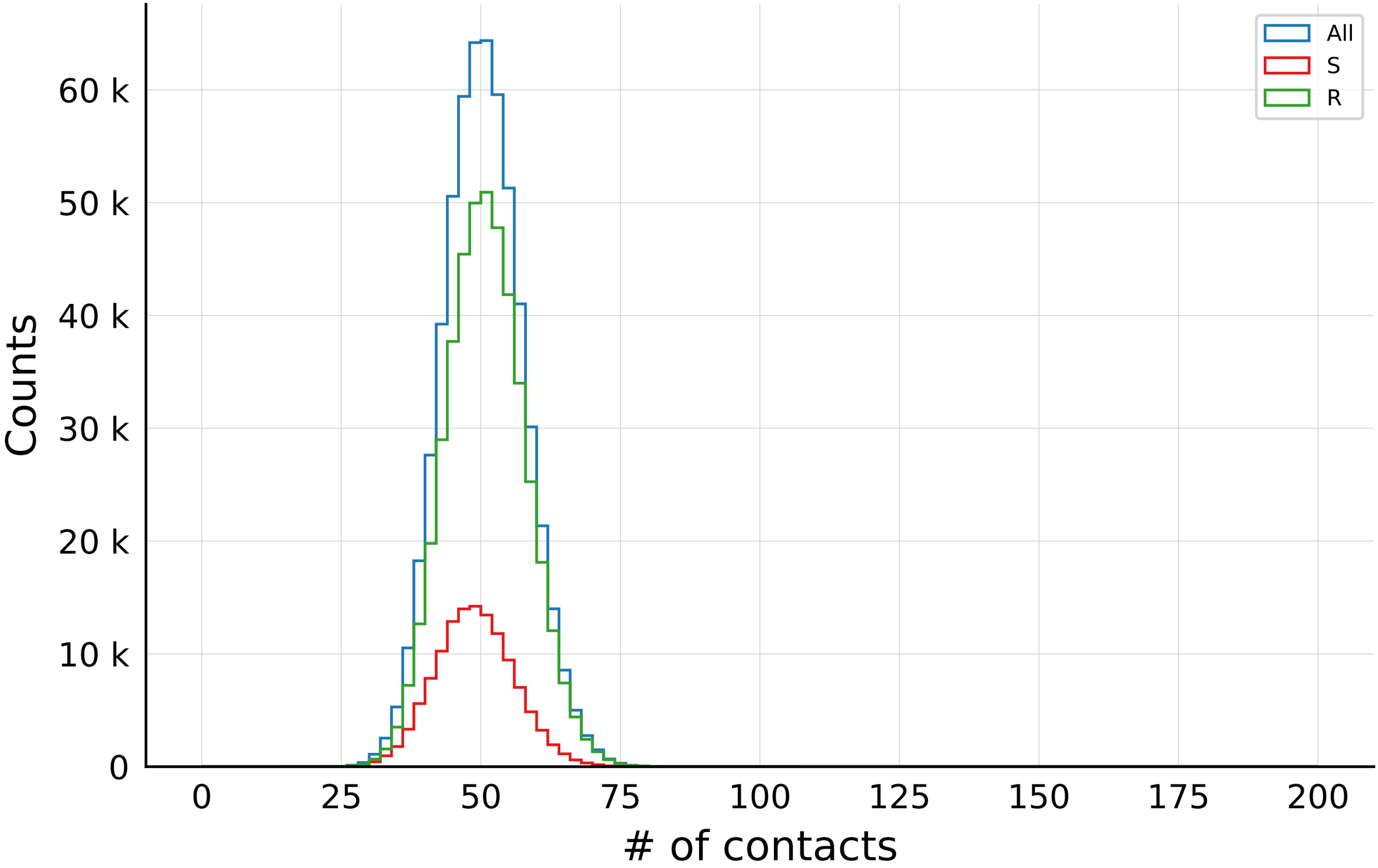
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 1.0,\ \beta = 0.01,\ \sigma_\beta = 0.75$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



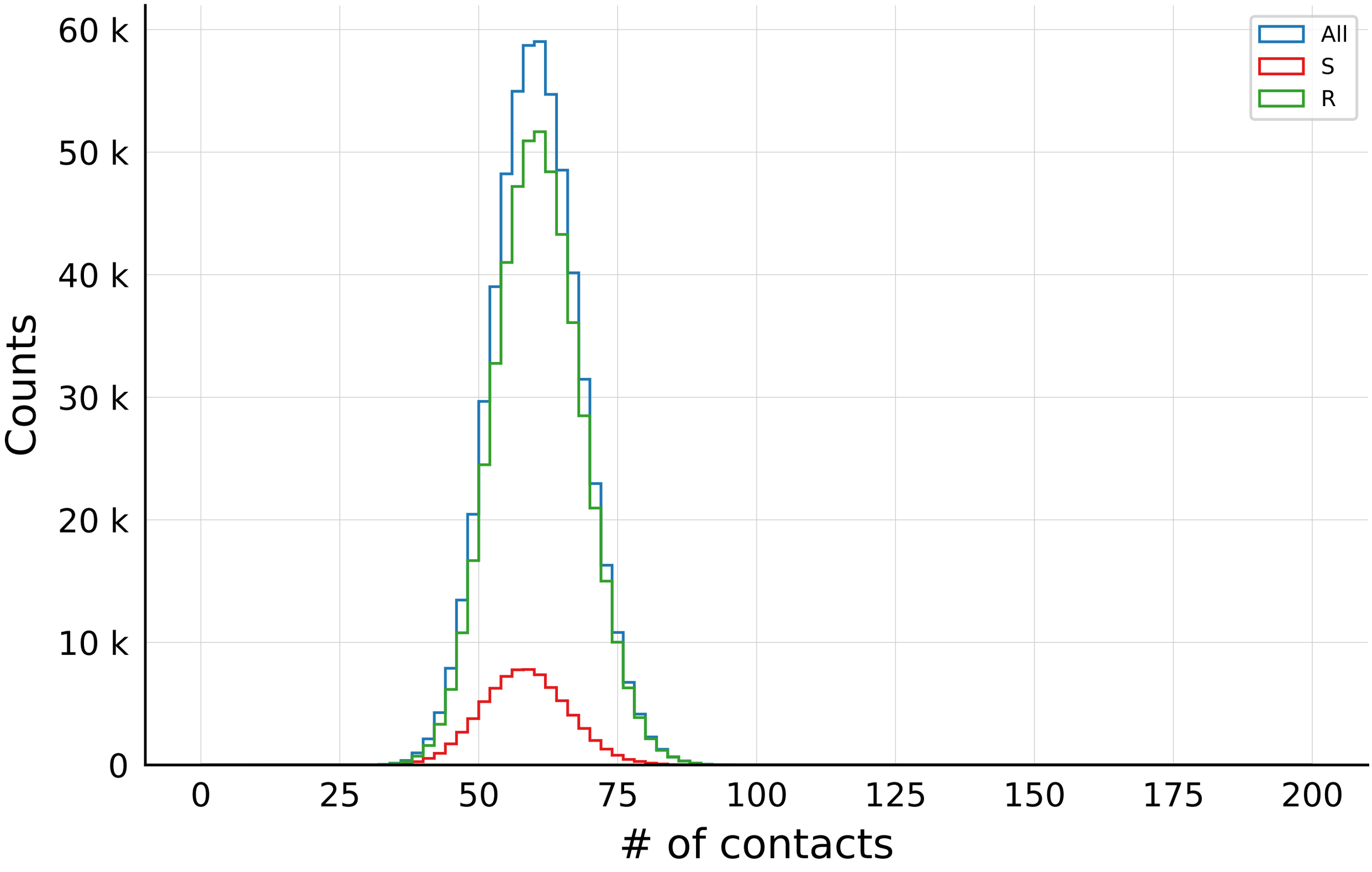
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 1.0,\ \beta = 0.01,\ \sigma_\beta = 1.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



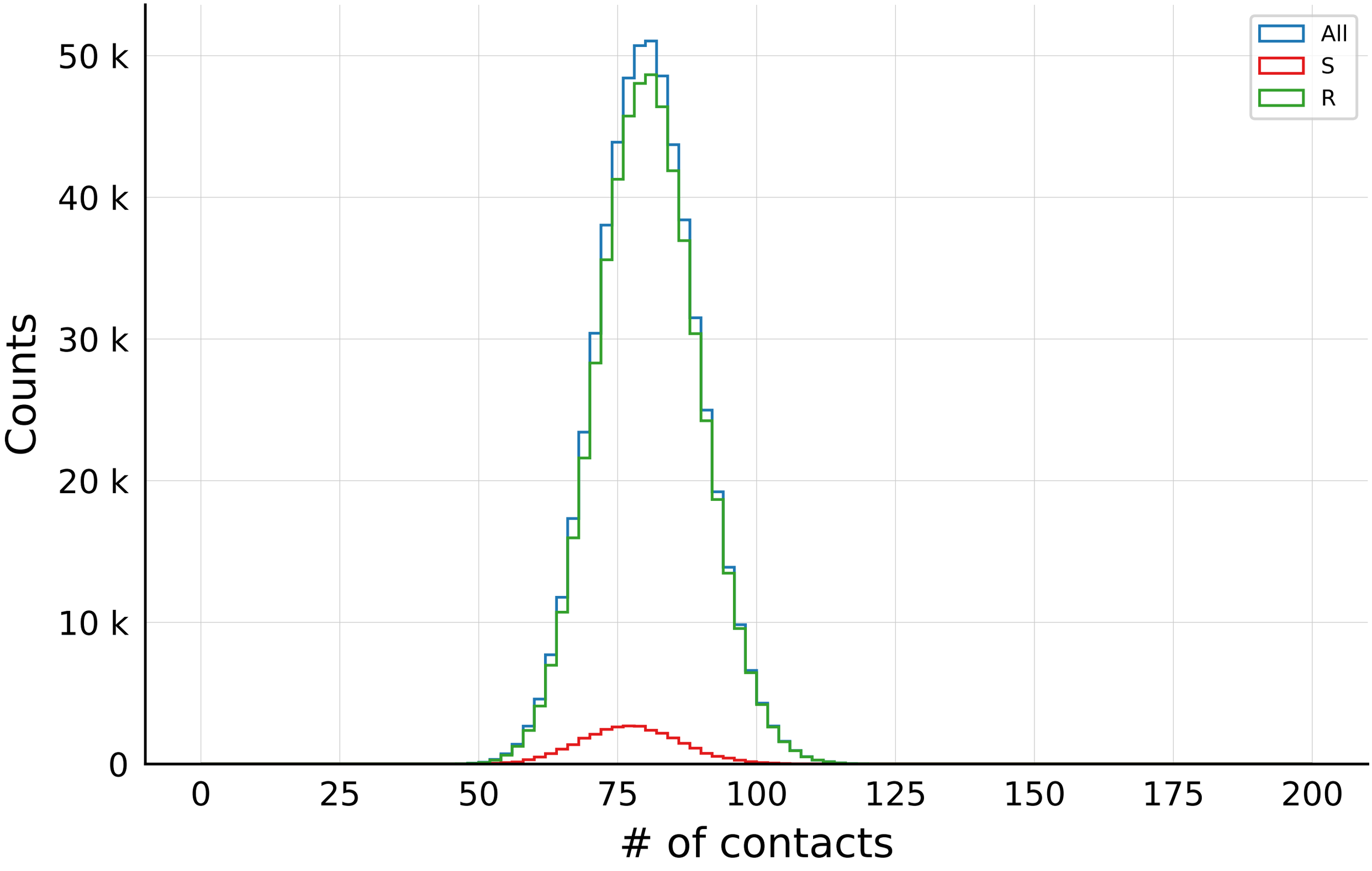
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 50.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



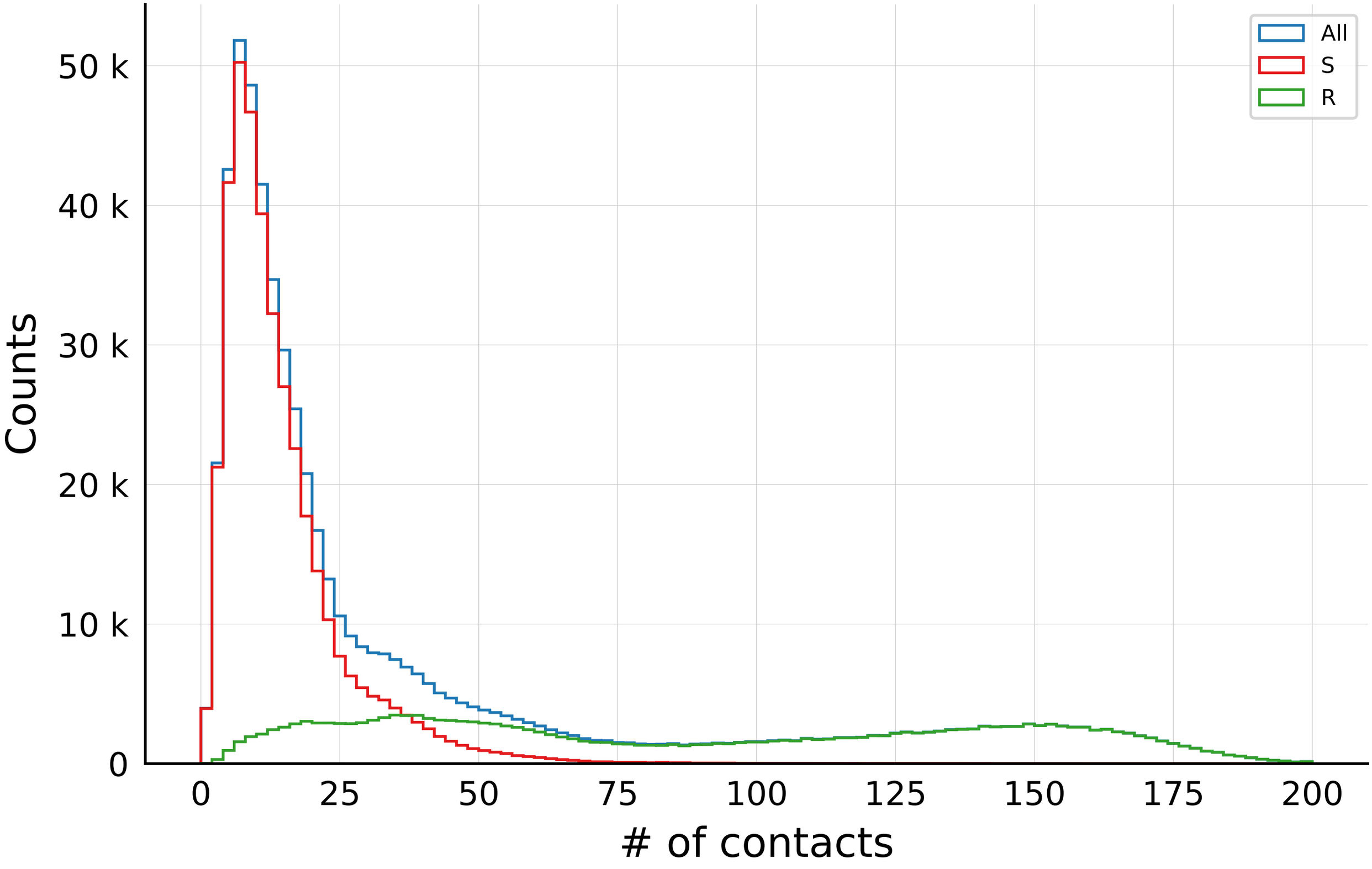
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 60.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



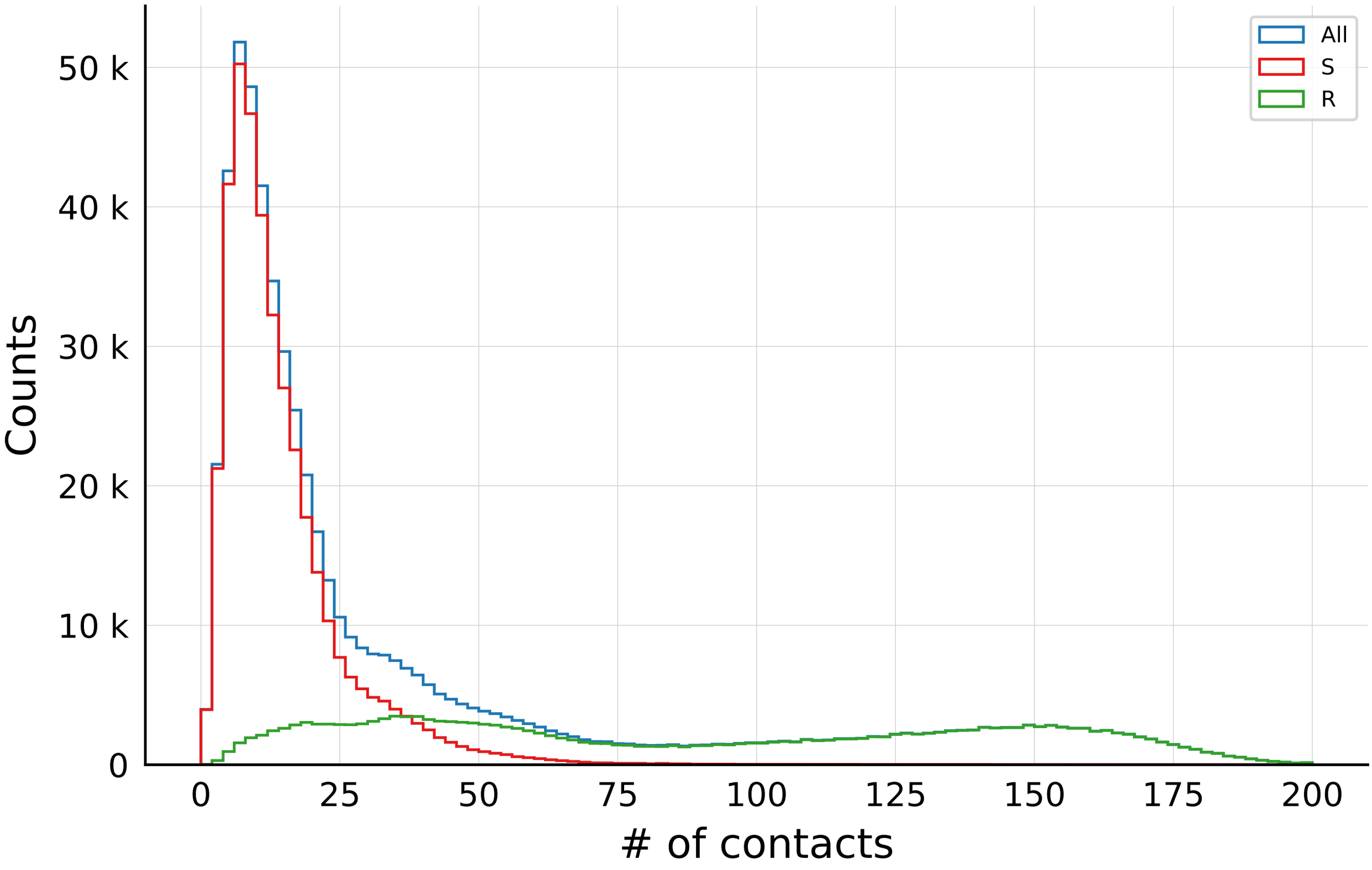
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 80.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



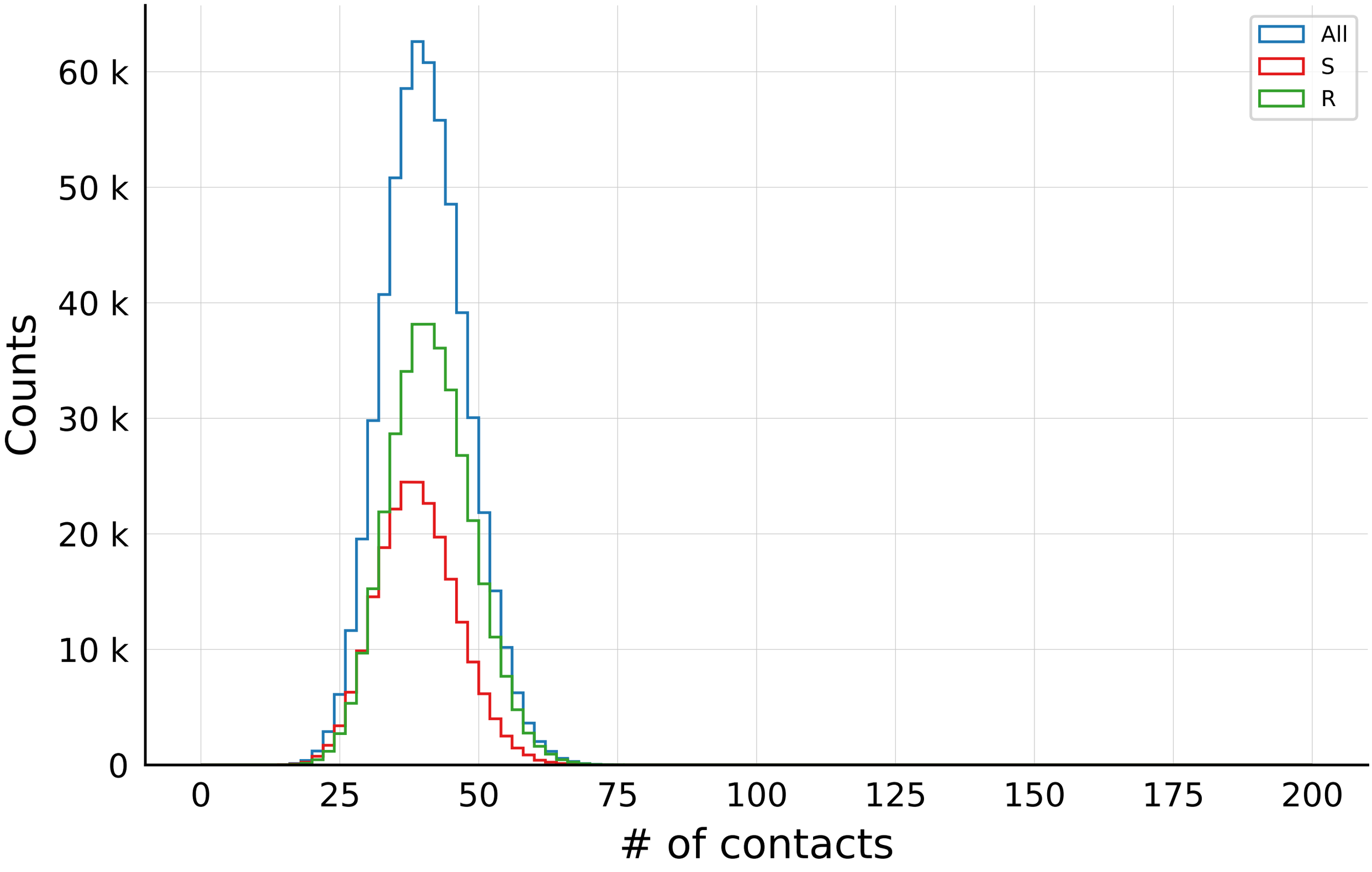
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.15,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.005,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



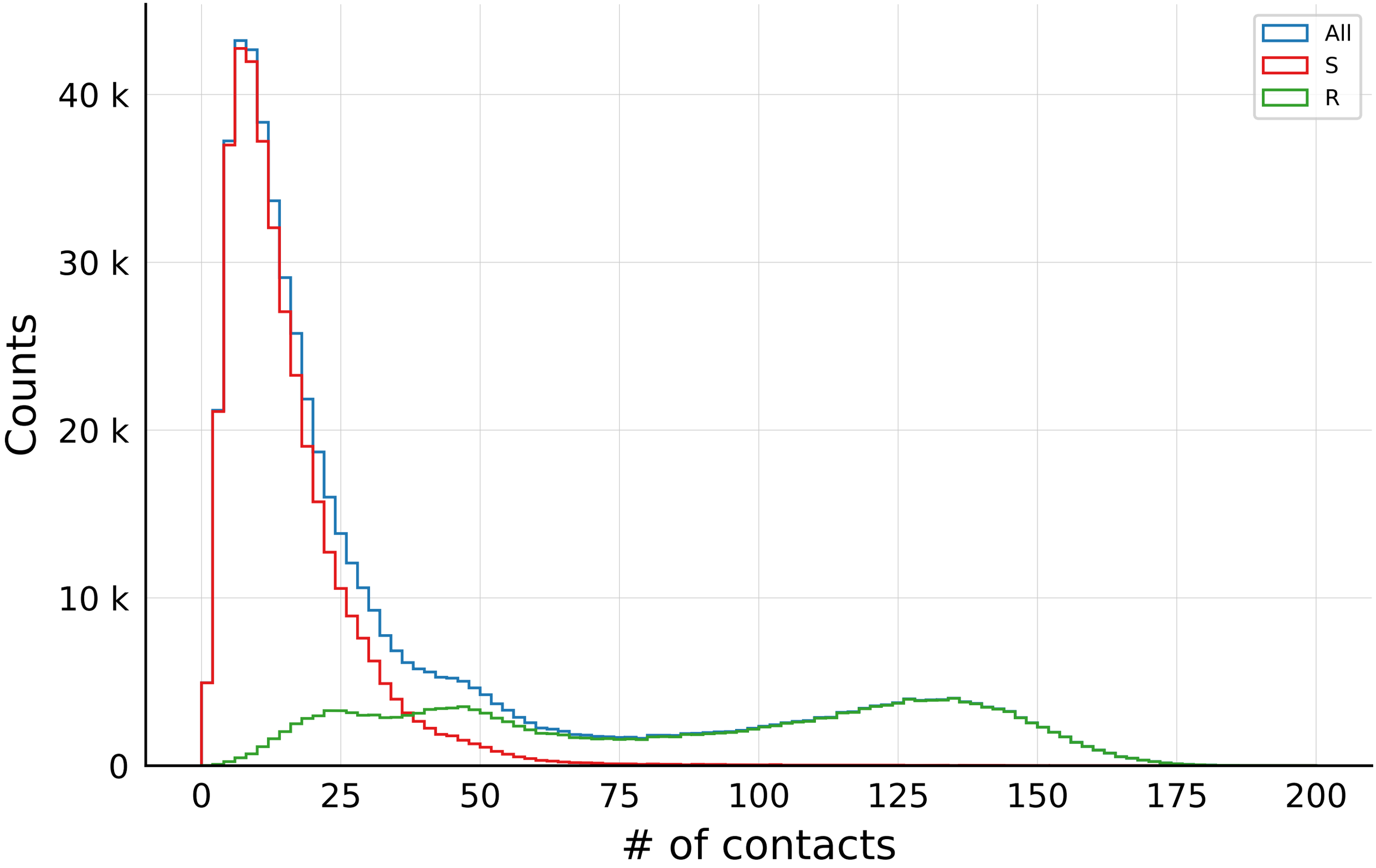
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.15,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



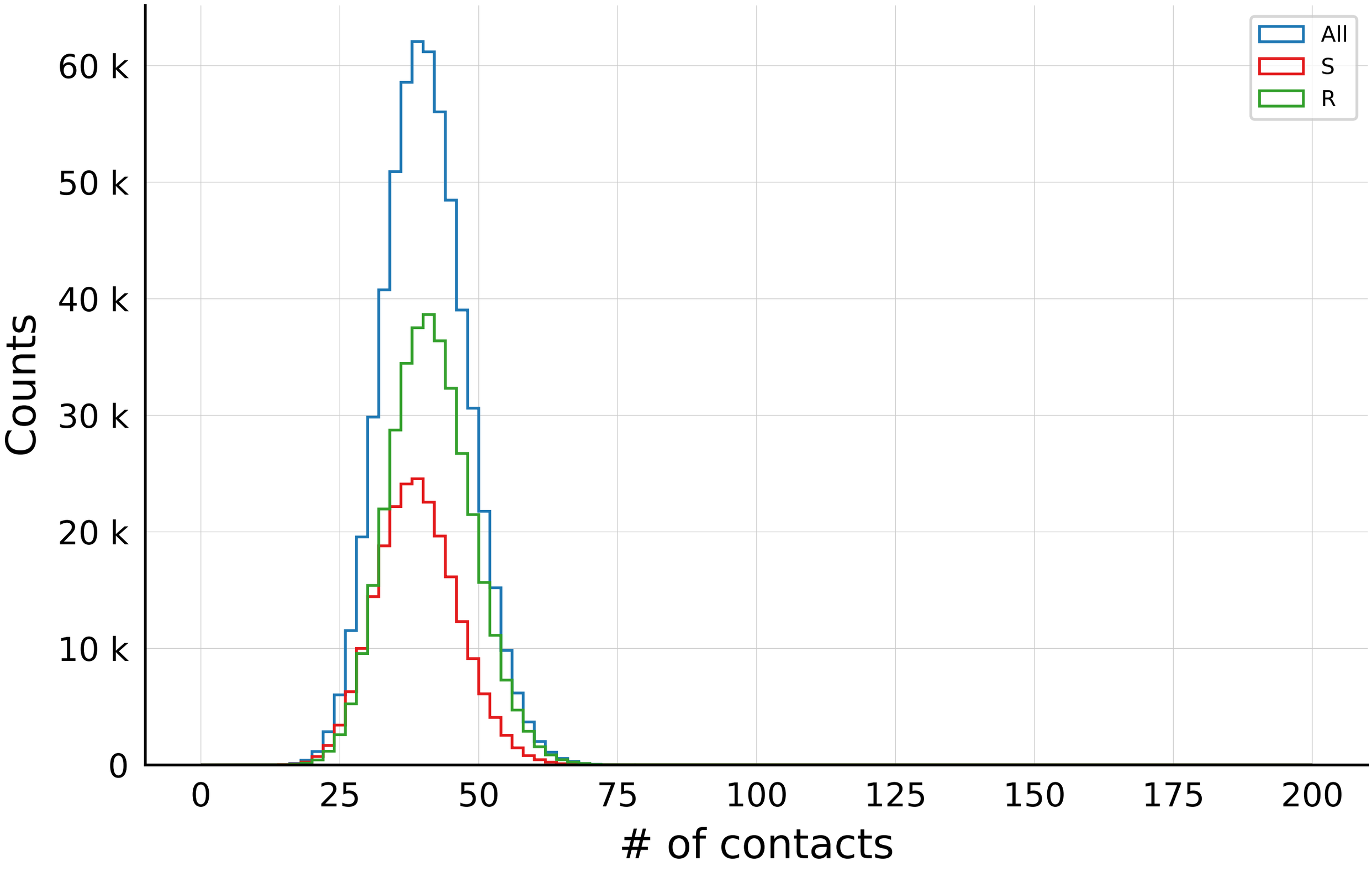
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.005,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 1,\ ID = 0$$



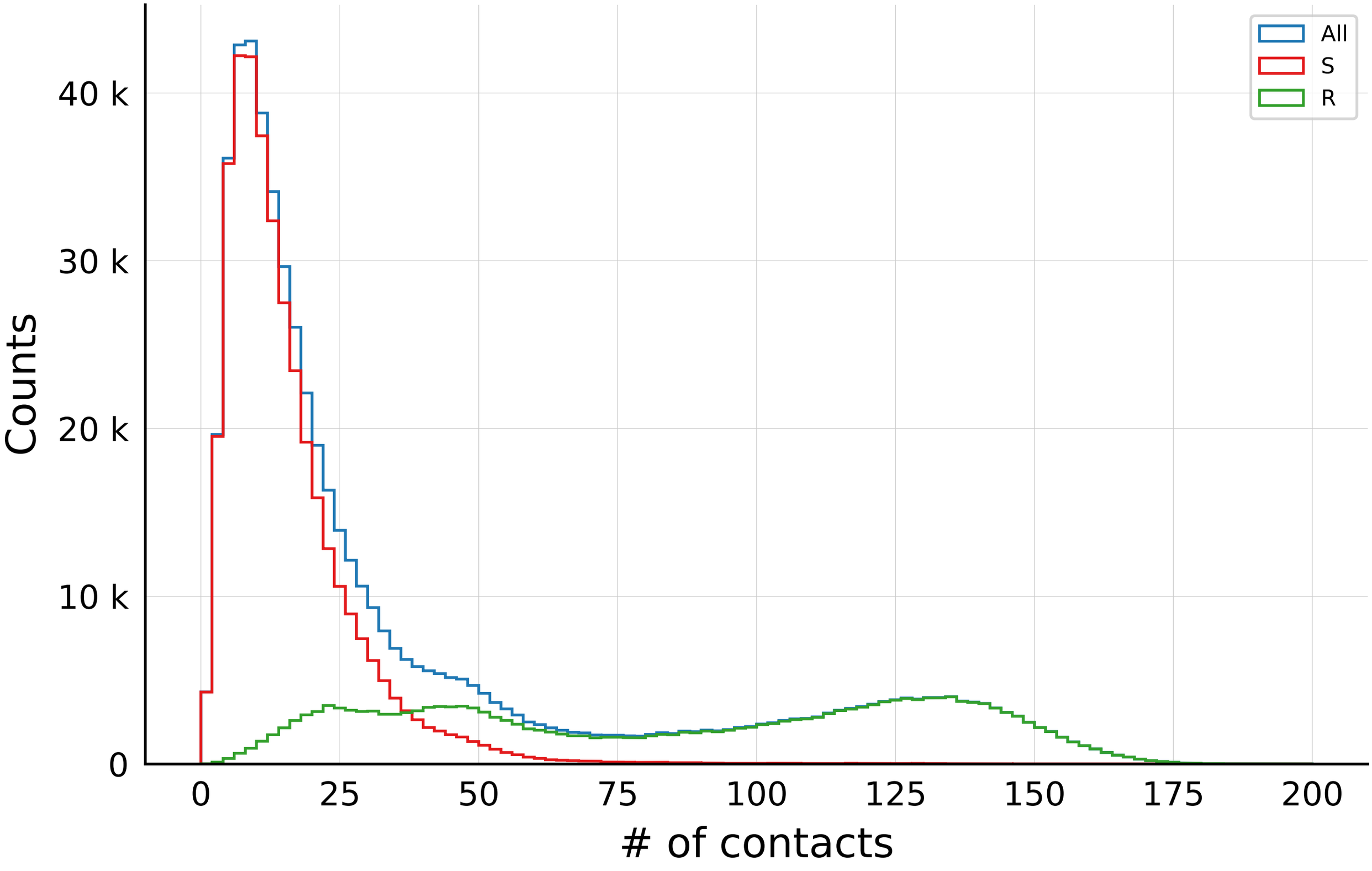
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.005,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



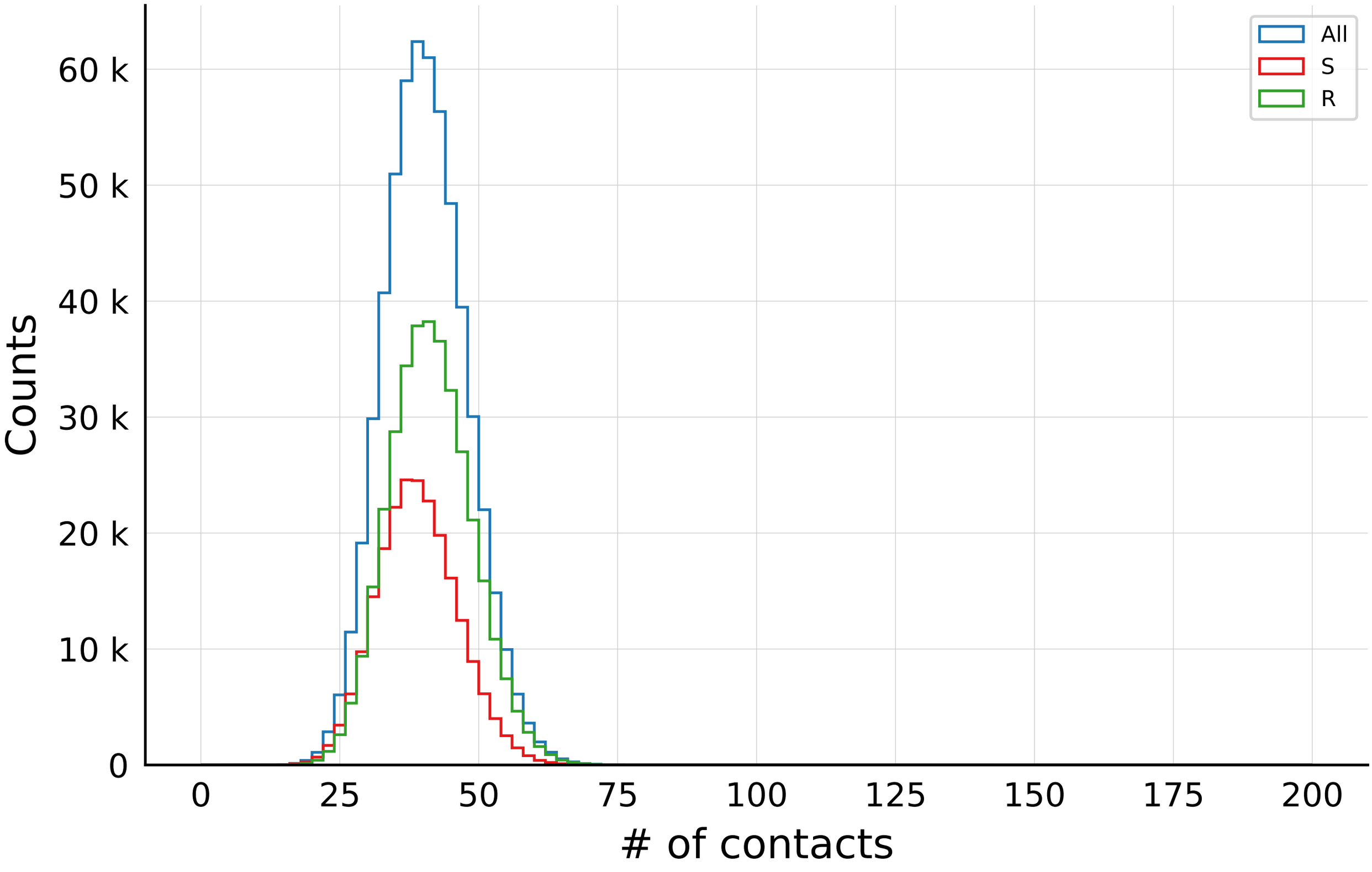
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.01,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 1,\ ID = 0$$



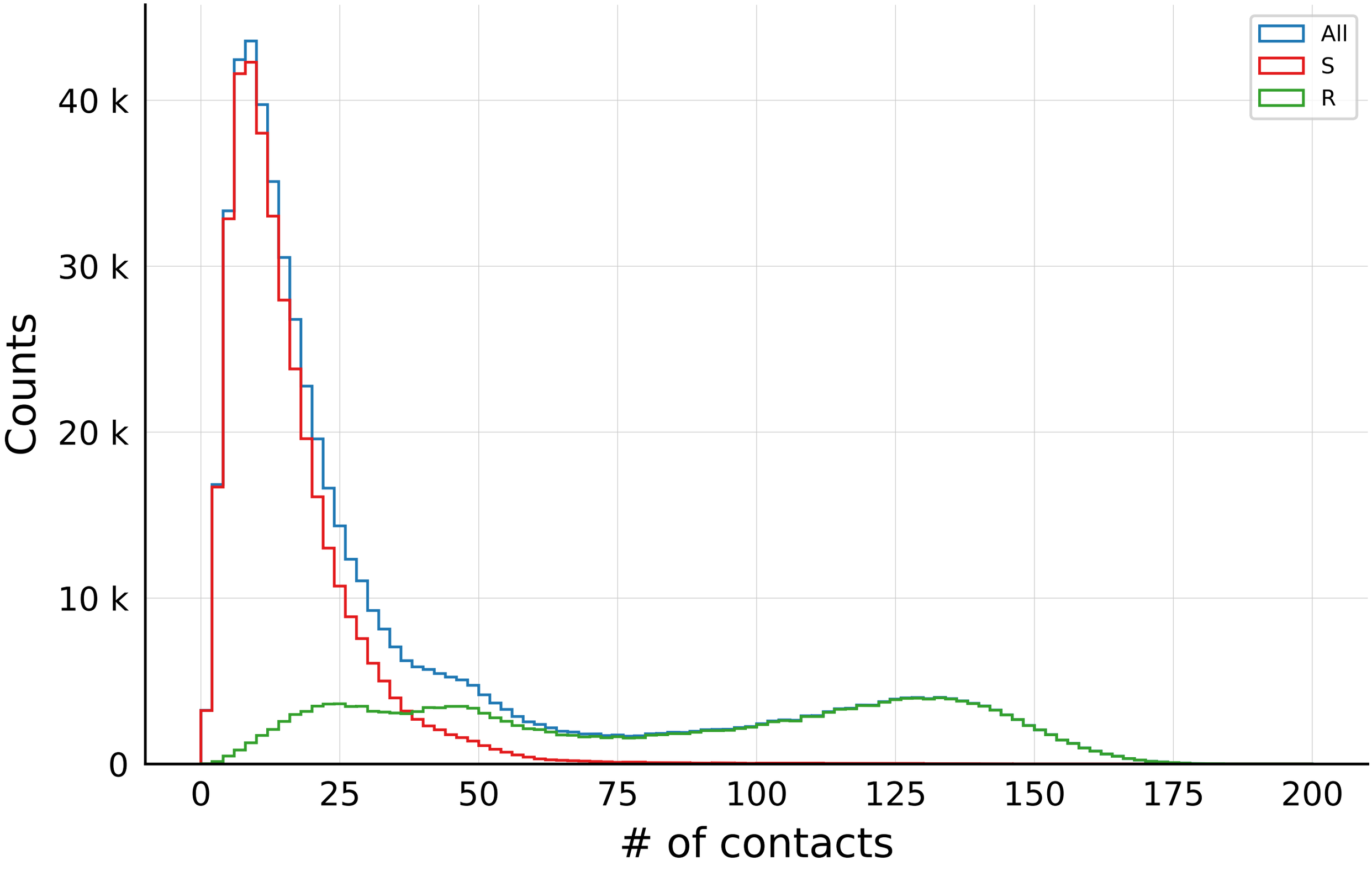
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.01,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



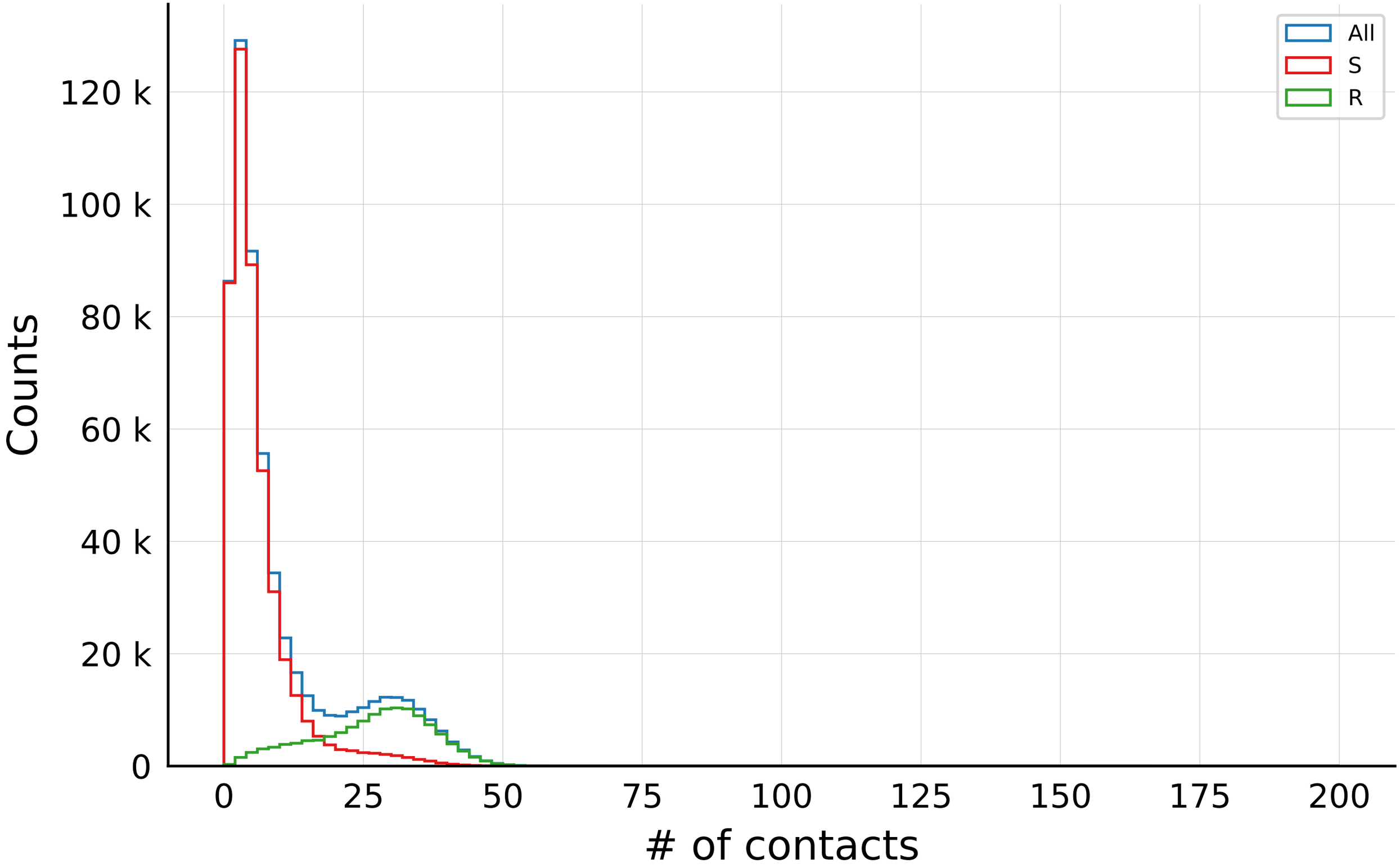
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.02,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 1,\ ID = 0$$



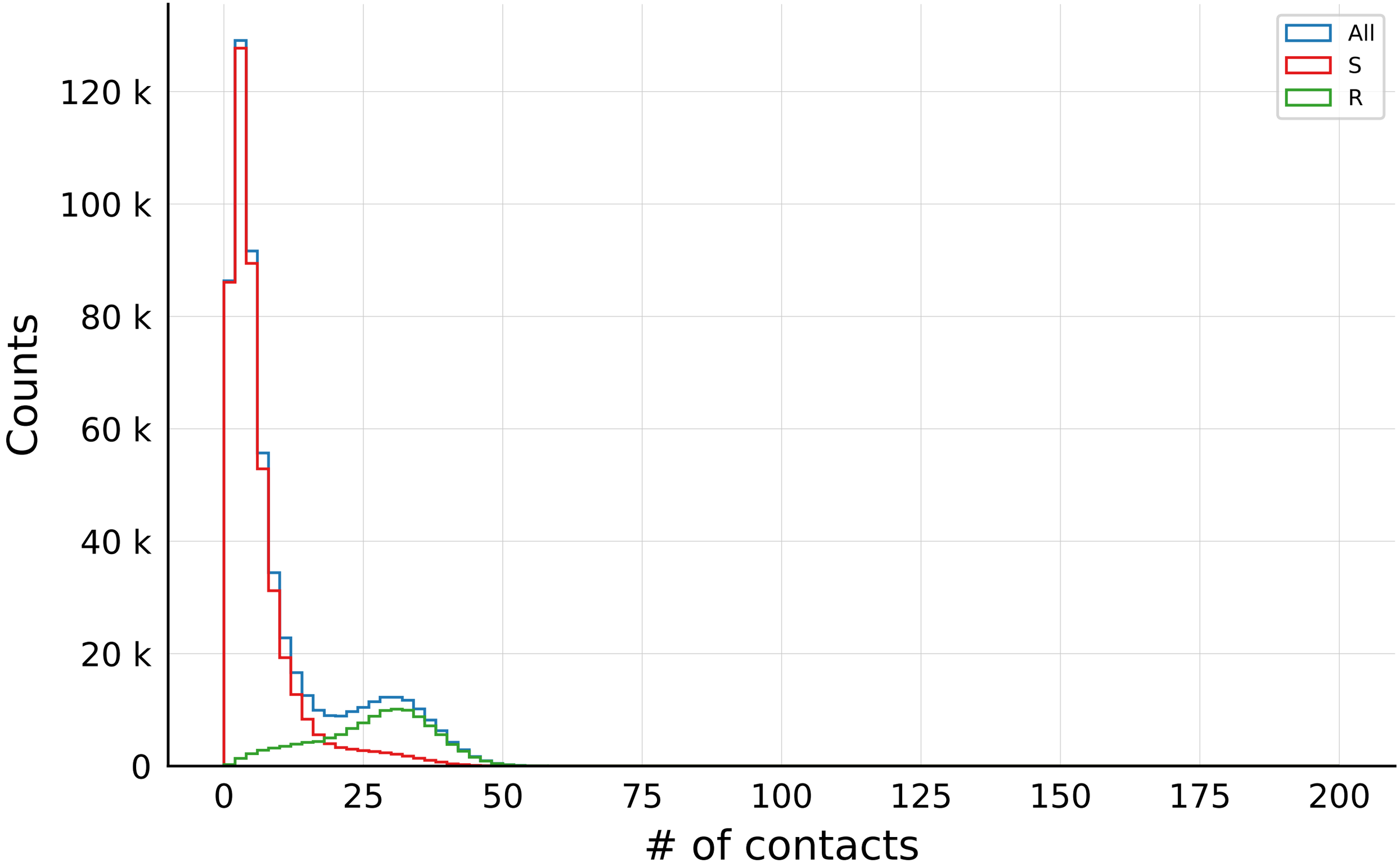
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.02,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



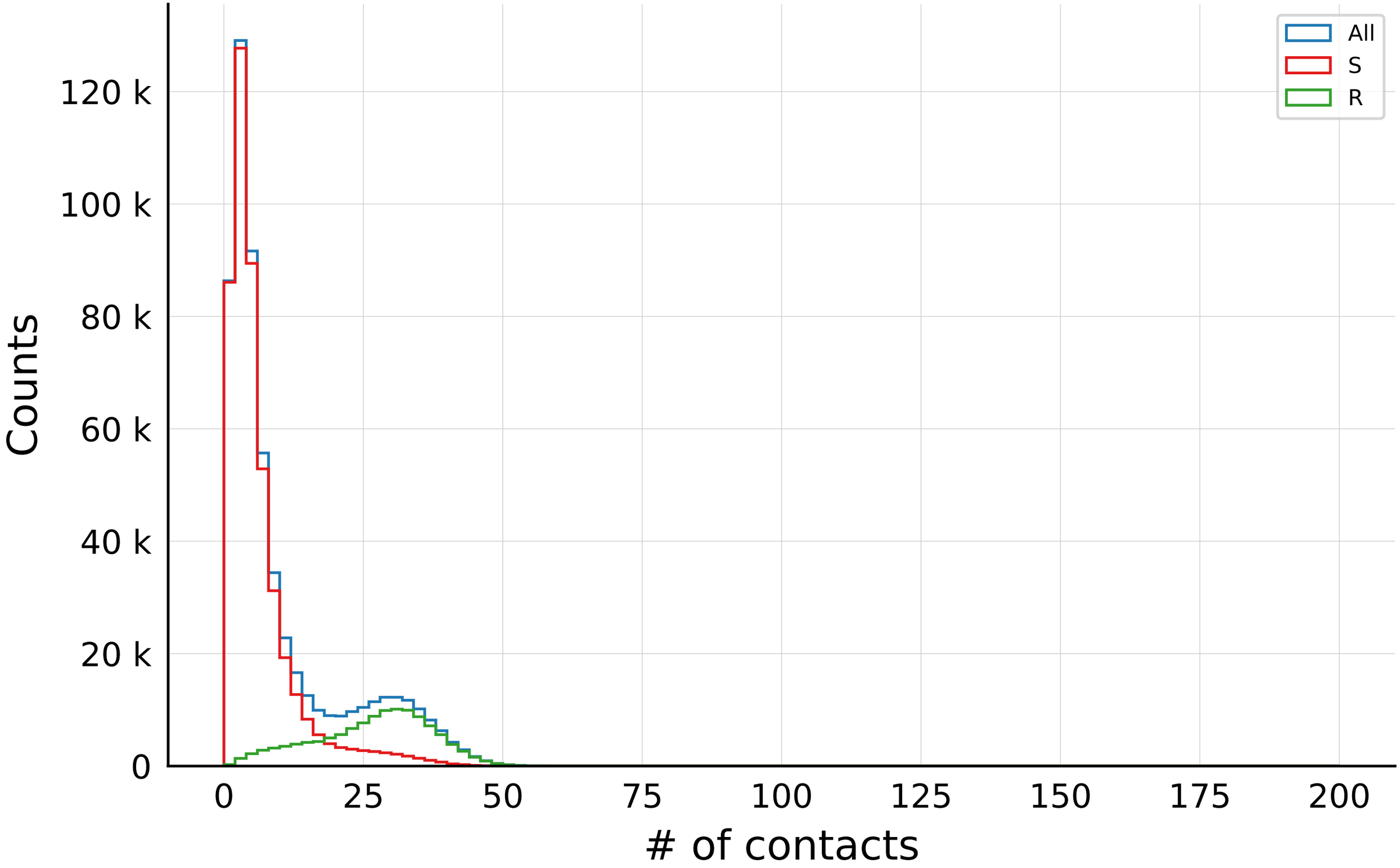
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 10.0,\ \sigma_\mu = 0.0,\ \beta = 0.02,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



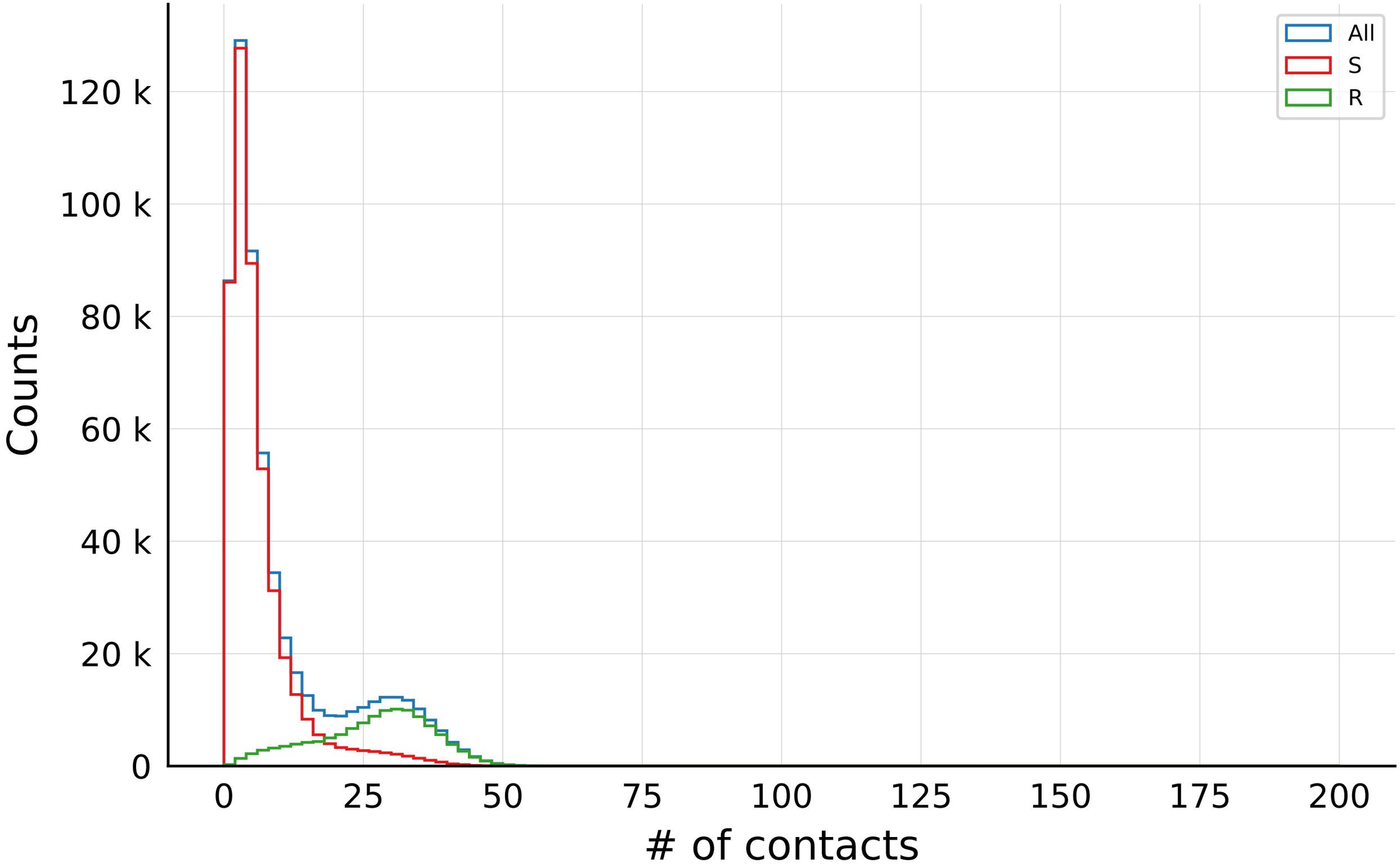
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 10.0,\ \sigma_\mu = 0.0,\ \beta = 0.02,\ \sigma_\beta = 1.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



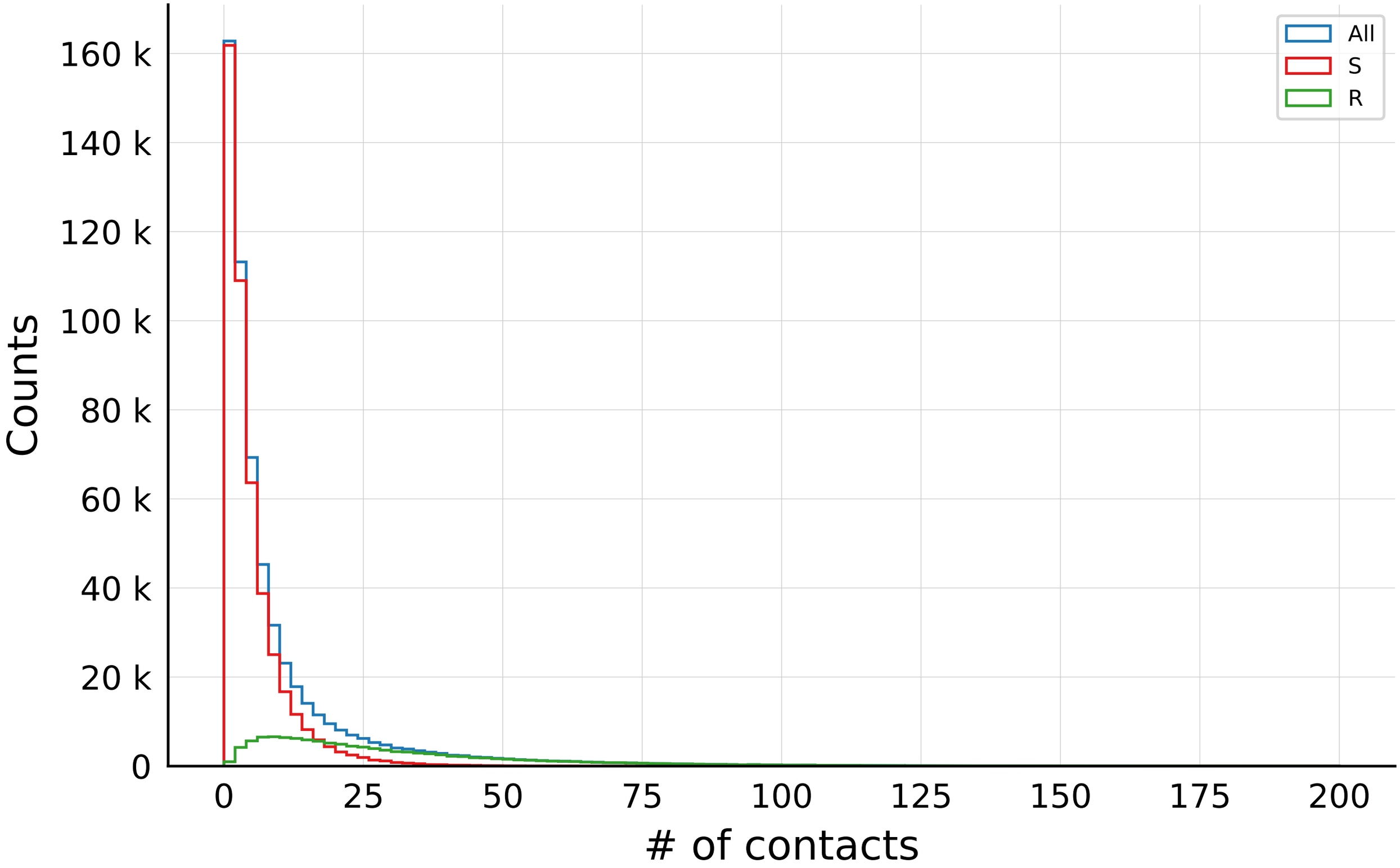
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 10.0,\ \sigma_\mu = 0.0,\ \beta = 0.04,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 10.0,\ \sigma_\mu = 0.0,\ \beta = 0.04,\ \sigma_\beta = 1.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 10.0,\ \sigma_\mu = 1.0,\ \beta = 0.02,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 10.0,\ \sigma_\mu = 1.0,\ \beta = 0.02,\ \sigma_\beta = 1.0$$
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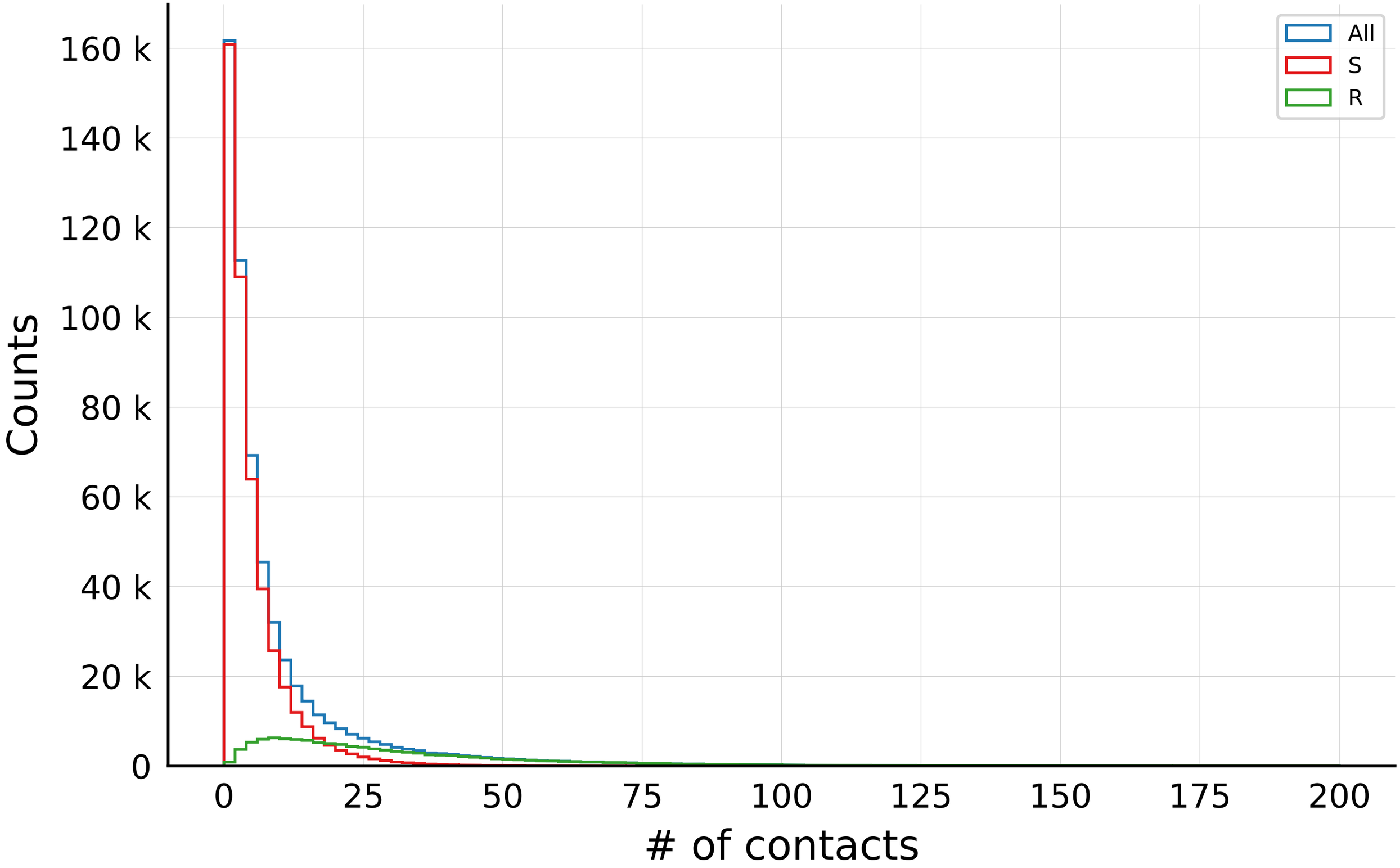
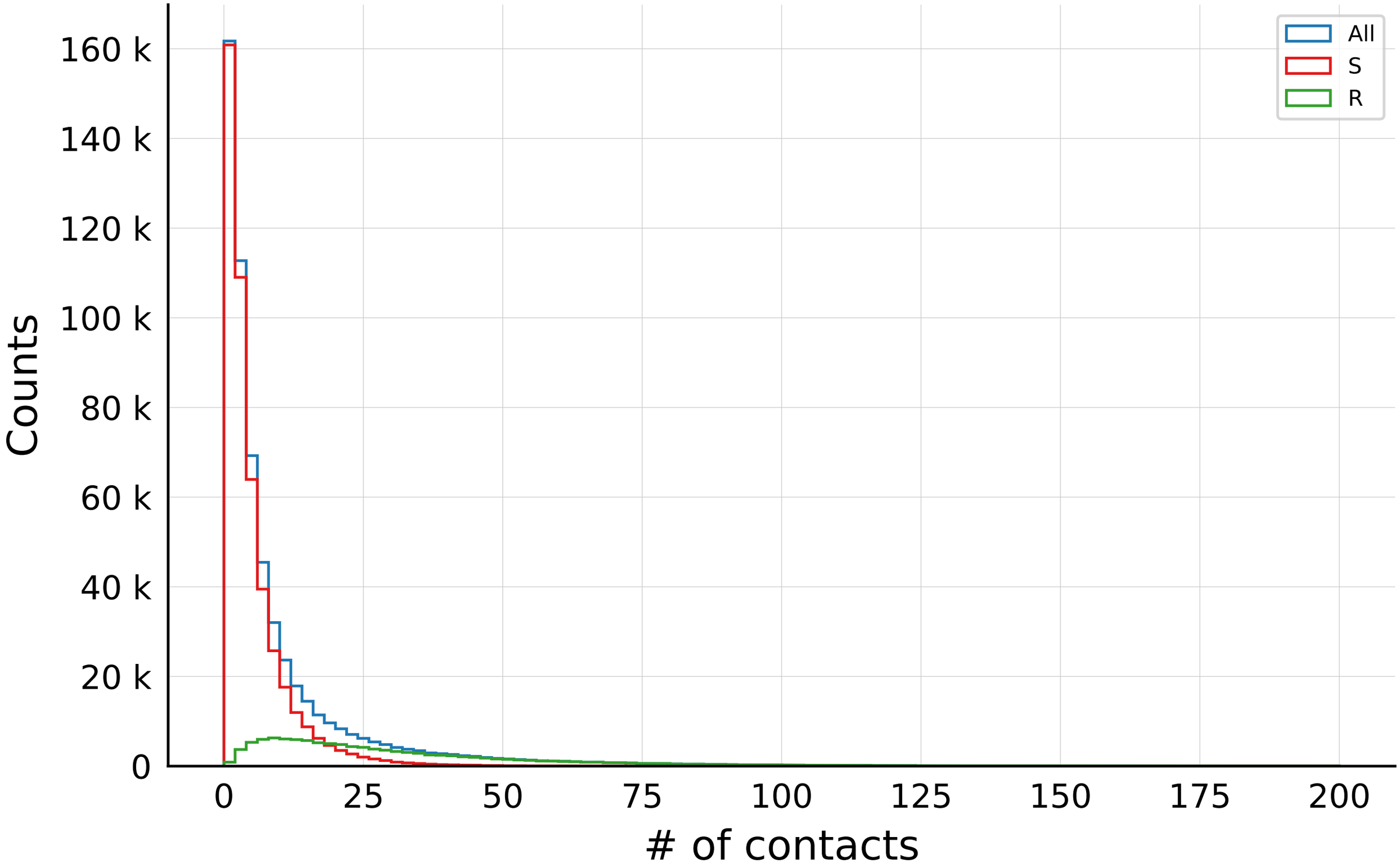
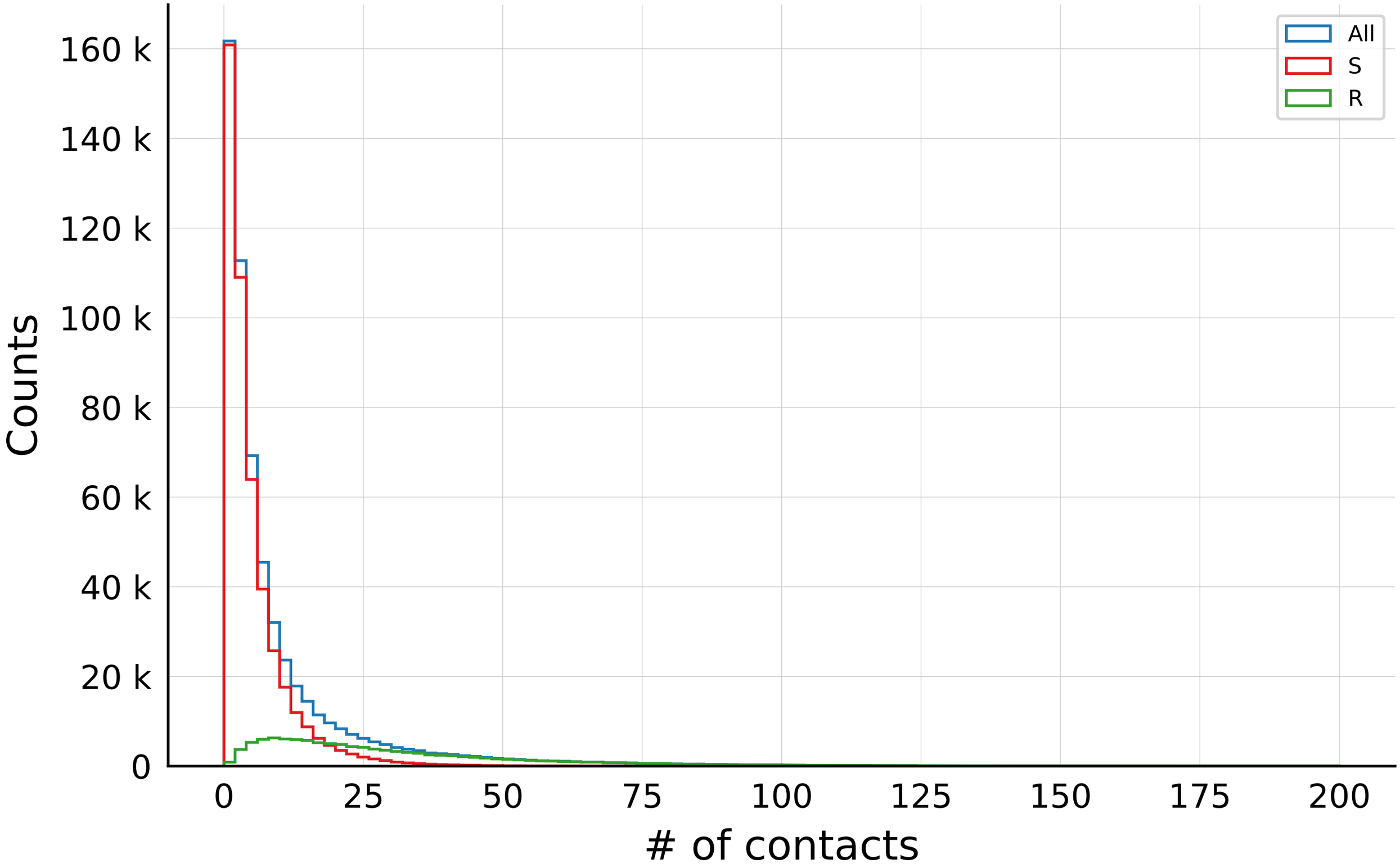


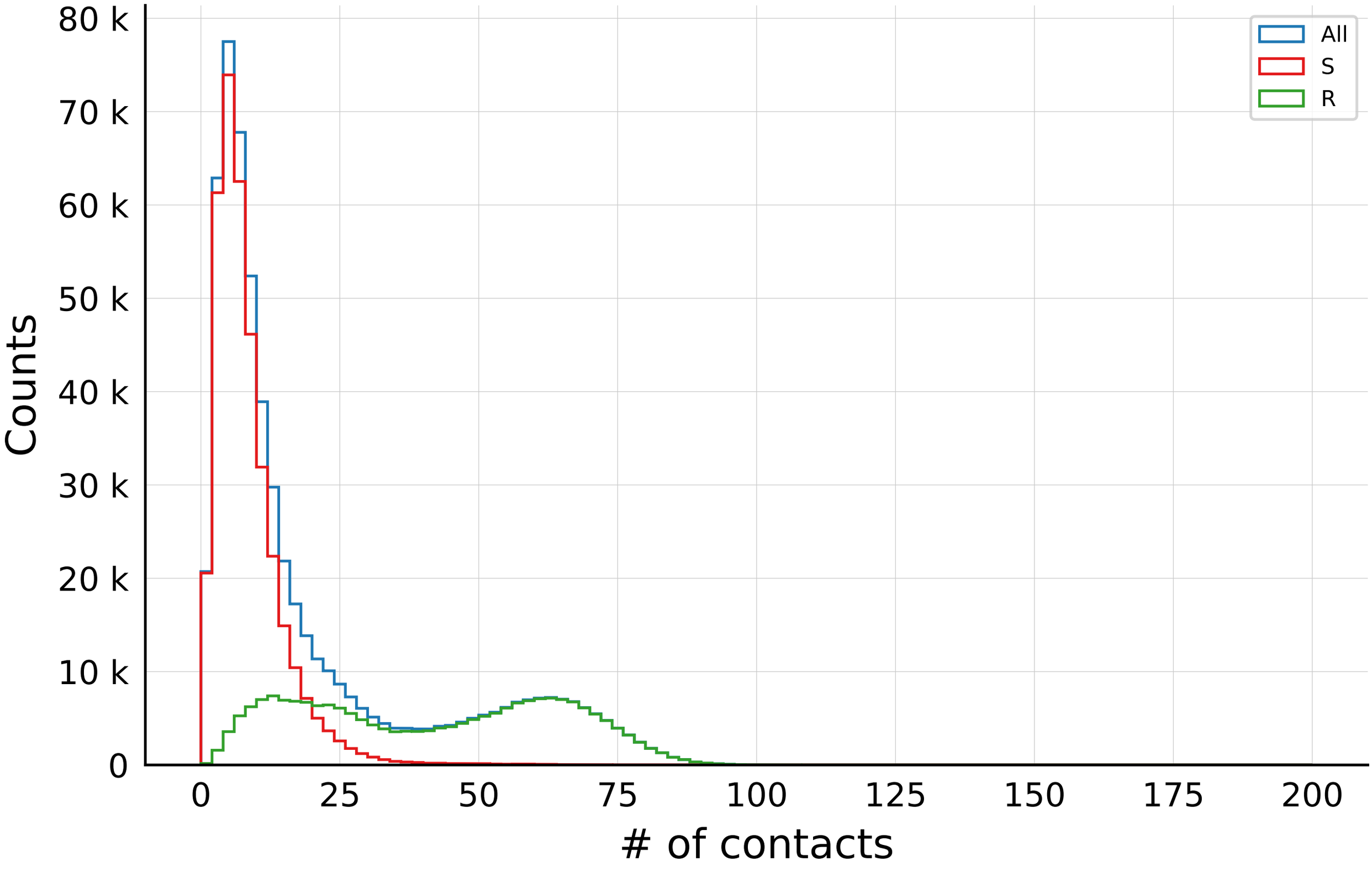
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 10.0,\ \sigma_\mu = 1.0,\ \beta = 0.04,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



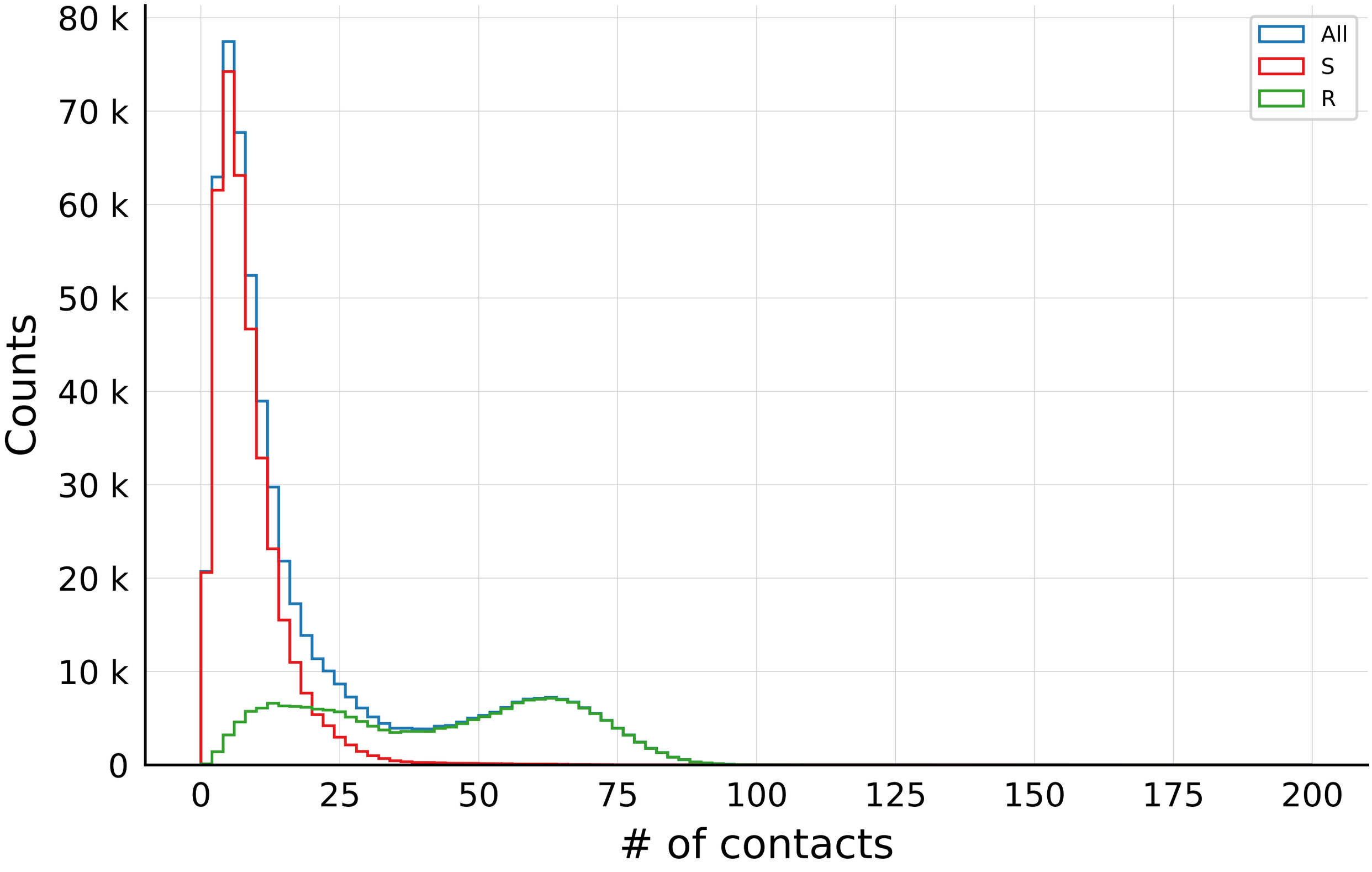
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 10.0,\ \sigma_\mu = 1.0,\ \beta = 0.04,\ \sigma_\beta = 1.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



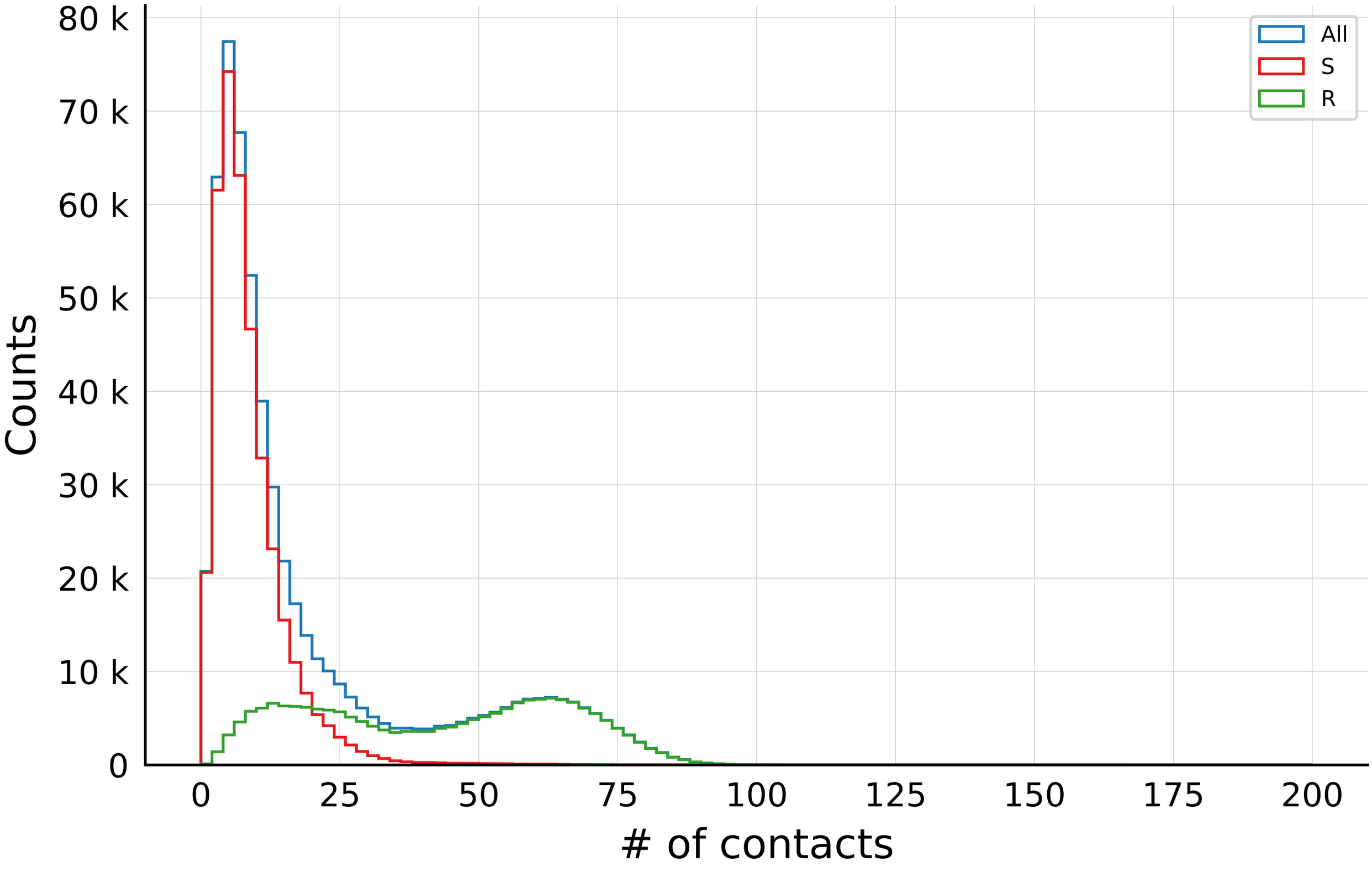
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 20.0,\ \sigma_\mu = 0.0,\ \beta = 0.02,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 20.0,\ \sigma_\mu = 0.0,\ \beta = 0.02,\ \sigma_\beta = 1.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 20.0,\ \sigma_\mu = 0.0,\ \beta = 0.04,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 20.0,\ \sigma_\mu = 0.0,\ \beta = 0.04,\ \sigma_\beta = 1.0$$
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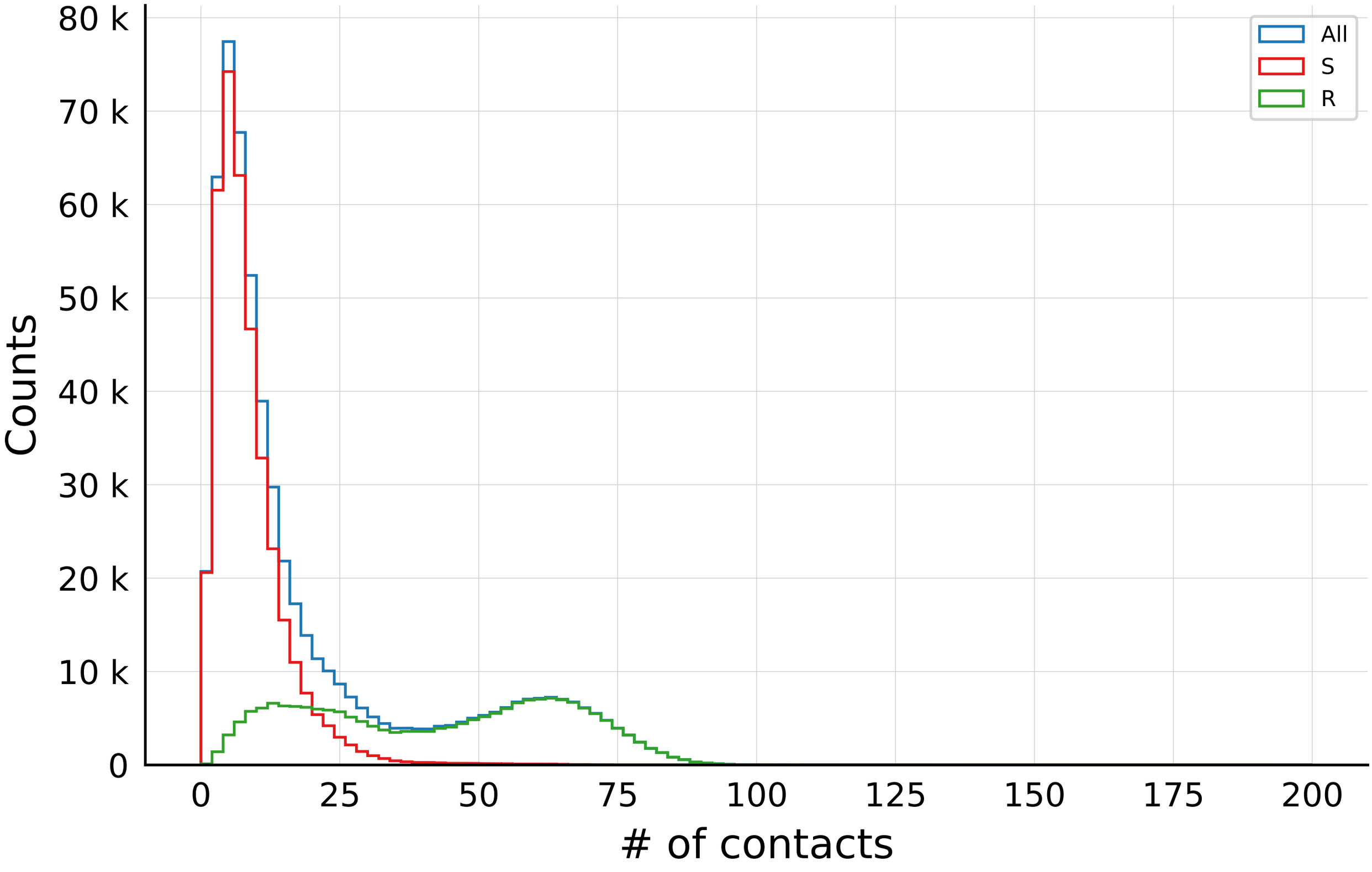
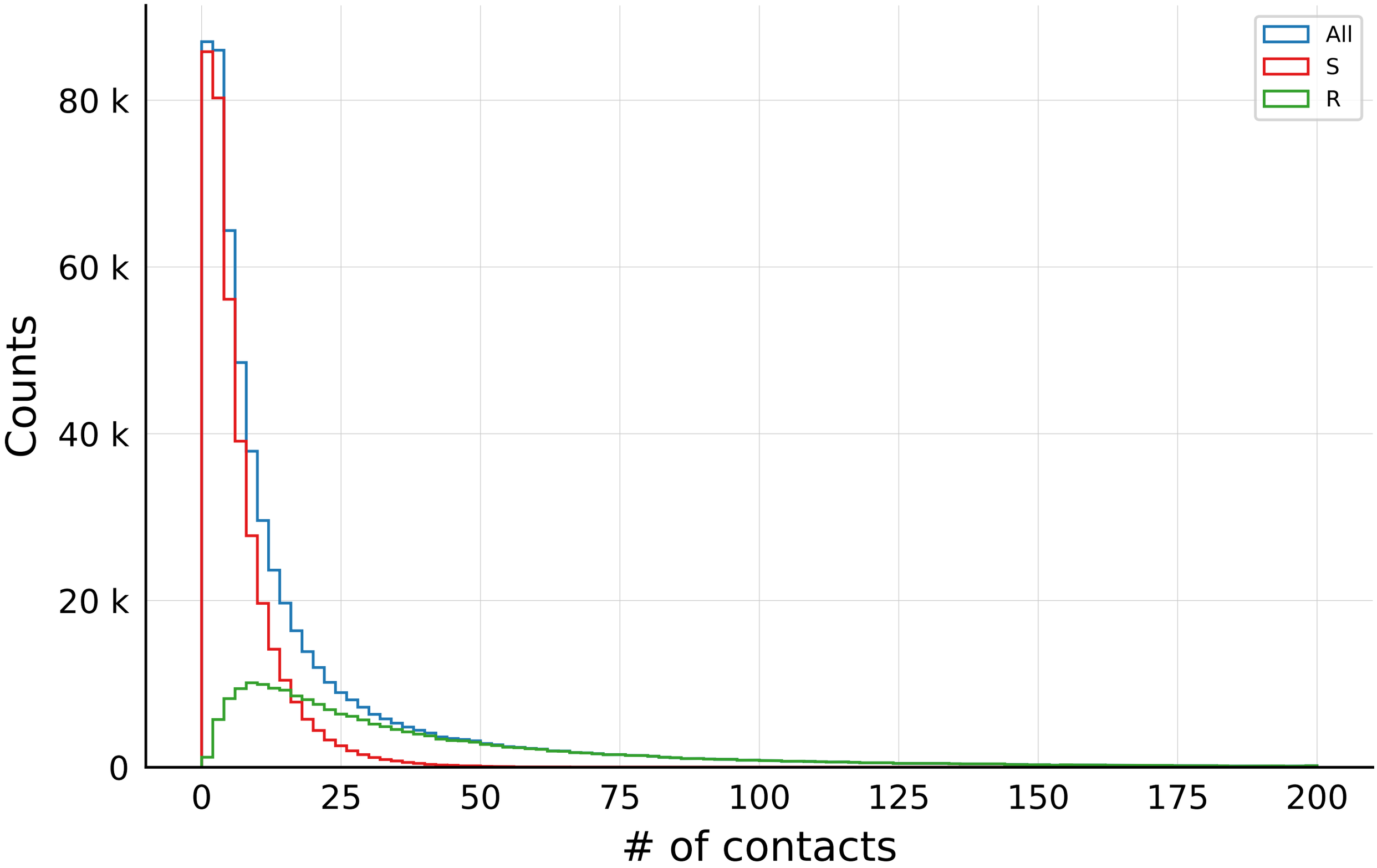


$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 20.0,\ \sigma_\mu = 1.0,\ \beta = 0.02,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 20.0,\ \sigma_\mu = 1.0,\ \beta = 0.02,\ \sigma_\beta = 1.0$$
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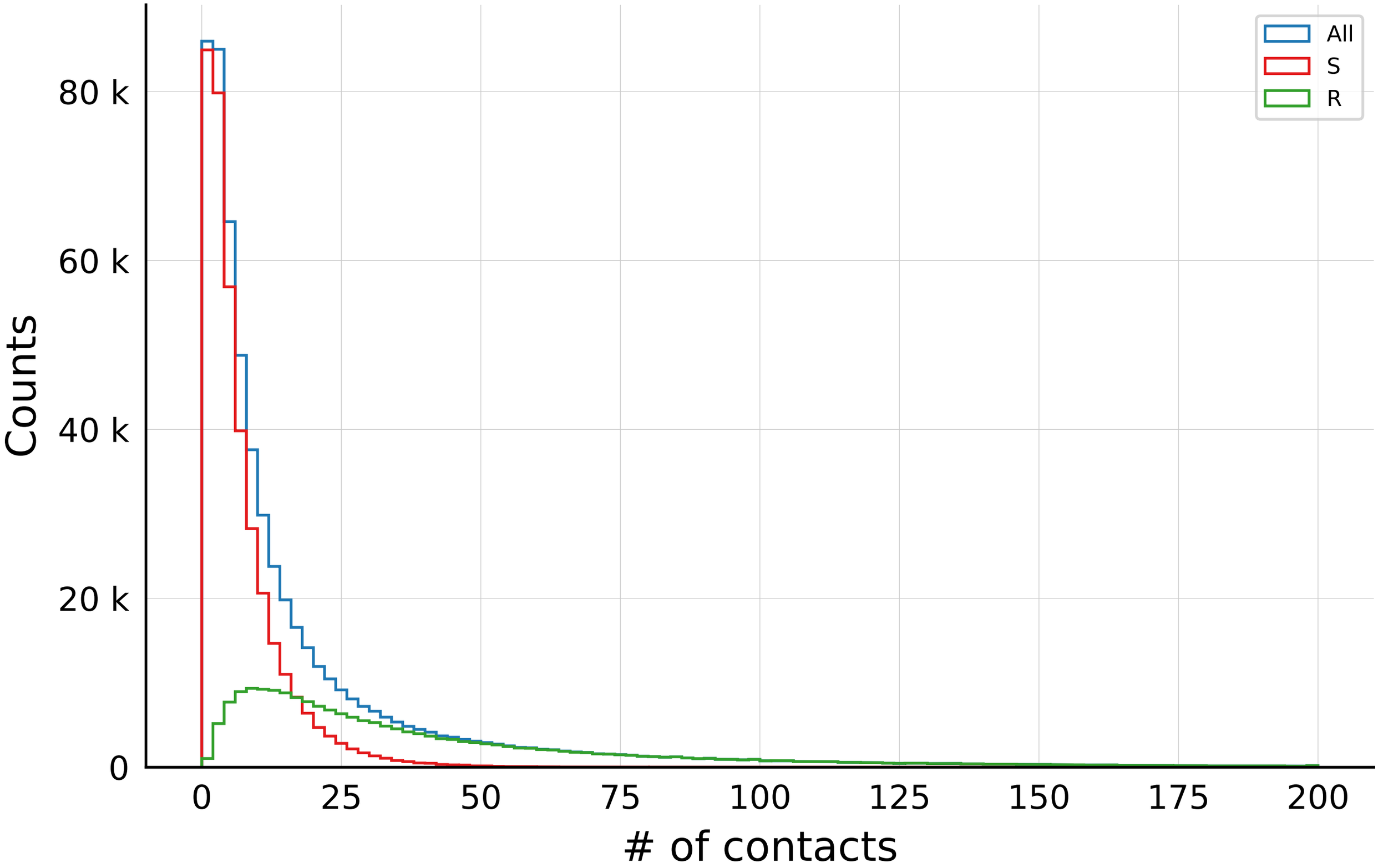
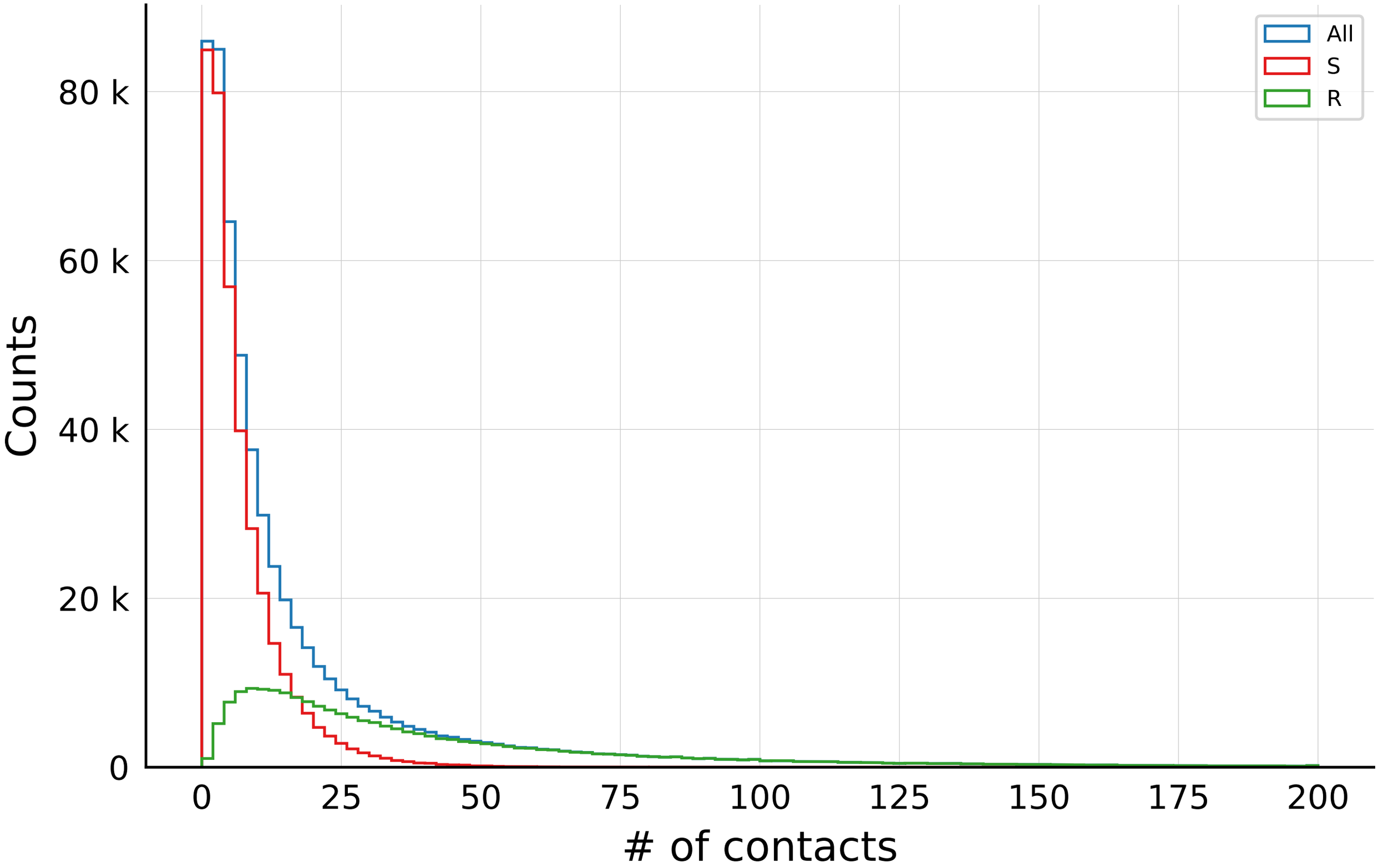


$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 20.0,\ \sigma_\mu = 1.0,\ \beta = 0.04,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 20.0,\ \sigma_\mu = 1.0,\ \beta = 0.04,\ \sigma_\beta = 1.0$$
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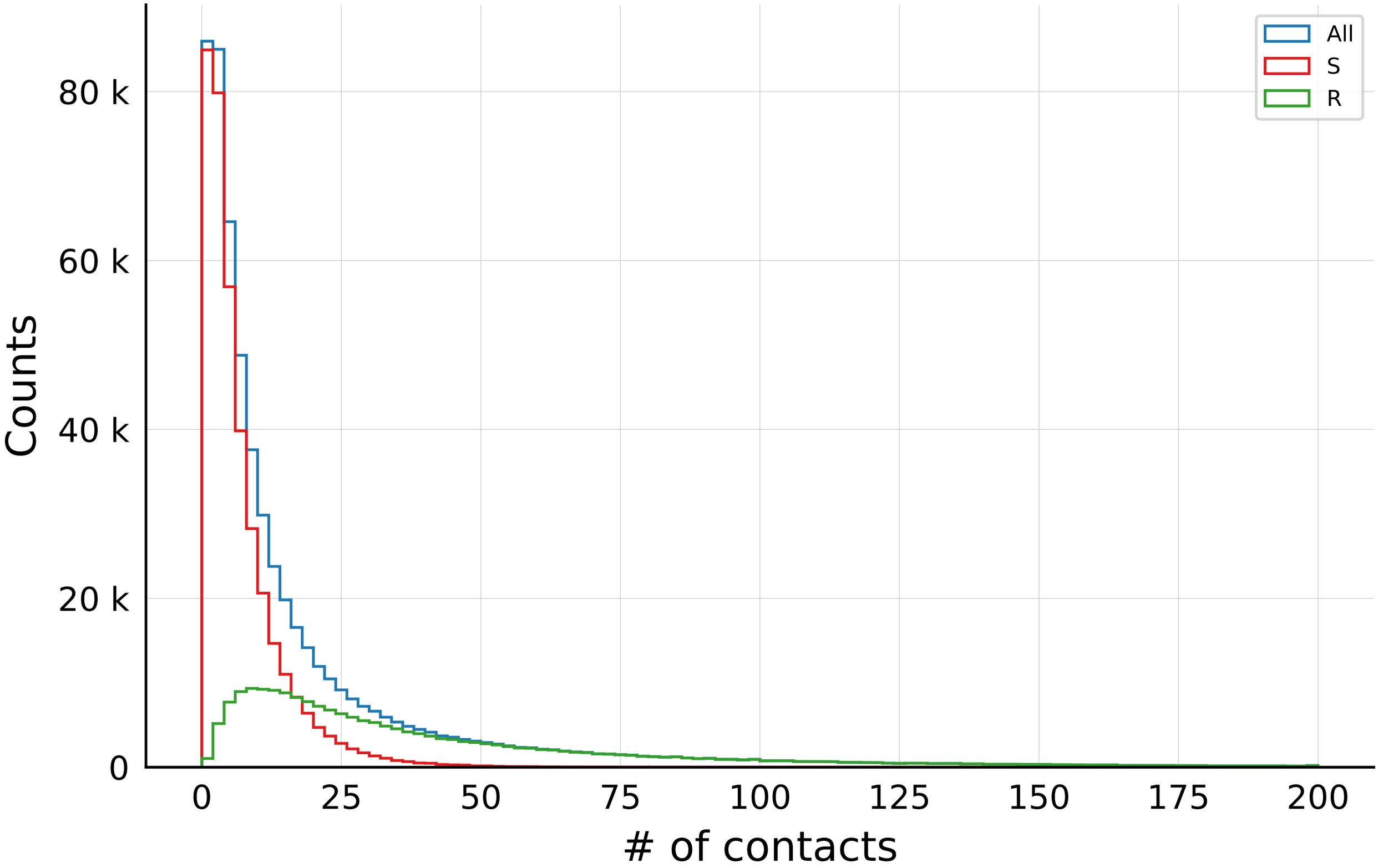

$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.005,\ \sigma_\beta = 0.0$$
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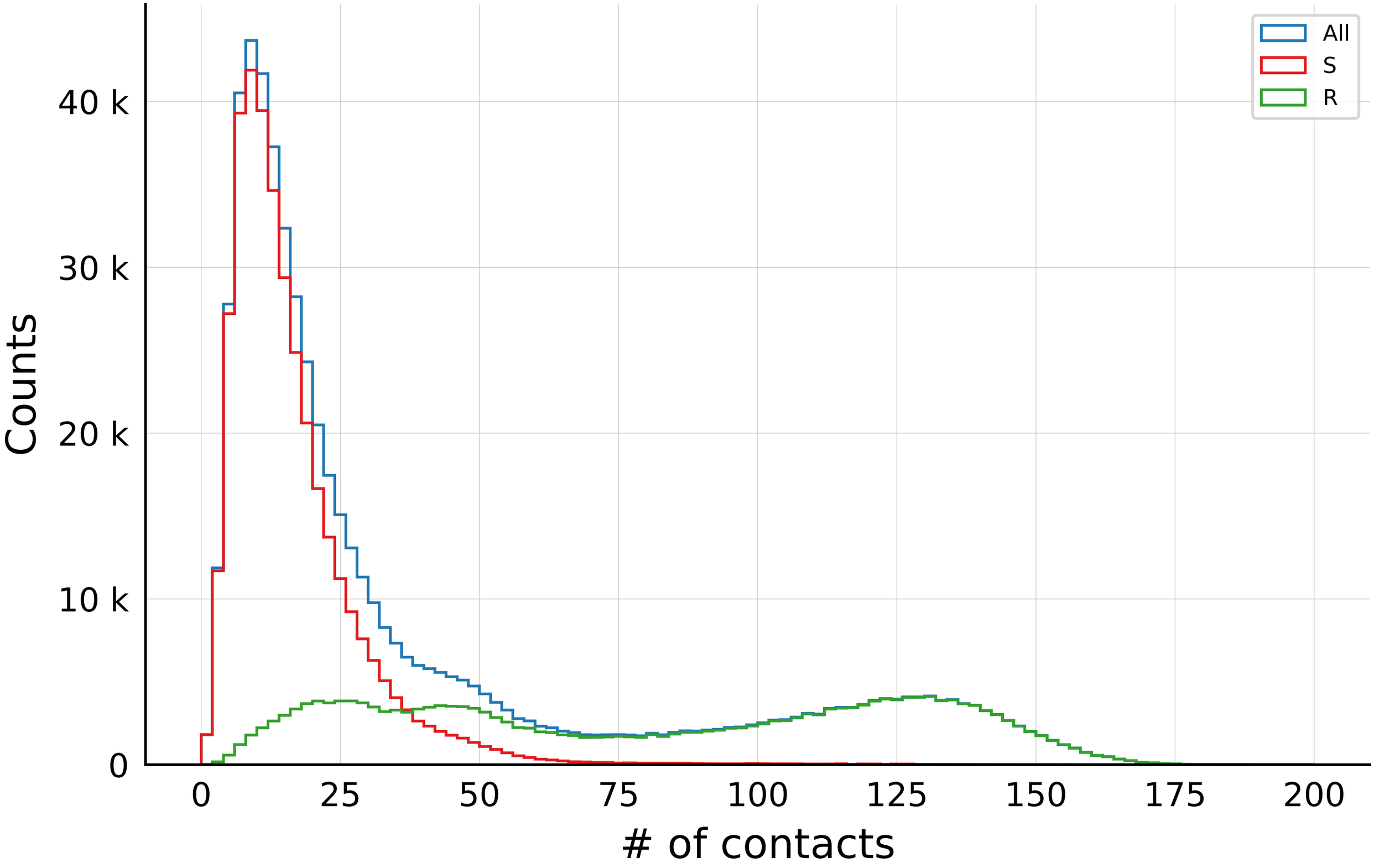
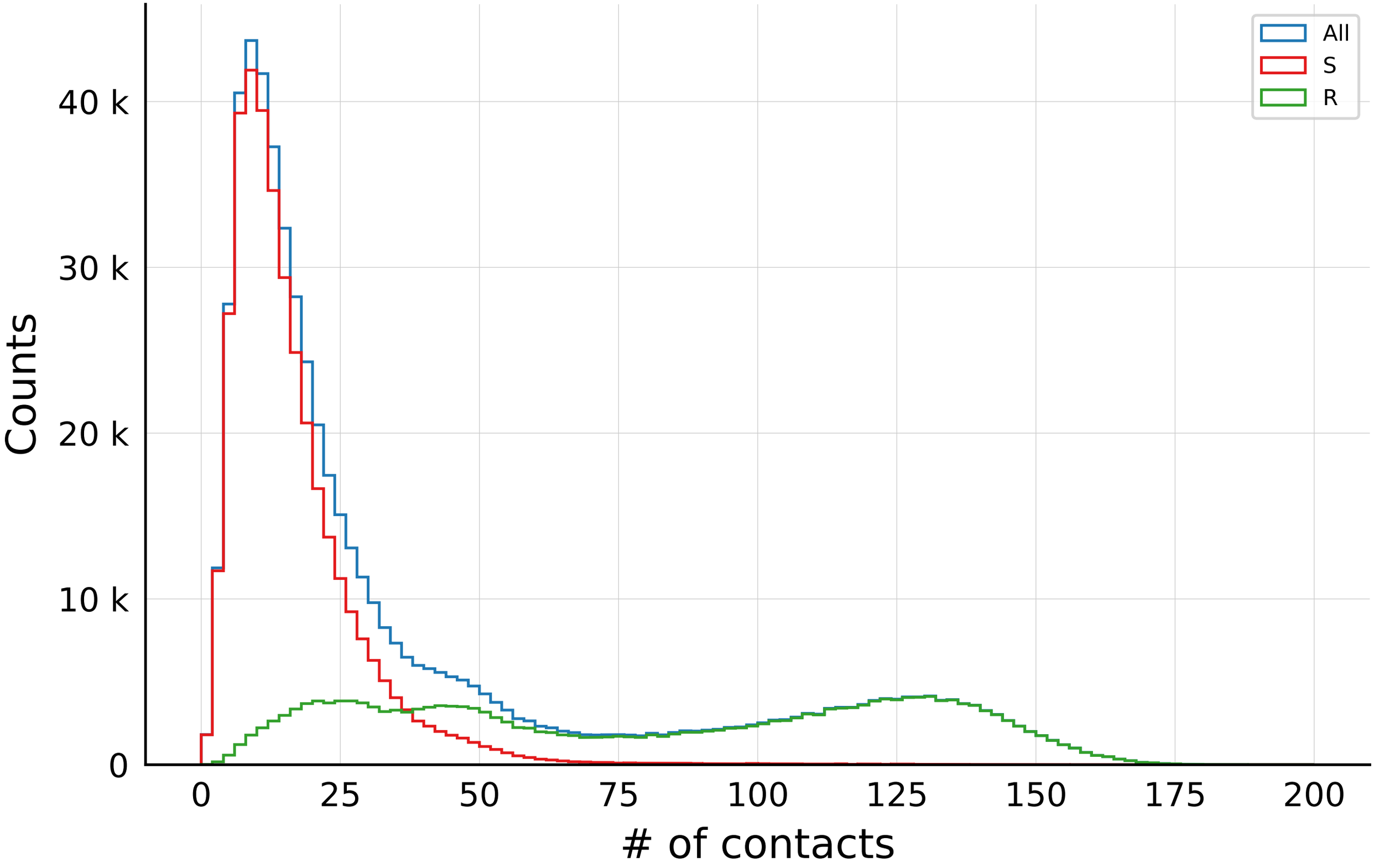
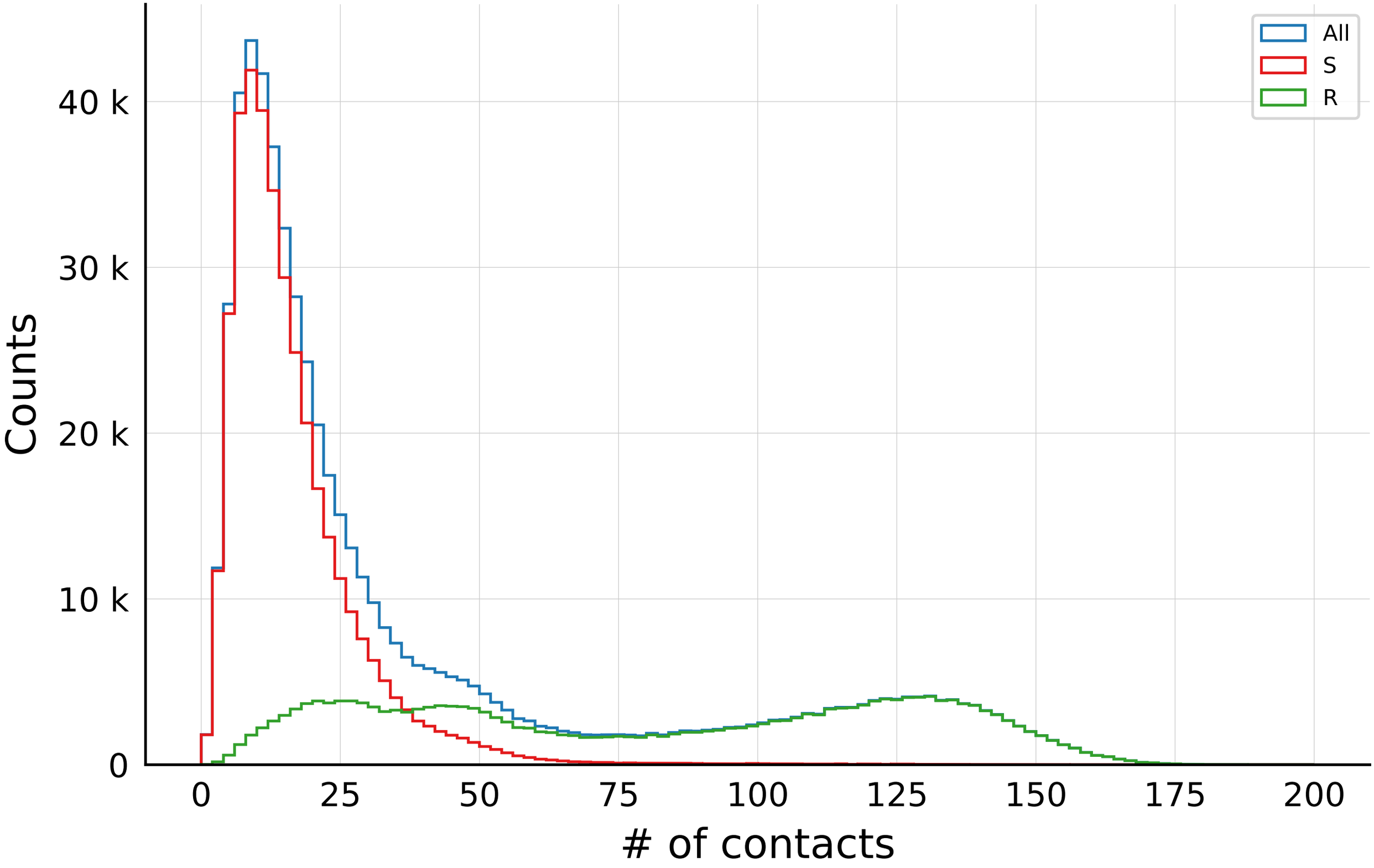


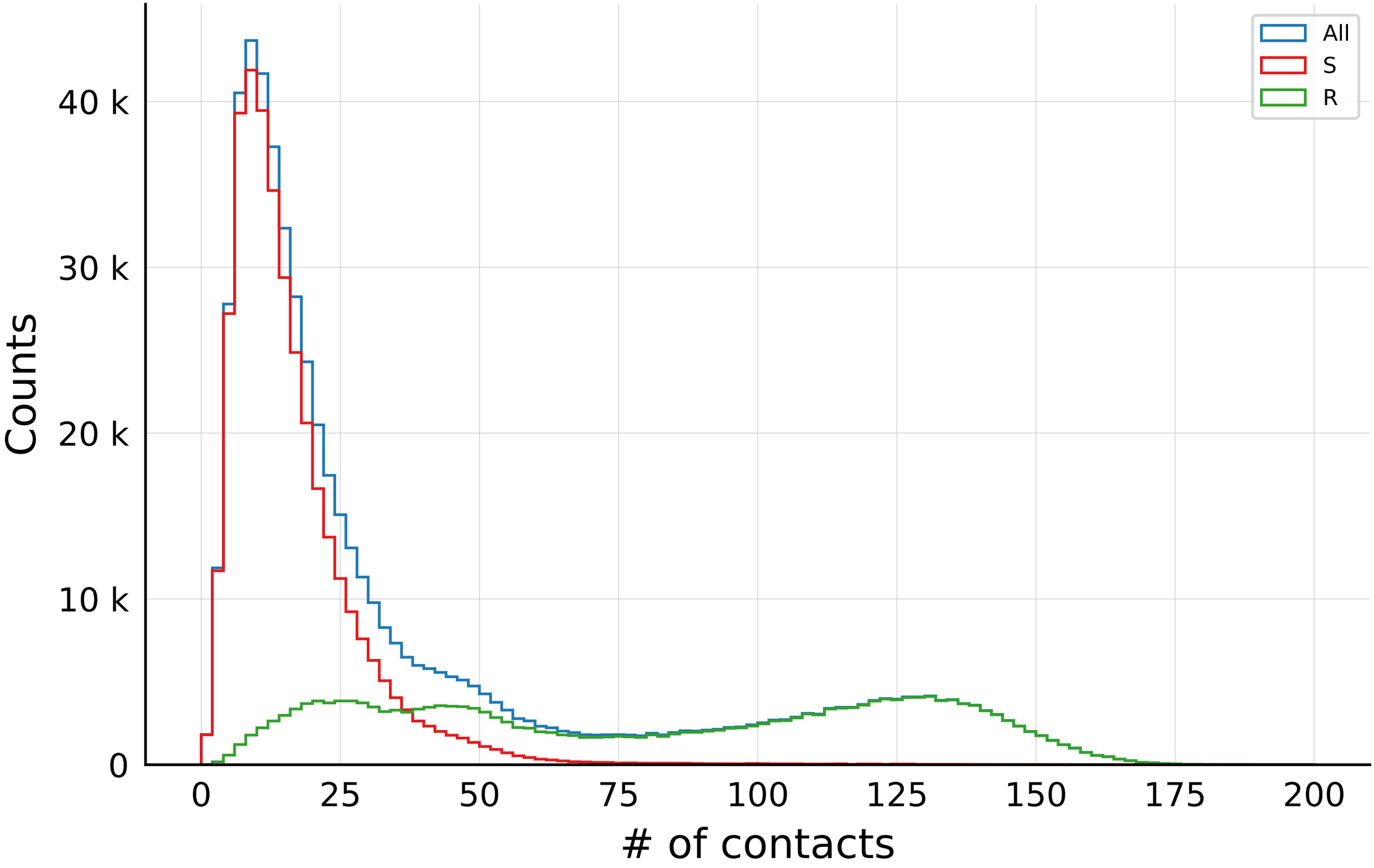
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



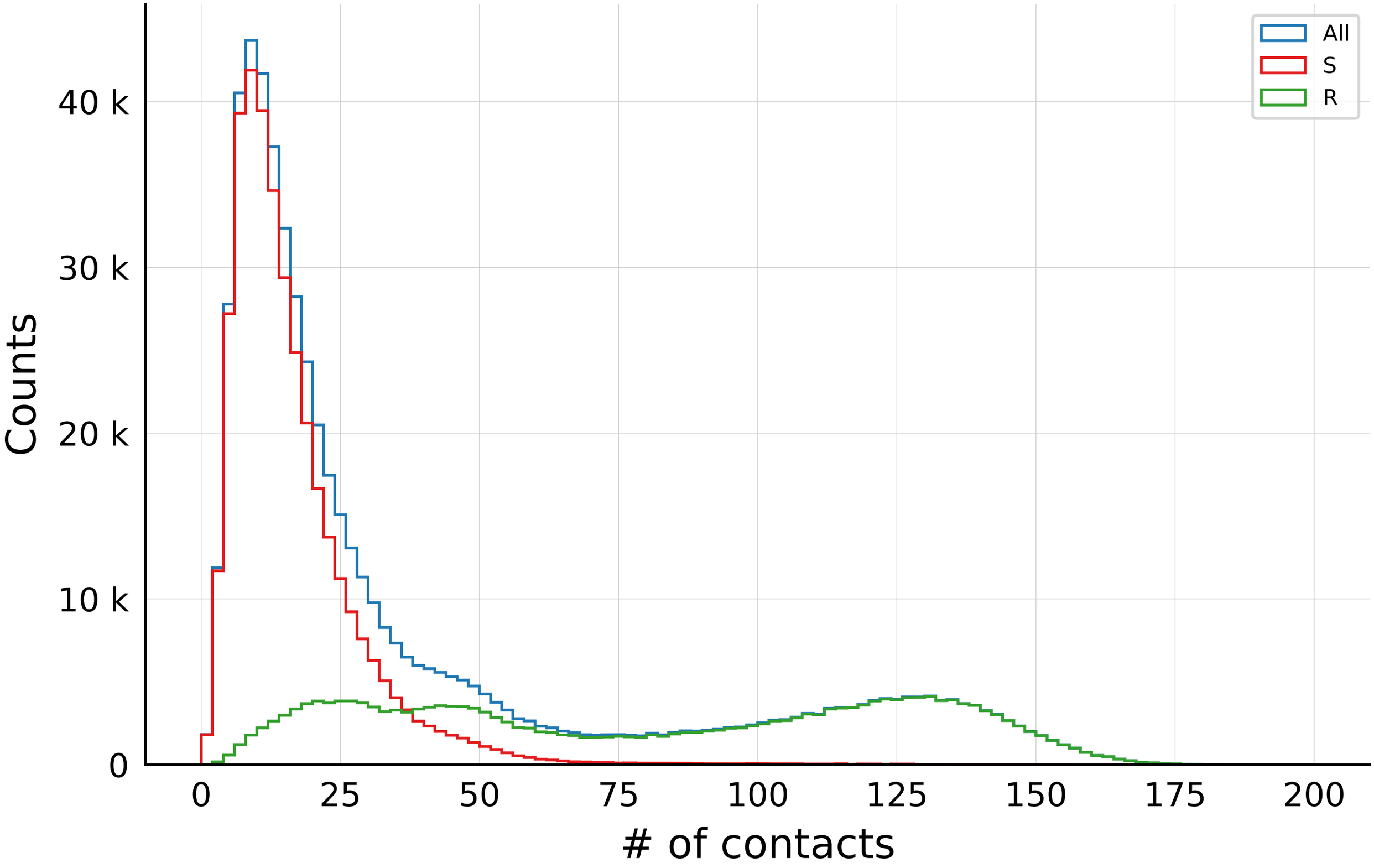
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.25$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



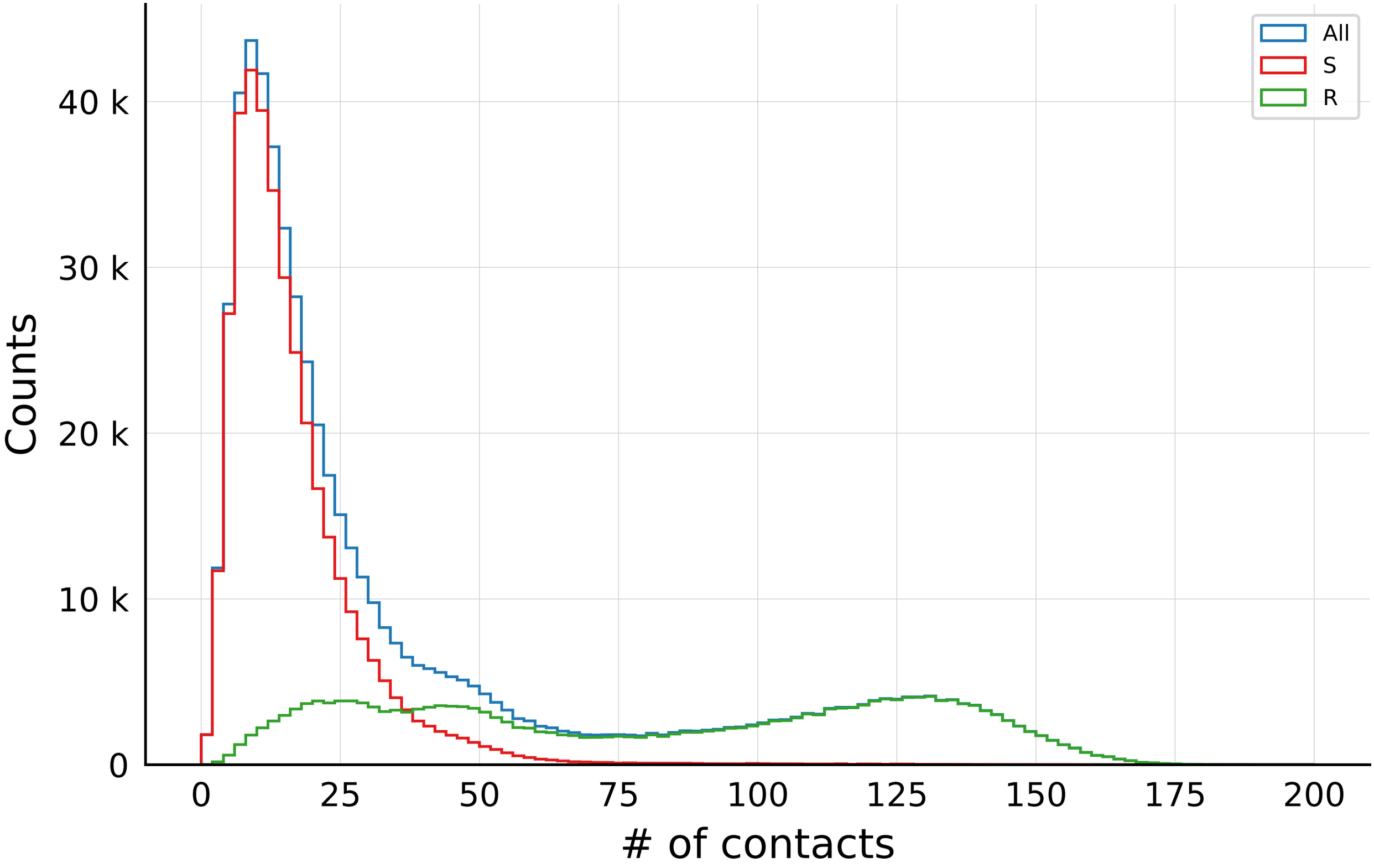
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.5$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.75$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 1.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.25,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
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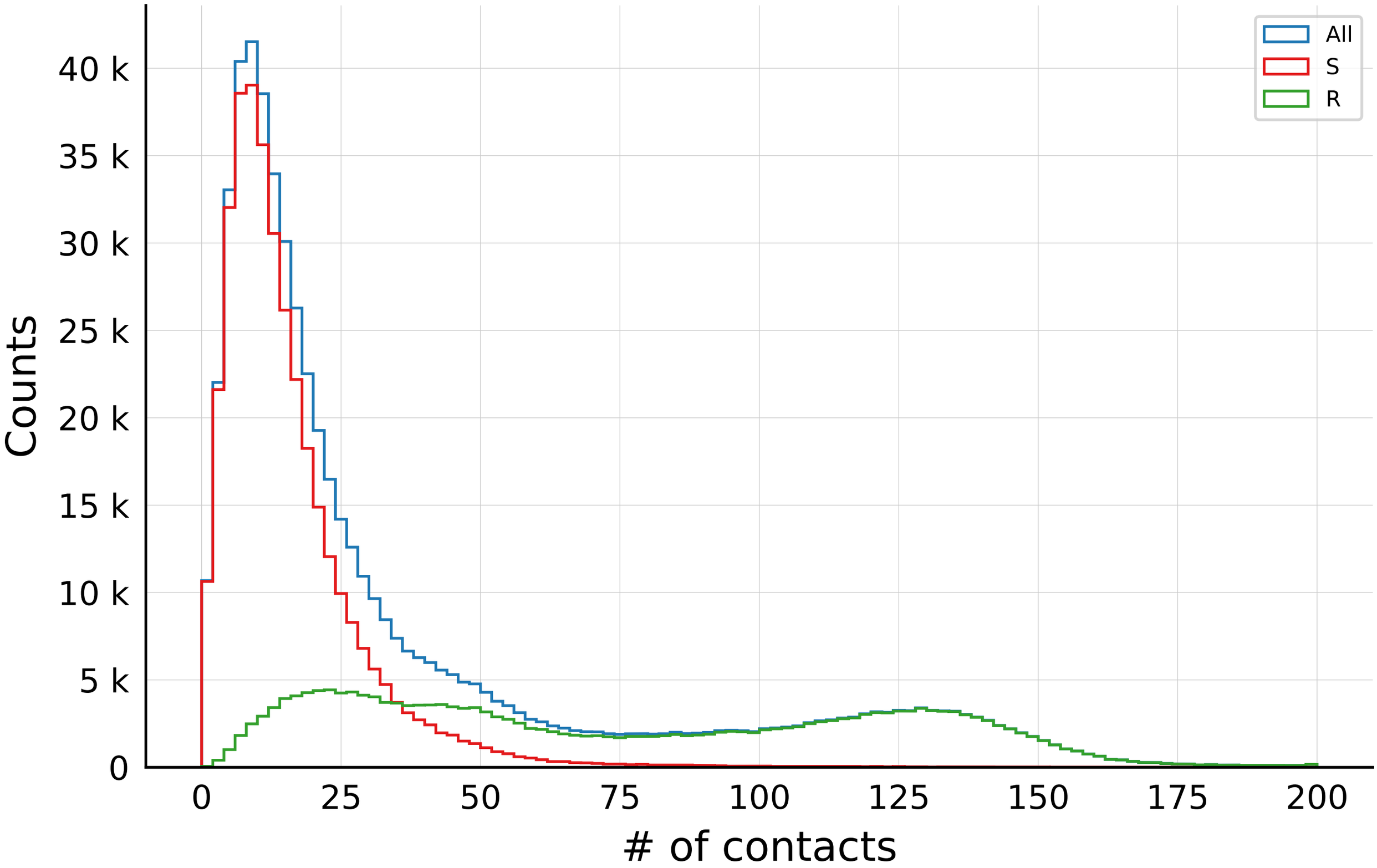
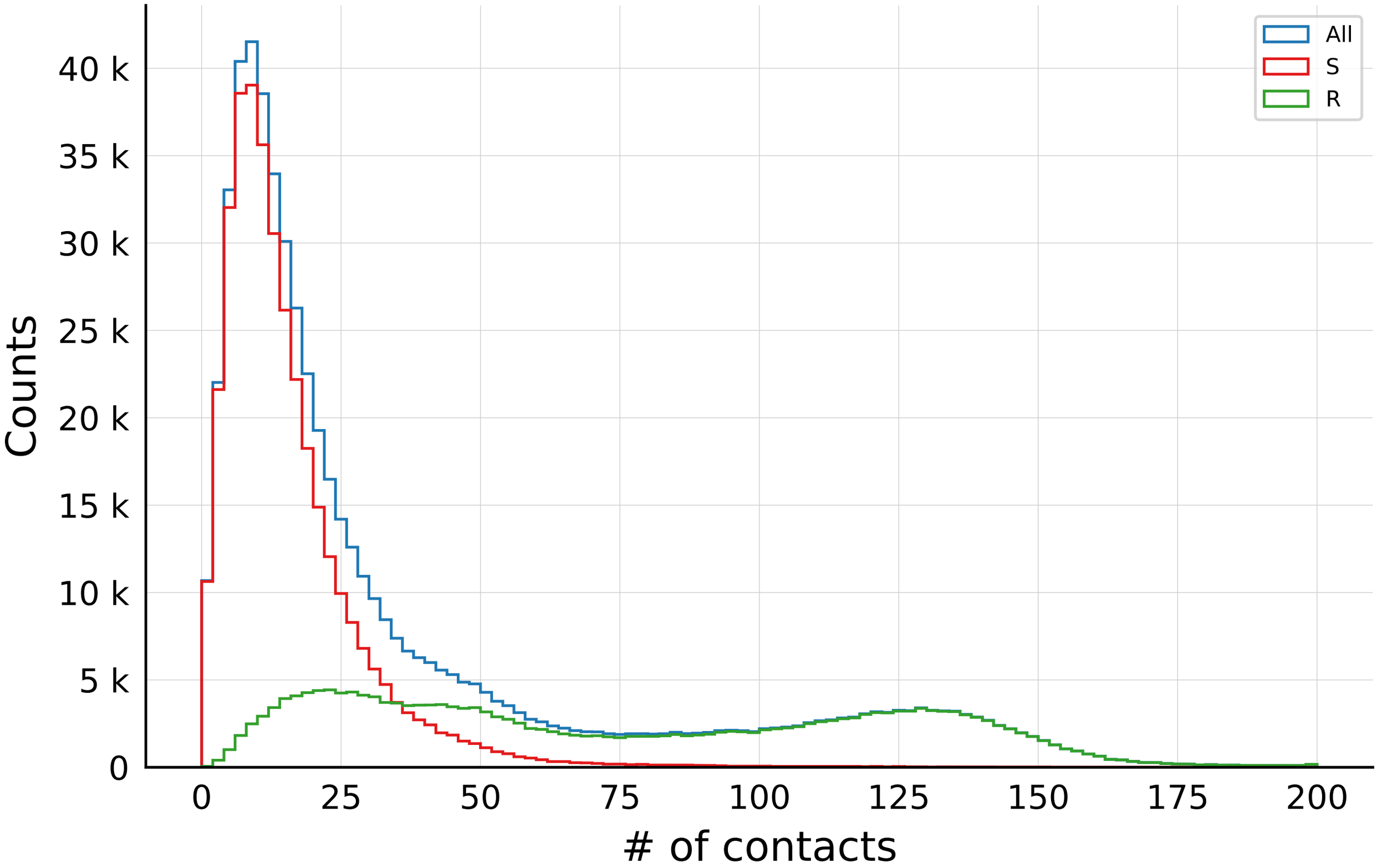
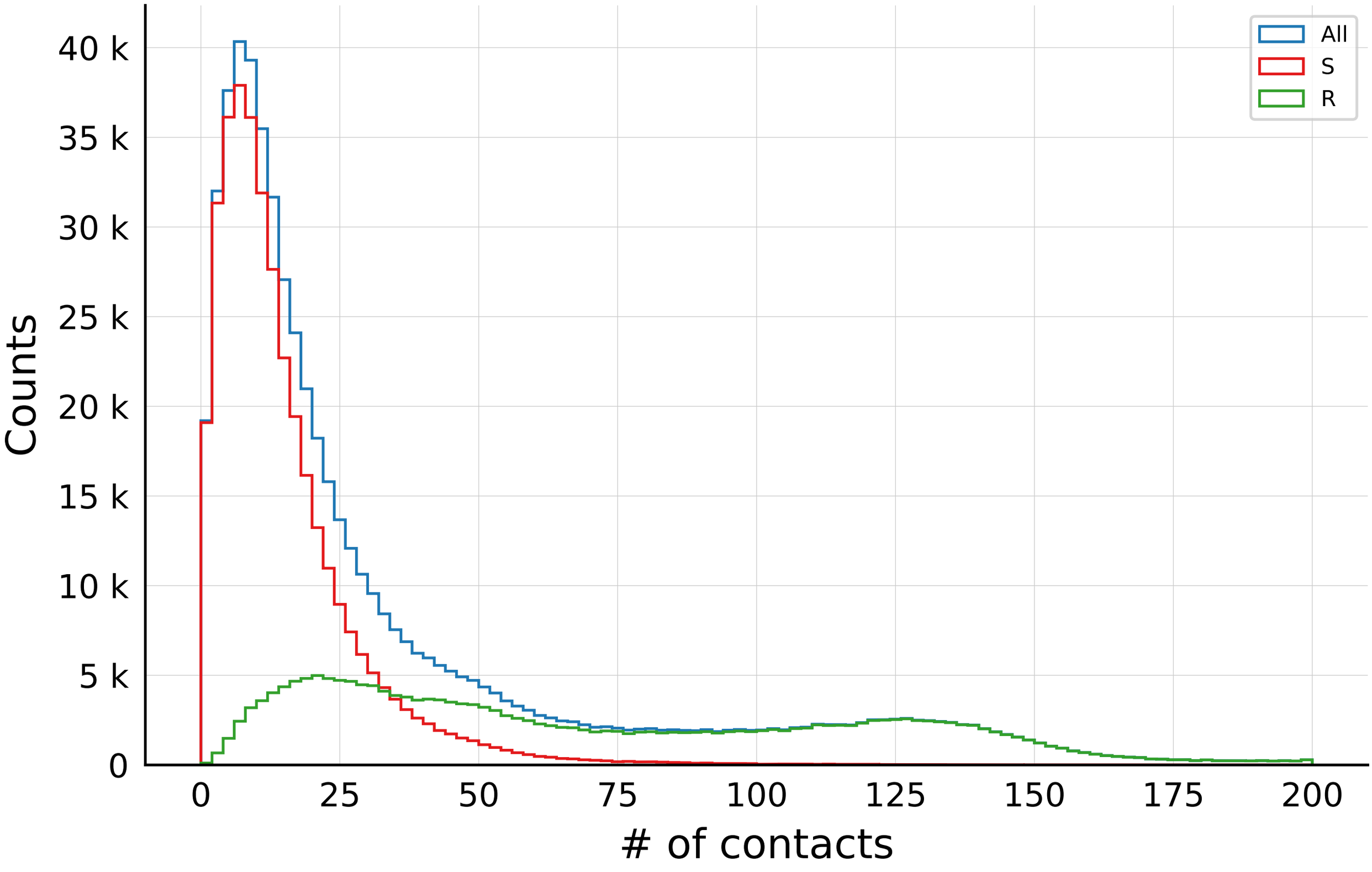


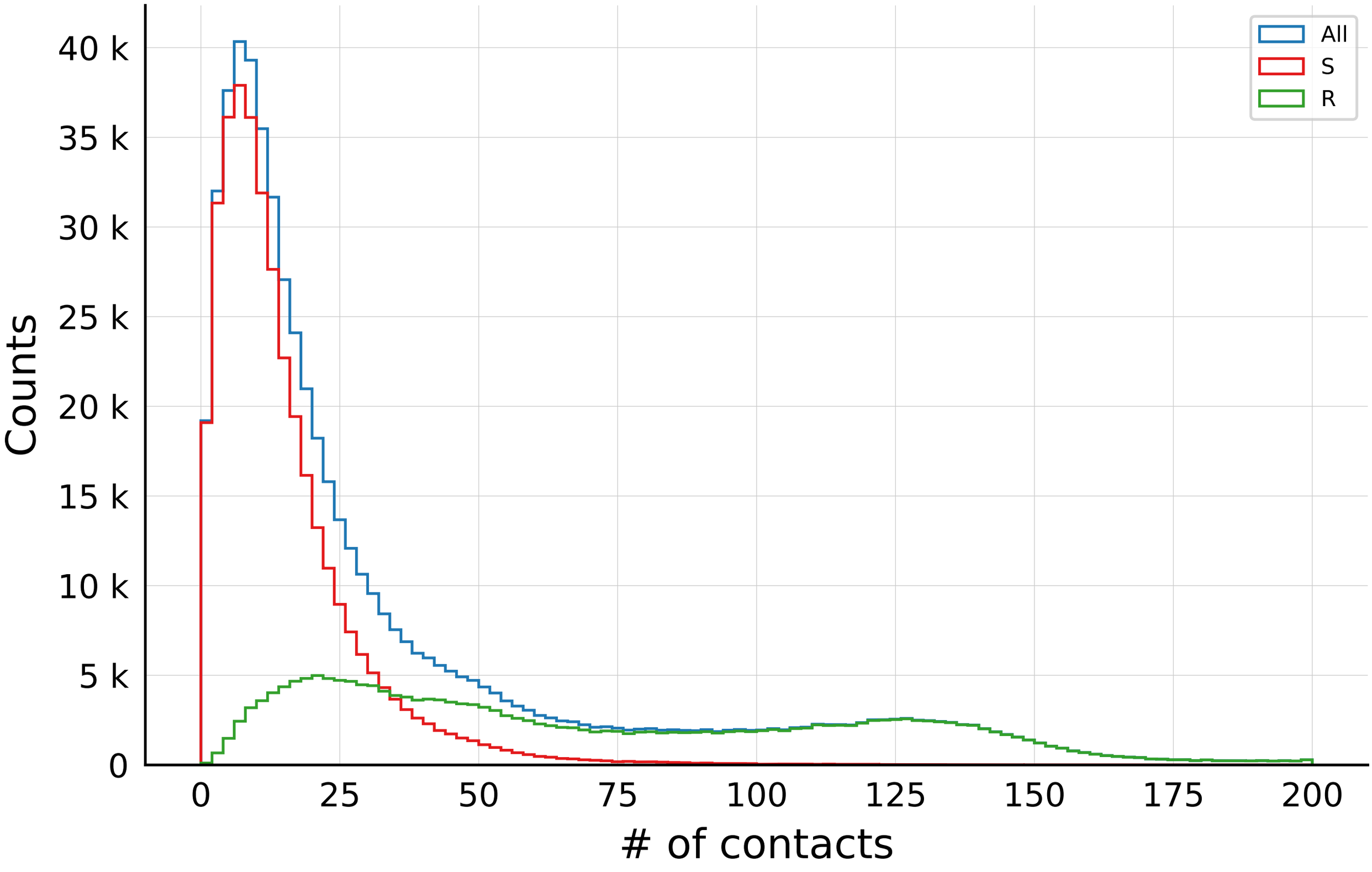
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.25,\ \beta = 0.01,\ \sigma_\beta = 1.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.5,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.5,\ \beta = 0.01,\ \sigma_\beta = 1.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.75,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
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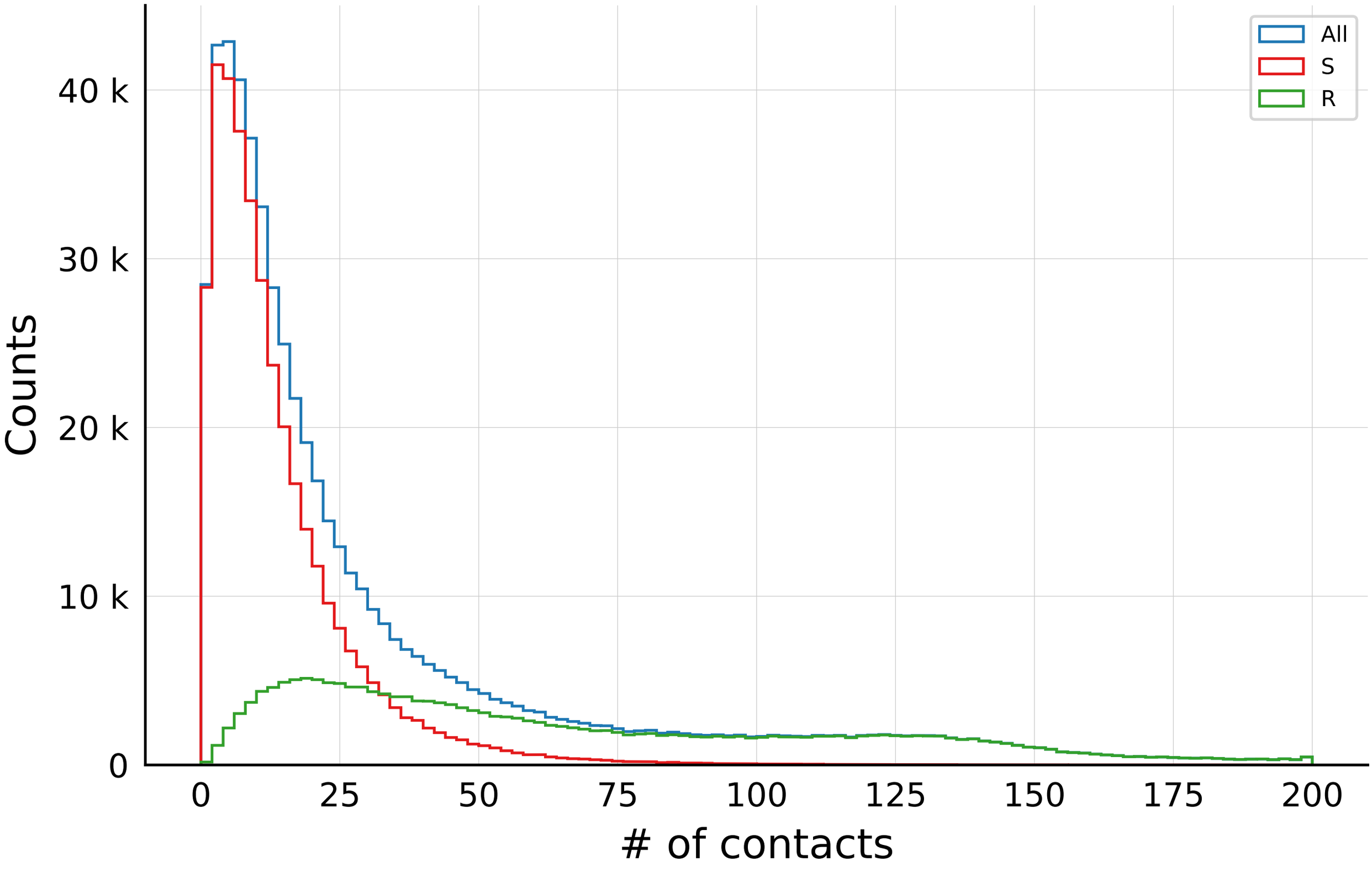
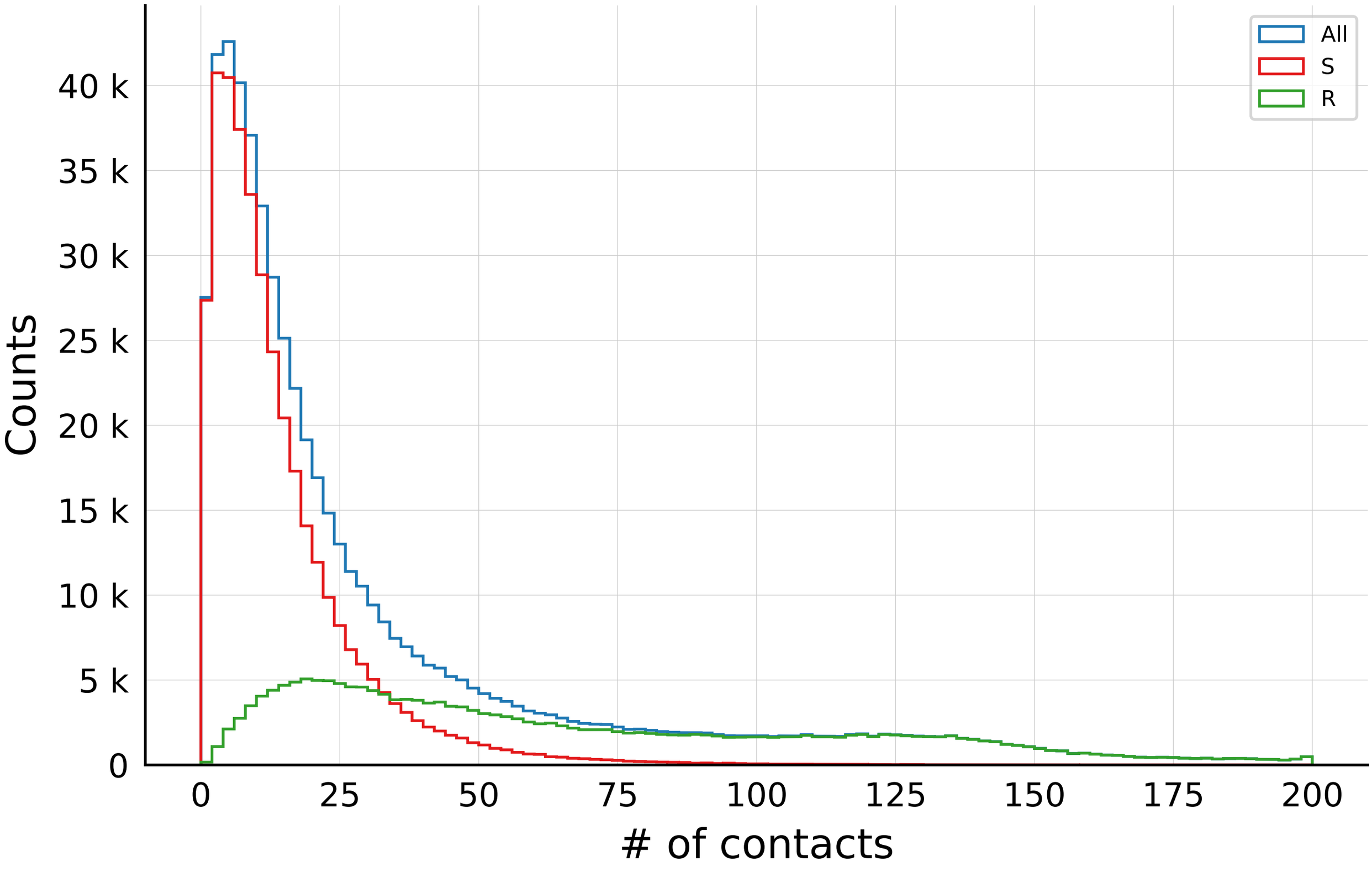
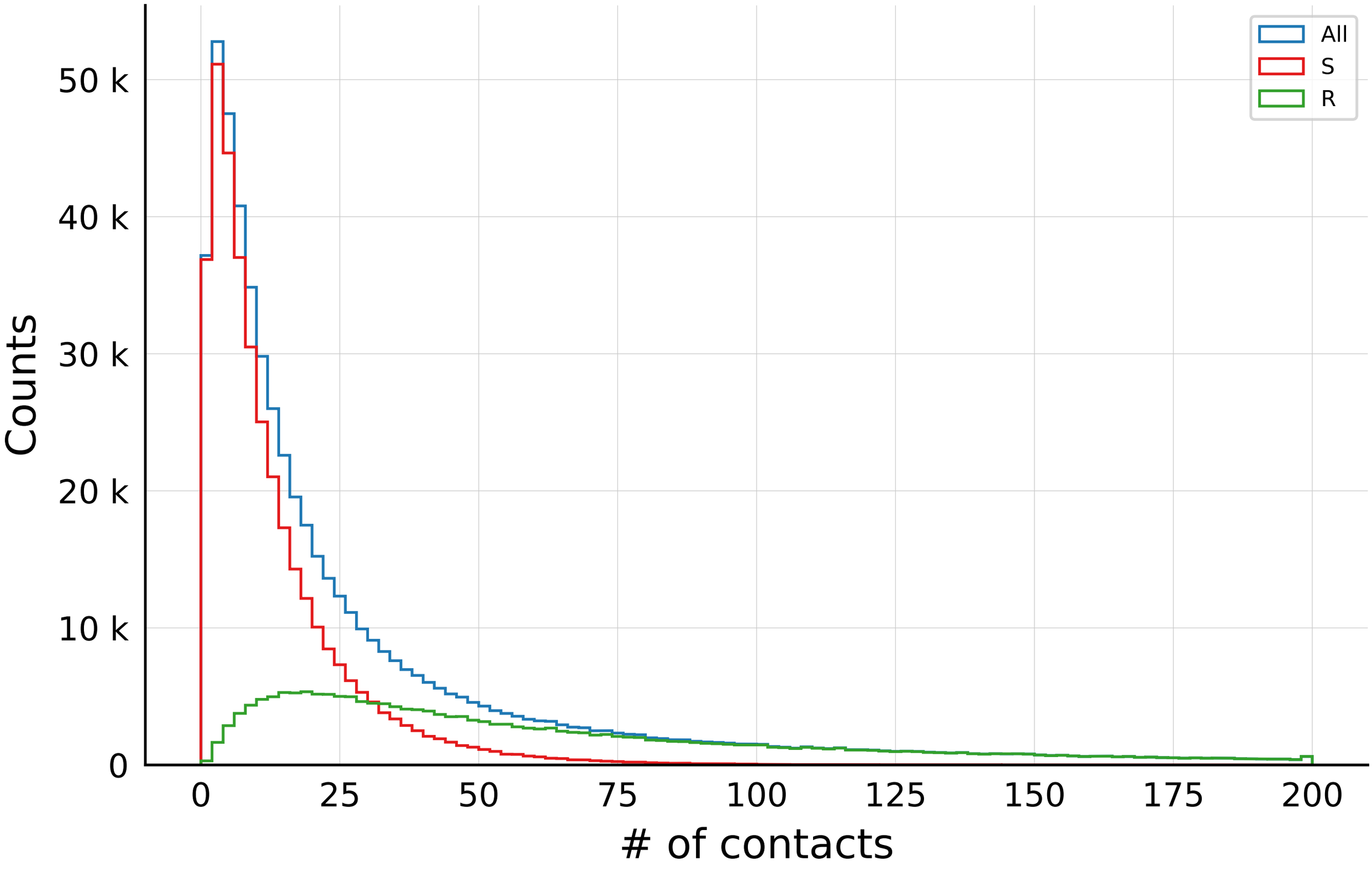


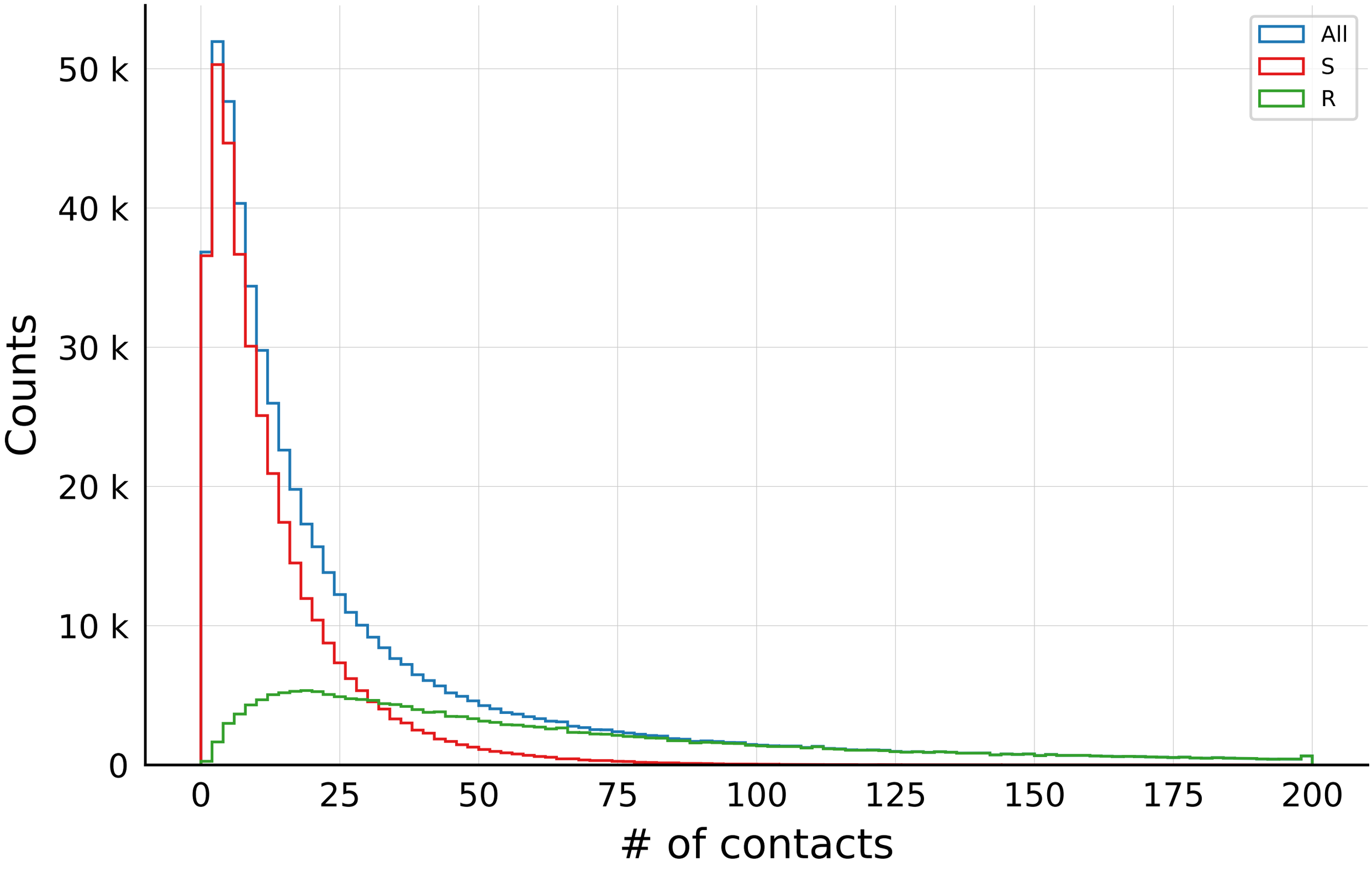
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.75,\ \beta = 0.01,\ \sigma_\beta = 1.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 1.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 1.0,\ \beta = 0.01,\ \sigma_\beta = 0.25$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 1.0,\ \beta = 0.01,\ \sigma_\beta = 0.5$$
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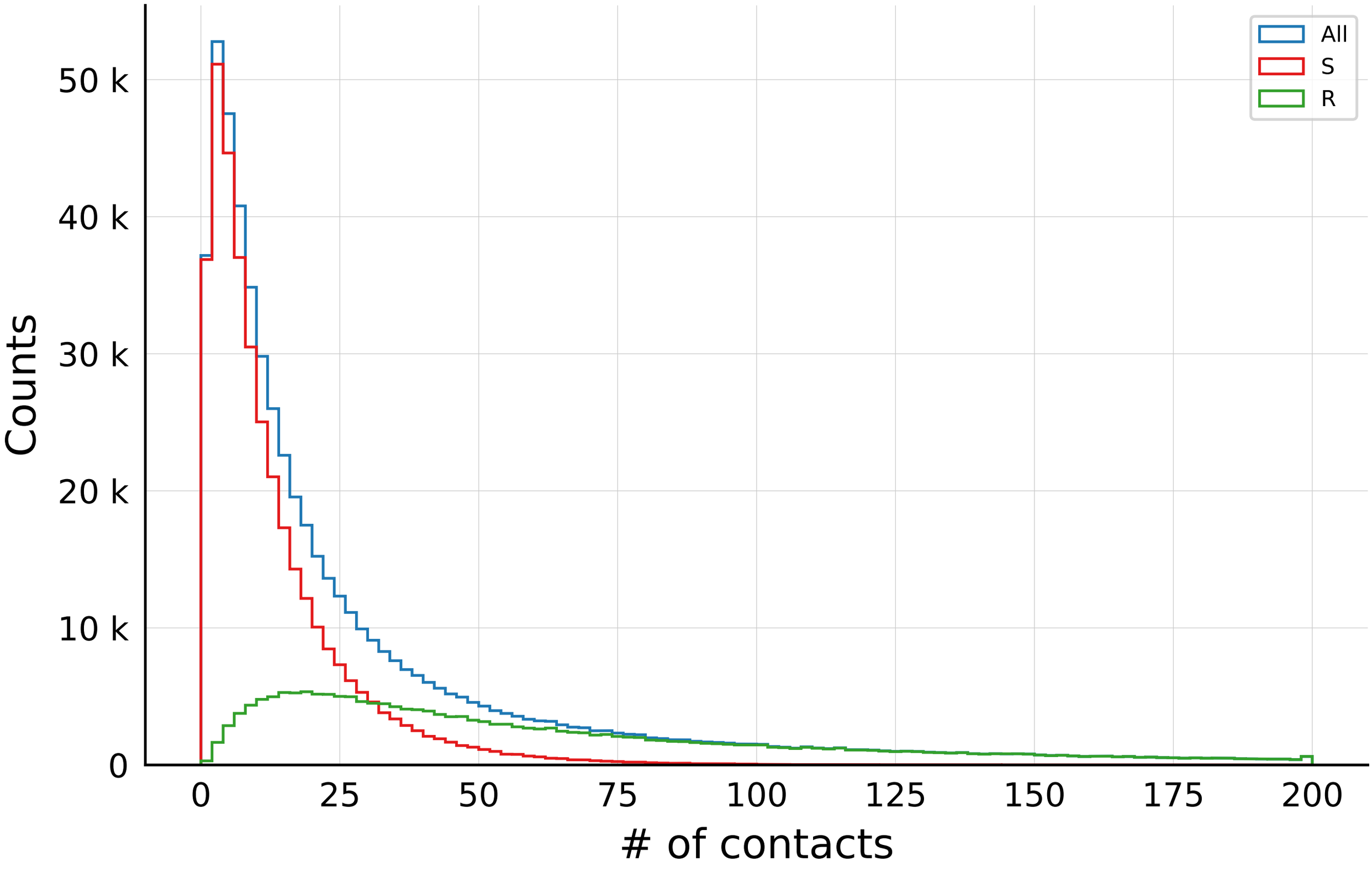
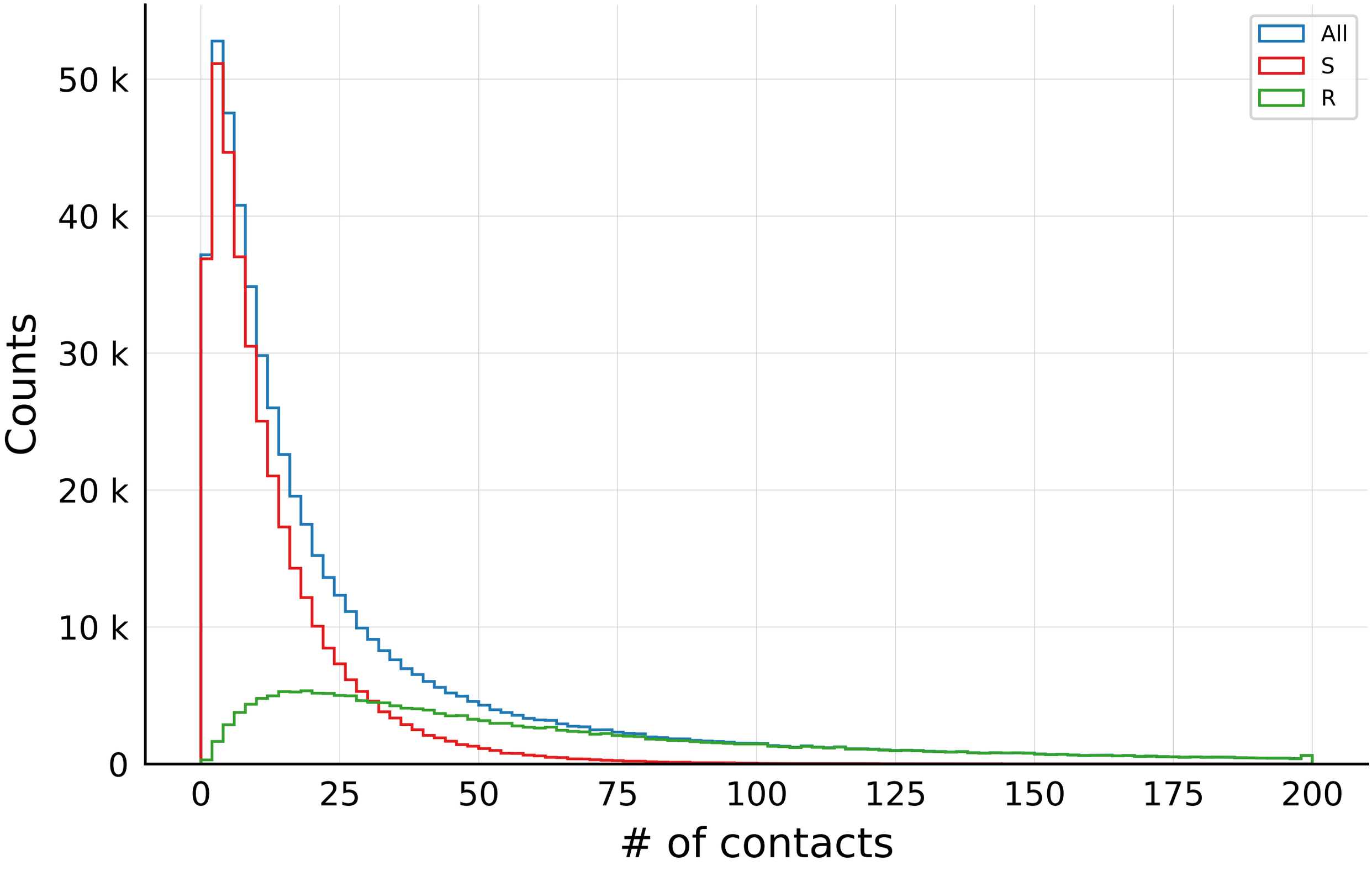


$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 1.0,\ \beta = 0.01,\ \sigma_\beta = 0.75$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 1.0,\ \beta = 0.01,\ \sigma_\beta = 1.0$$
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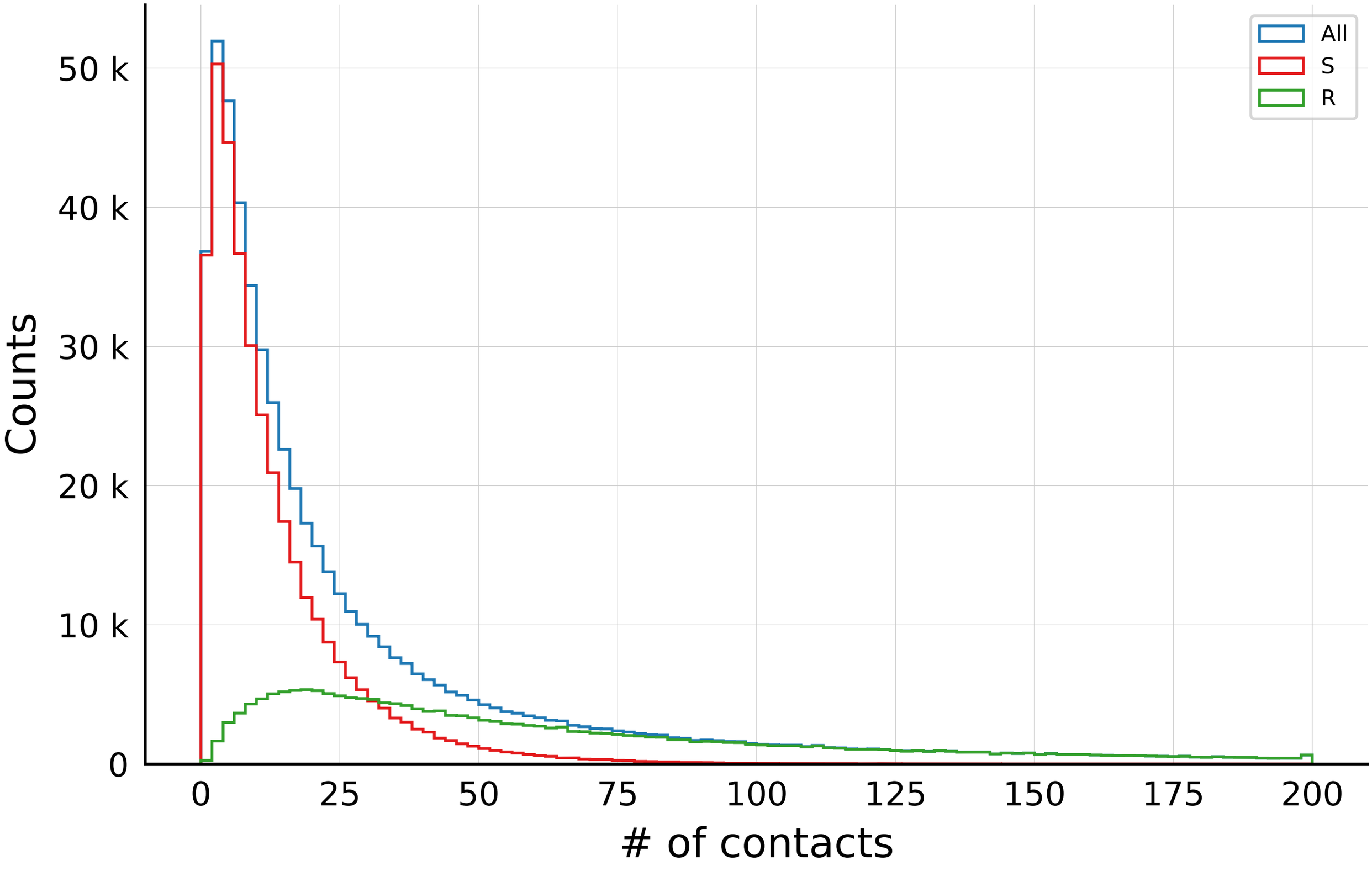

$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.05,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
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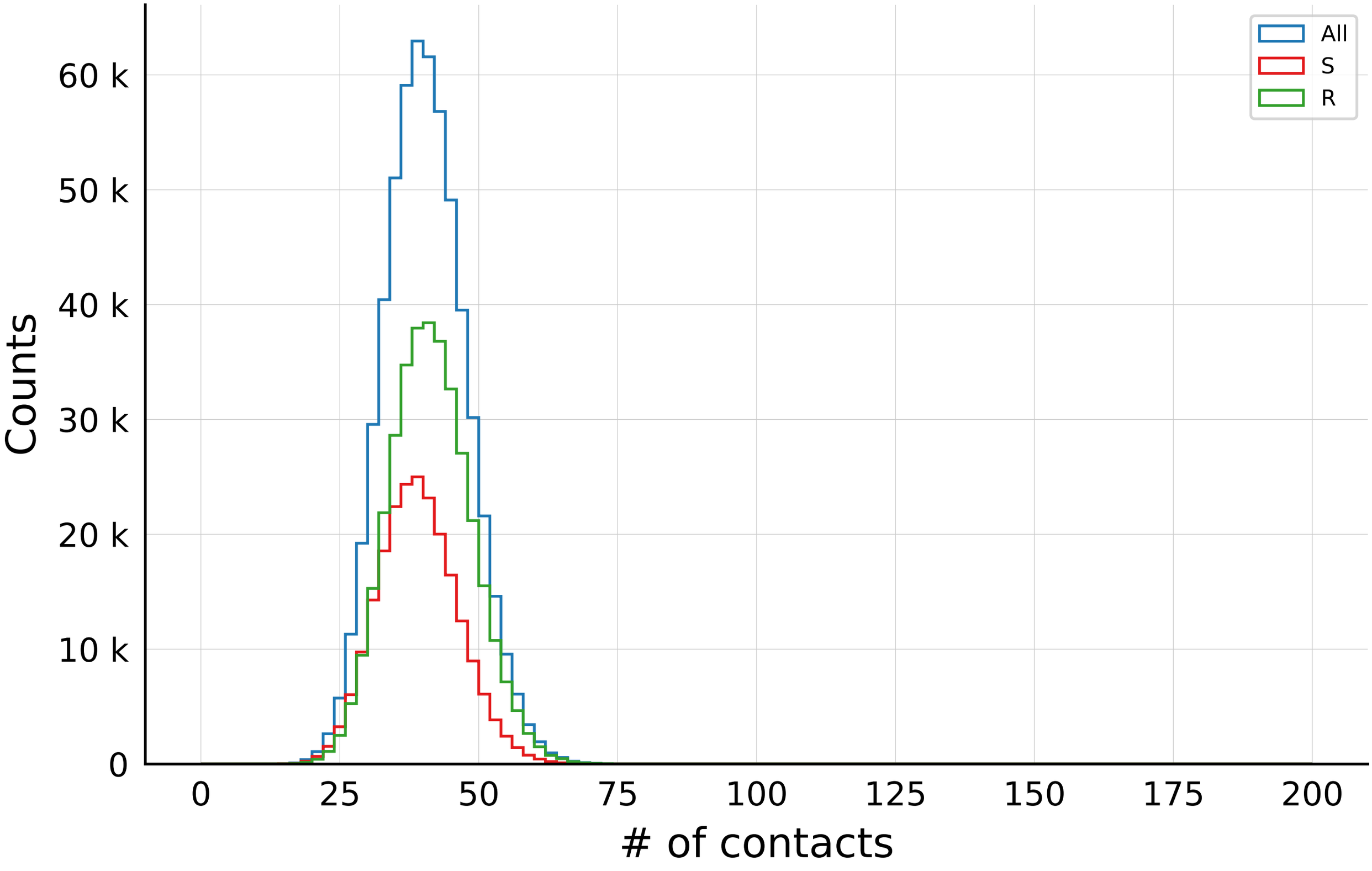

$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.05,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
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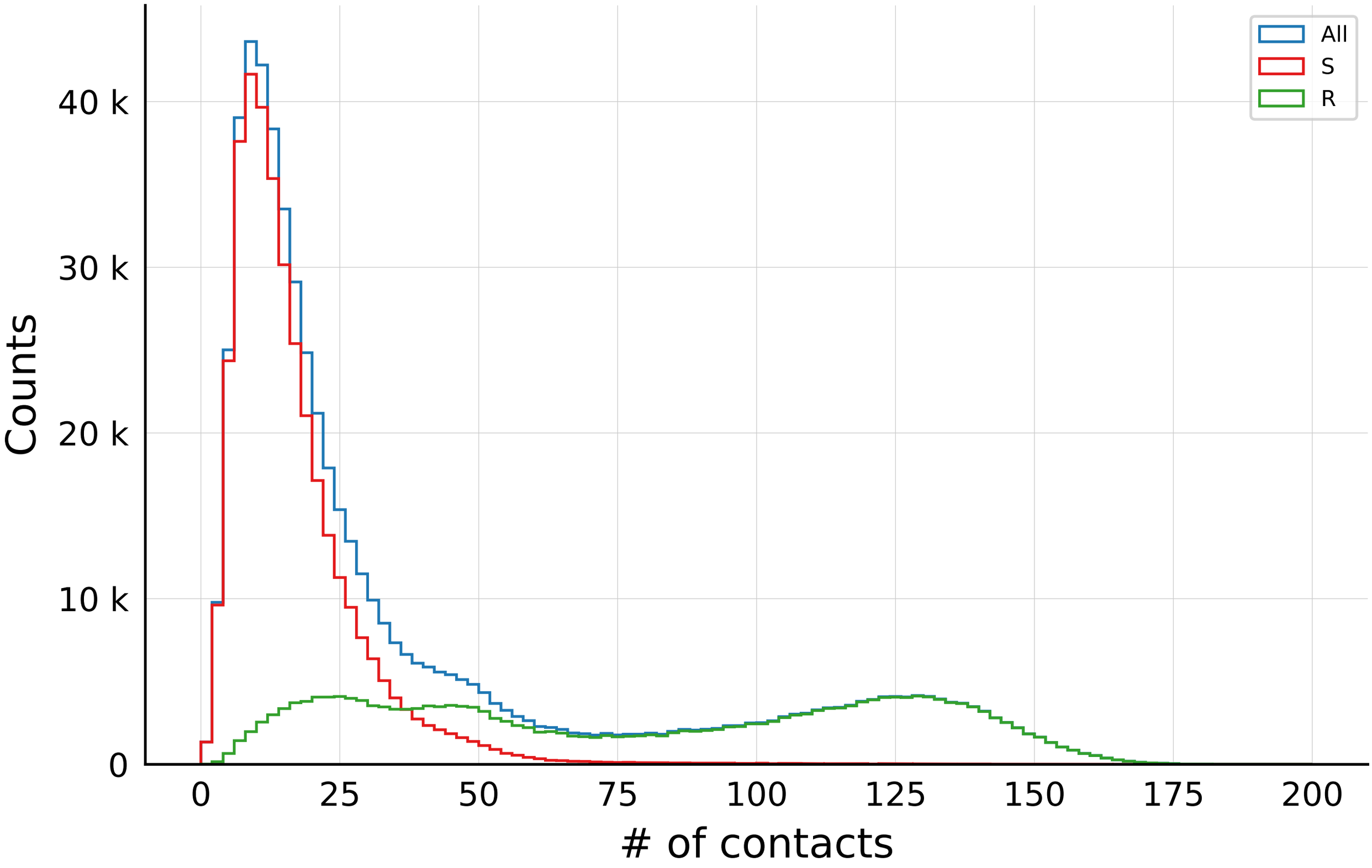

$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.0,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
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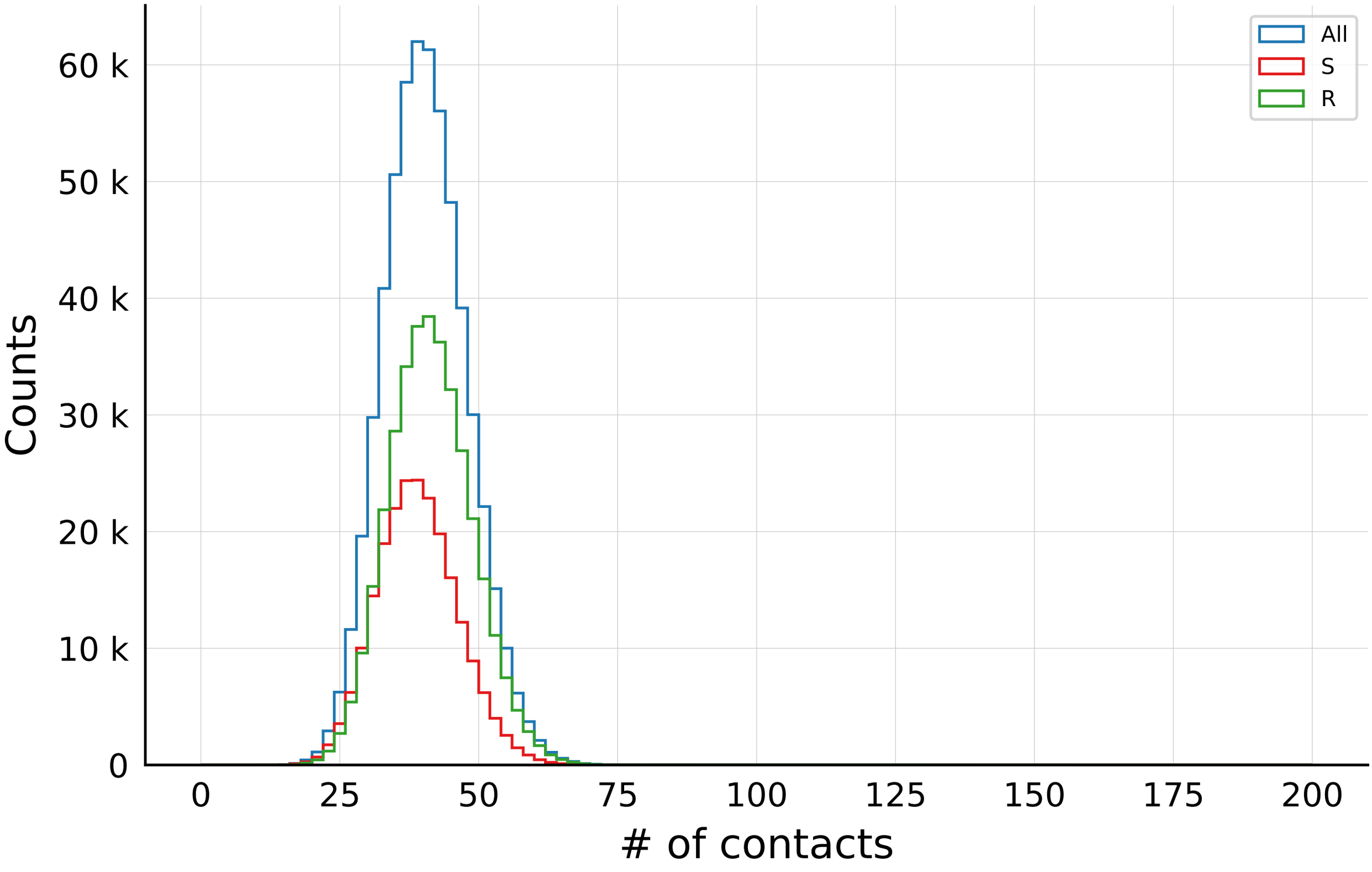

$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.0,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
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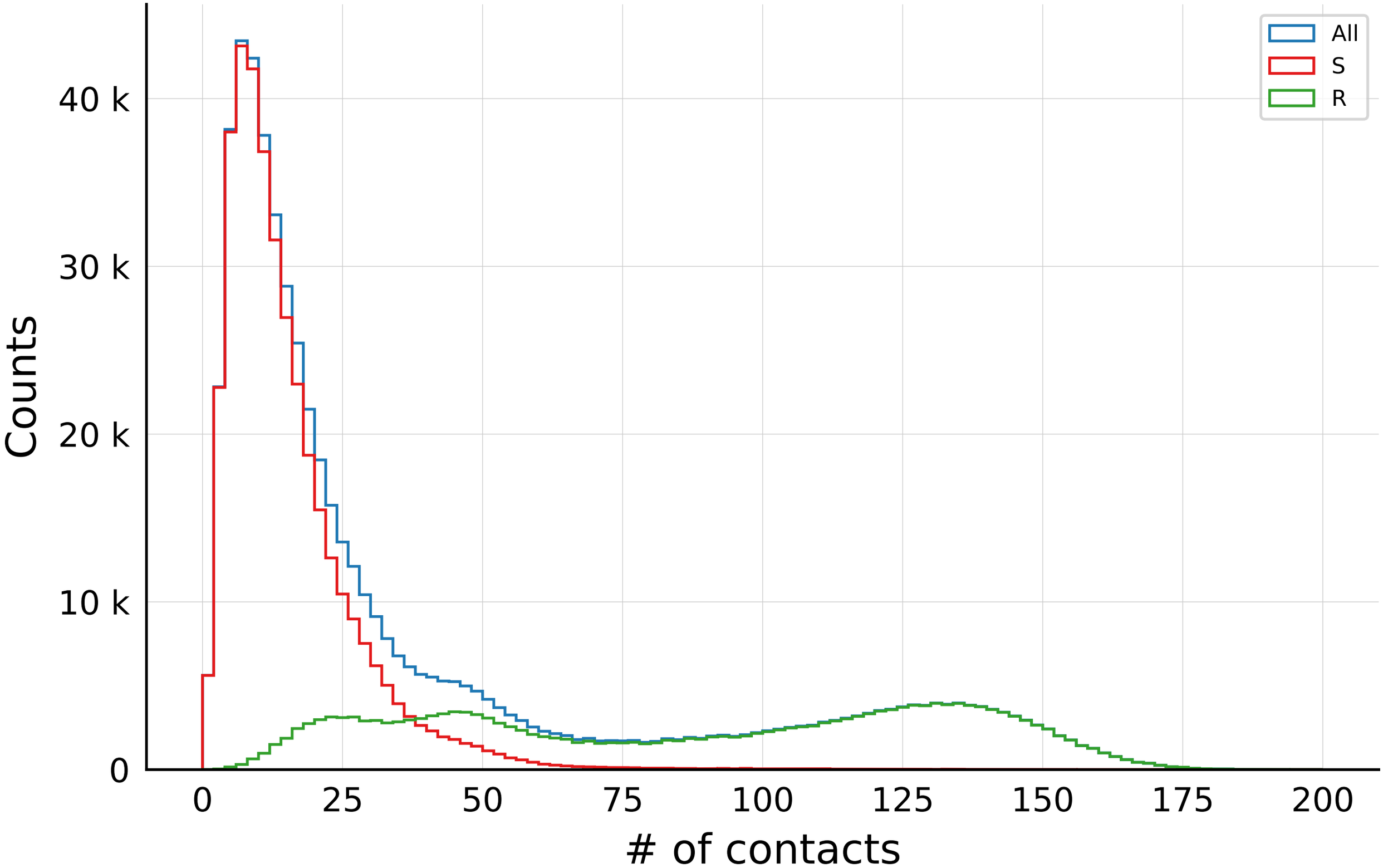

$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.1,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
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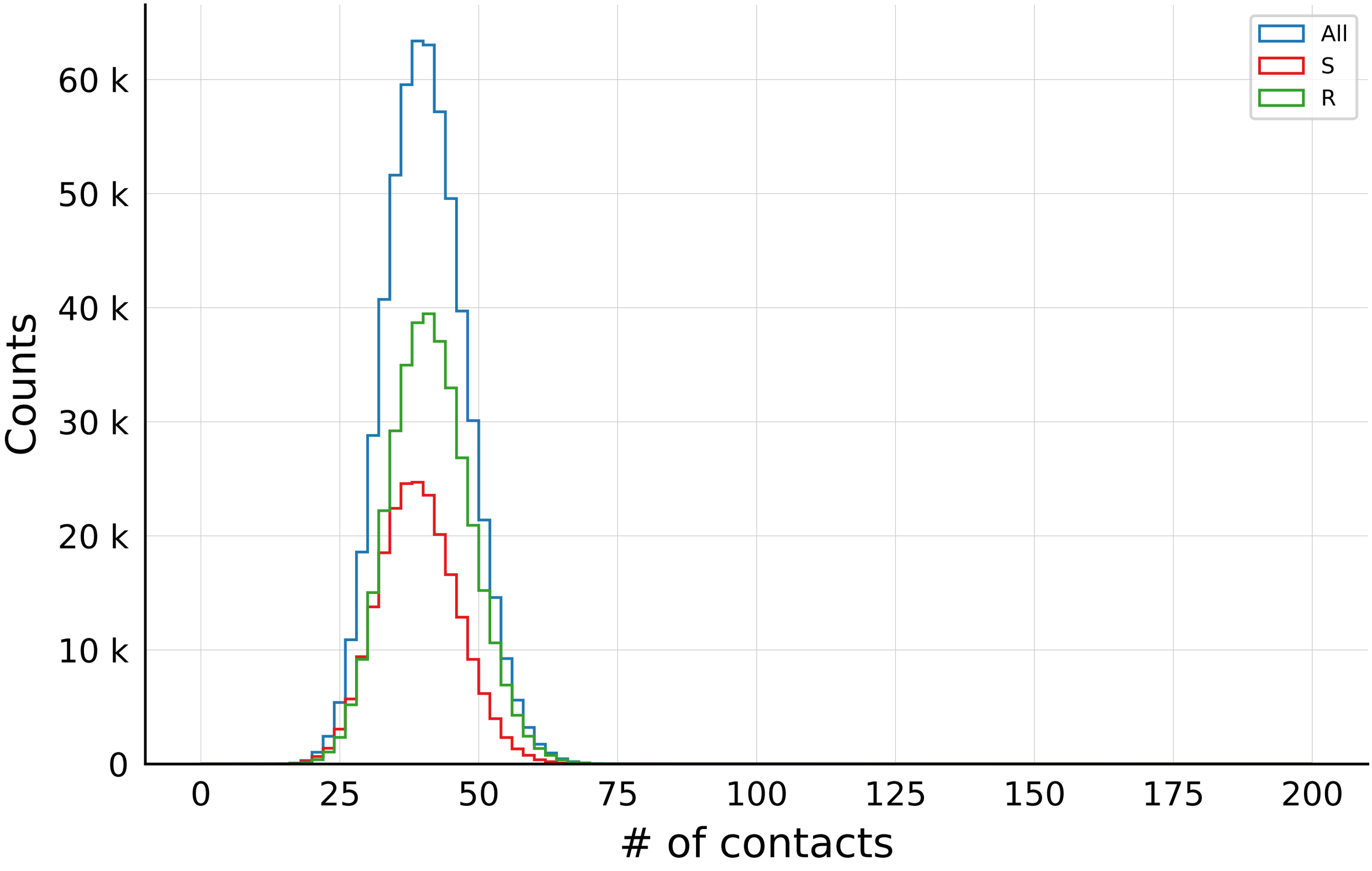
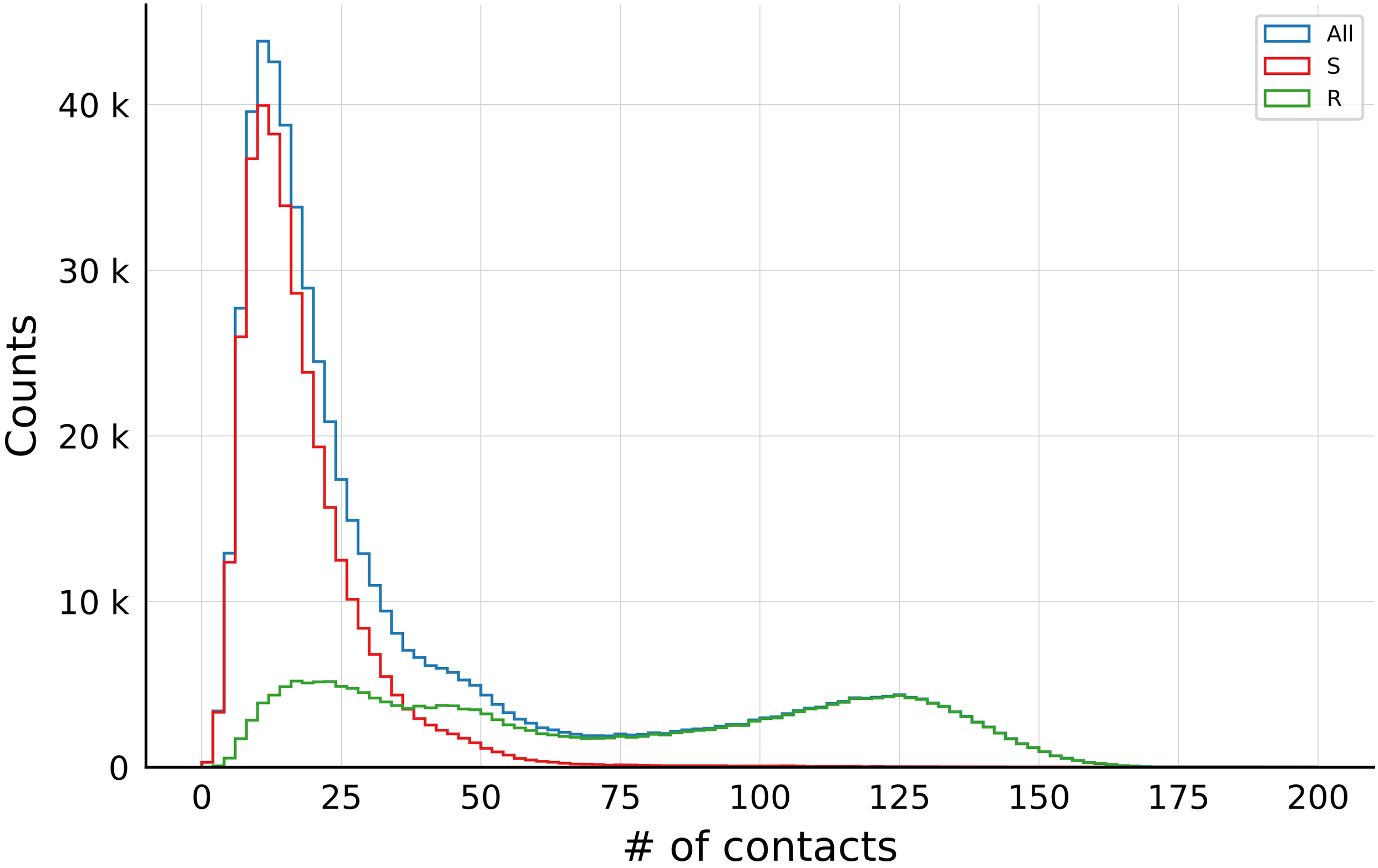


$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.1,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



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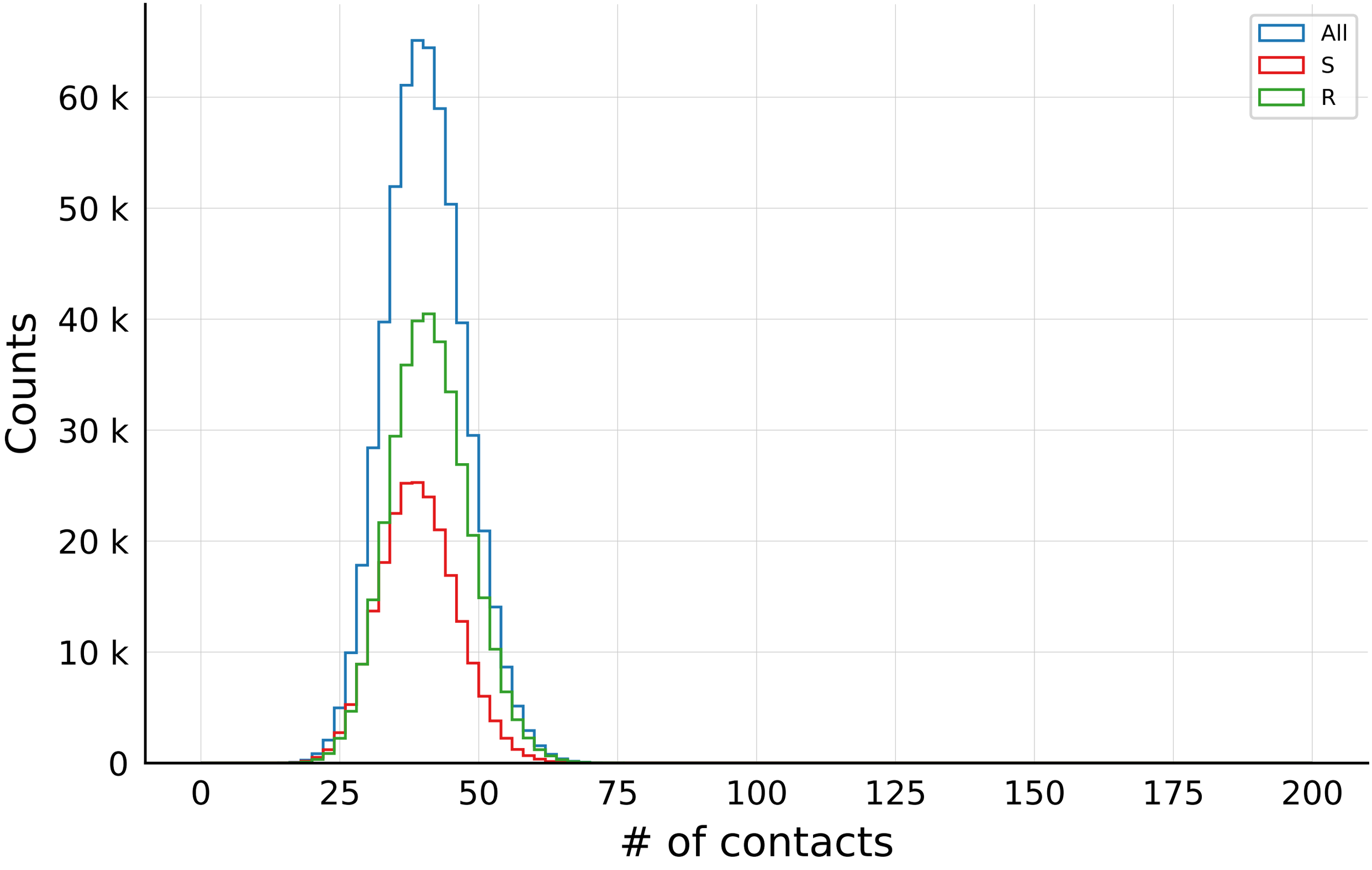
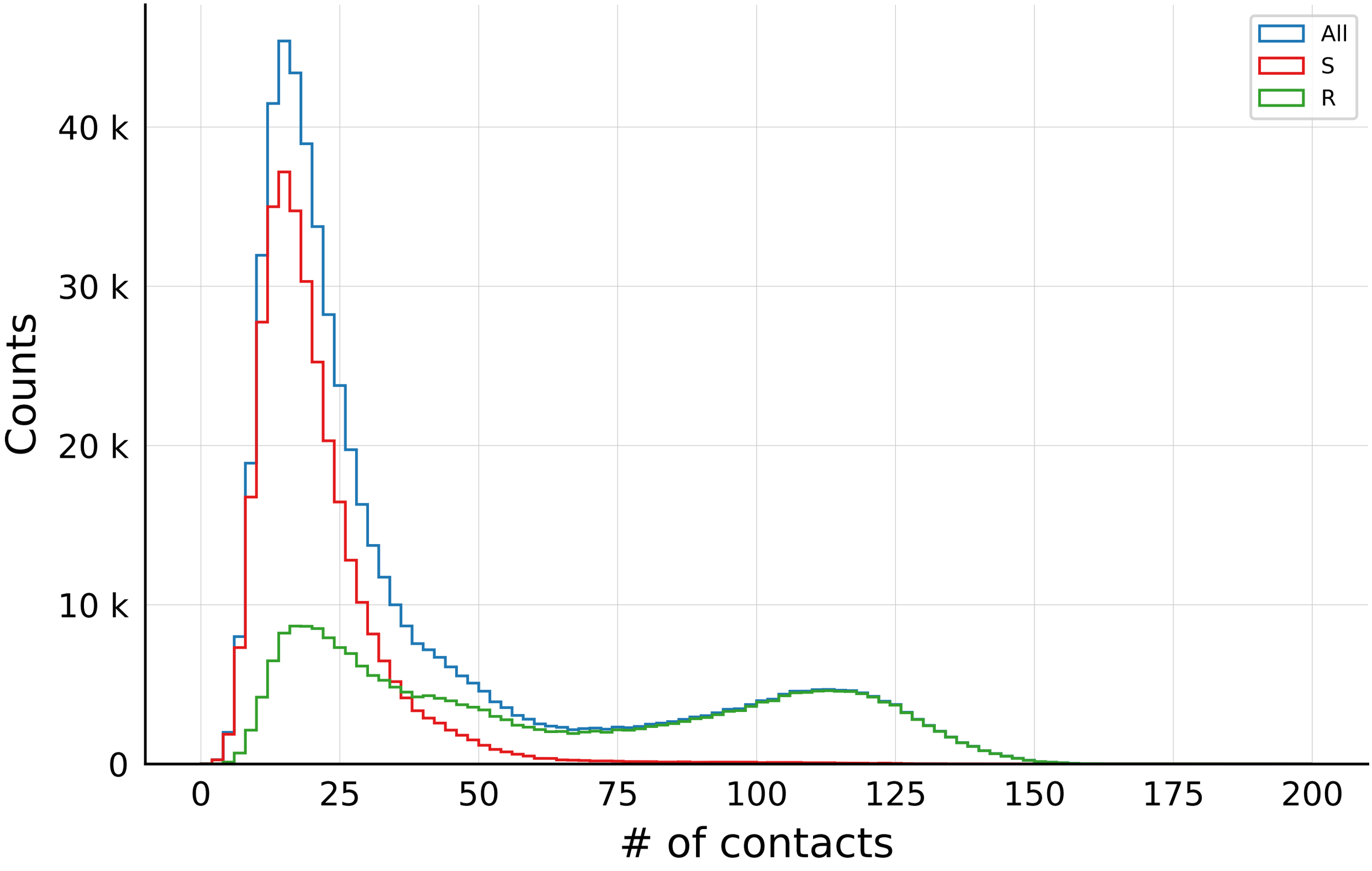
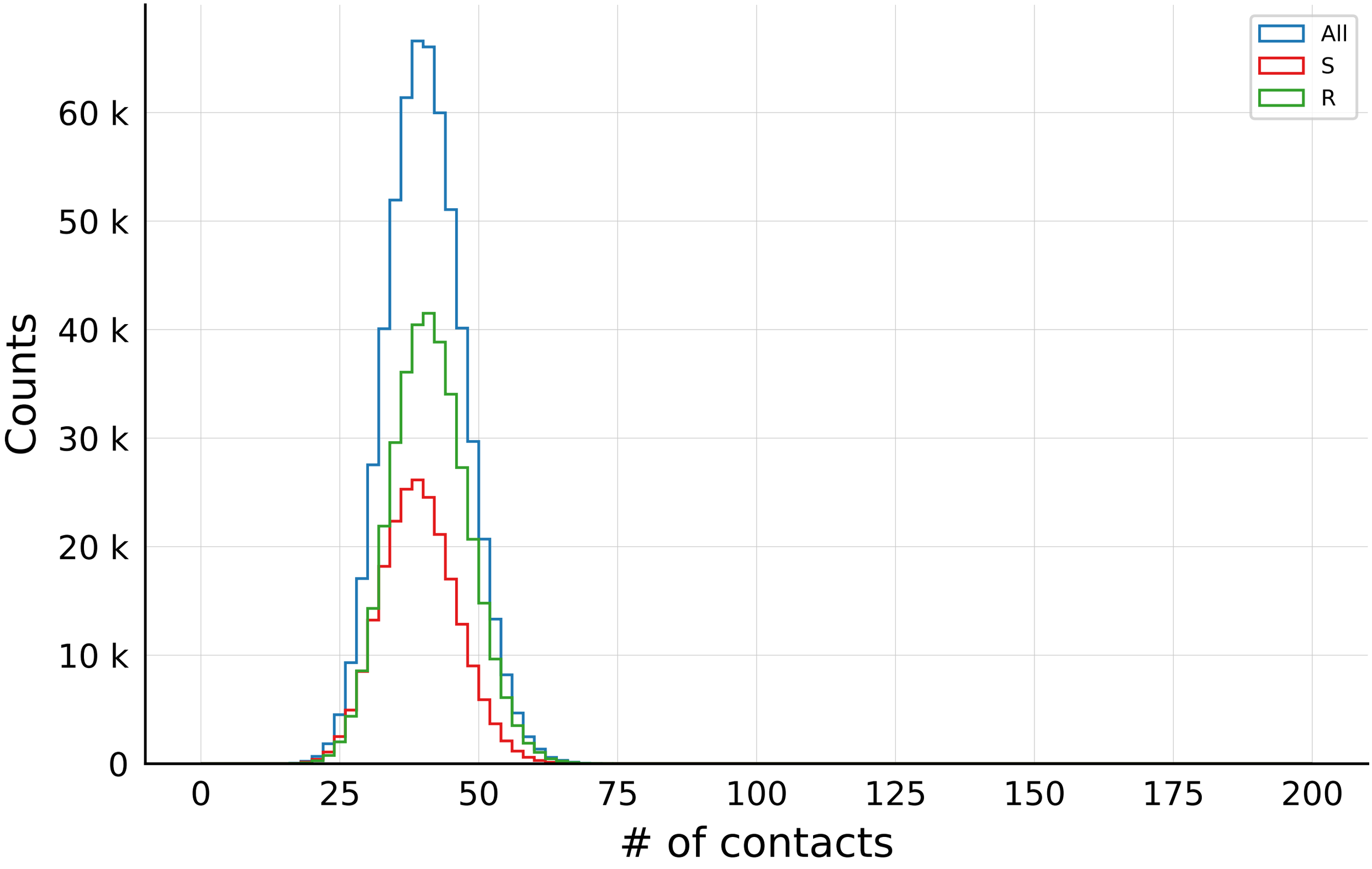


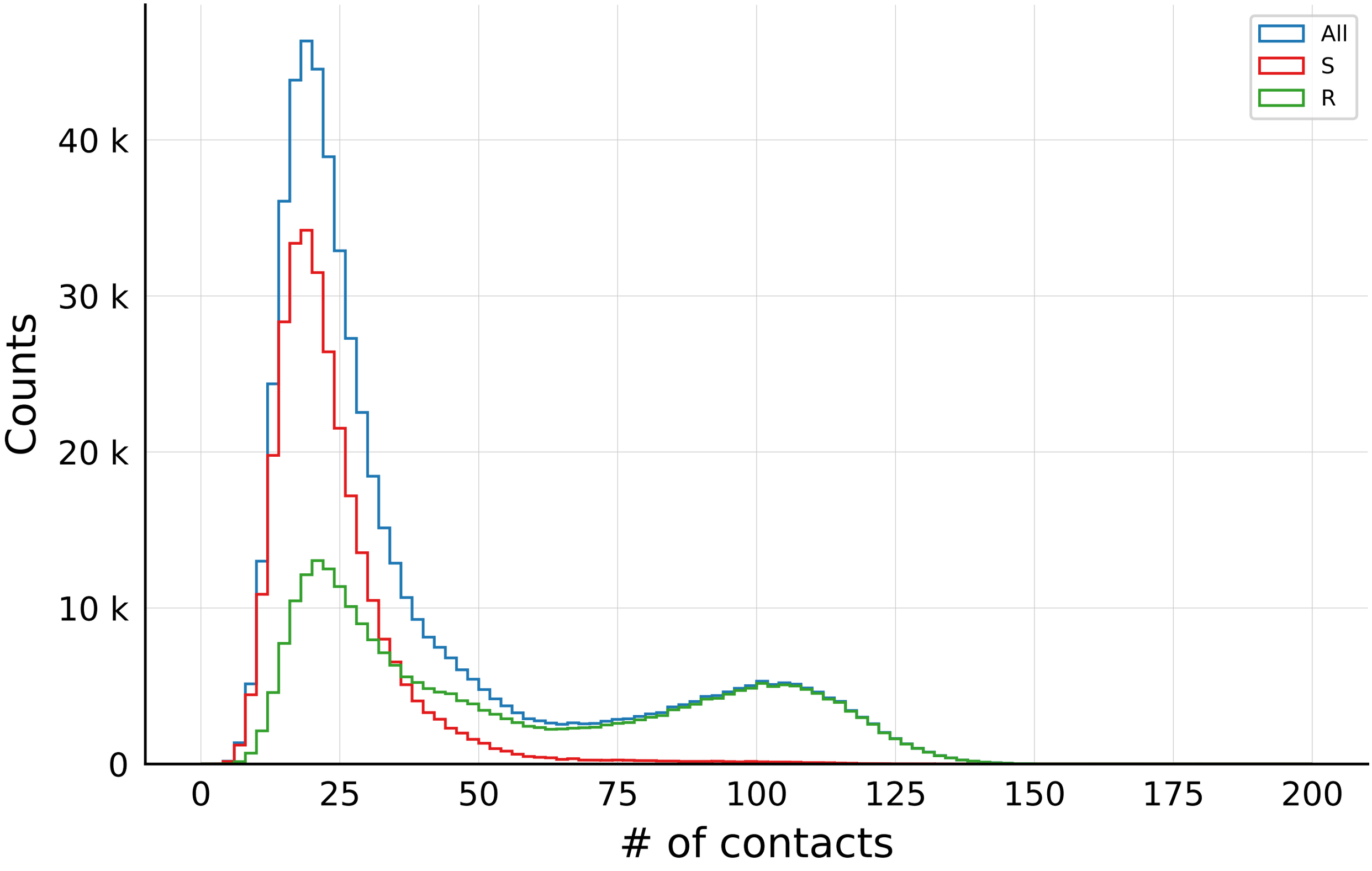
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.2,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



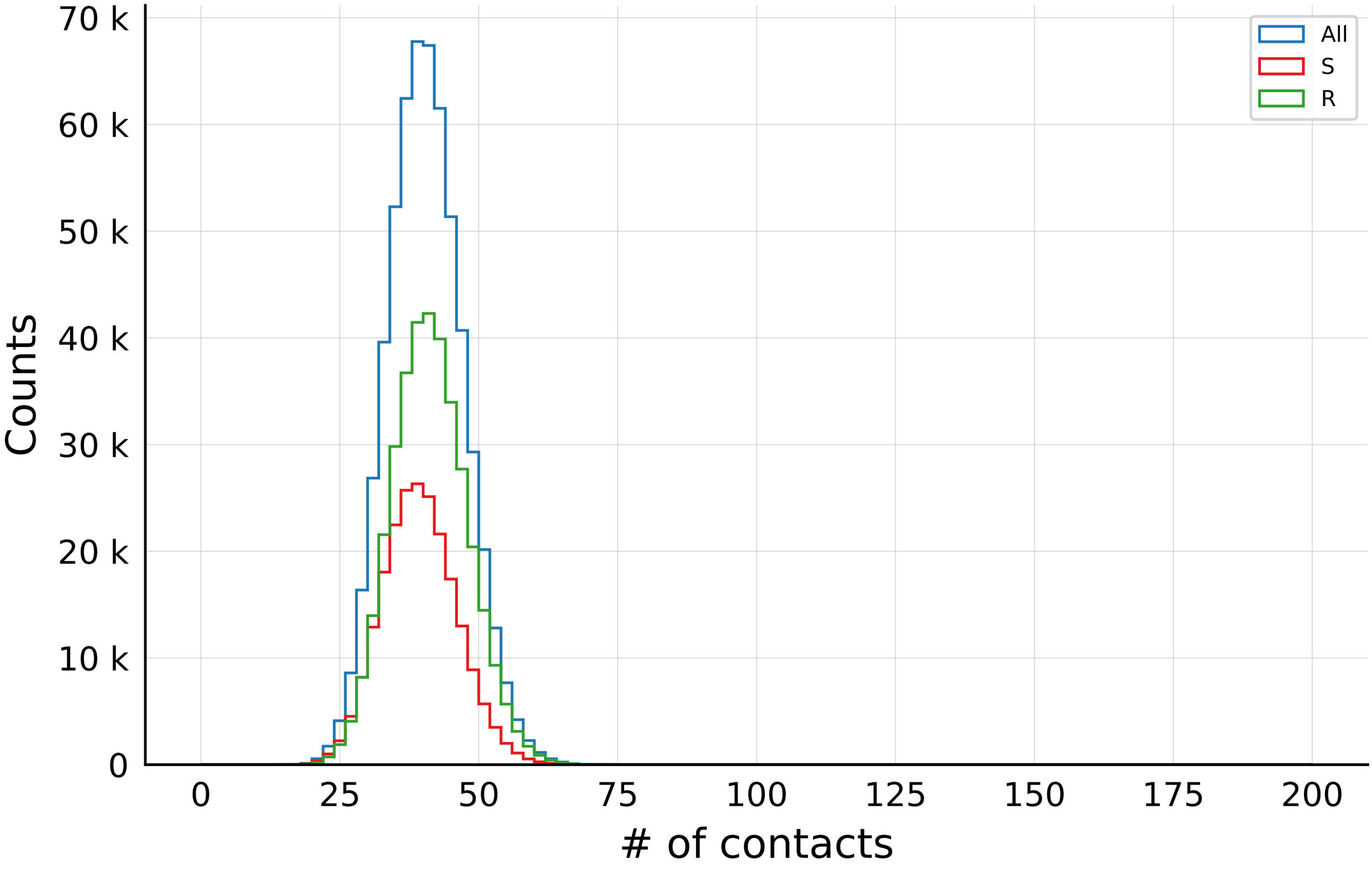
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.3,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 1,\ ID = 0$$



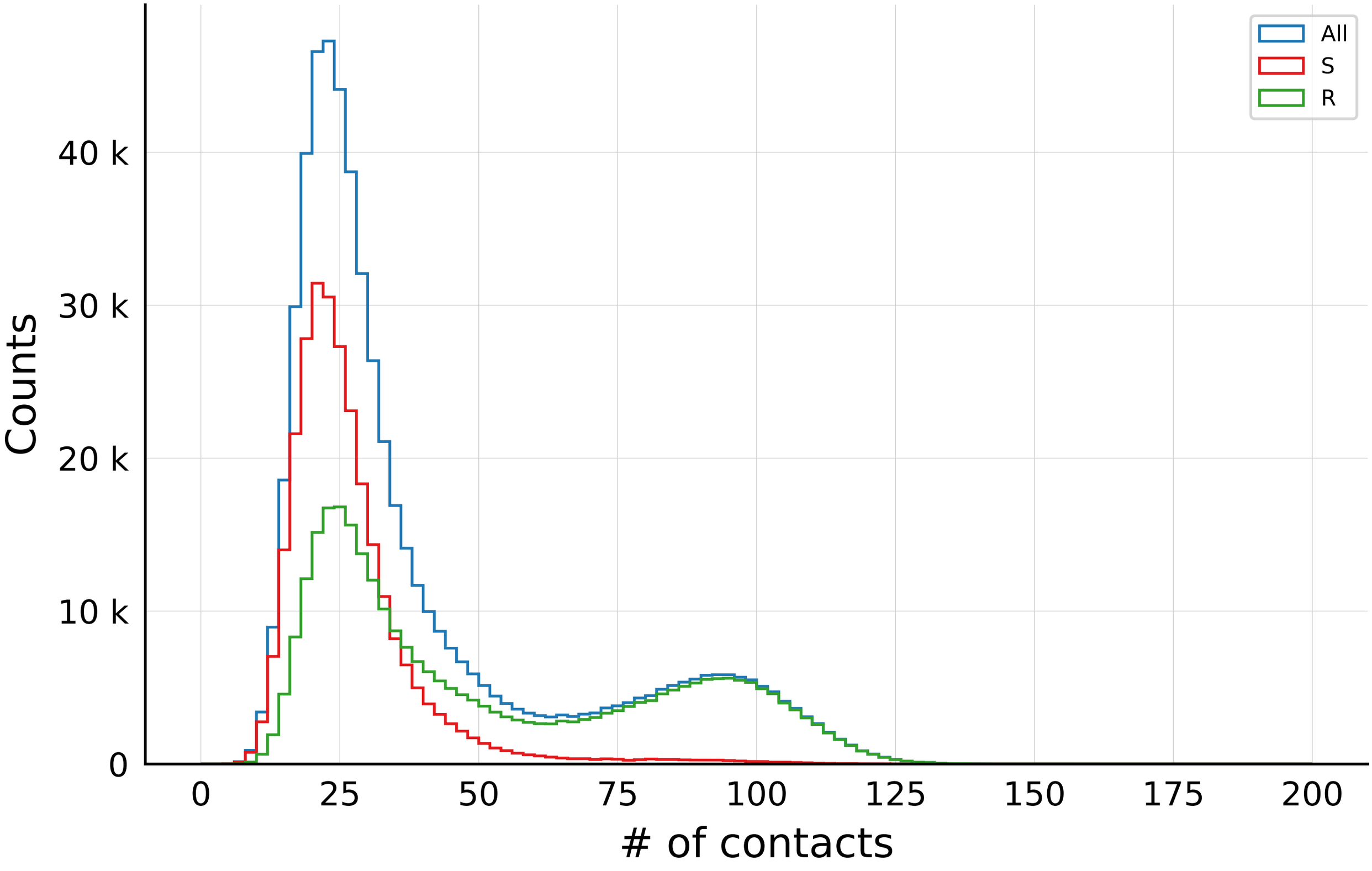
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.3,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



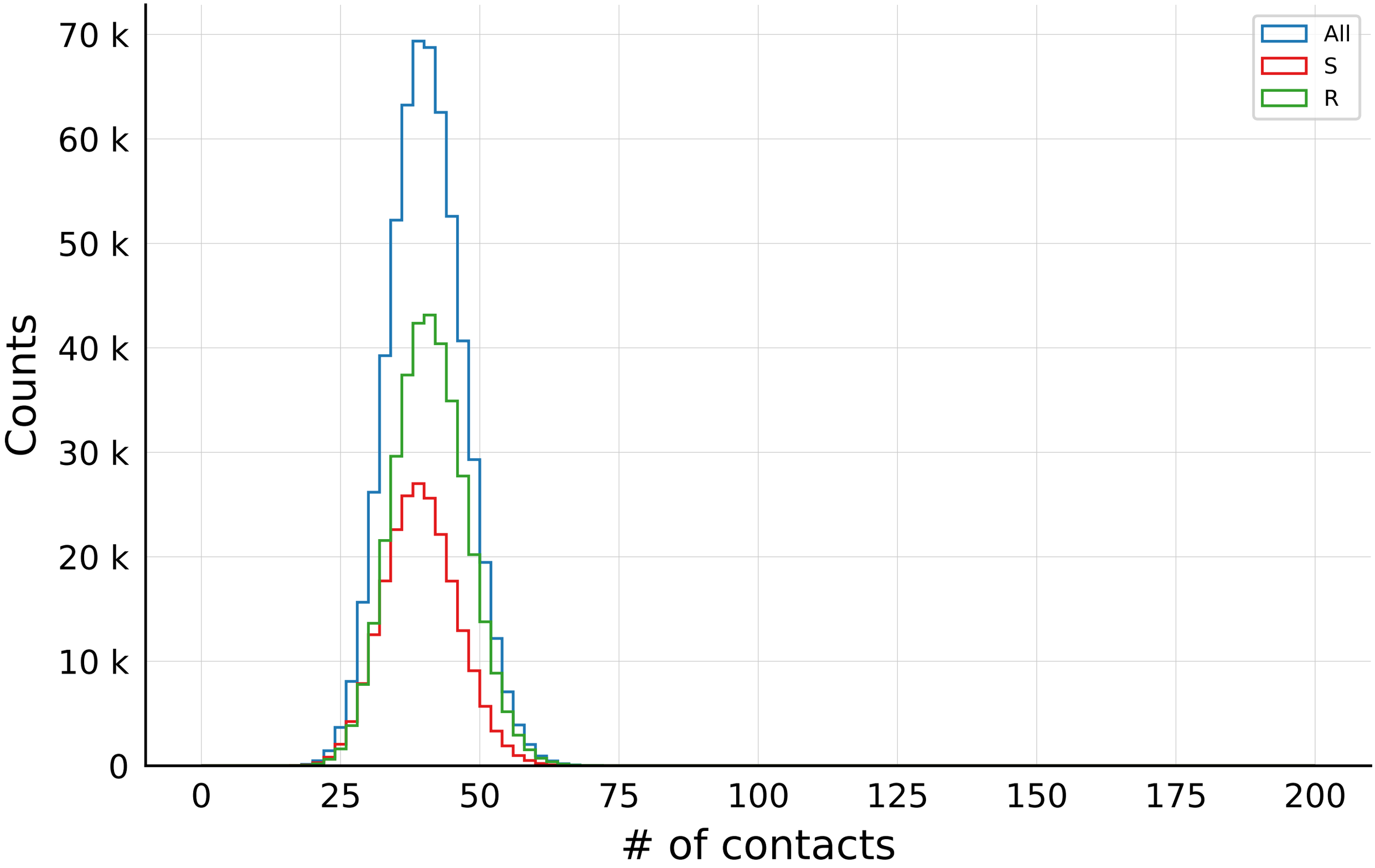
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.4,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 1,\ ID = 0$$



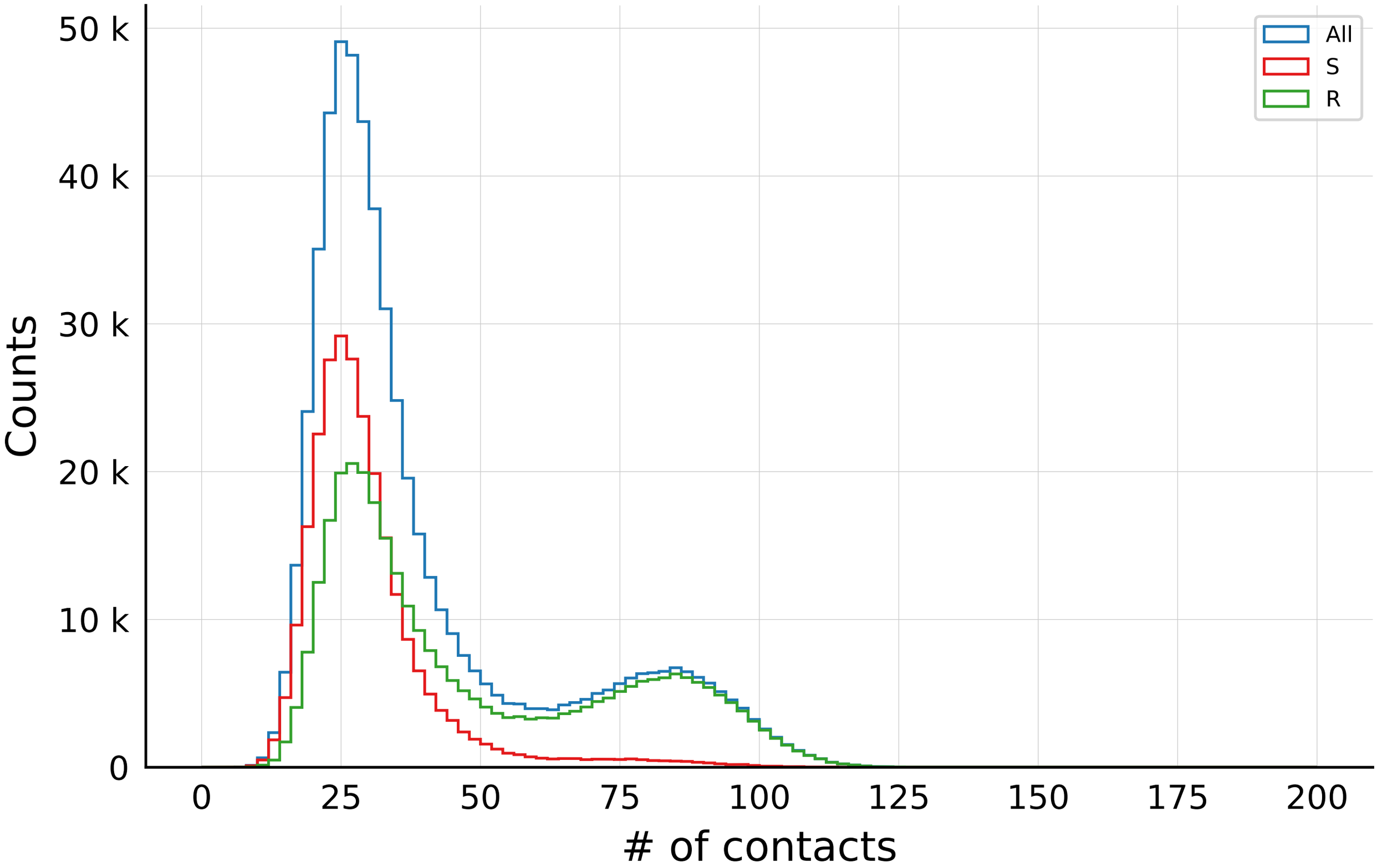
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.4,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



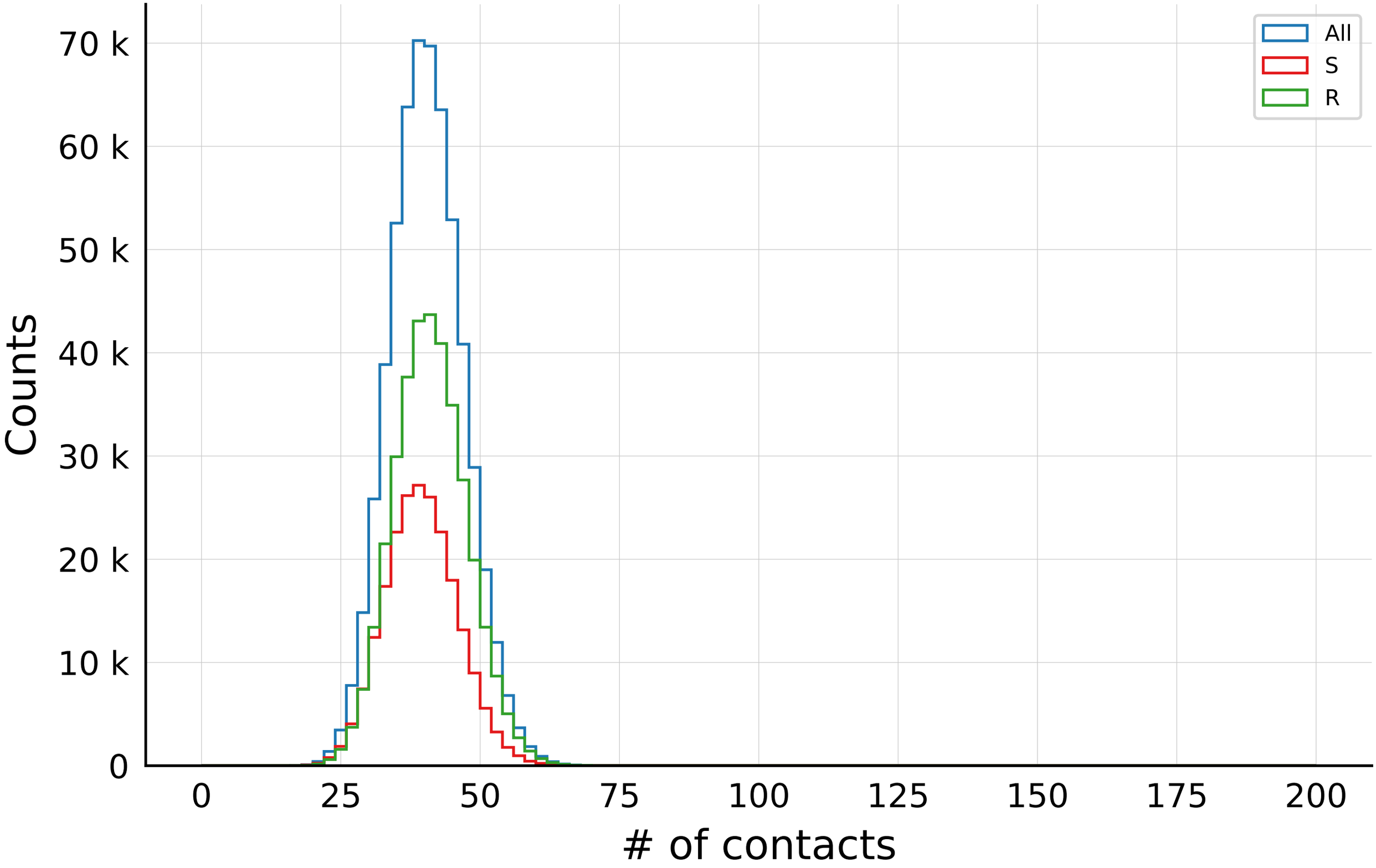
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.5,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 1,\ ID = 0$$



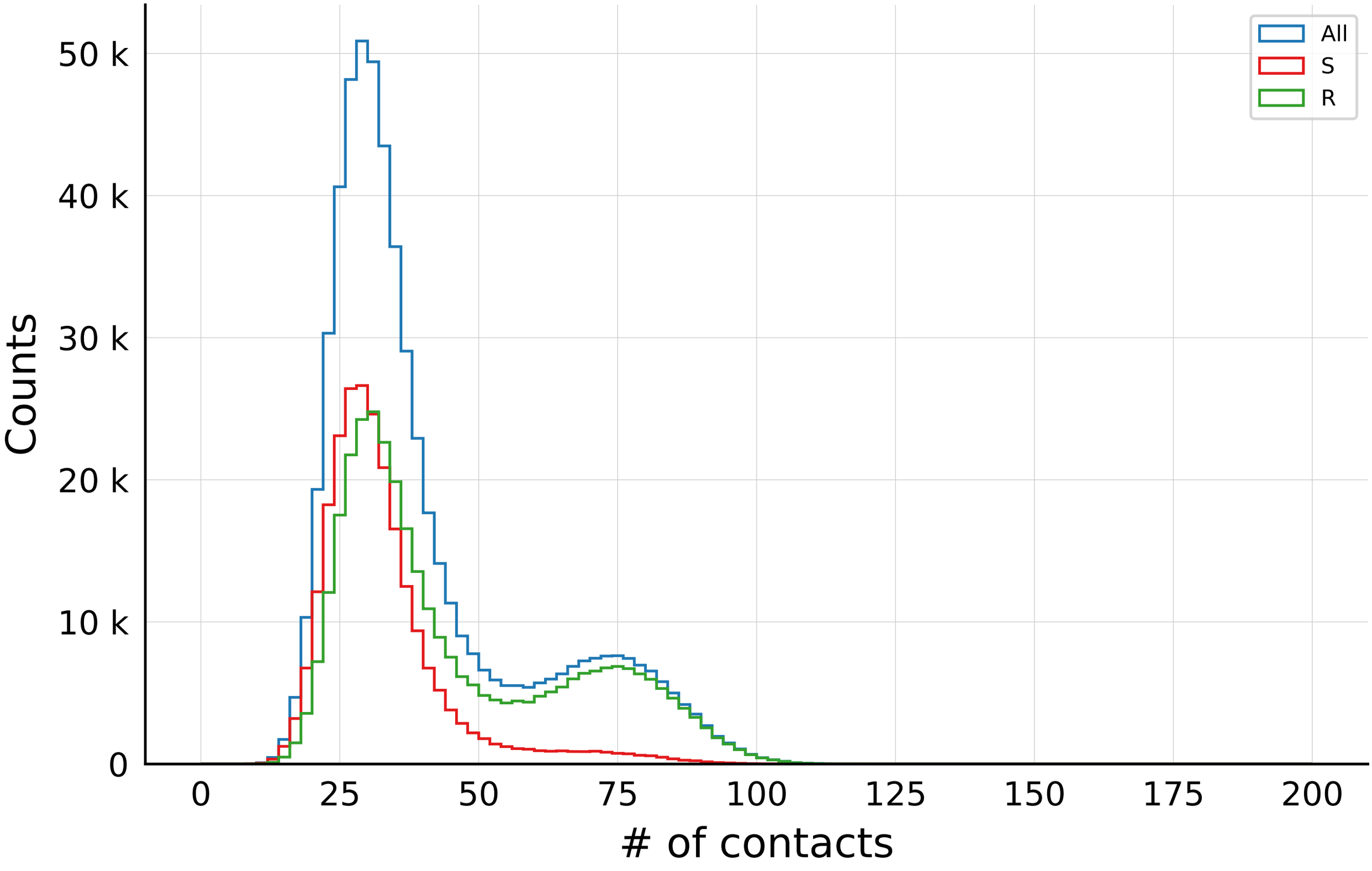
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.5,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



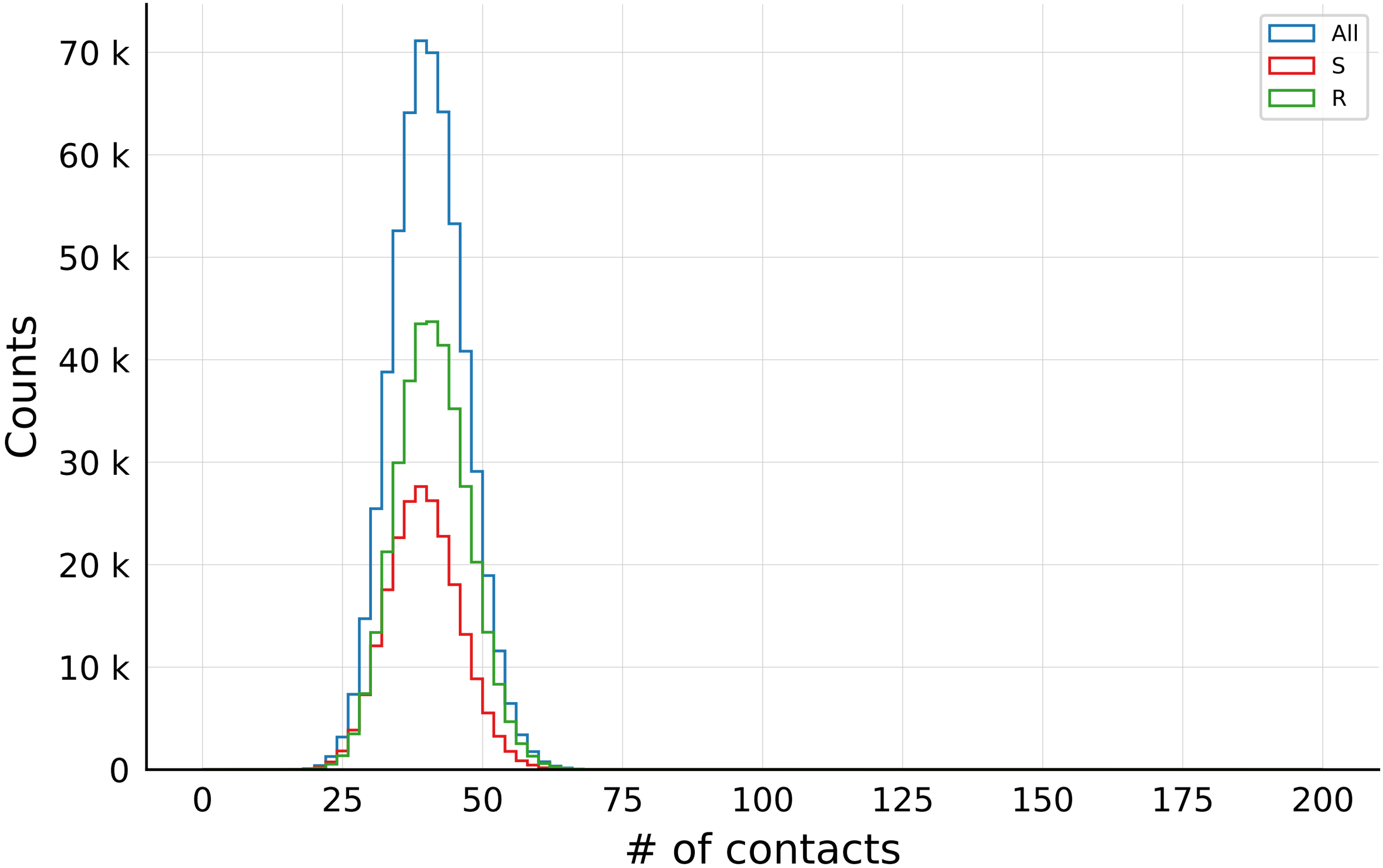
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.6,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 1,\ ID = 0$$



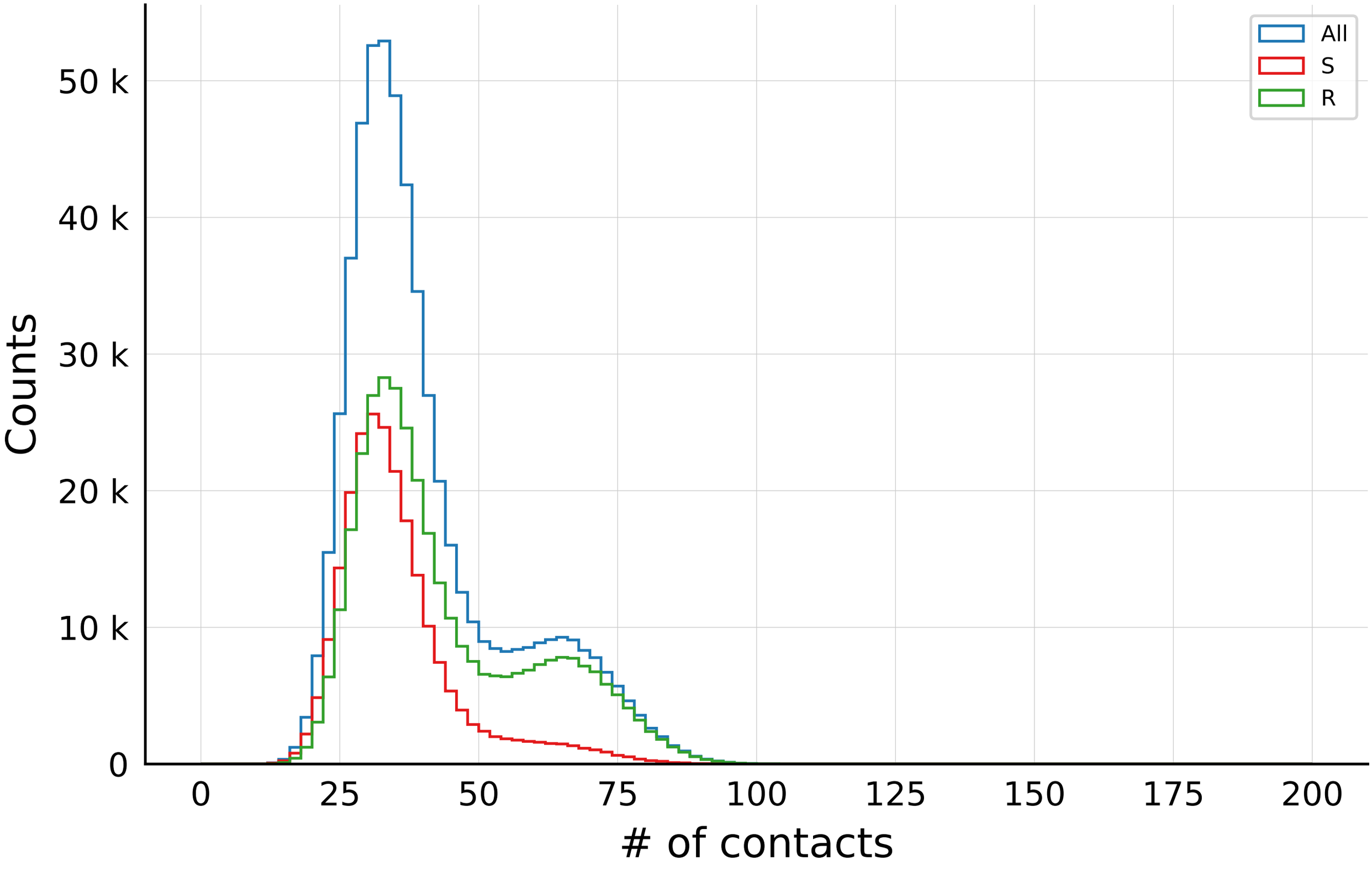
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.6,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



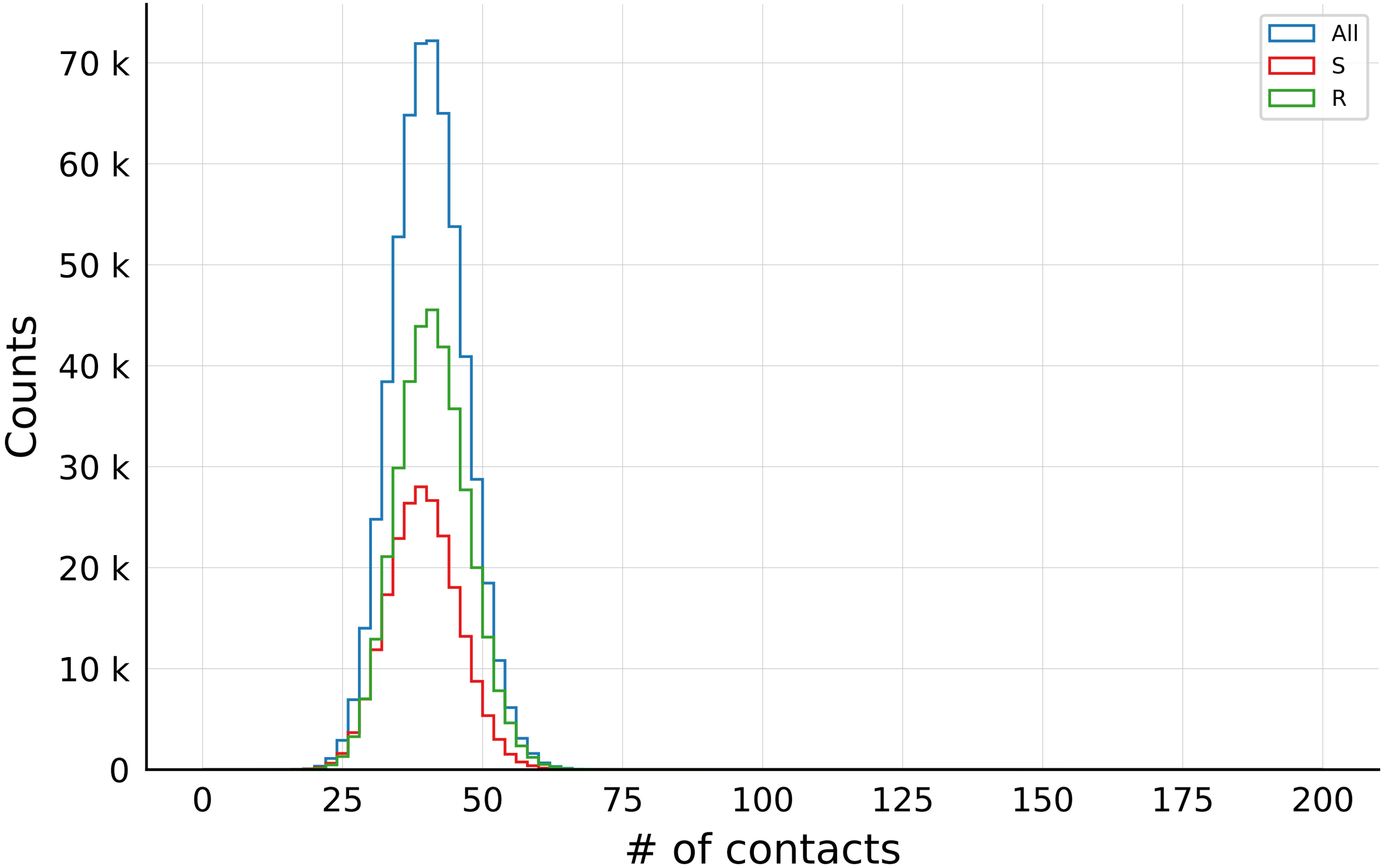
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.7,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 1,\ ID = 0$$



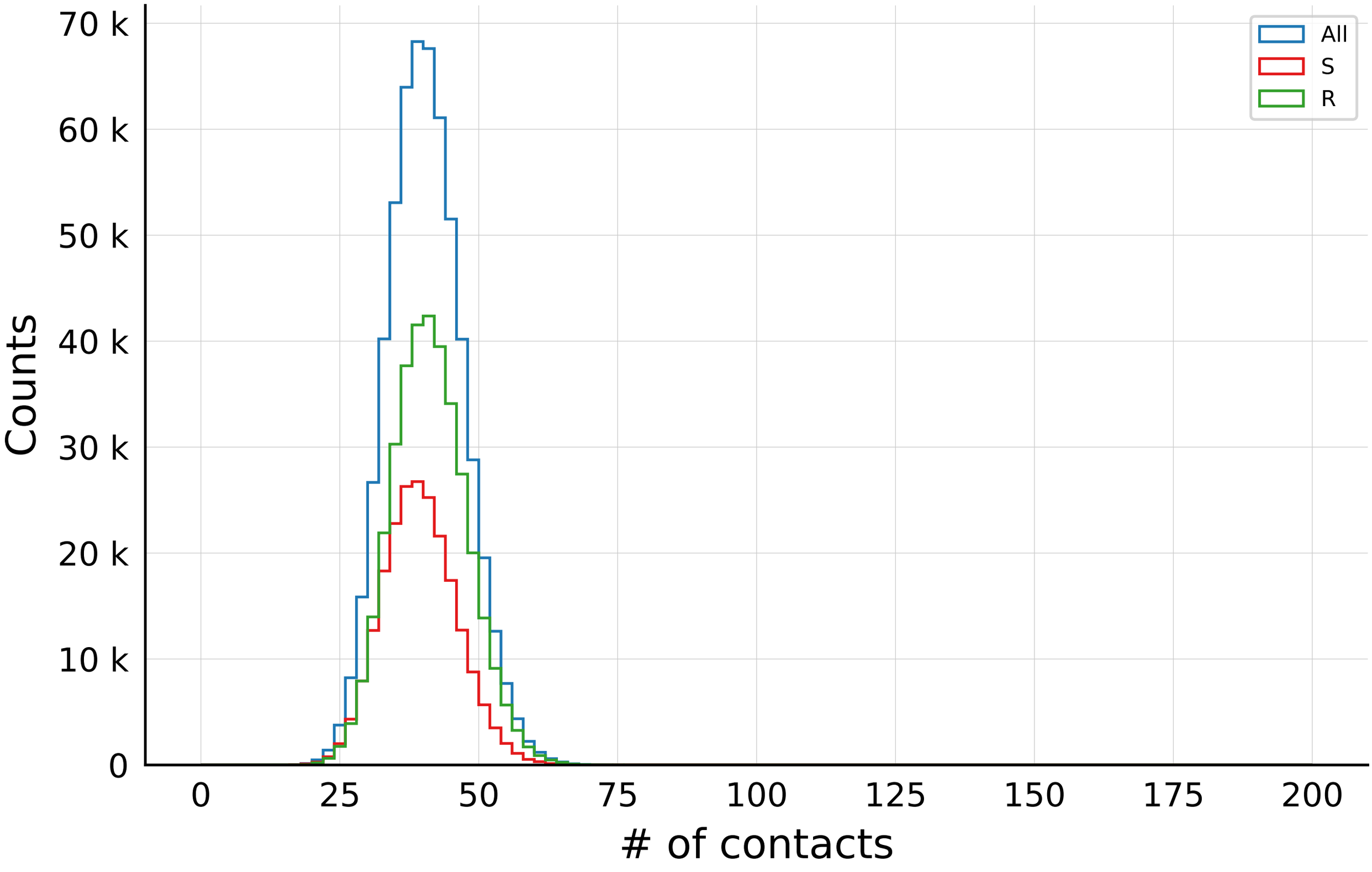
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.7,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



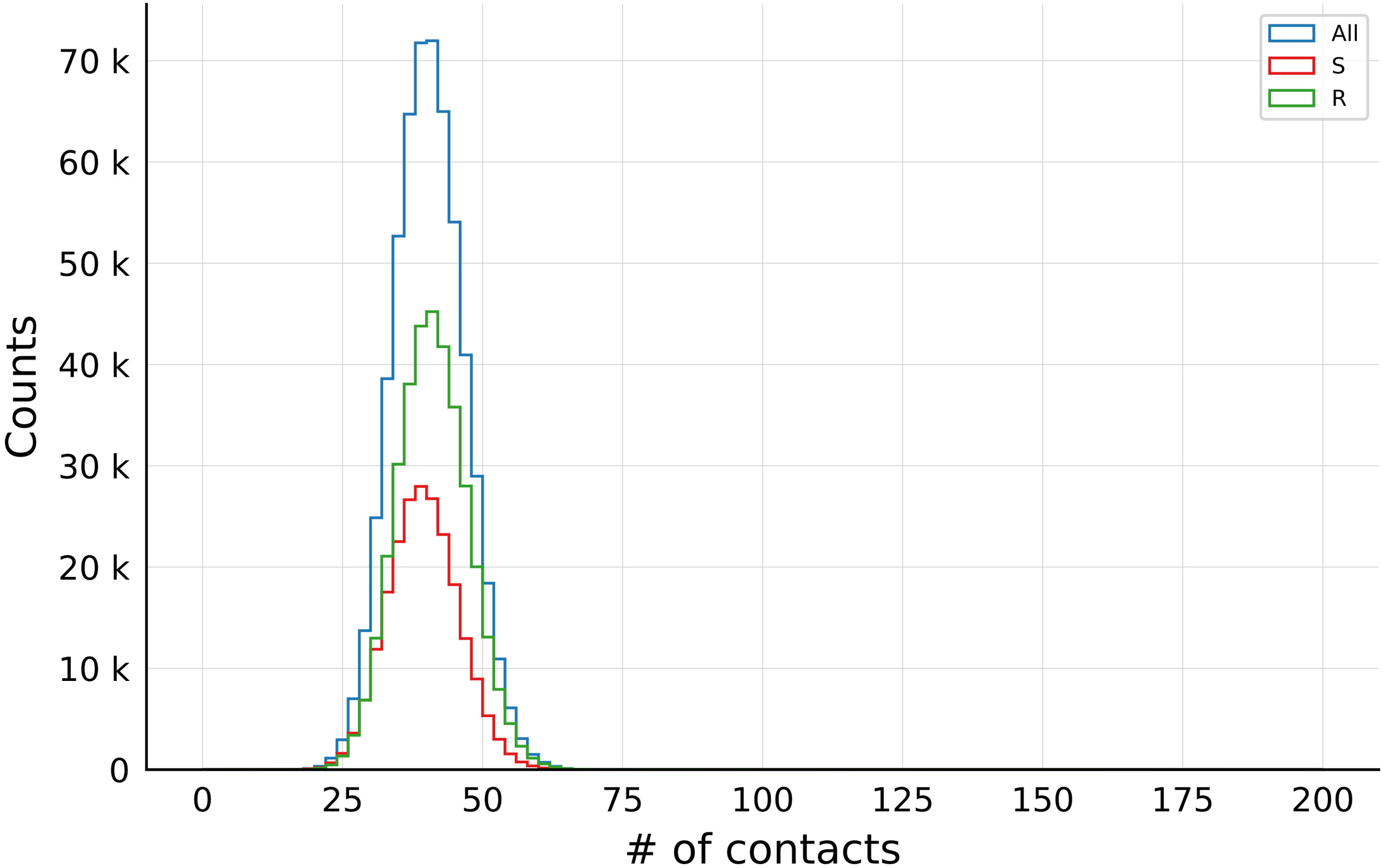
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.95,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 1,\ ID = 0$$



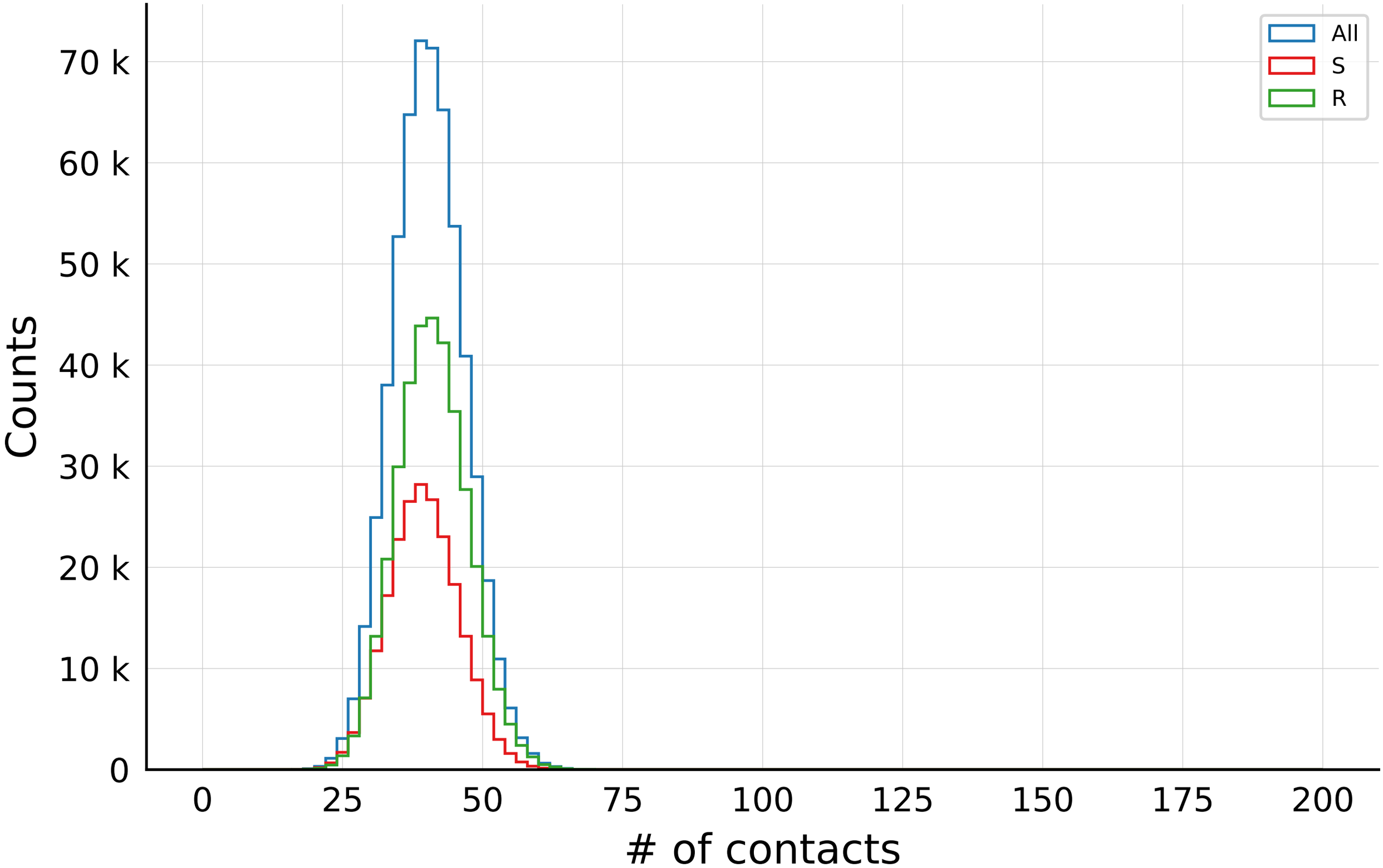
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.95,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



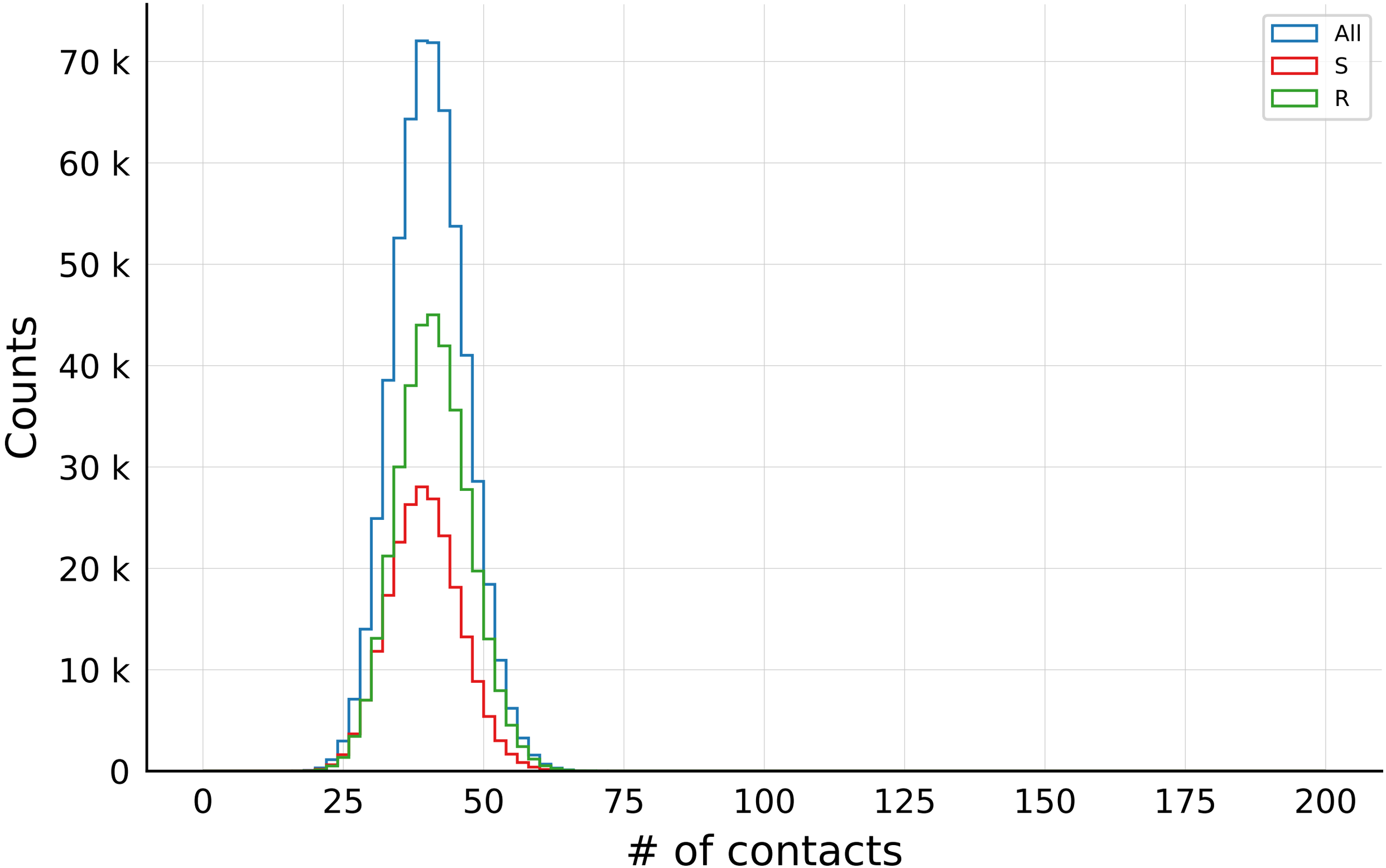
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.99,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 1,\ ID = 0$$



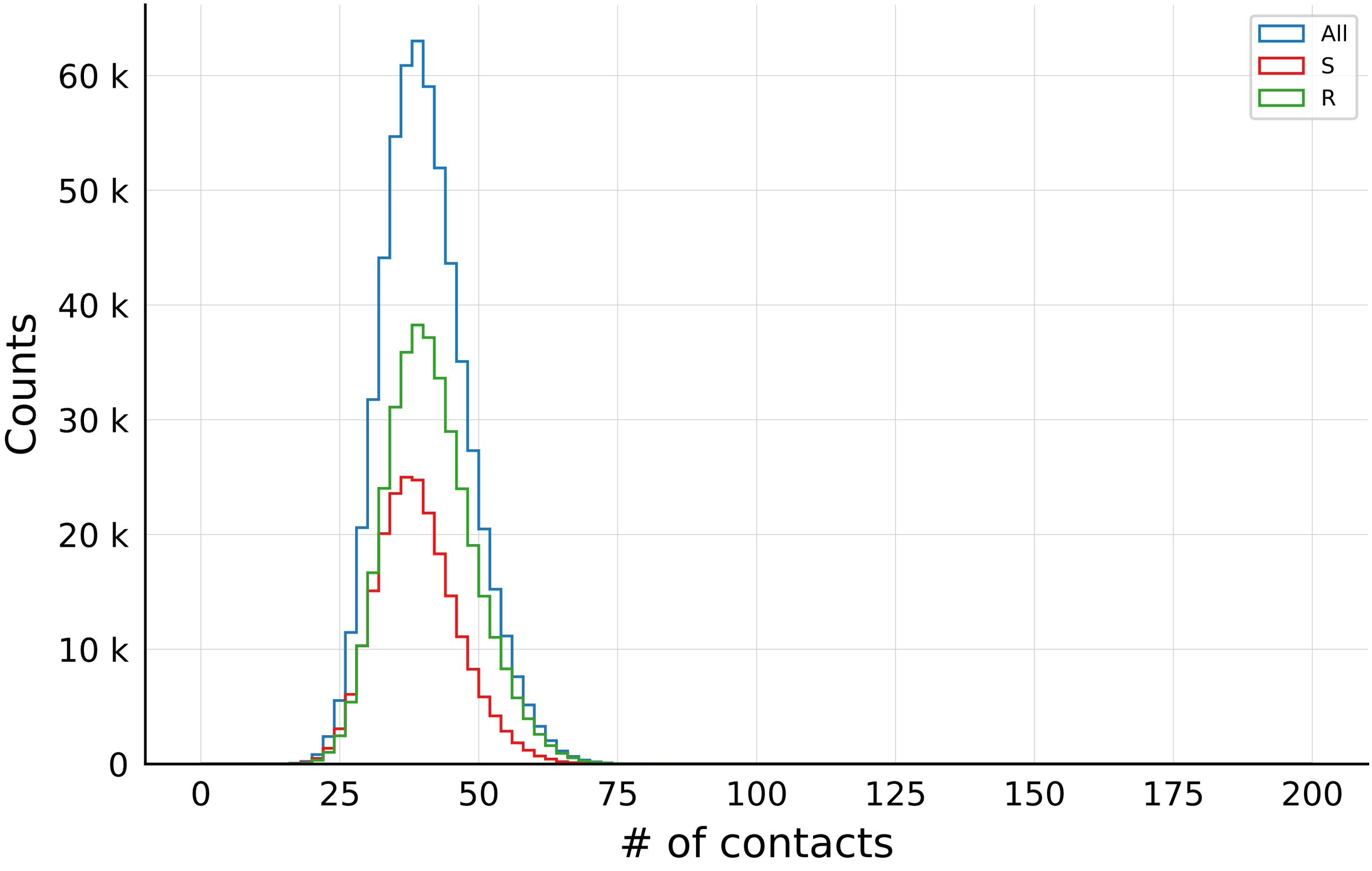
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.99,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



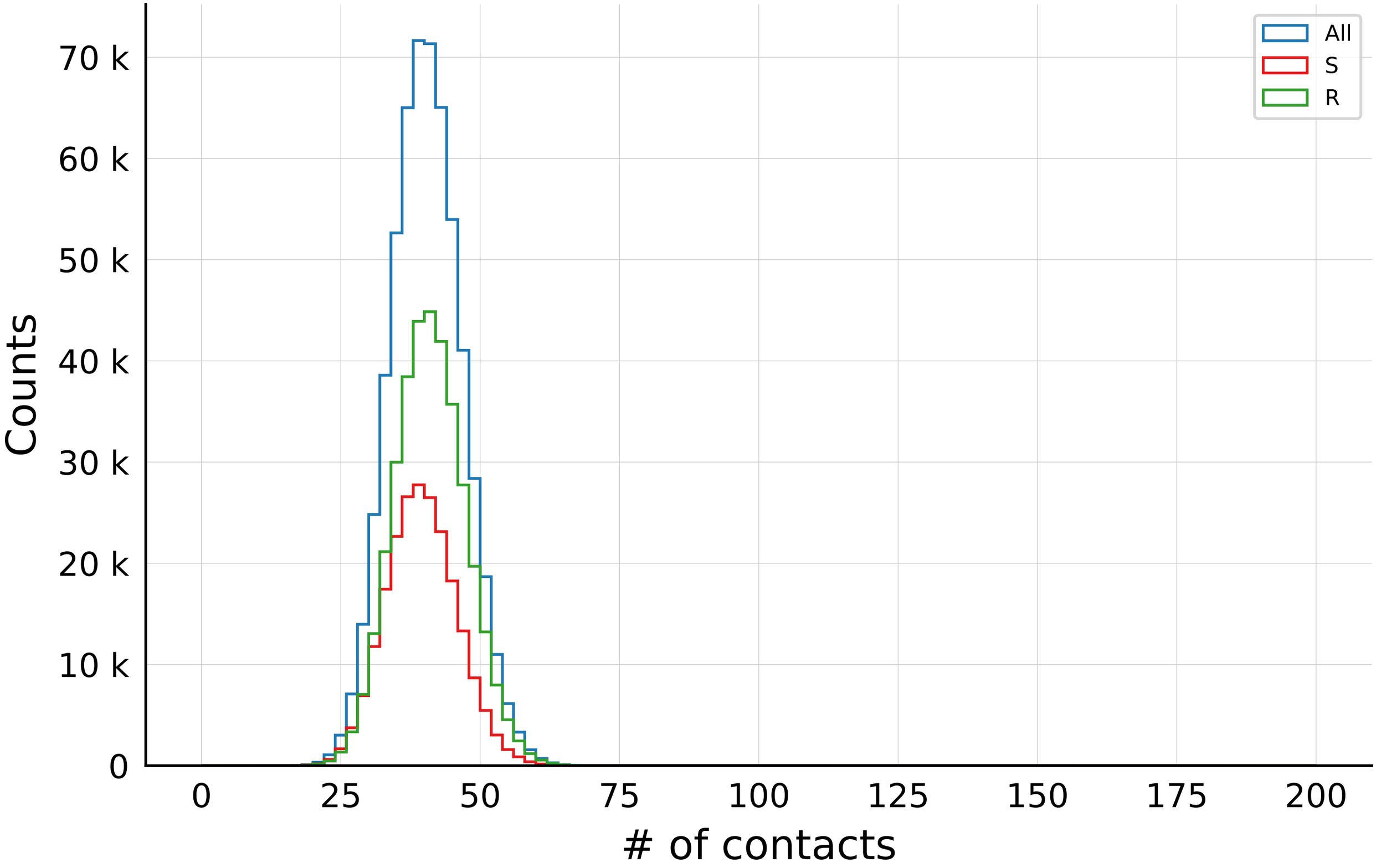
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.9,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 1,\ ID = 0$$



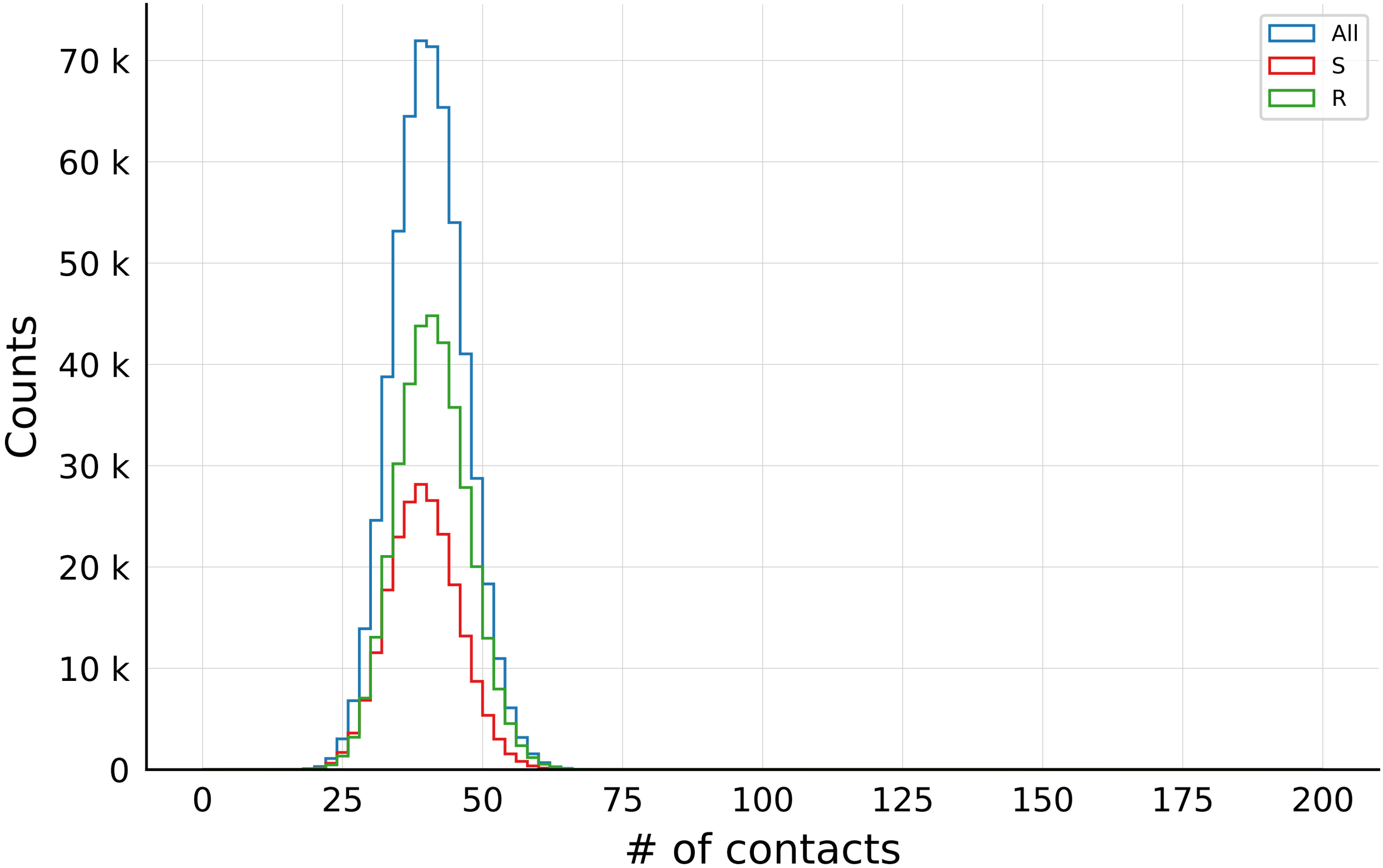
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 0.9,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



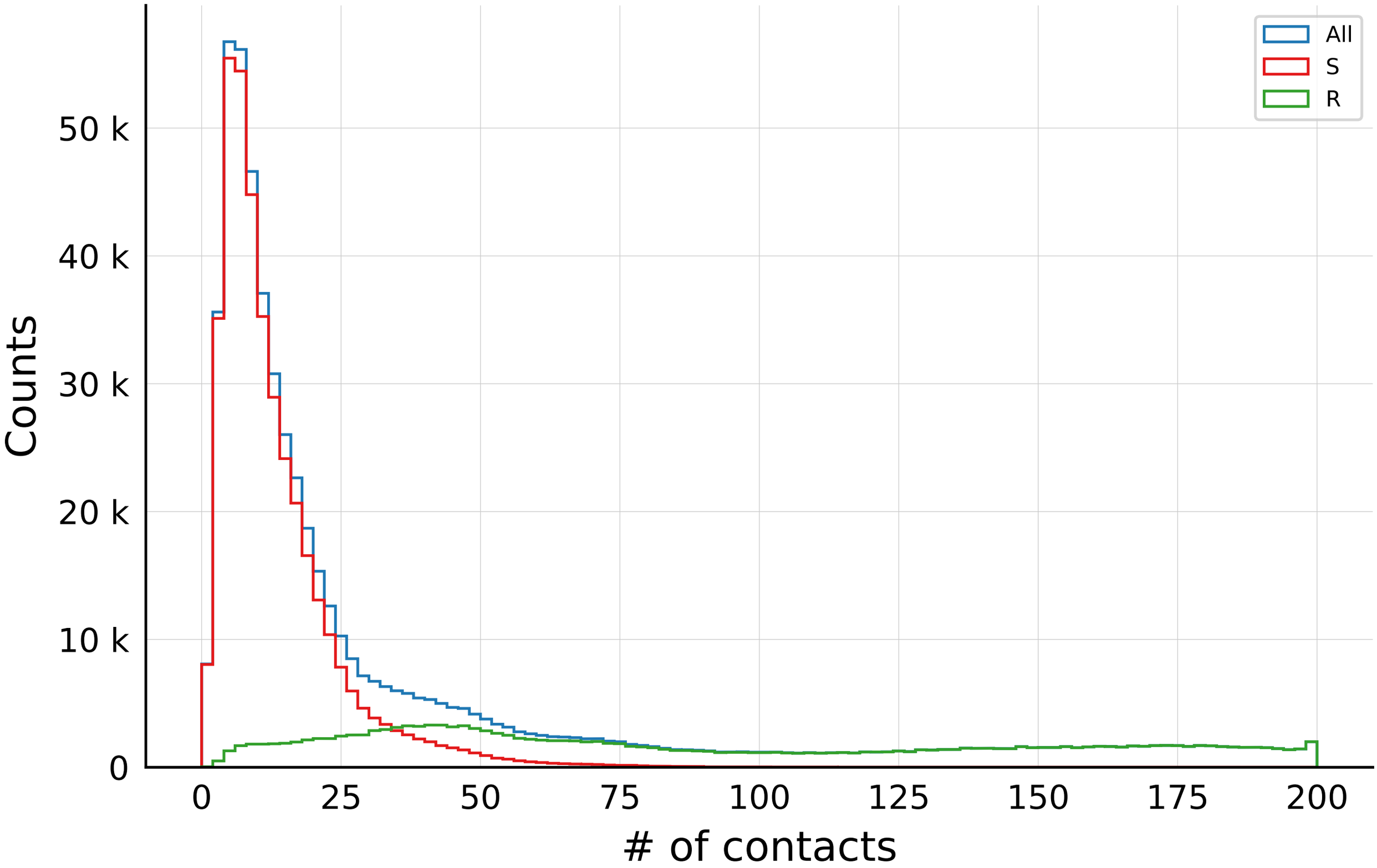
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 1.0,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 1,\ ID = 0$$



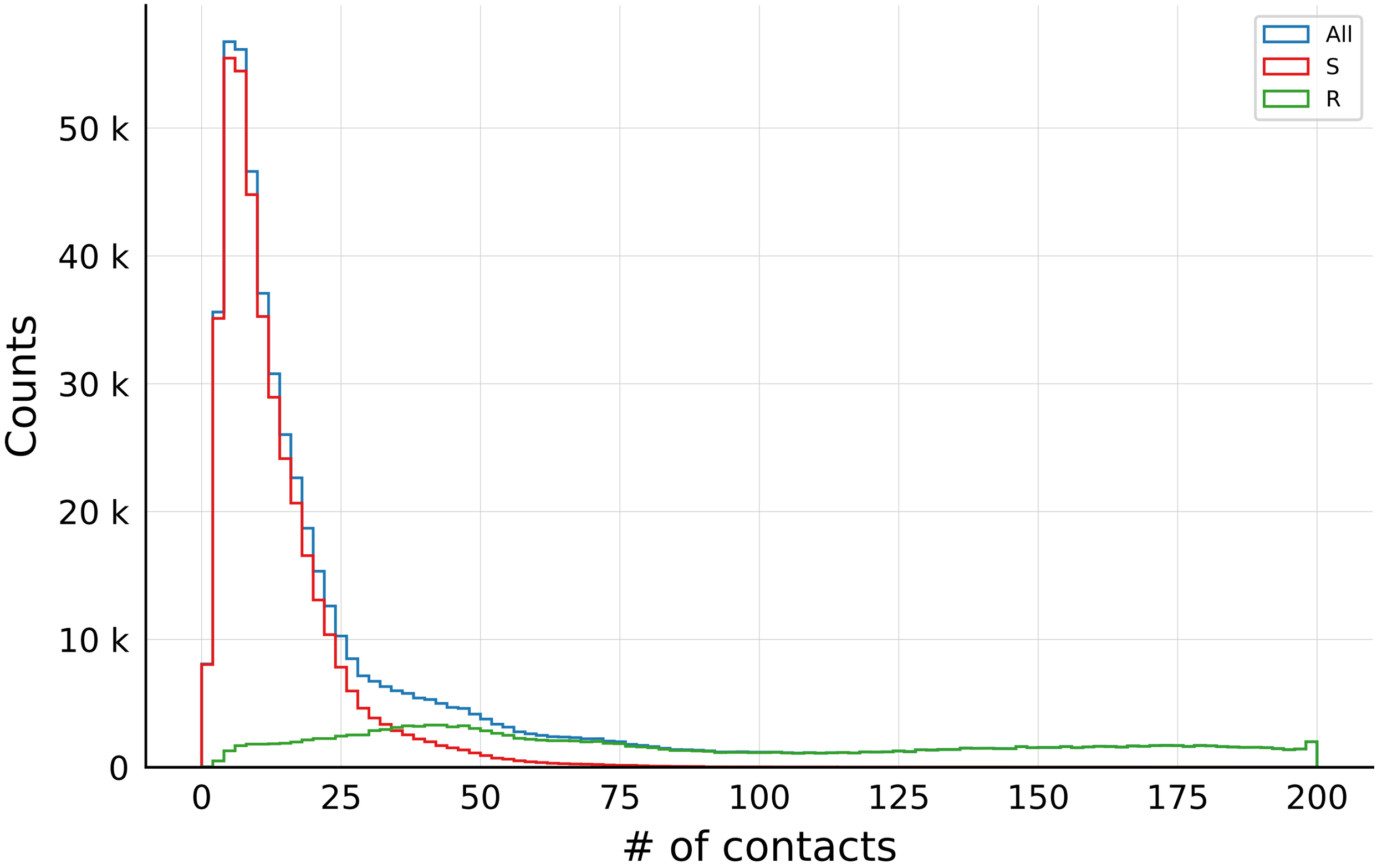
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.1,\ \epsilon_\rho = 1.0,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



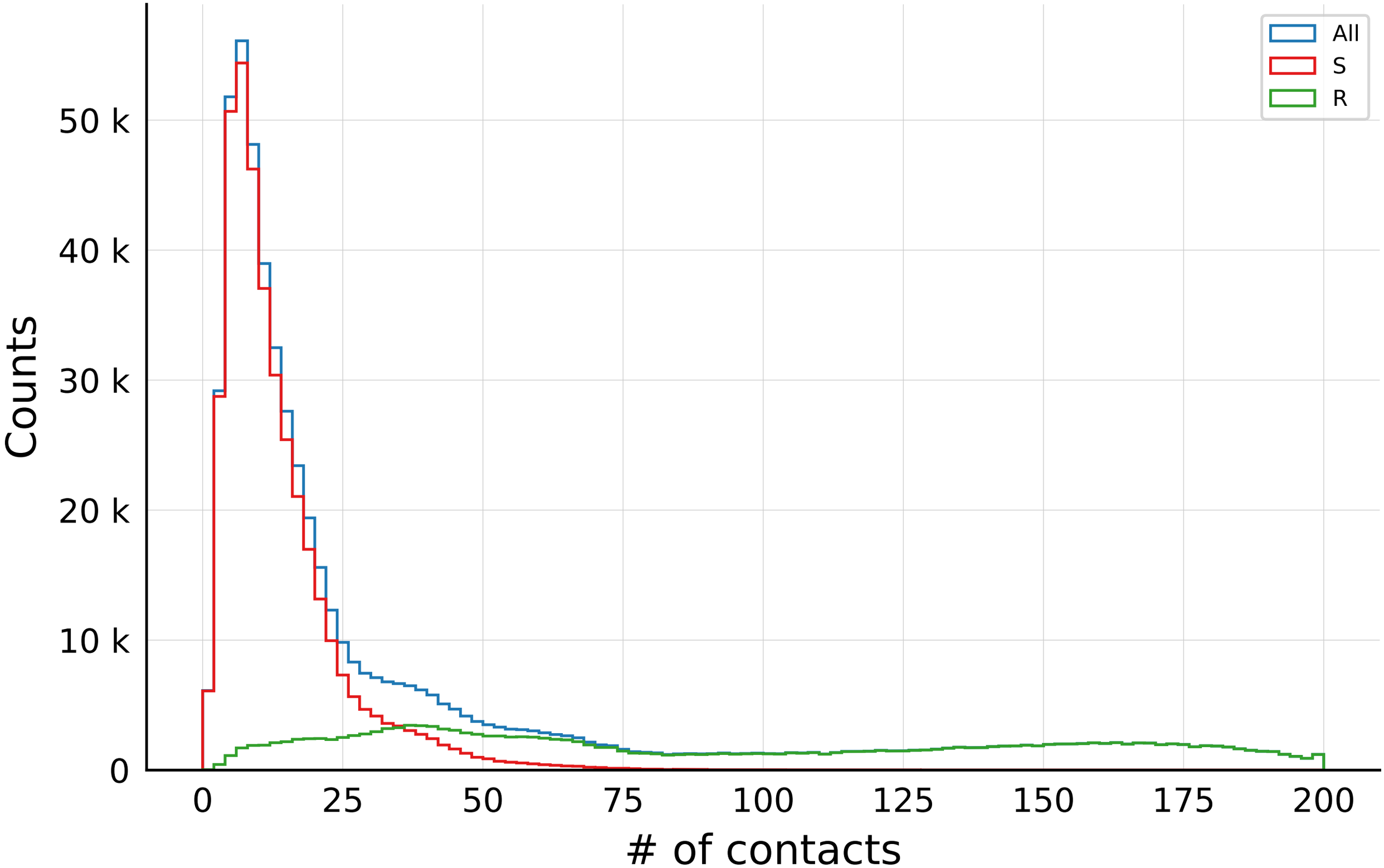
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.25,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.005,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



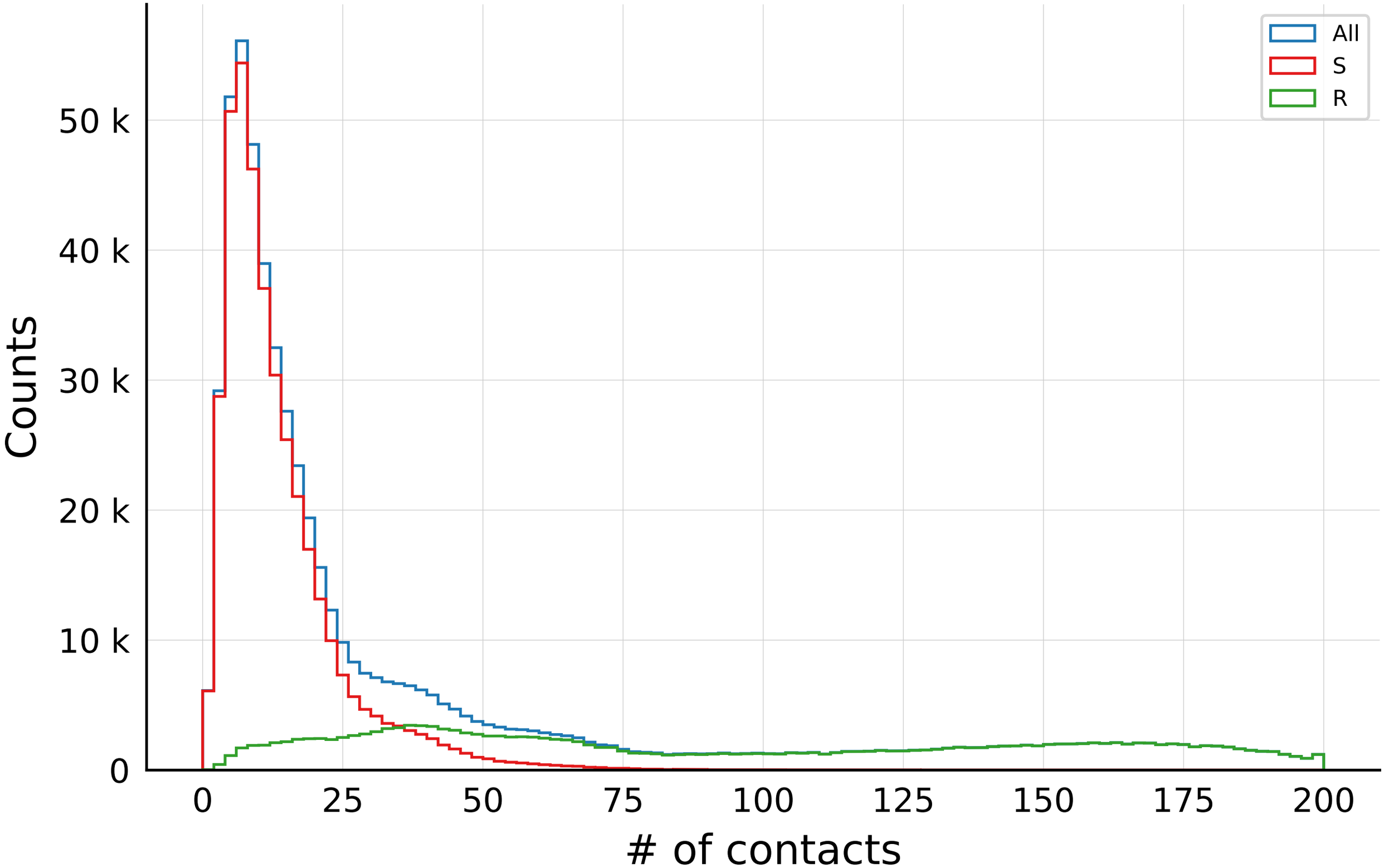
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.25,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



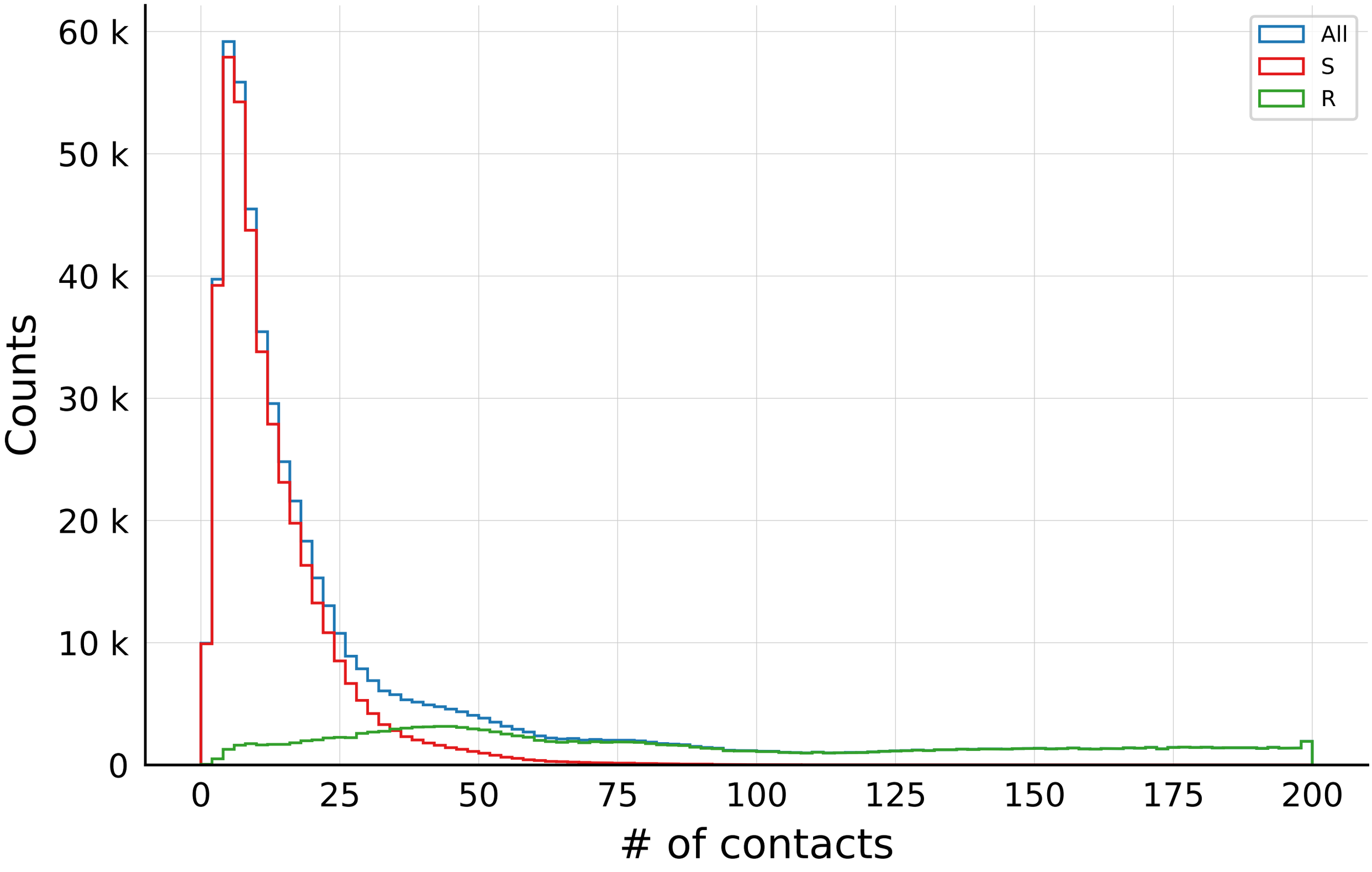
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.2,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.005,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



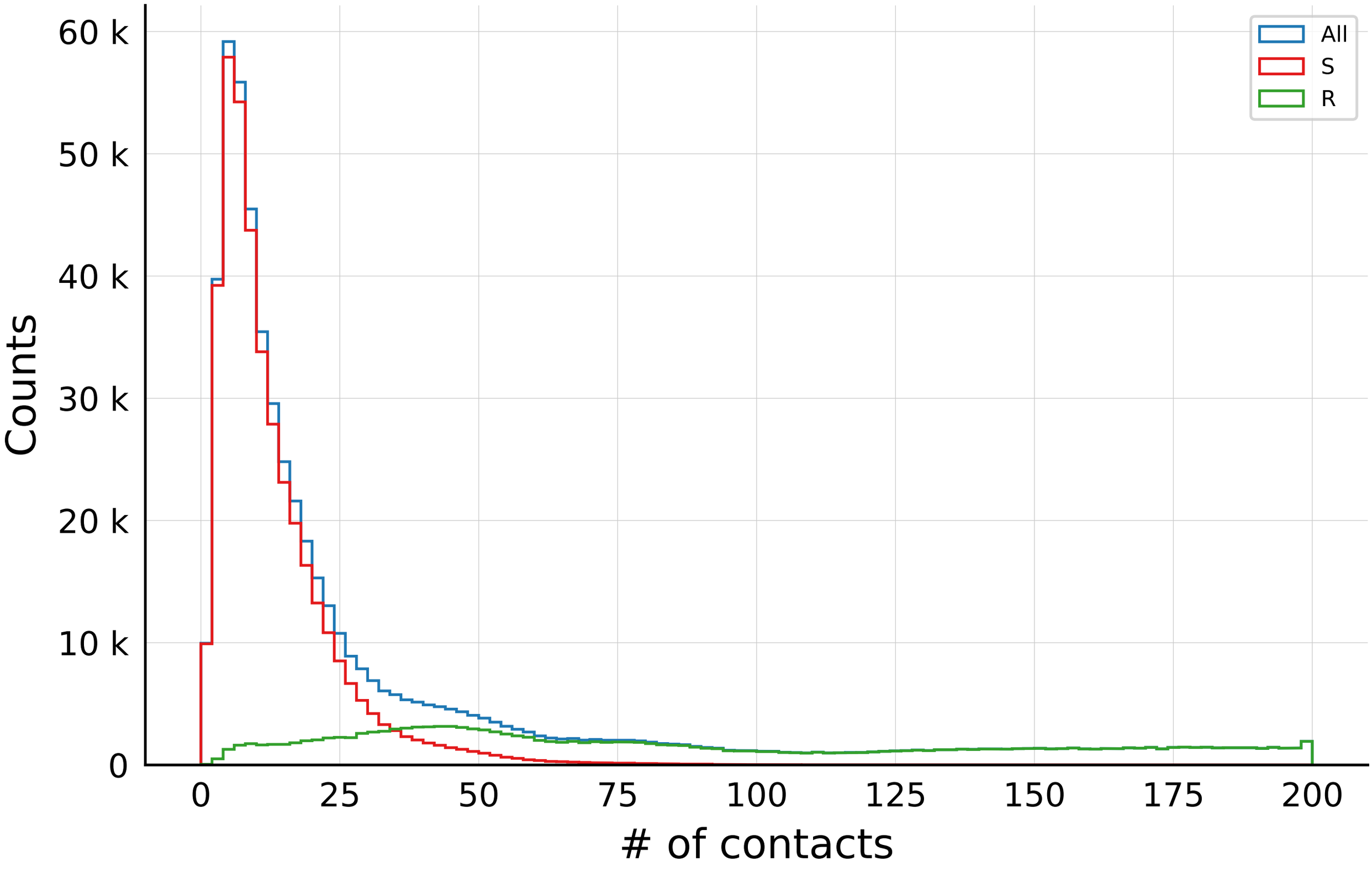
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.2,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



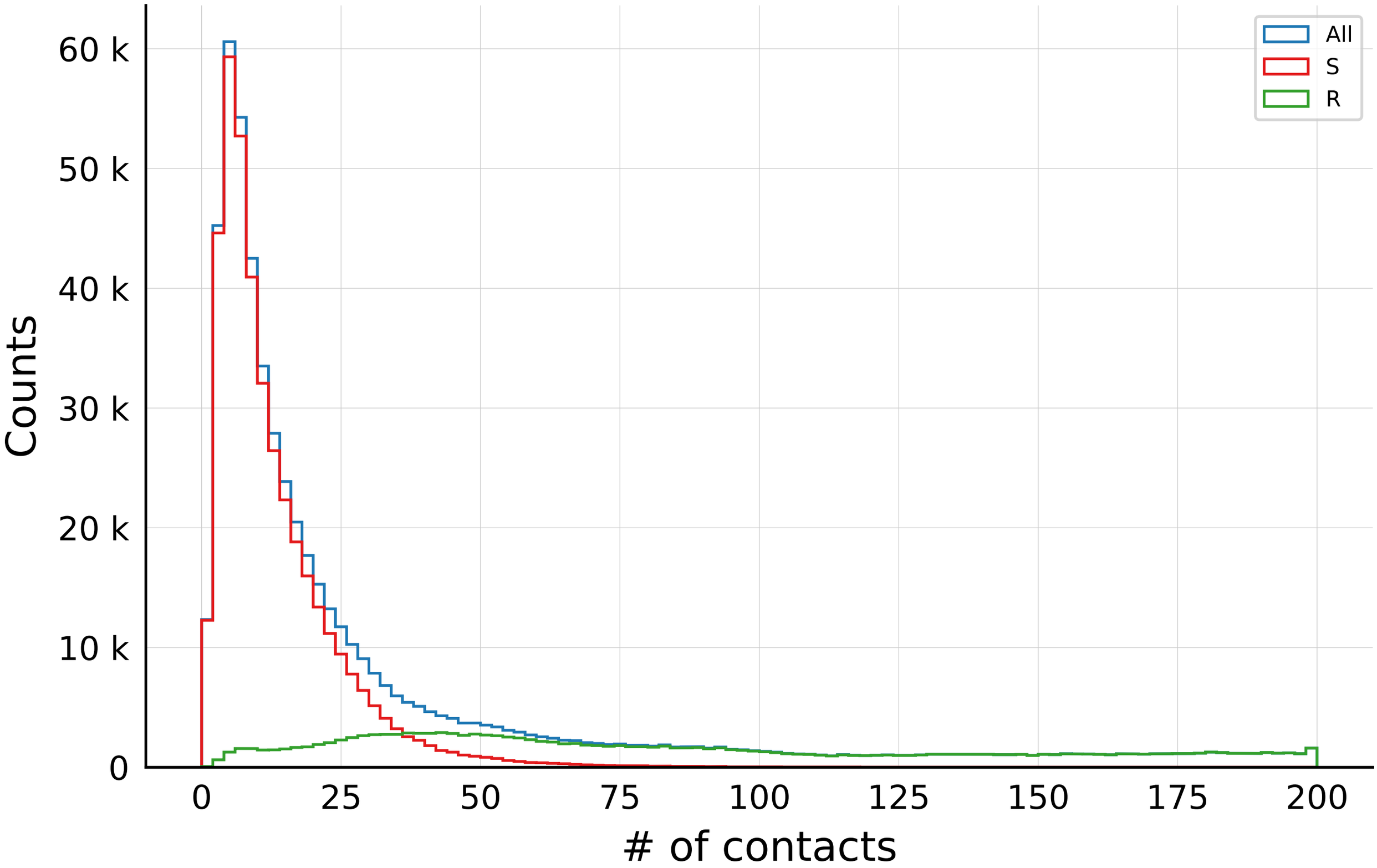
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.3,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.005,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



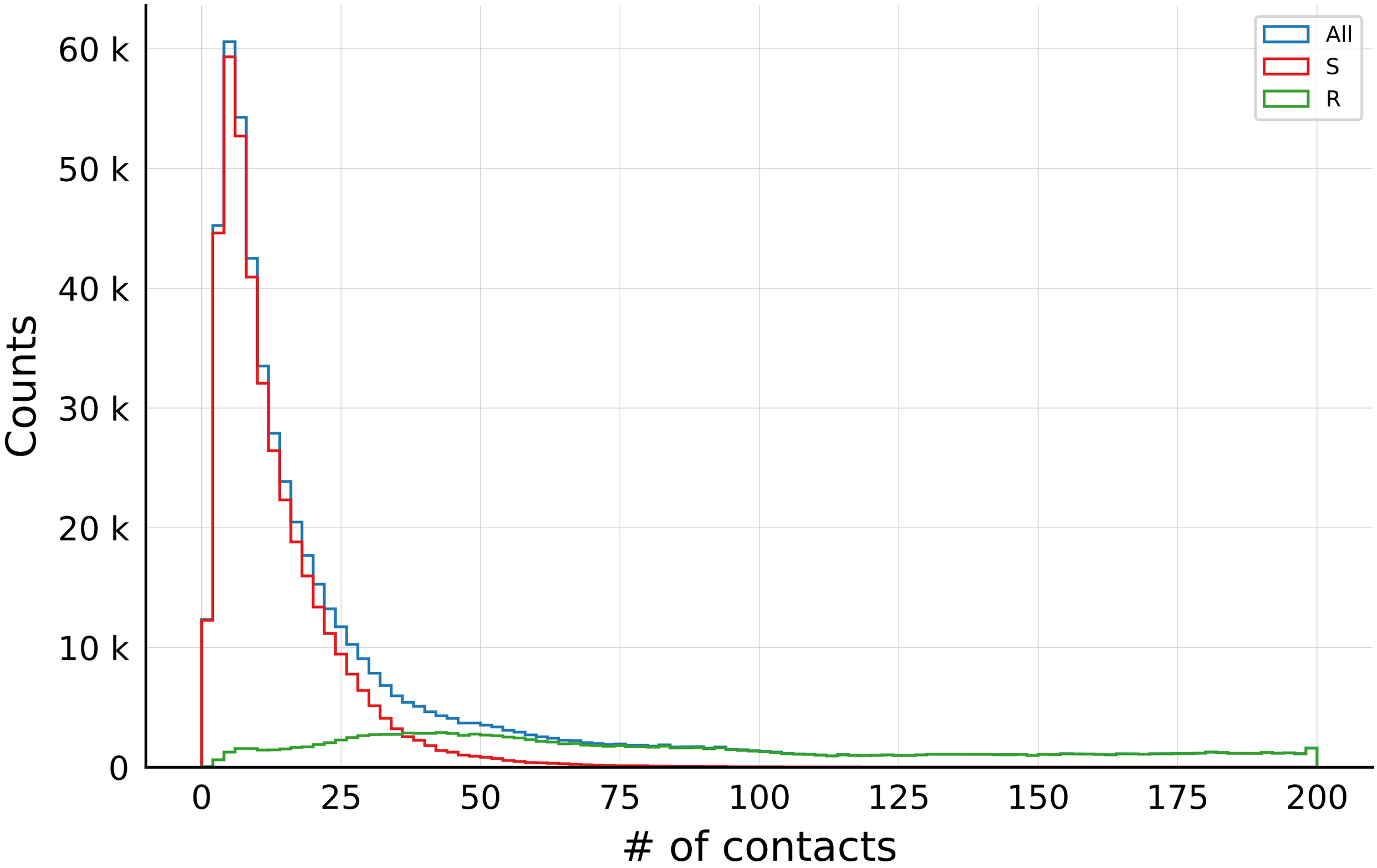
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.3,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



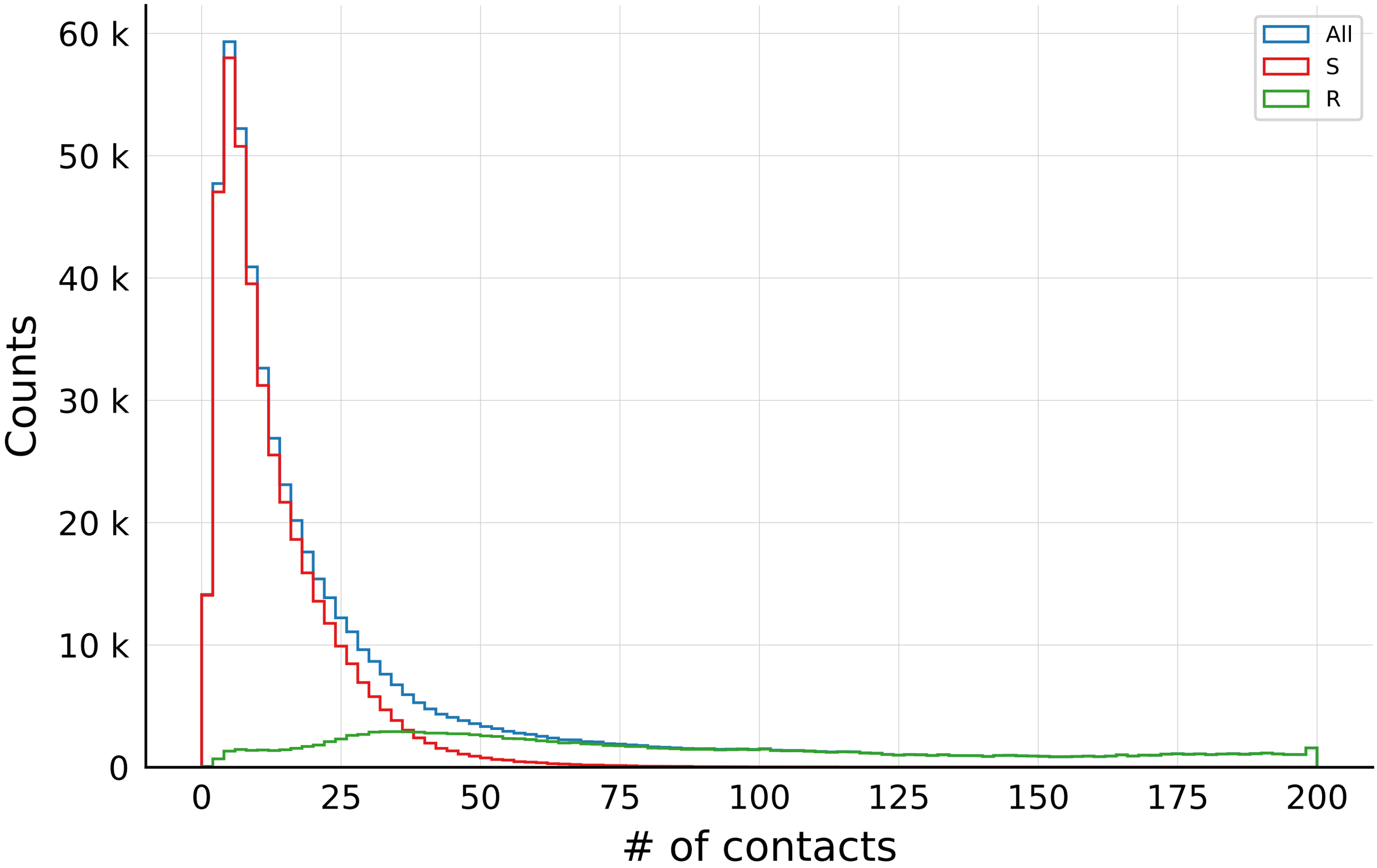
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.4,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.005,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



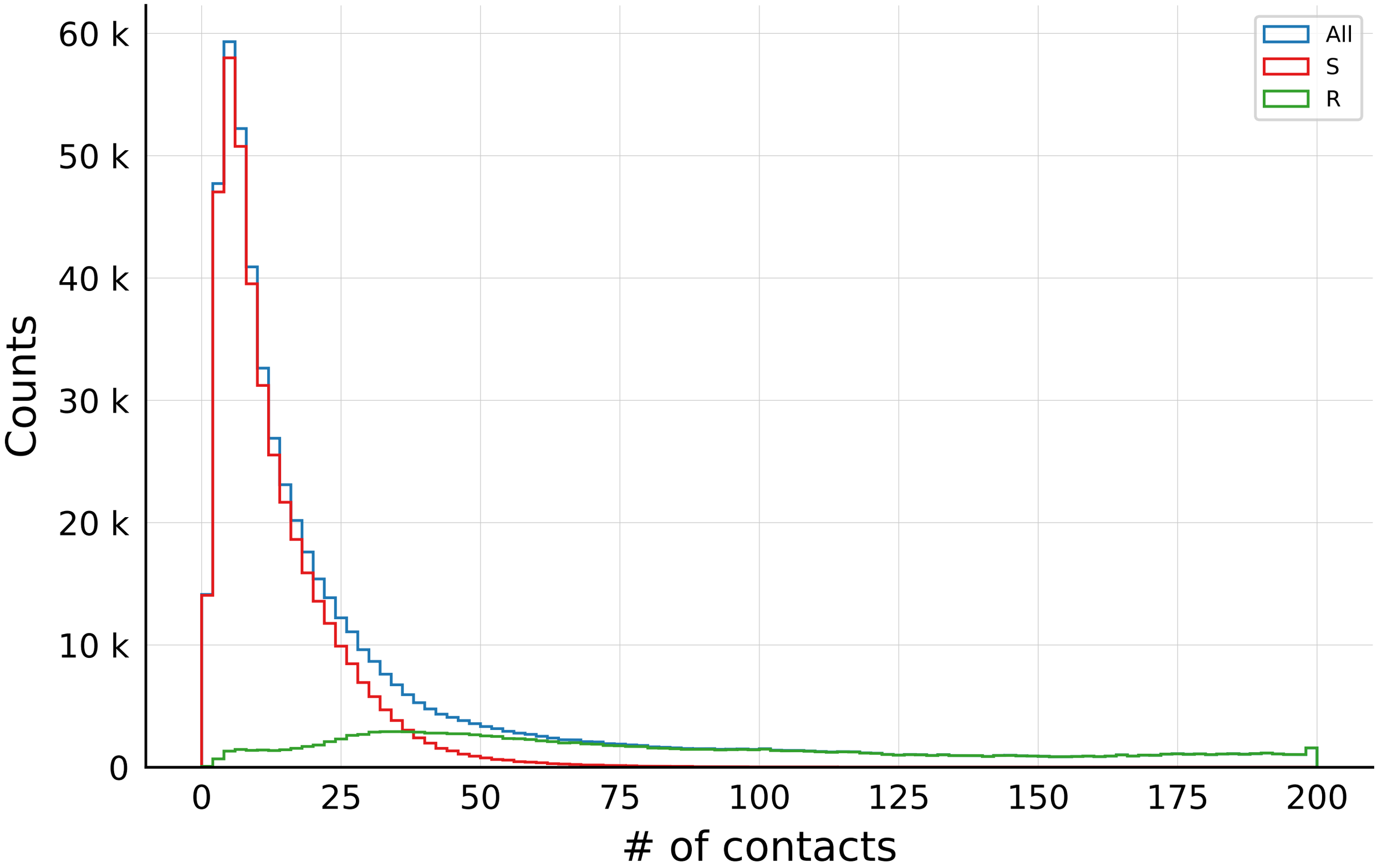
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.4,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



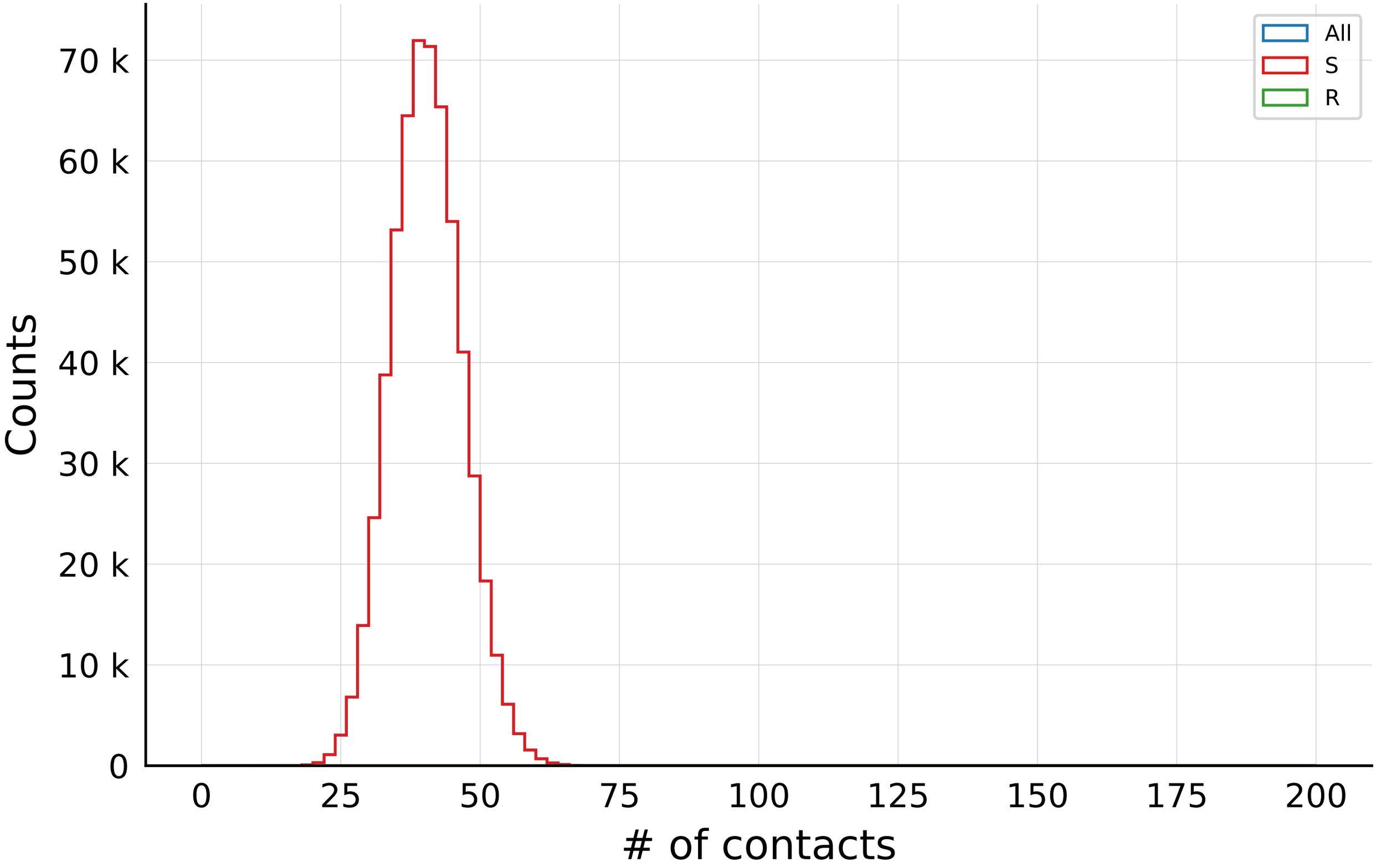
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.5,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.005,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



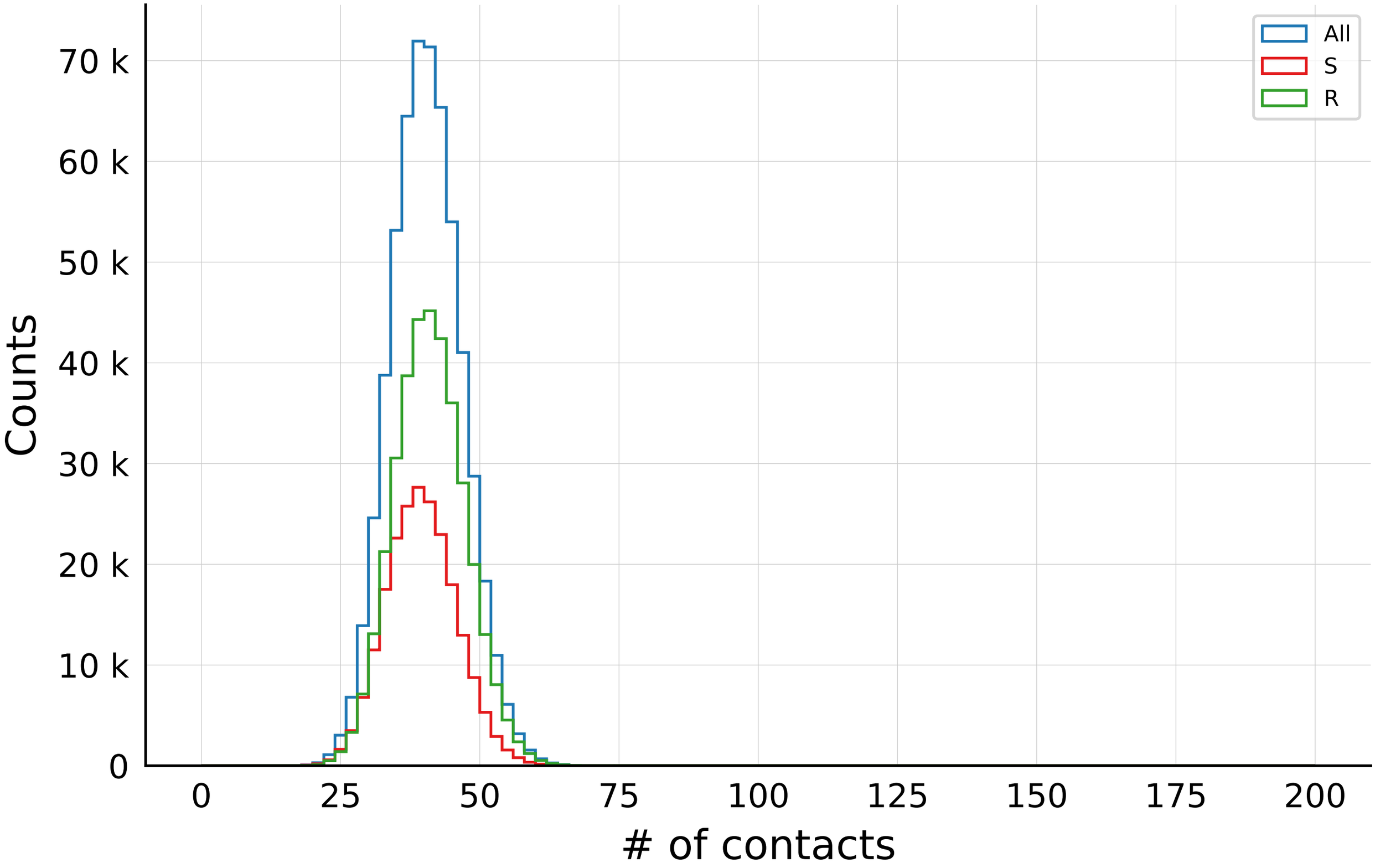
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 100,\ \rho = 0.5,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



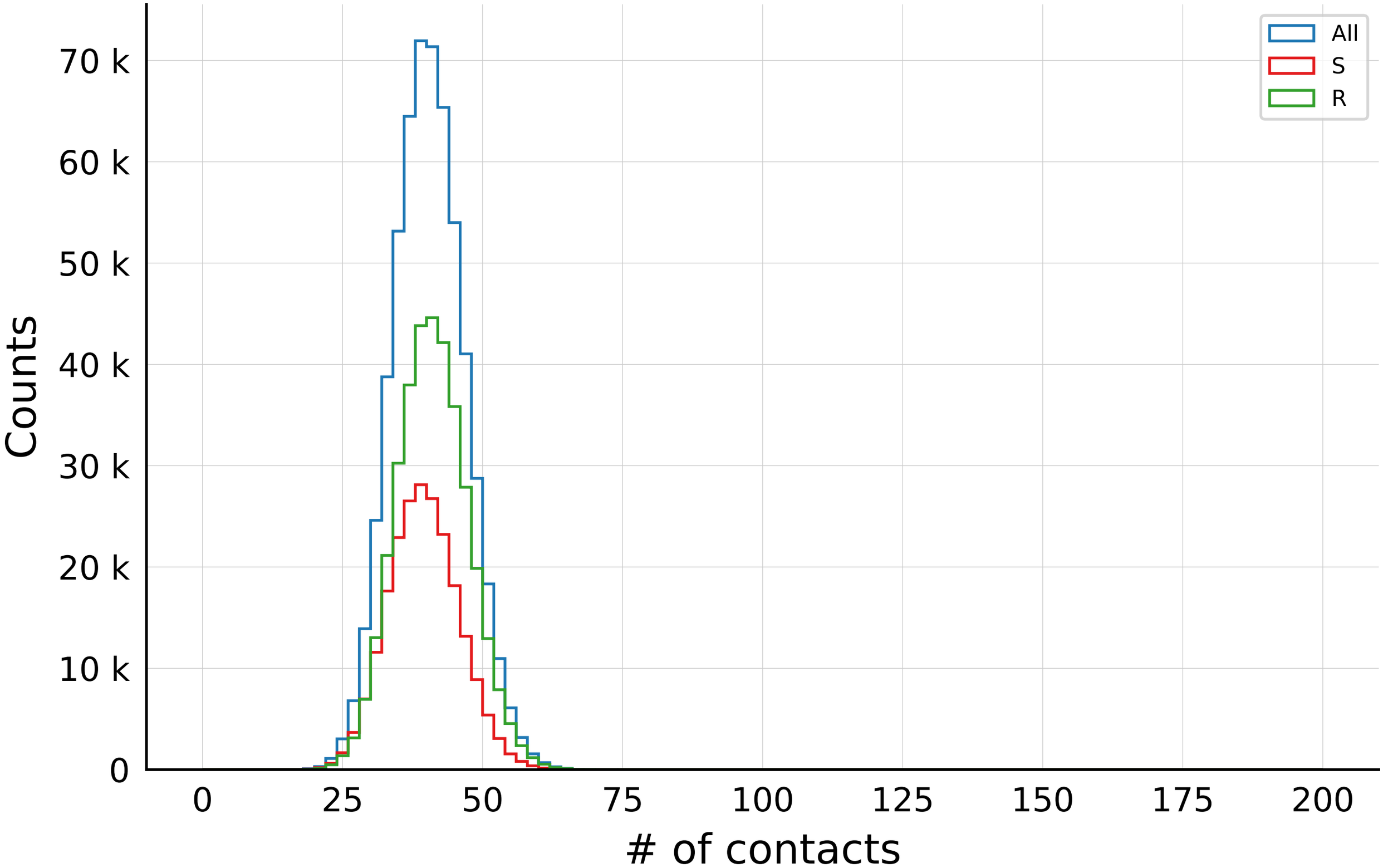
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 1,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



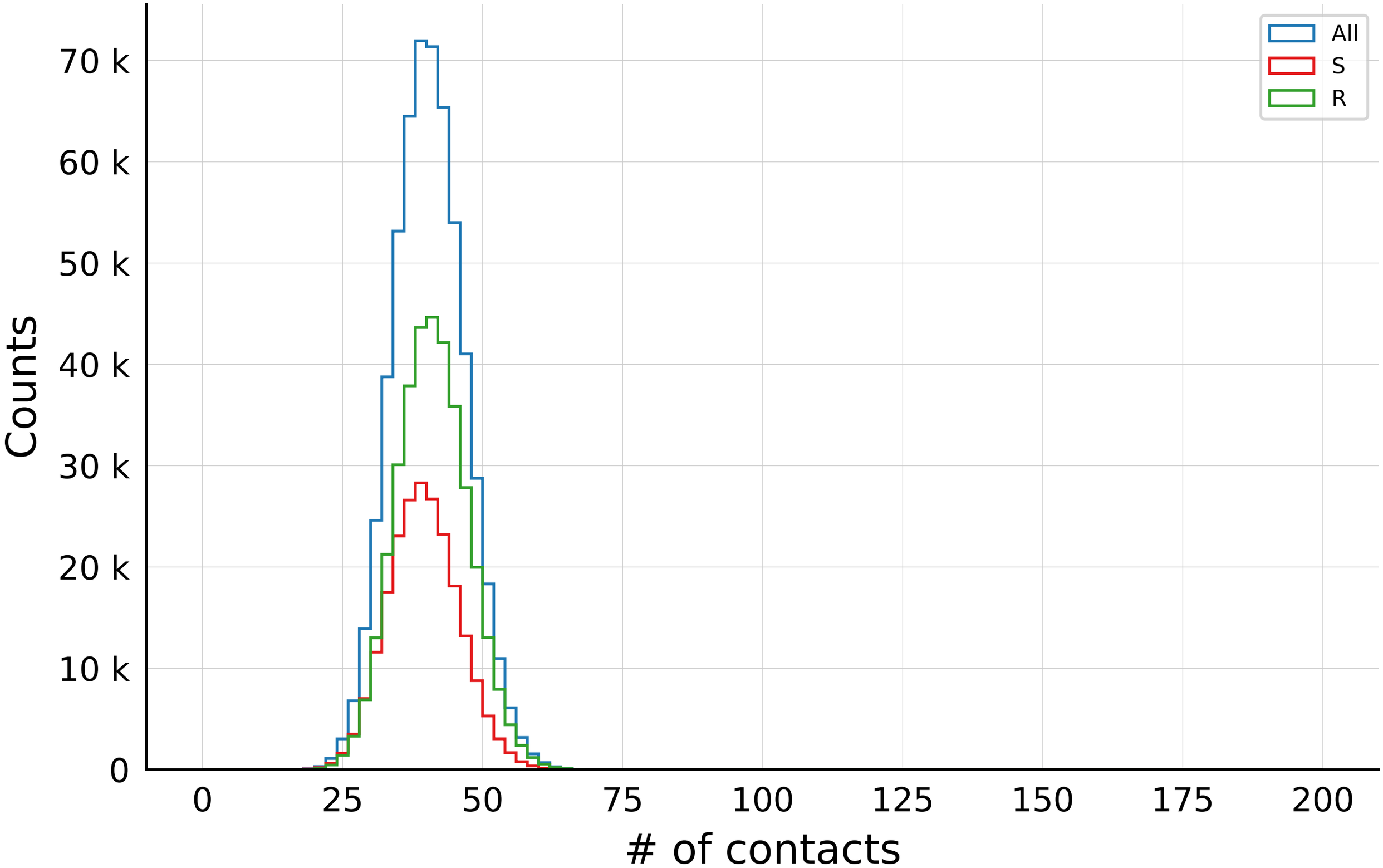
$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 5K,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 500,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 50,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$



$$N_{\text{tot}} = 580K,\ N_{\text{init}} = 5,\ \rho = 0.0,\ \epsilon_\rho = 0.04,\ \mu = 40.0,\ \sigma_\mu = 0.0,\ \beta = 0.01,\ \sigma_\beta = 0.0$$
$$\lambda_E = 1.0,\ \lambda_I = 1.0,\ \text{algo} = 2,\ ID = 0$$