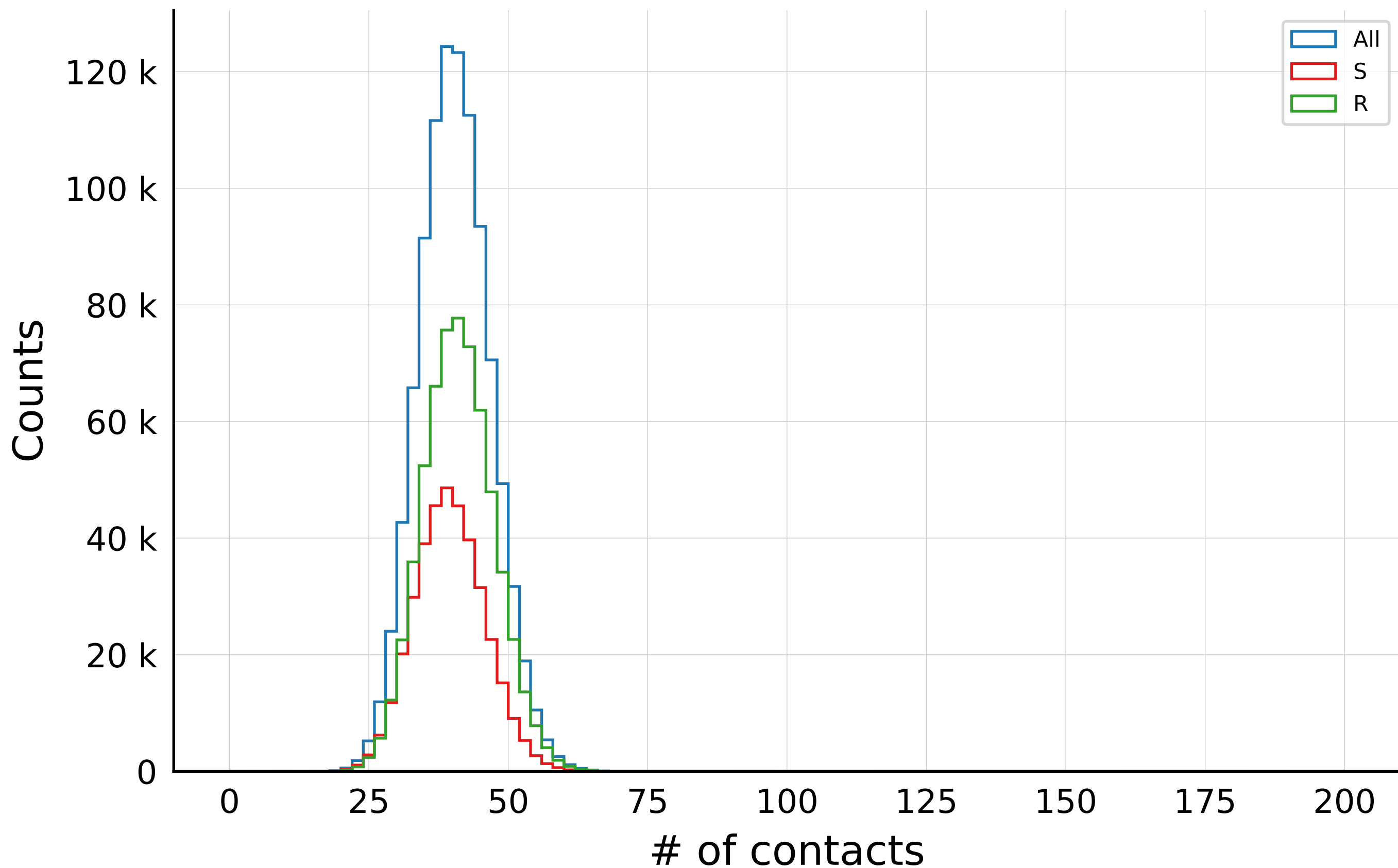
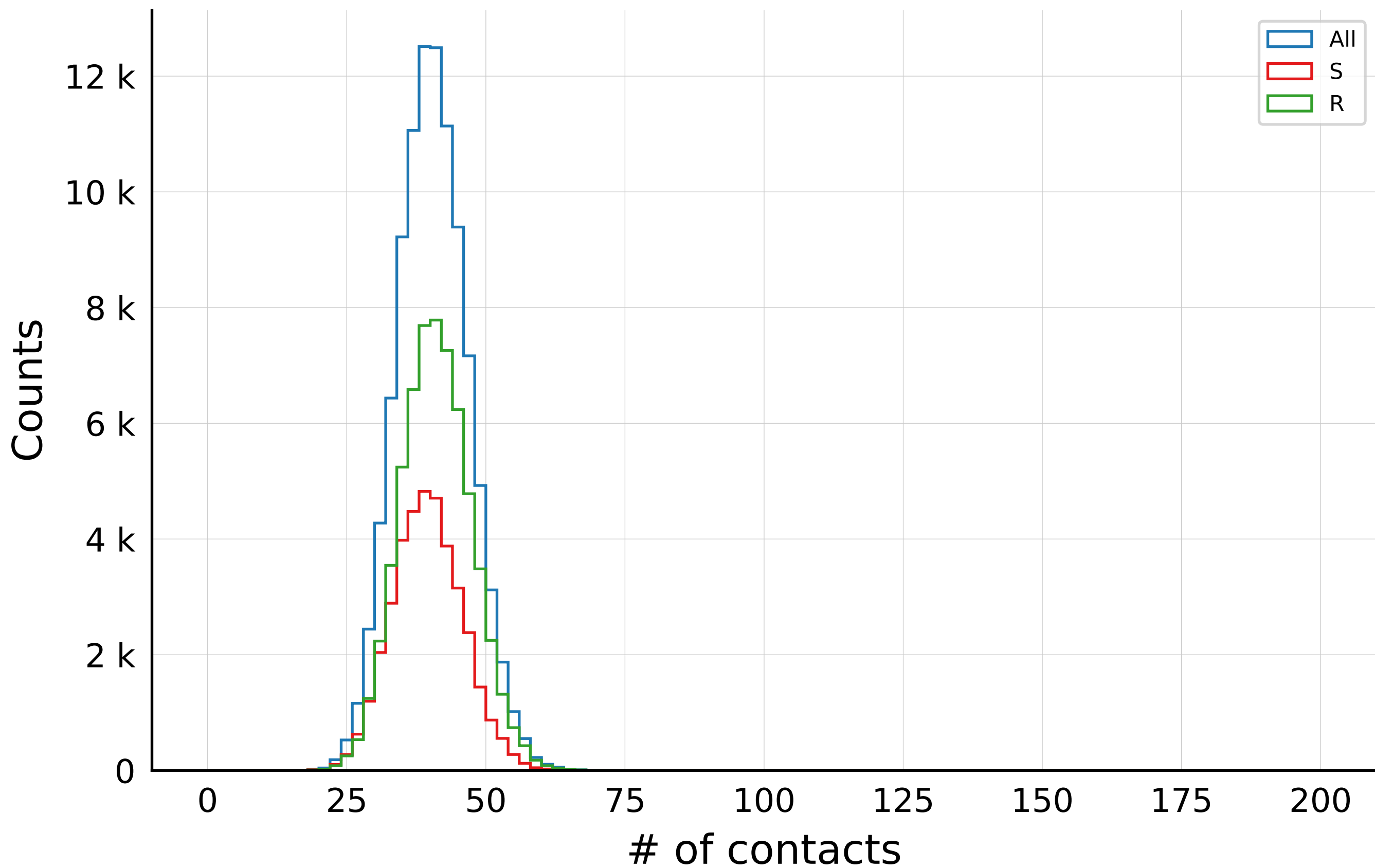


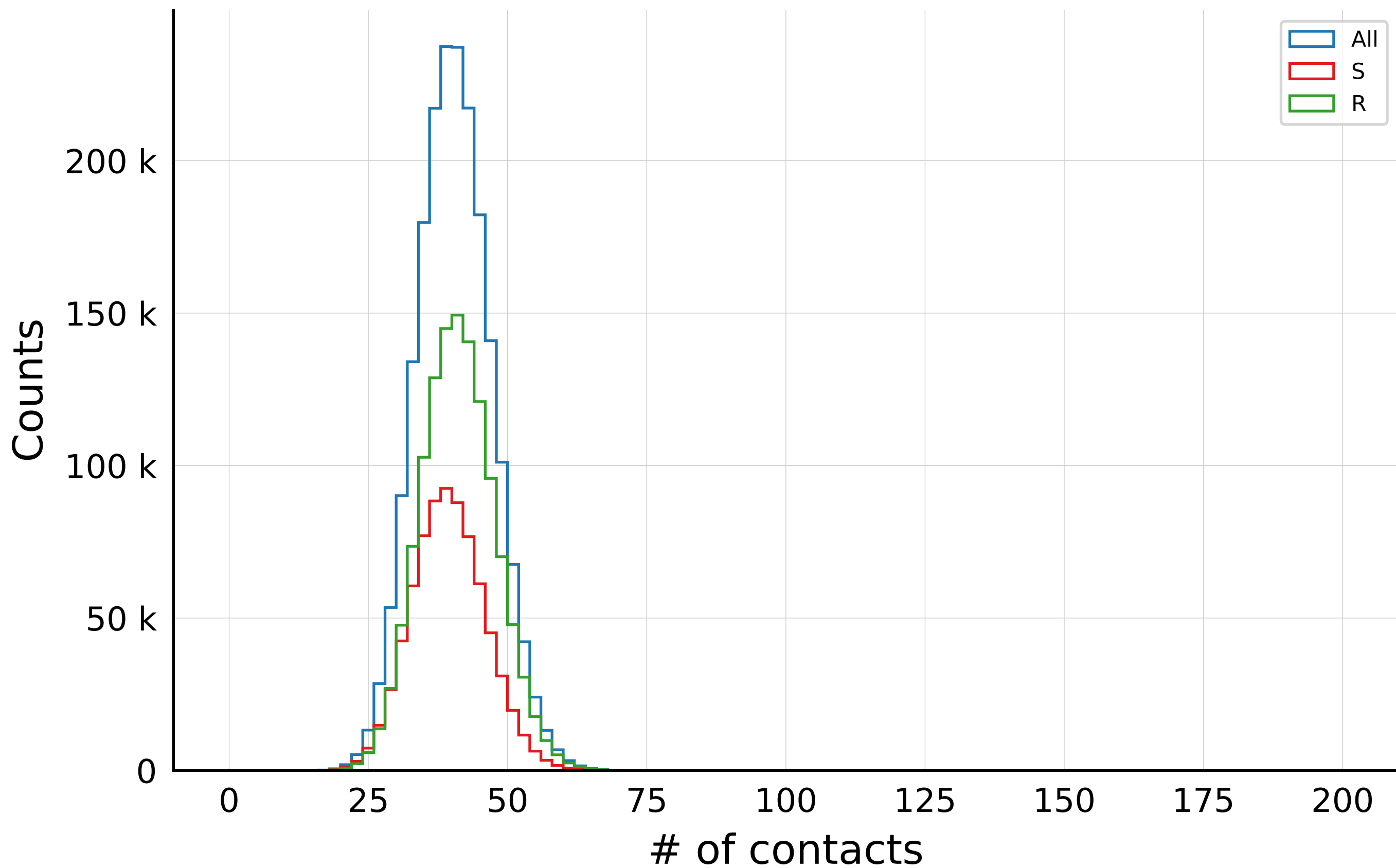
$$N_{\text{tot}} = 1M, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



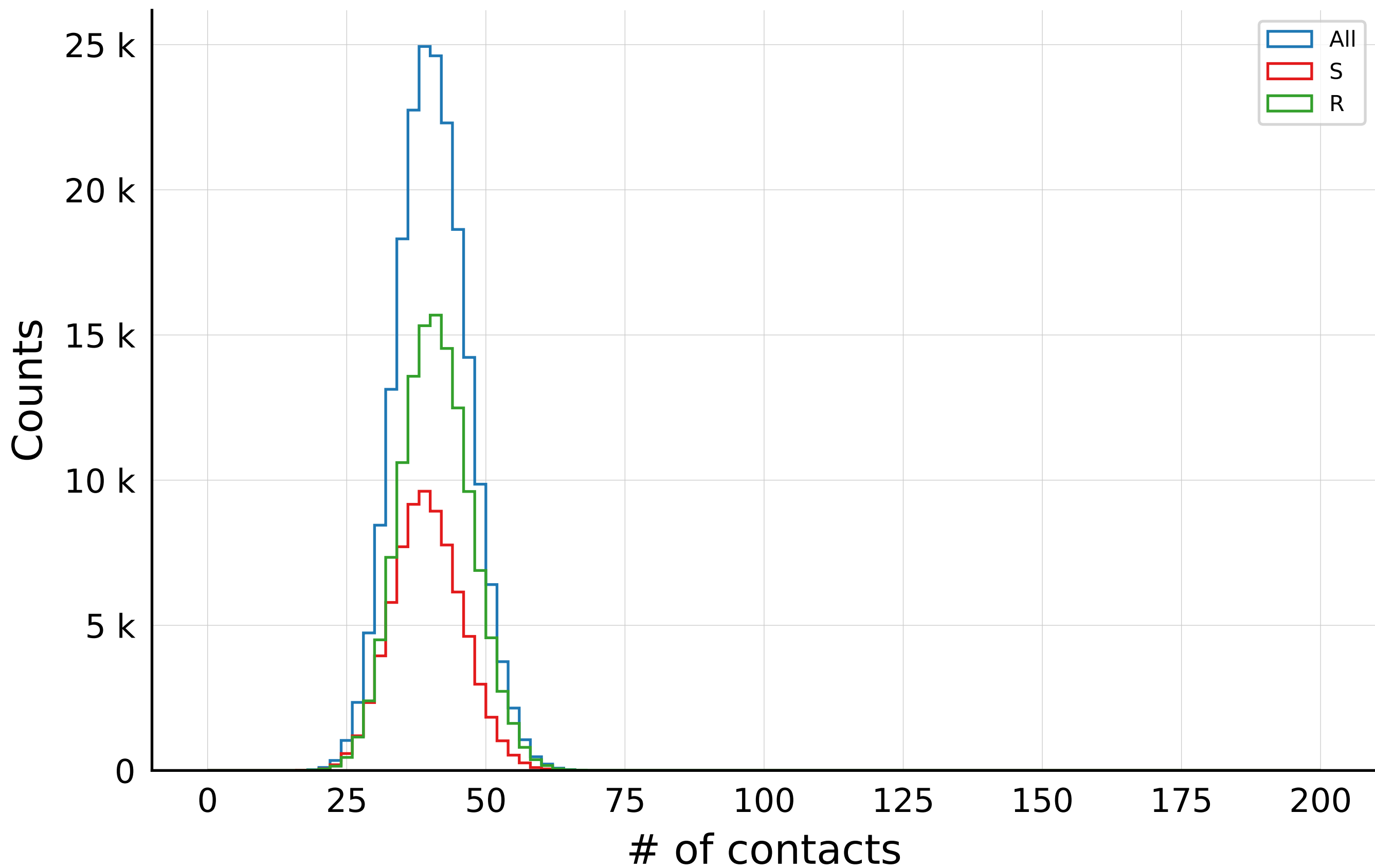
$$N_{\text{tot}} = 100K, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



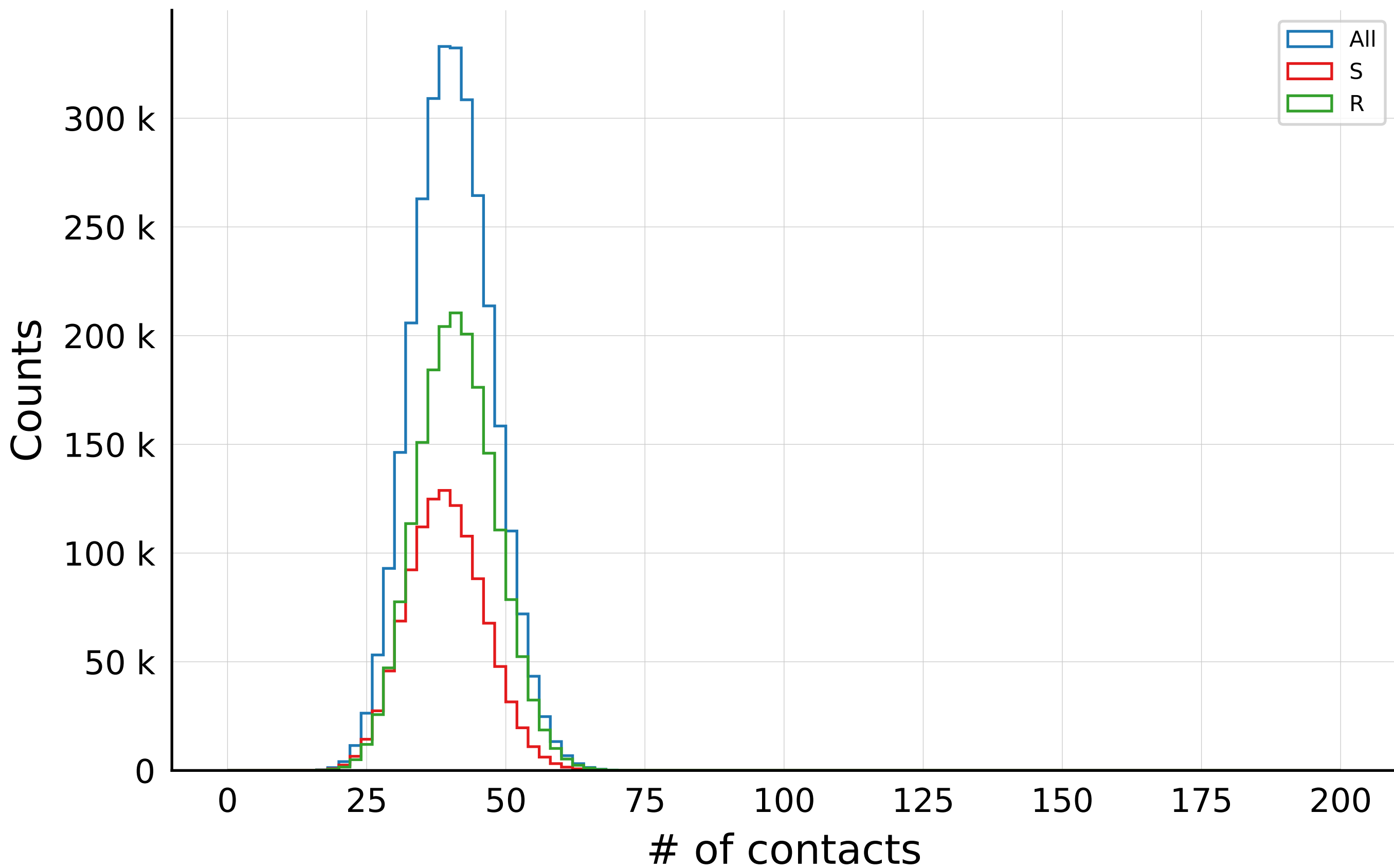
$$N_{\text{tot}} = 2M, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



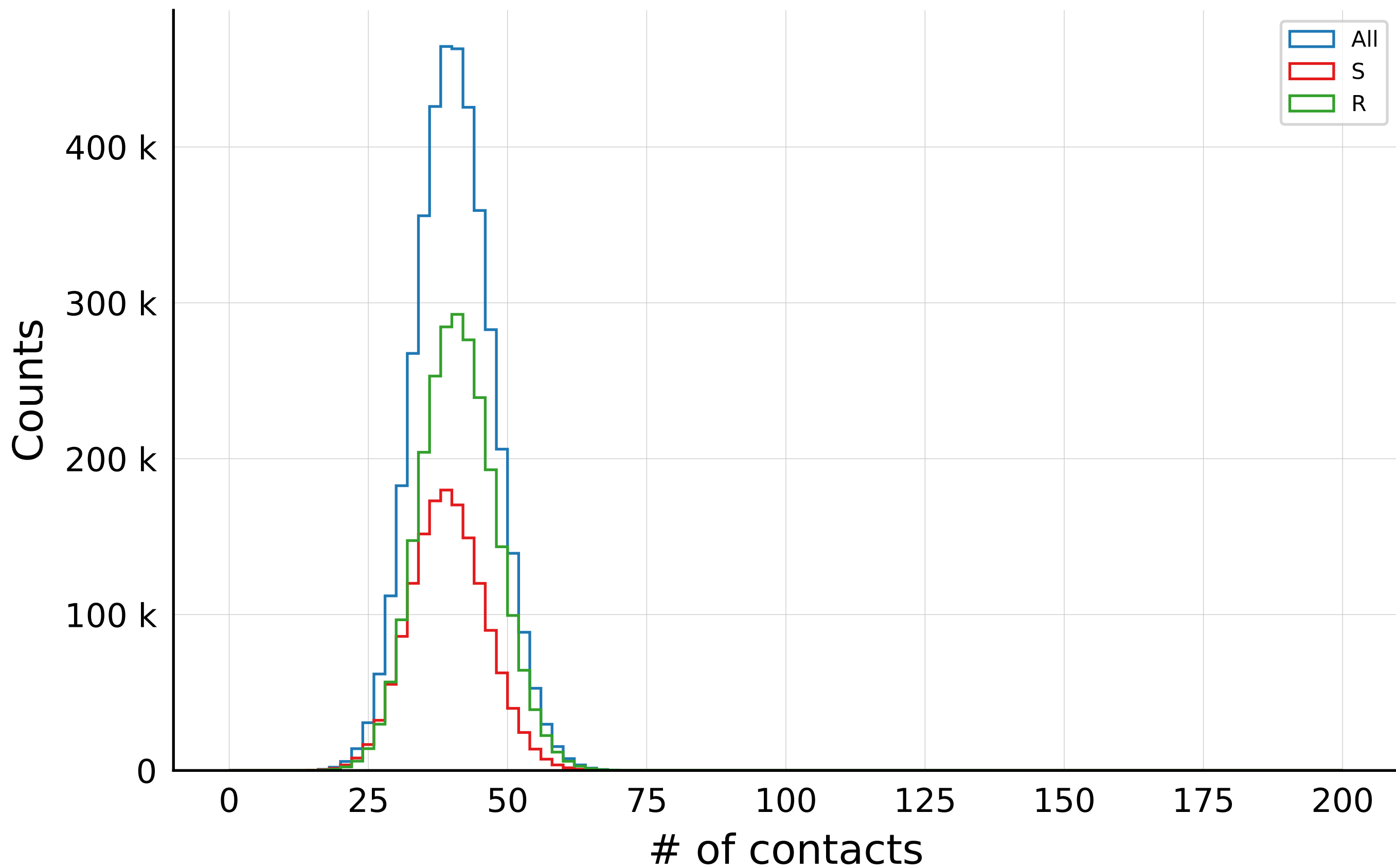
$$N_{\text{tot}} = 200K, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



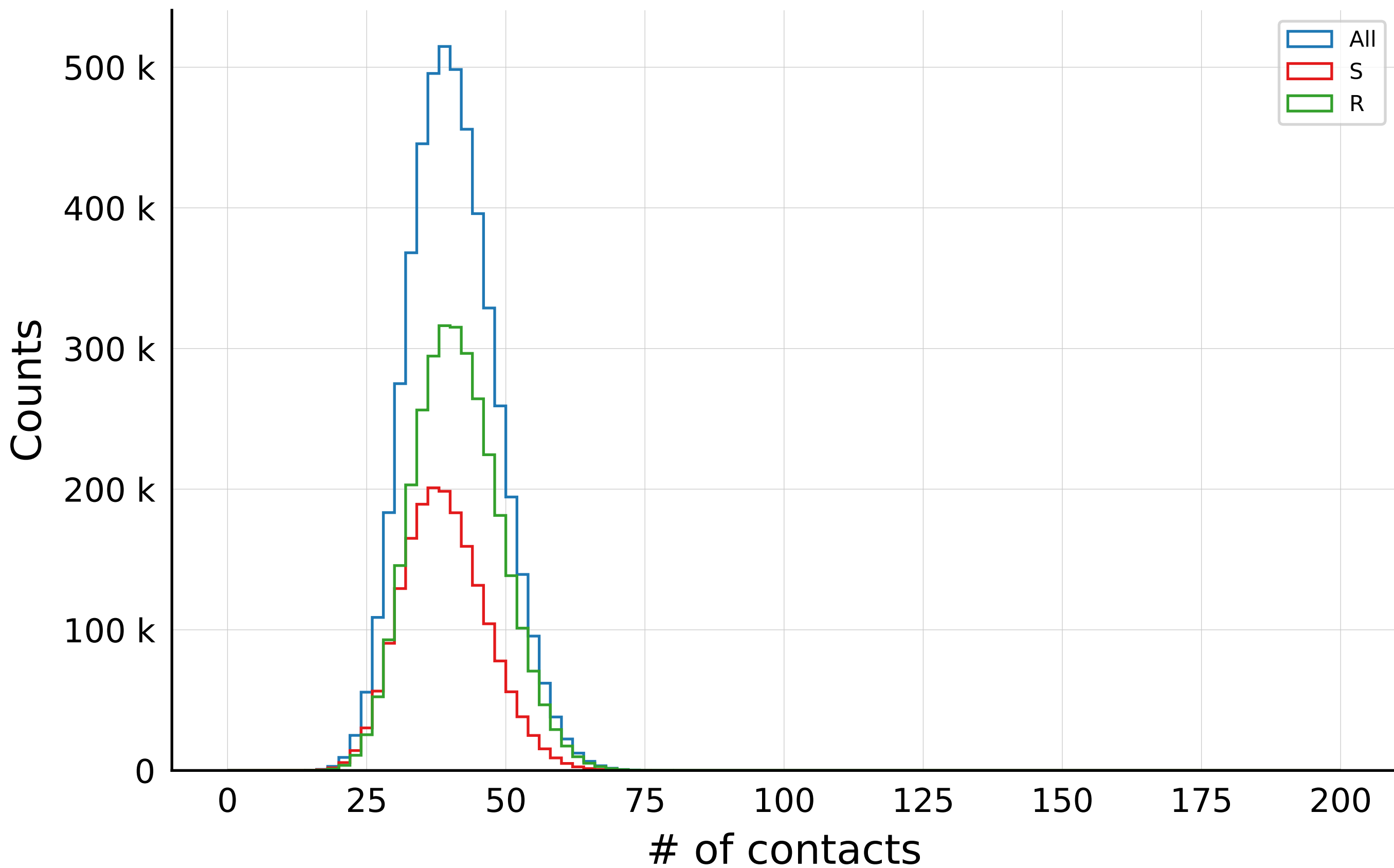
$$N_{\text{tot}} = 3M, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



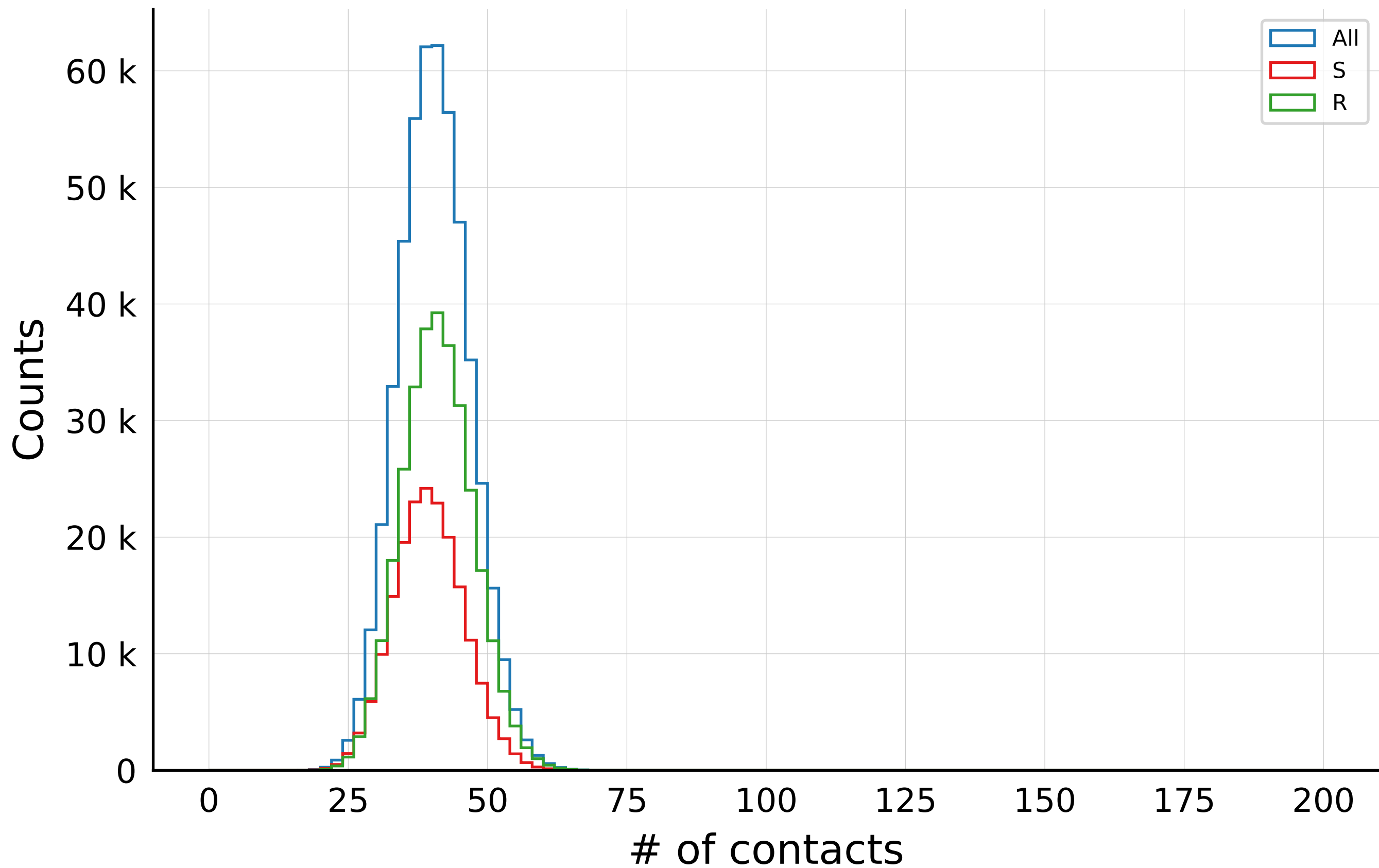
$$N_{\text{tot}} = 4M, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



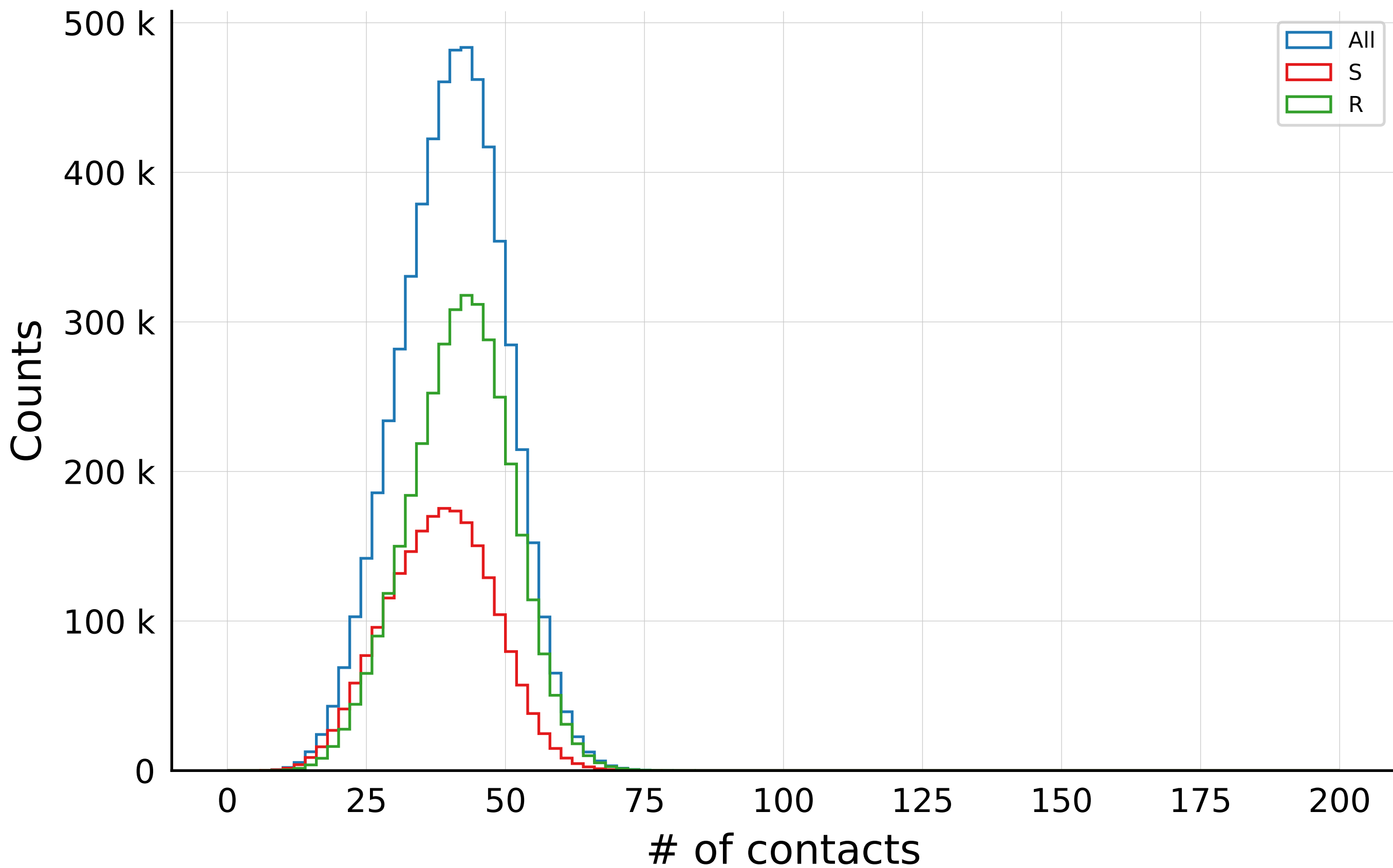
$$N_{\text{tot}} = 5M, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



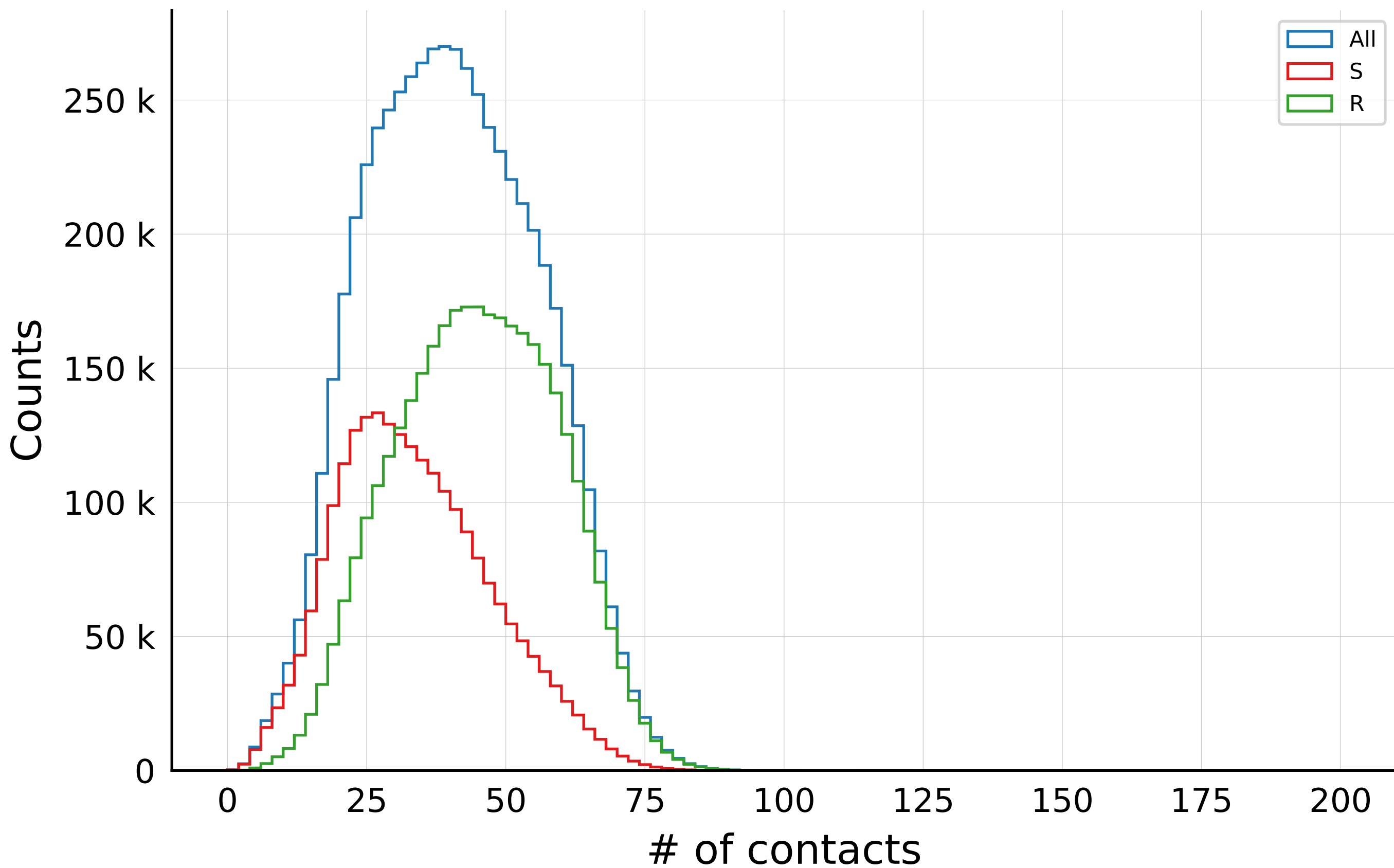
$N_{\text{tot}} = 500K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



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

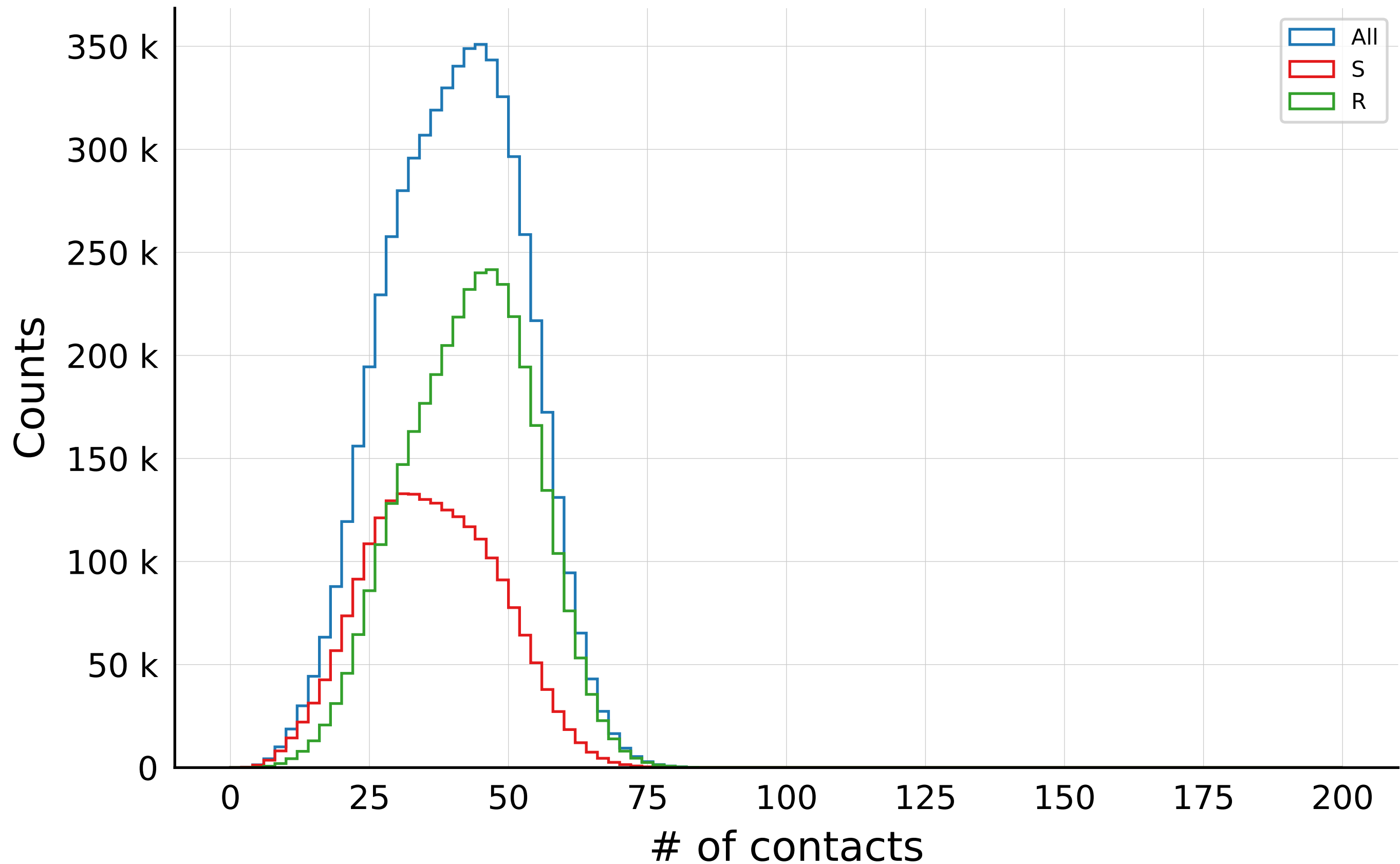


$$N_{\text{tot}} = 5.8M, N_{\text{init}} = 100, \rho = 0.015, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

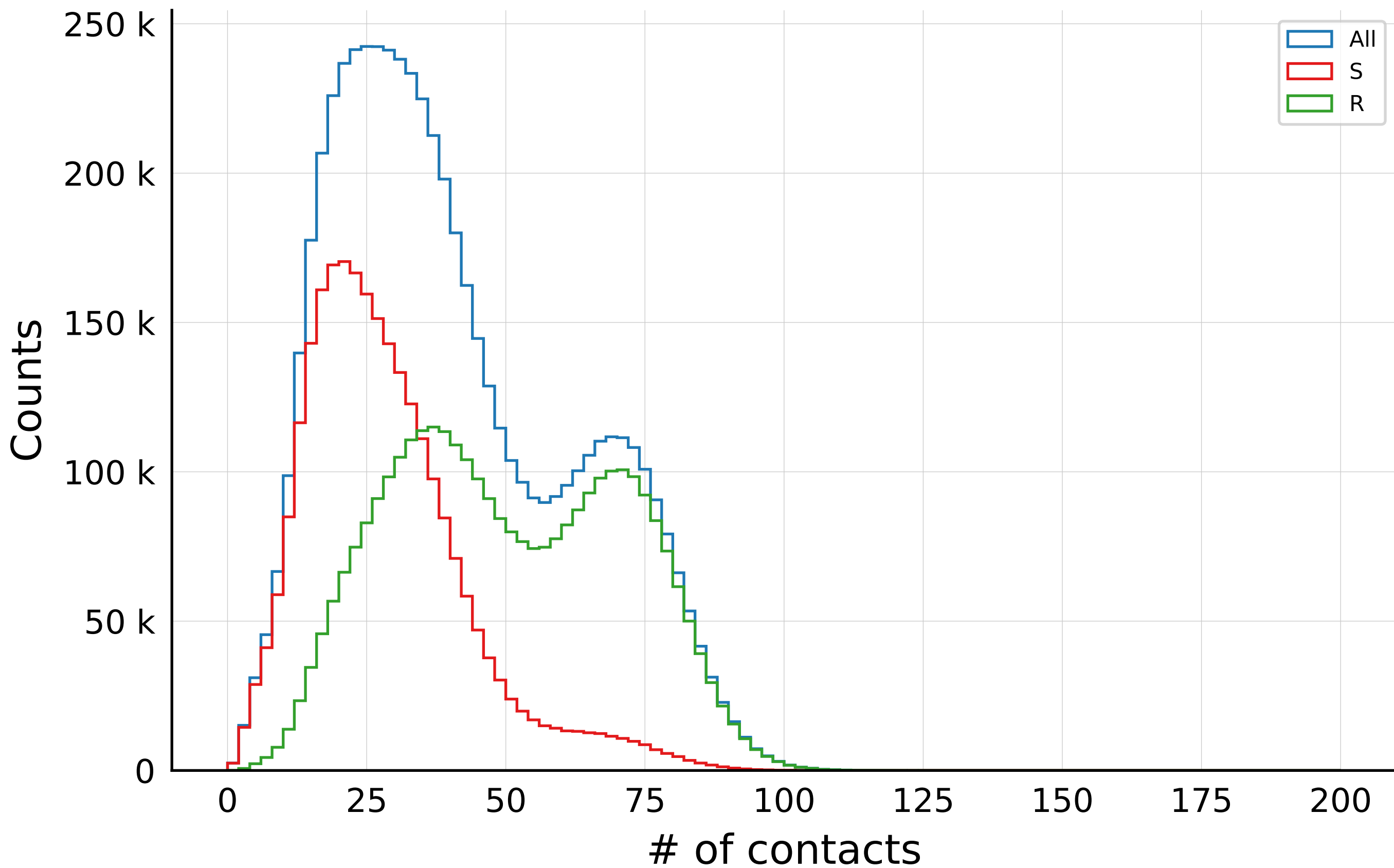


$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 100$, $\rho = 0.01$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$

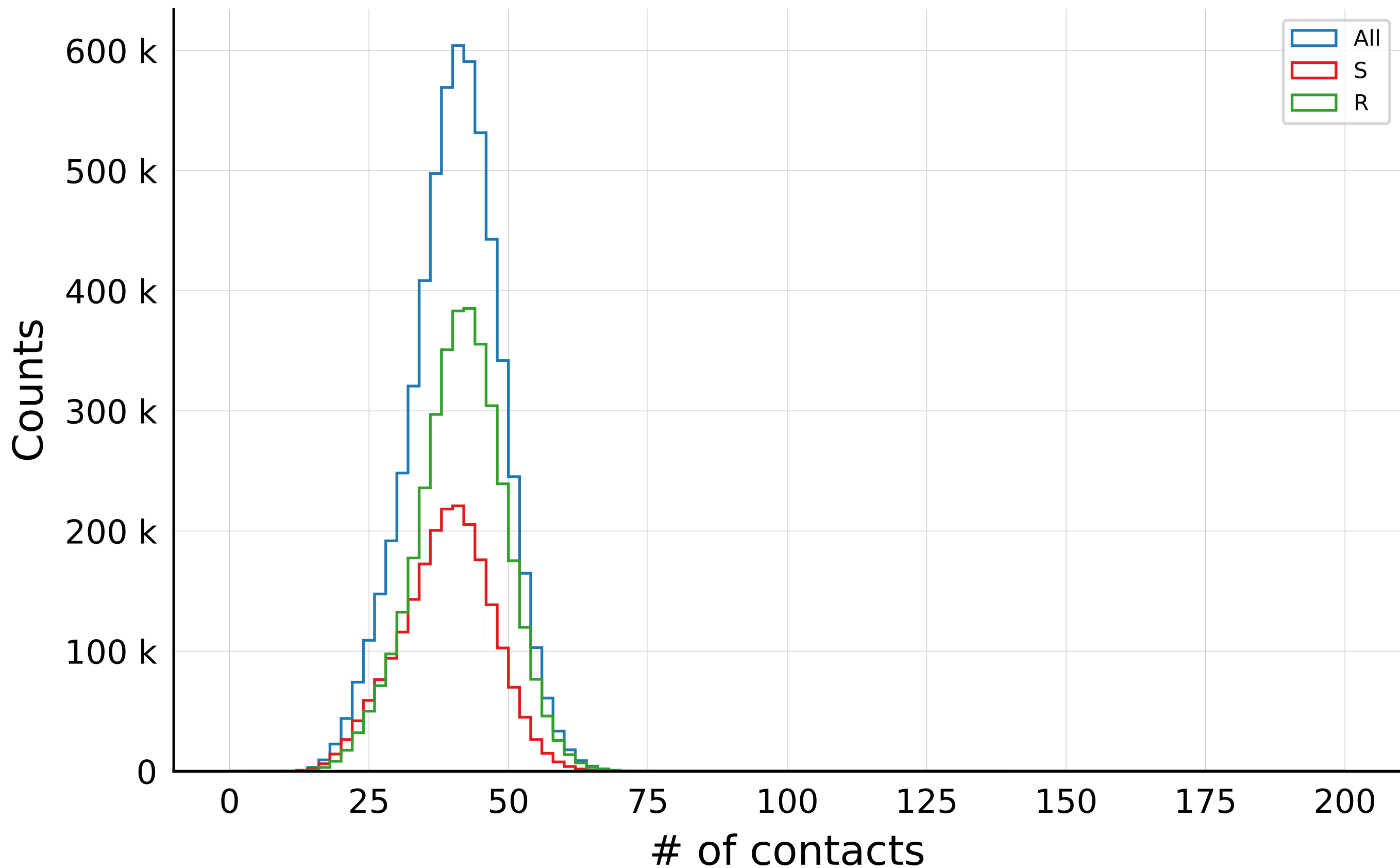
$\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



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

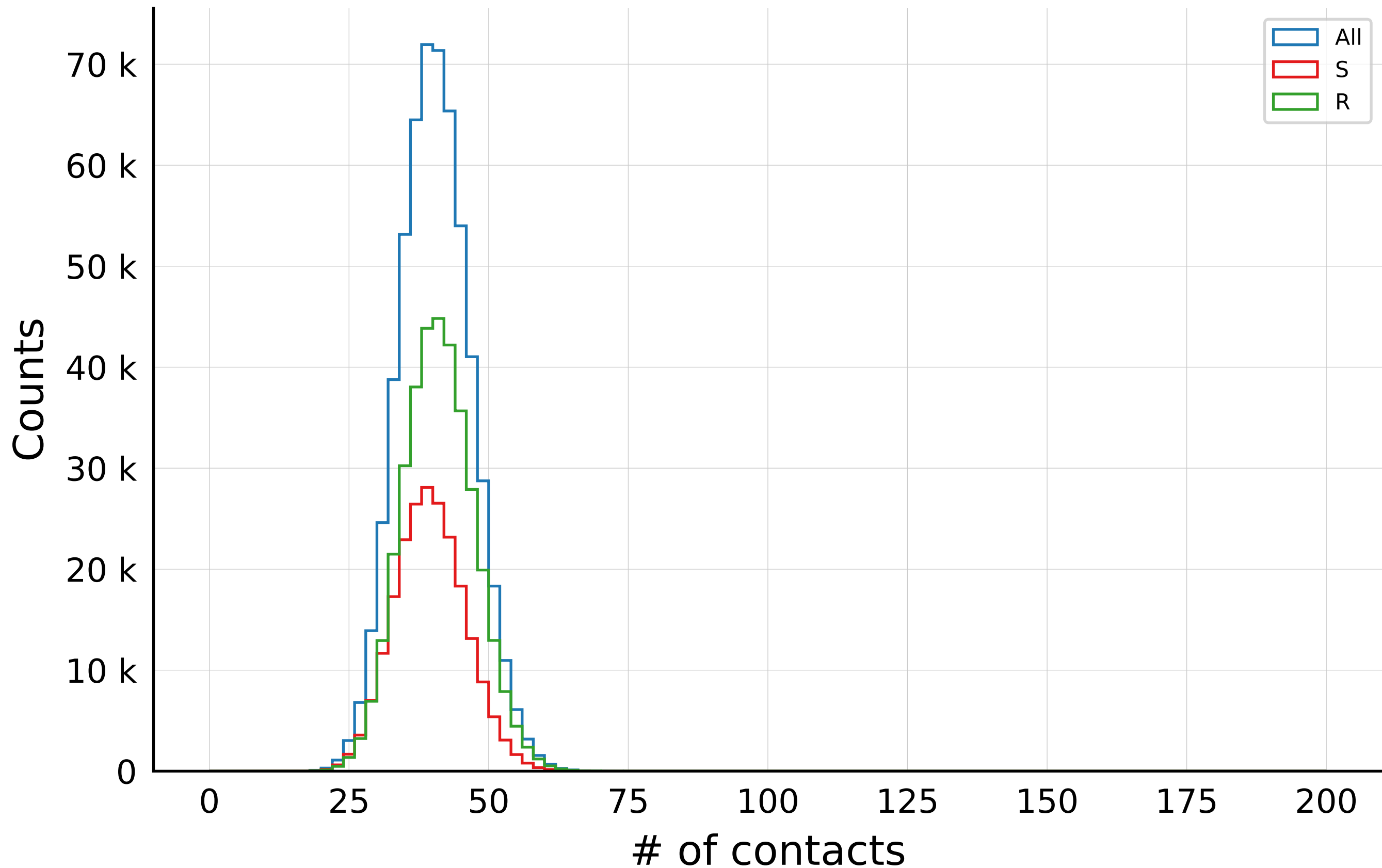


$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$

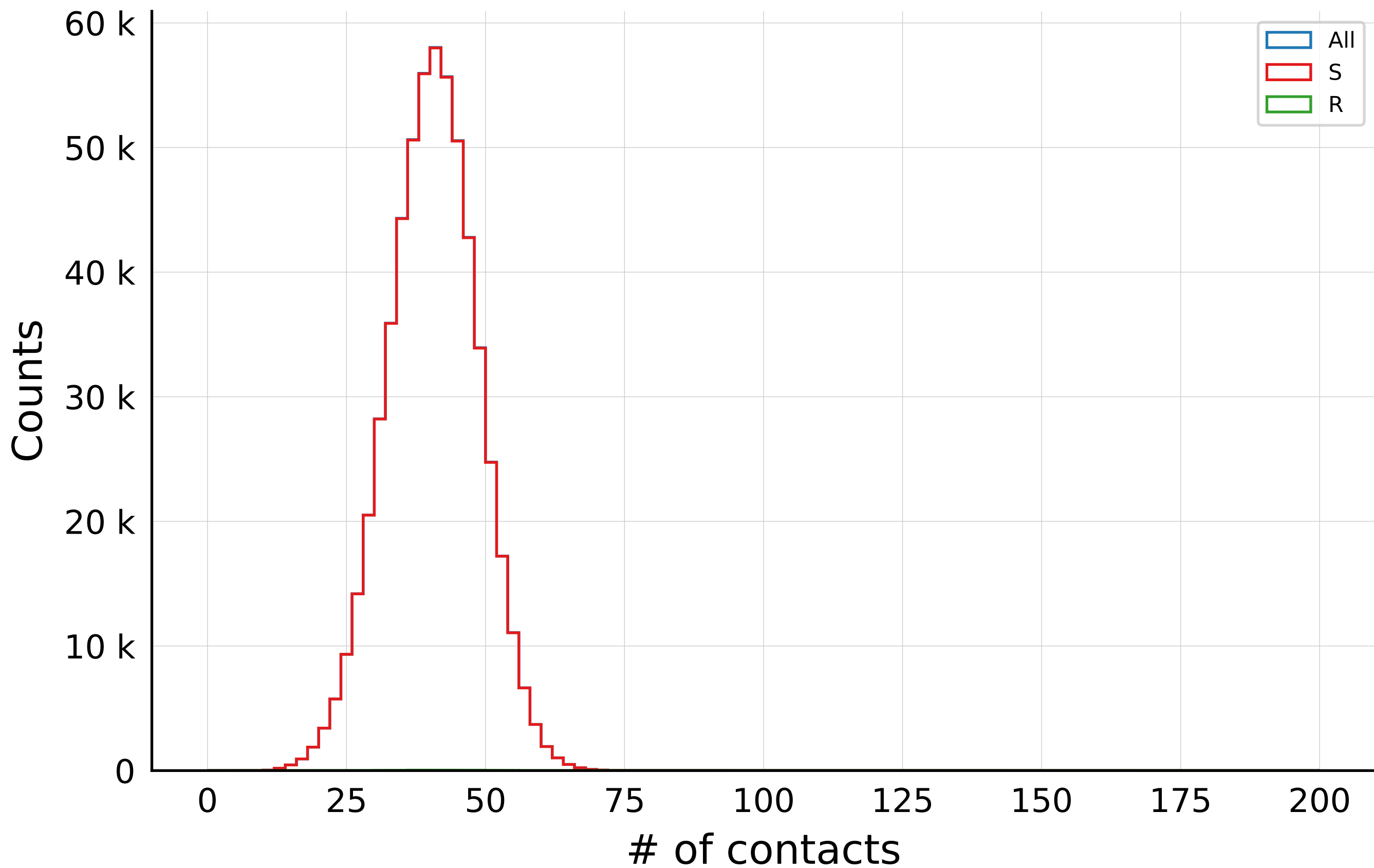


$$N_{\text{tot}} = 580K, N_{\text{init}} = 1K, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$

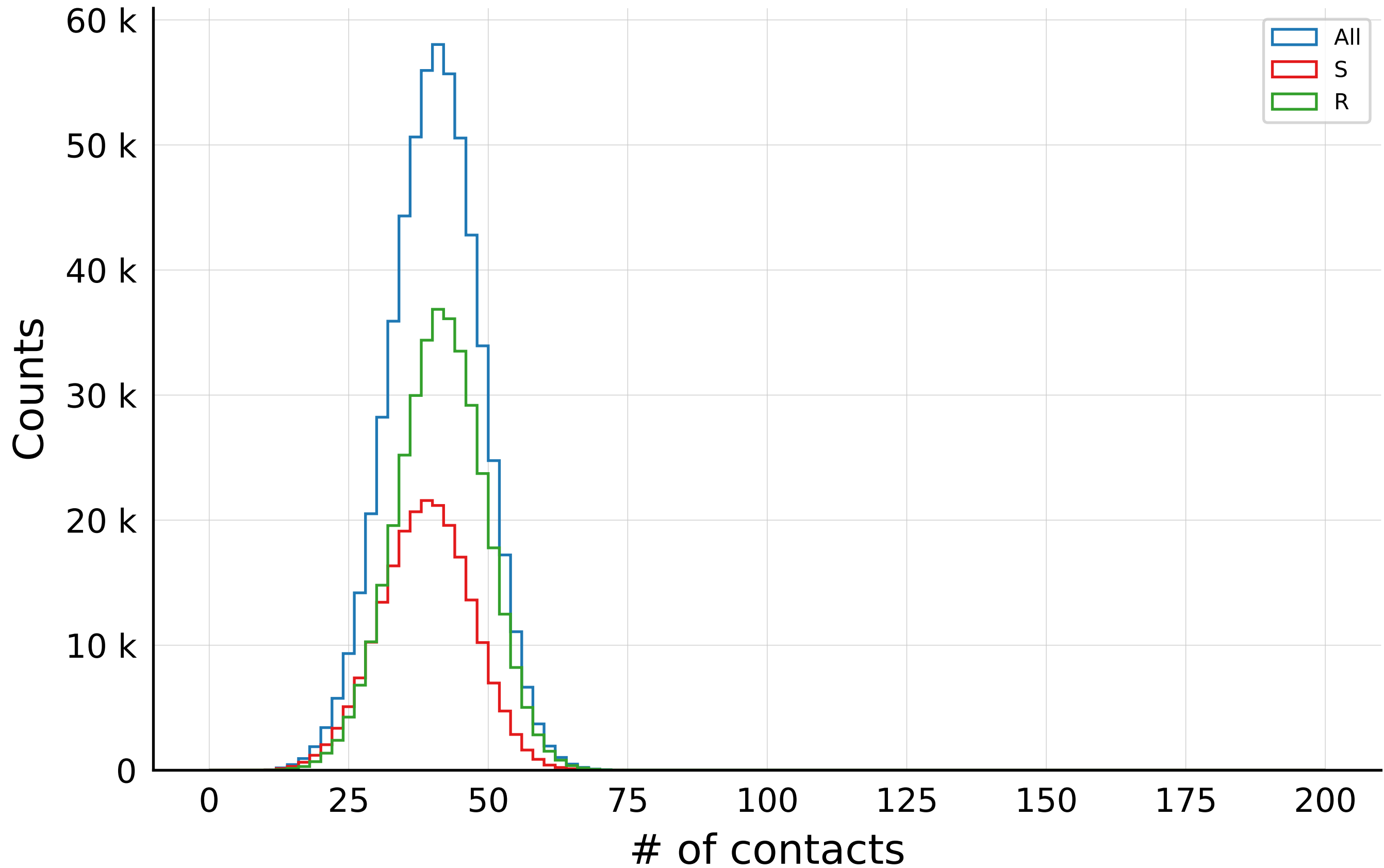
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



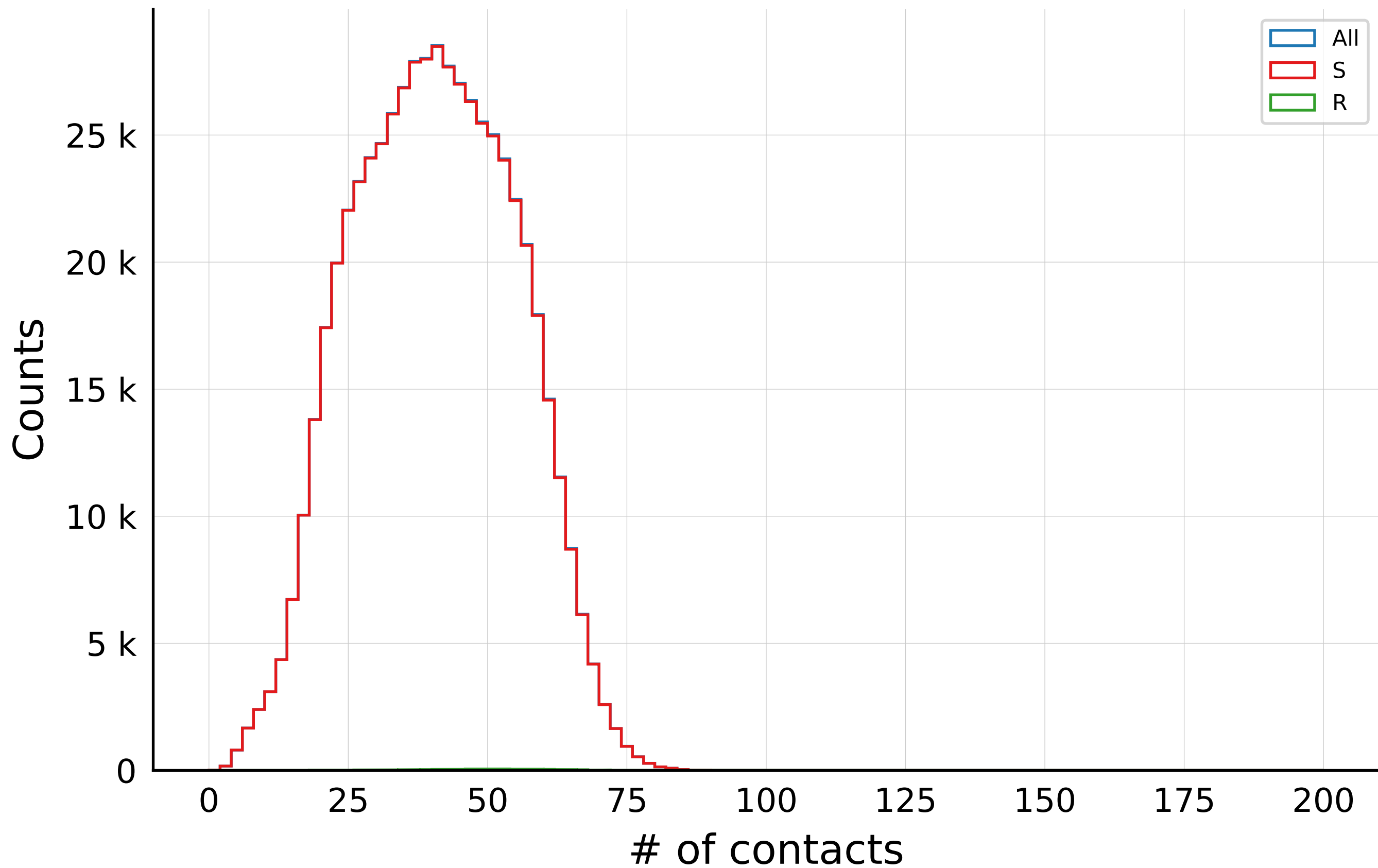
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.005, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.005, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



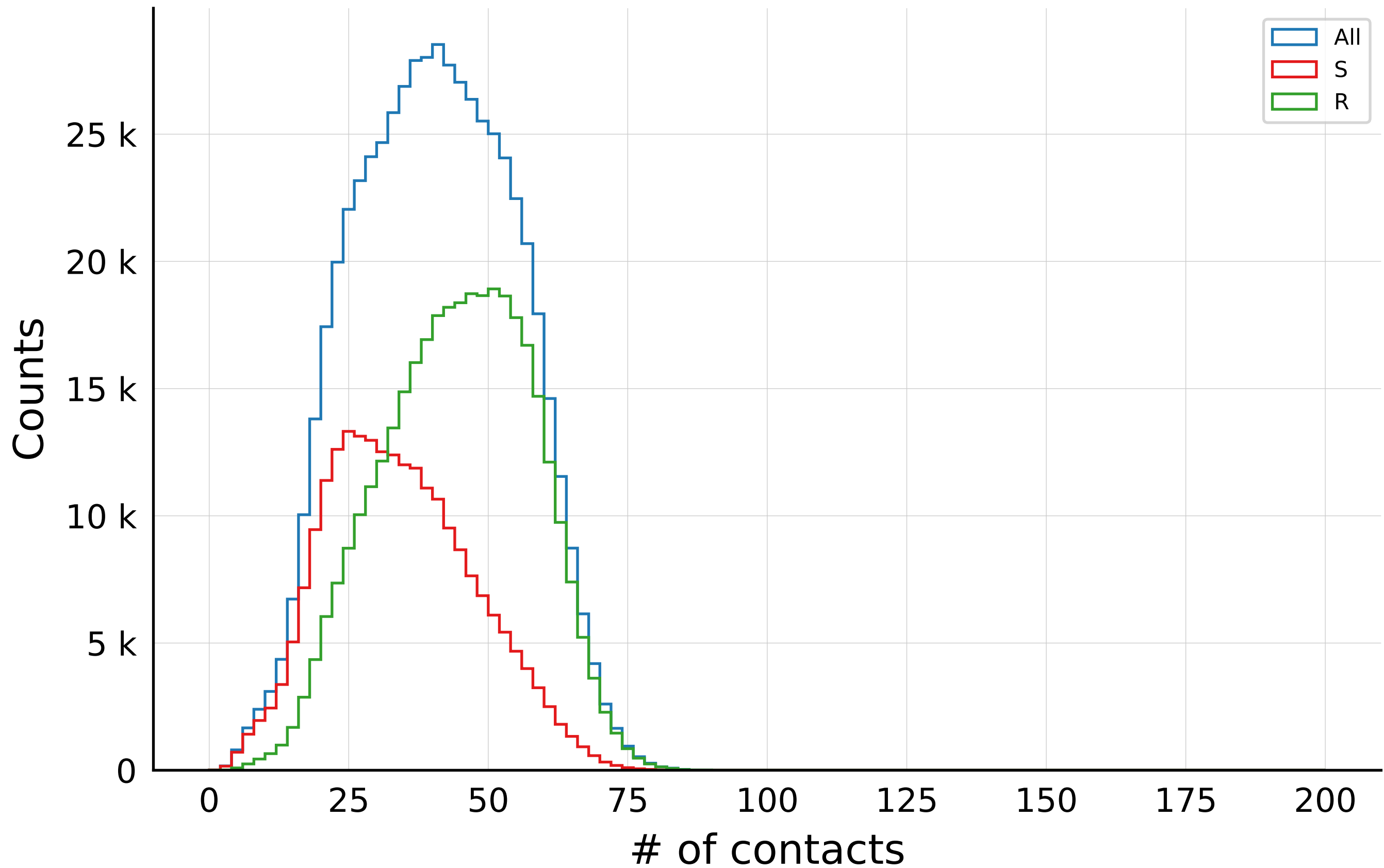
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.005$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



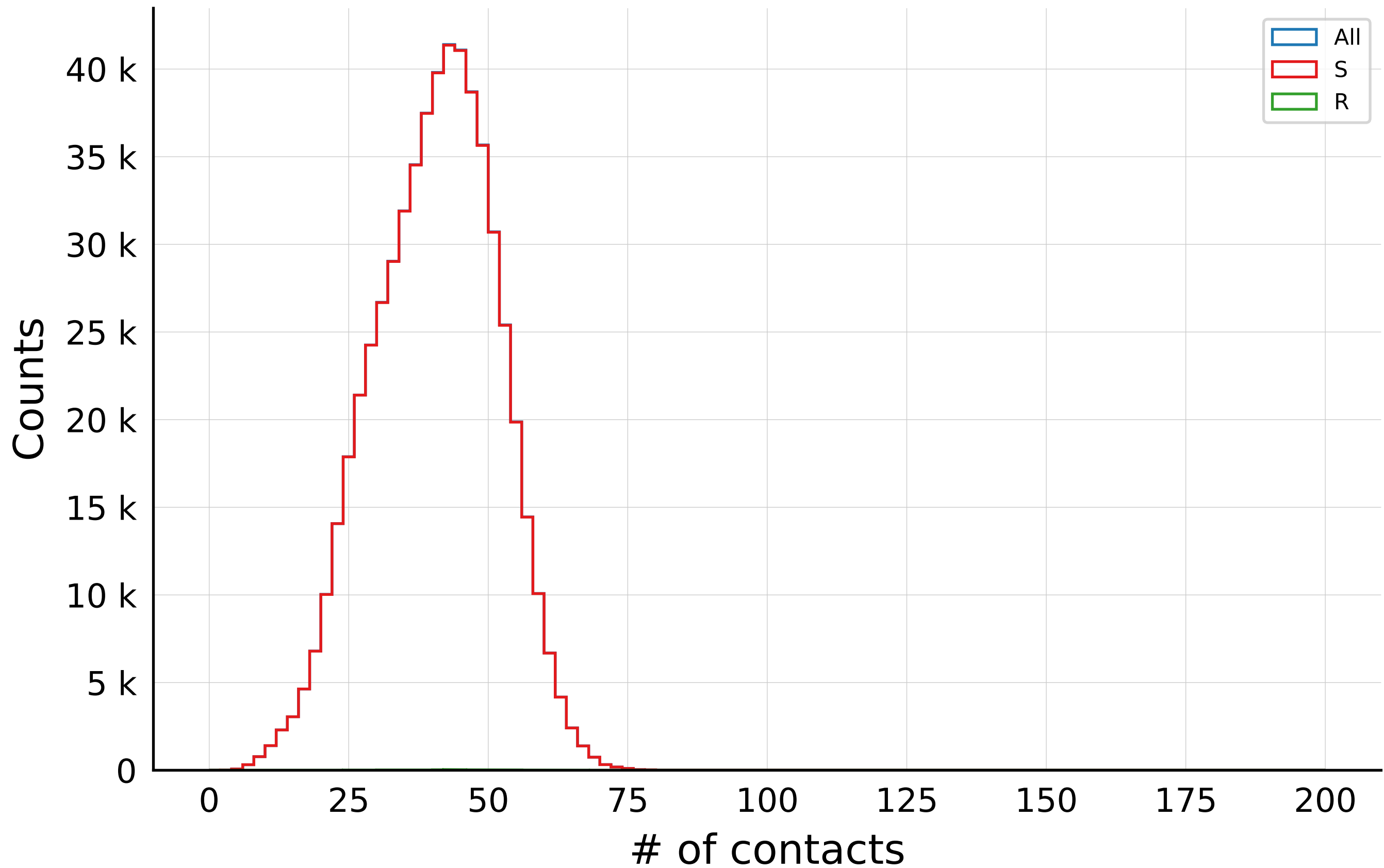
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.015, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.005, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



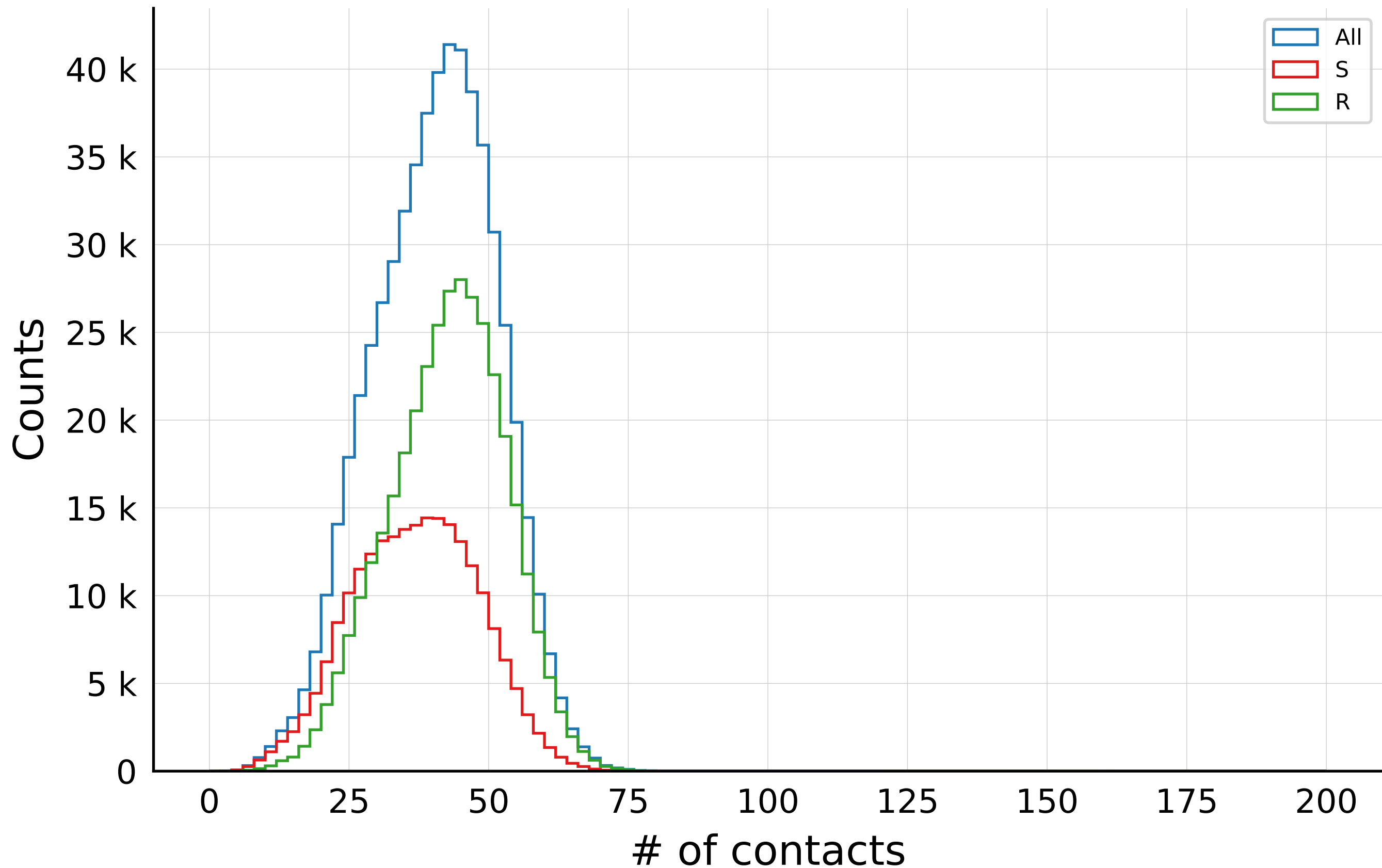
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.015, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



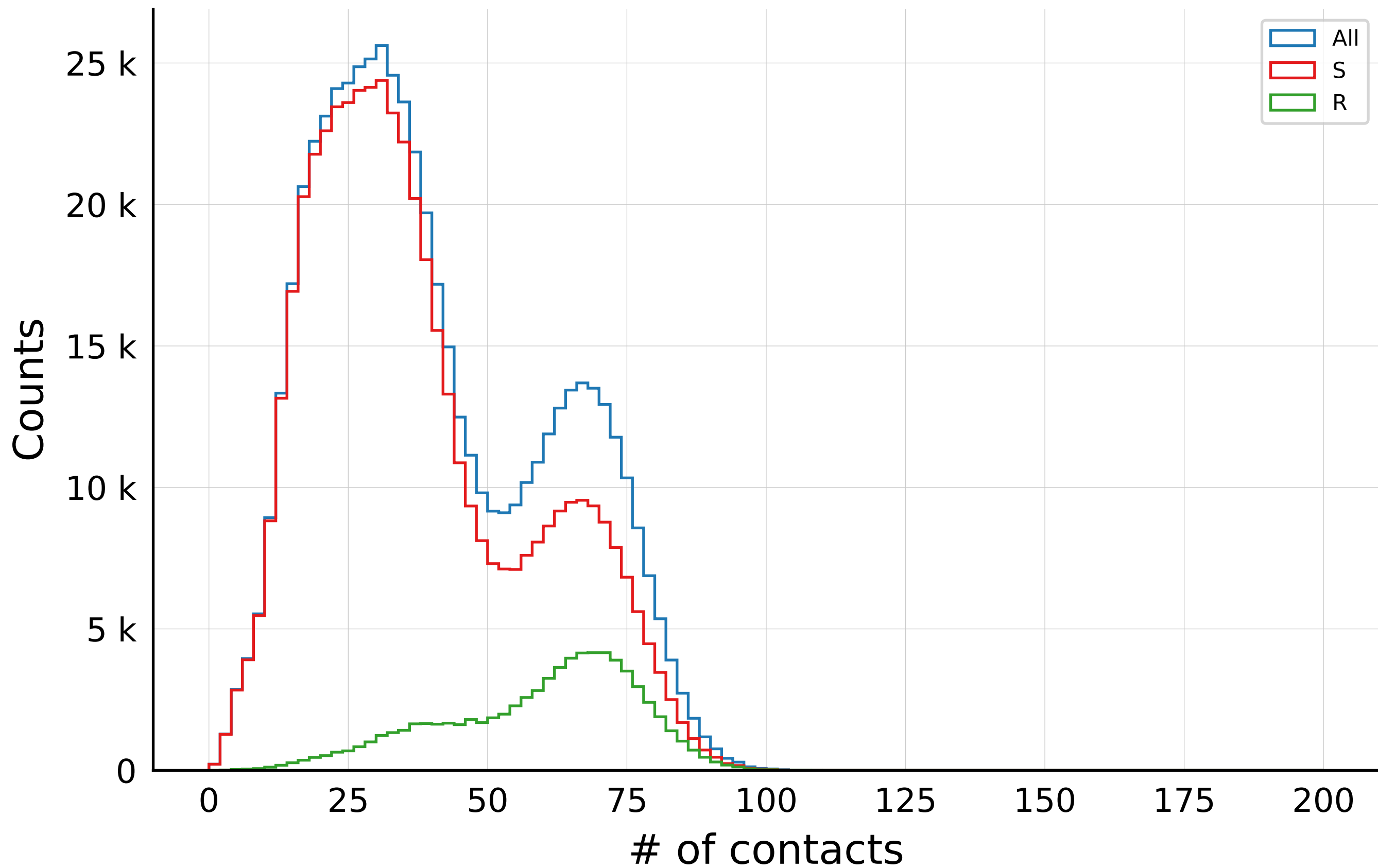
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.01$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.005$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



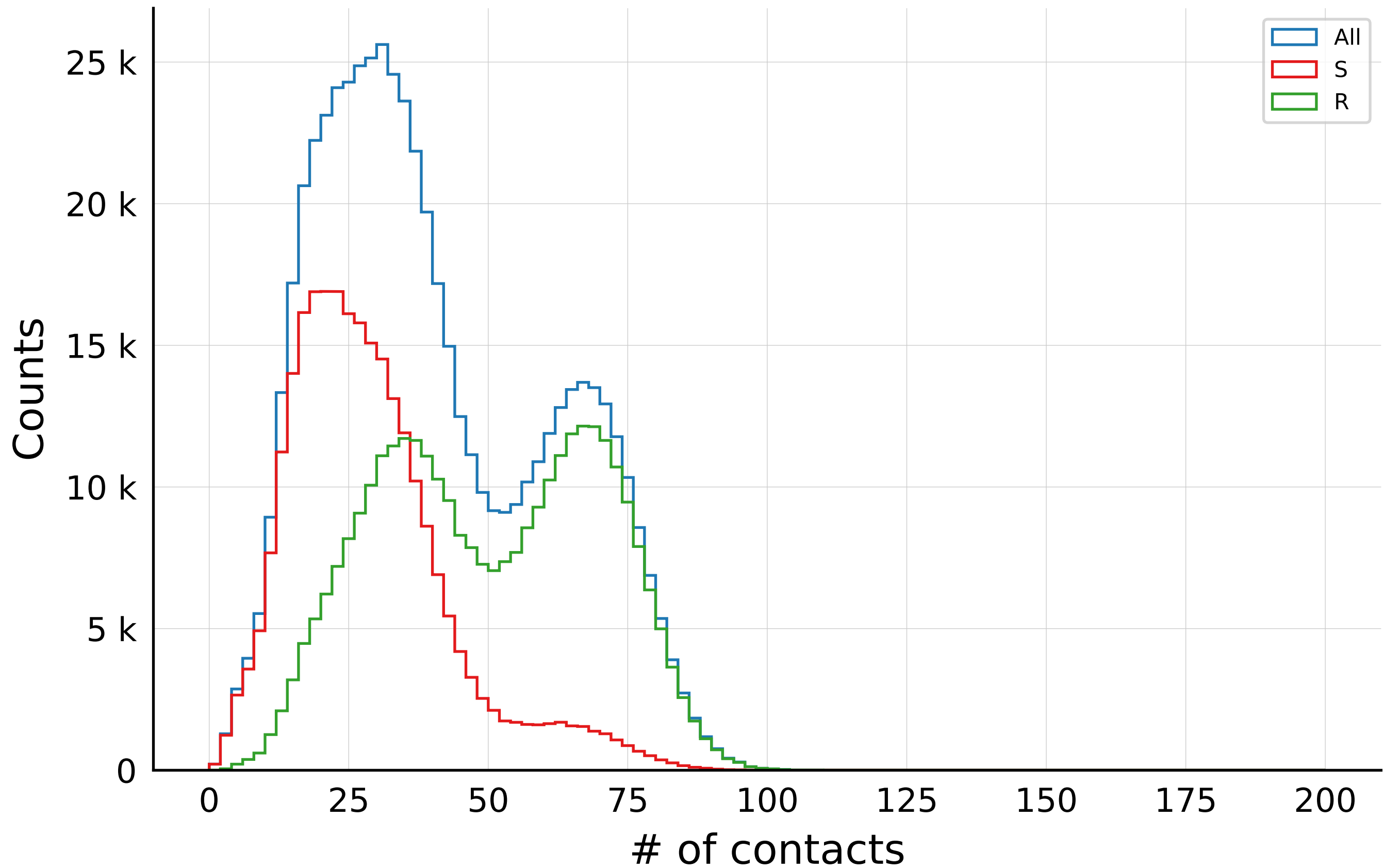
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.01, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



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

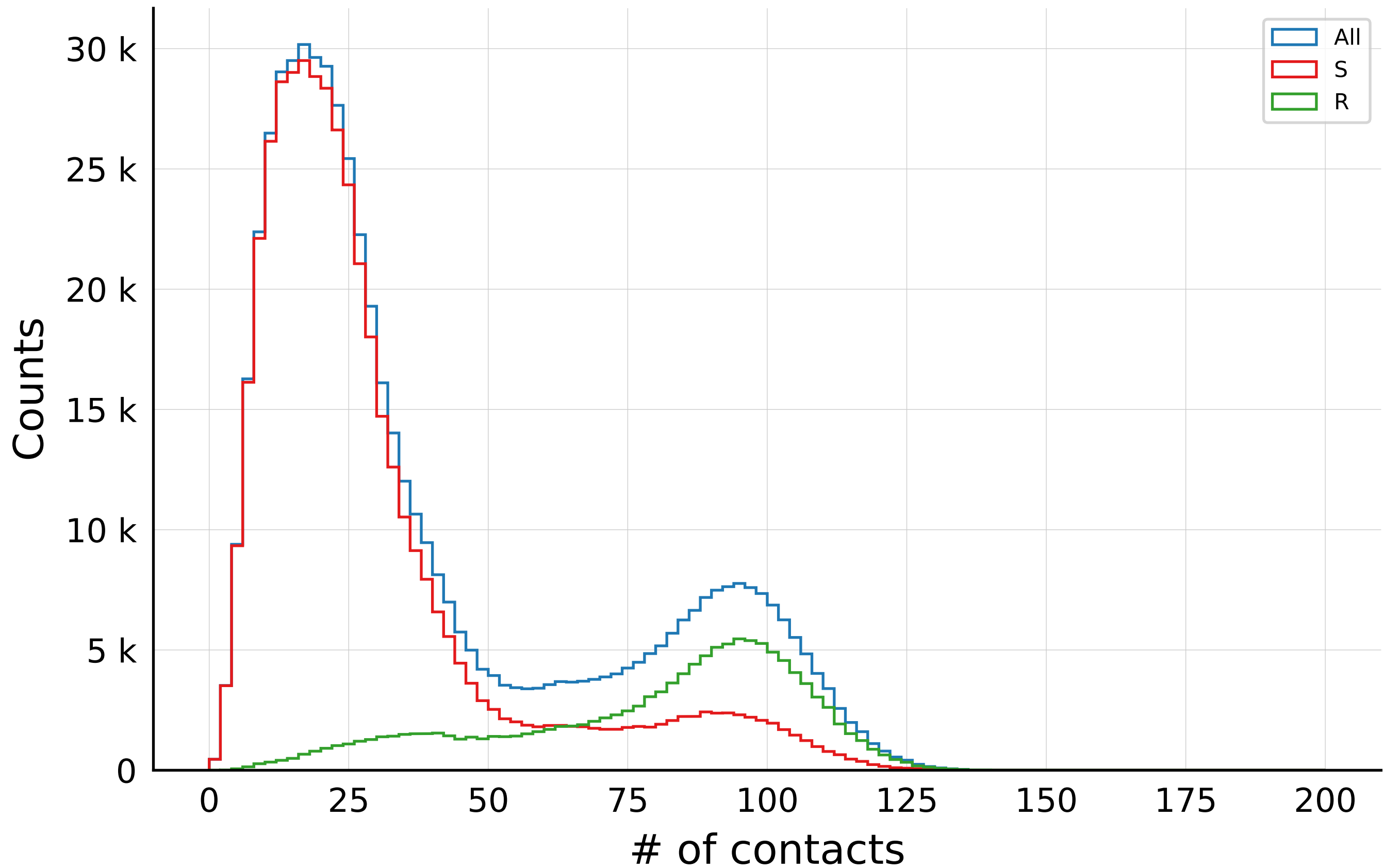


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.025, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

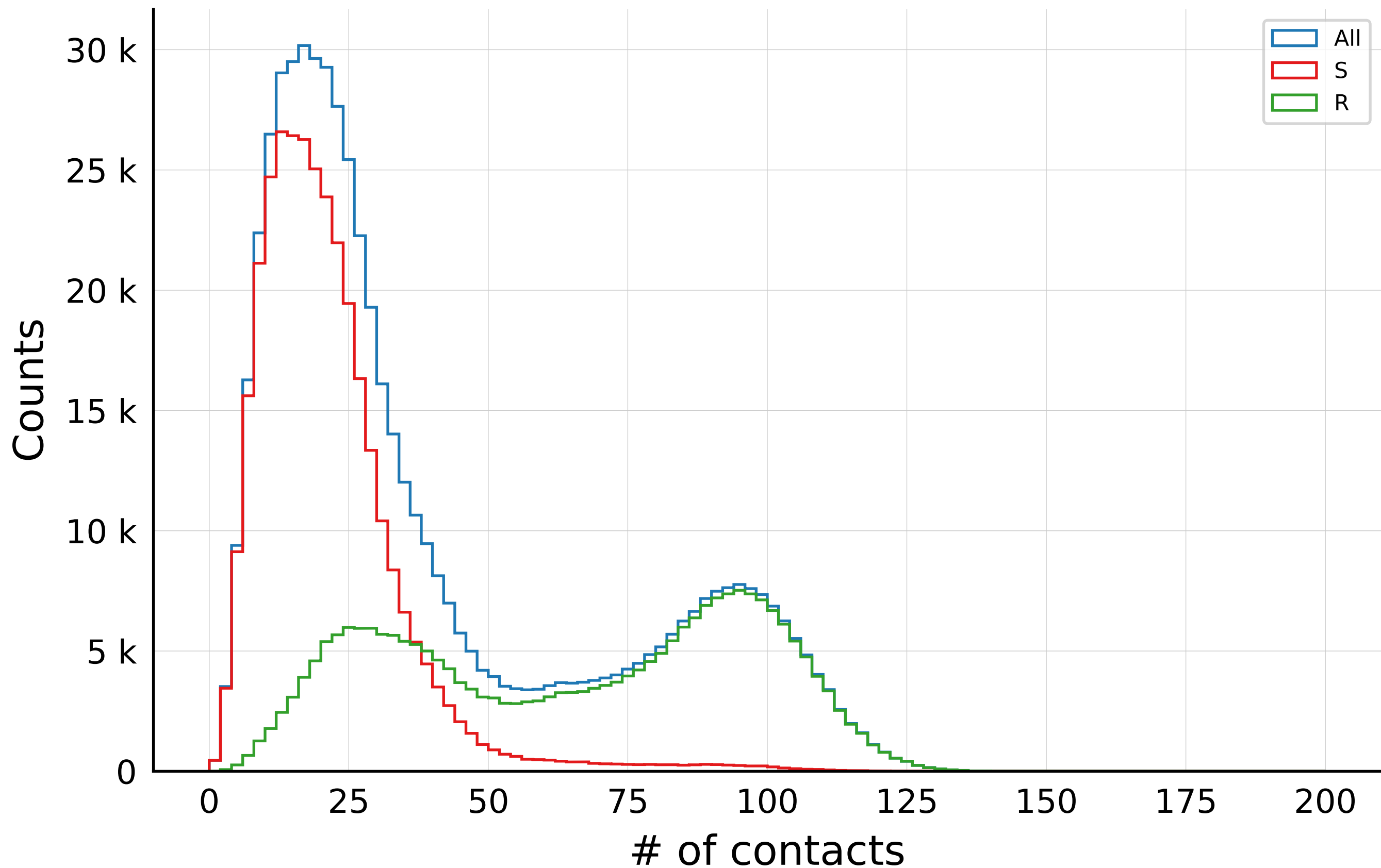


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.05, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.005, \sigma_{\beta} = 0.0$$

$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

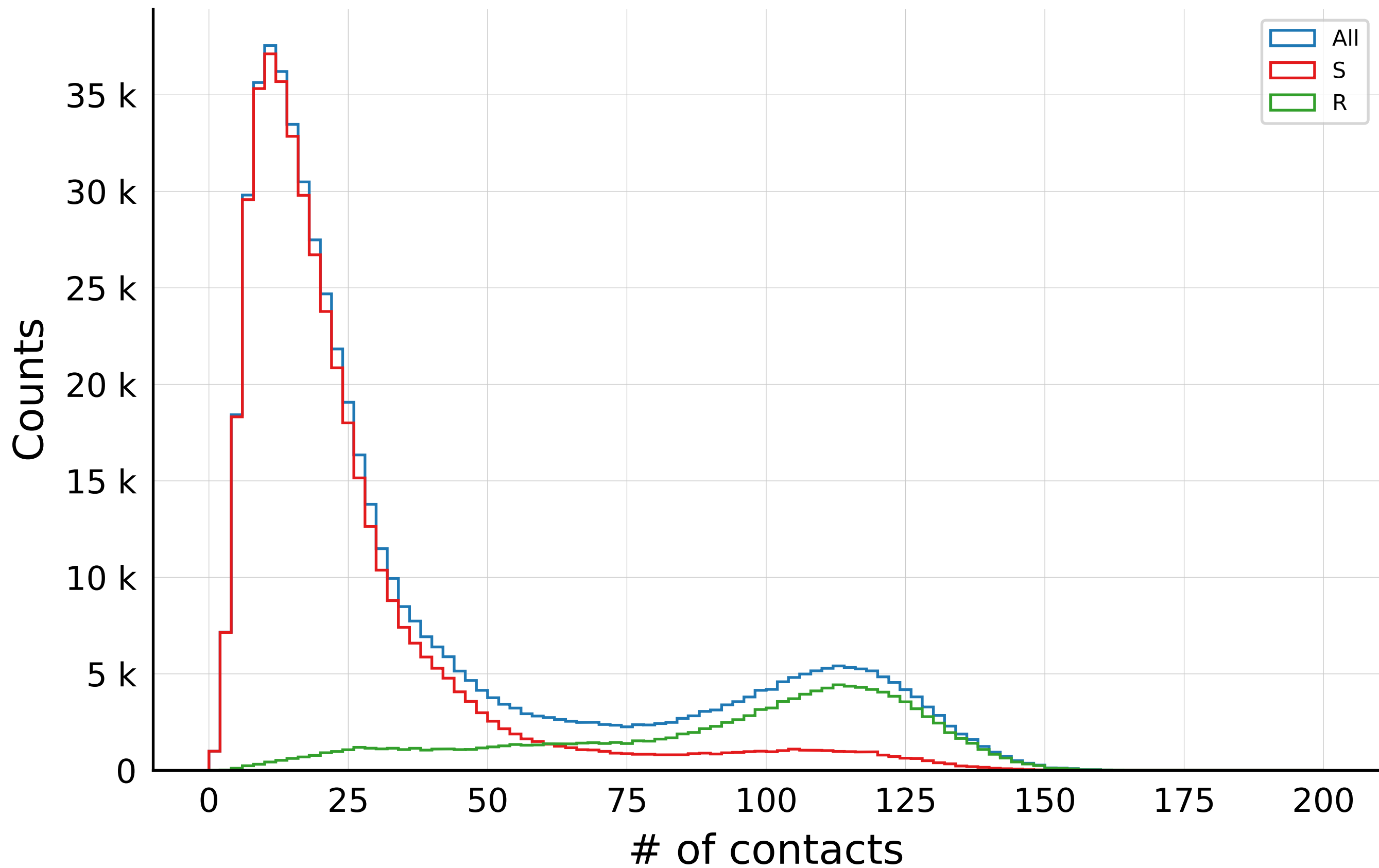


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.05, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

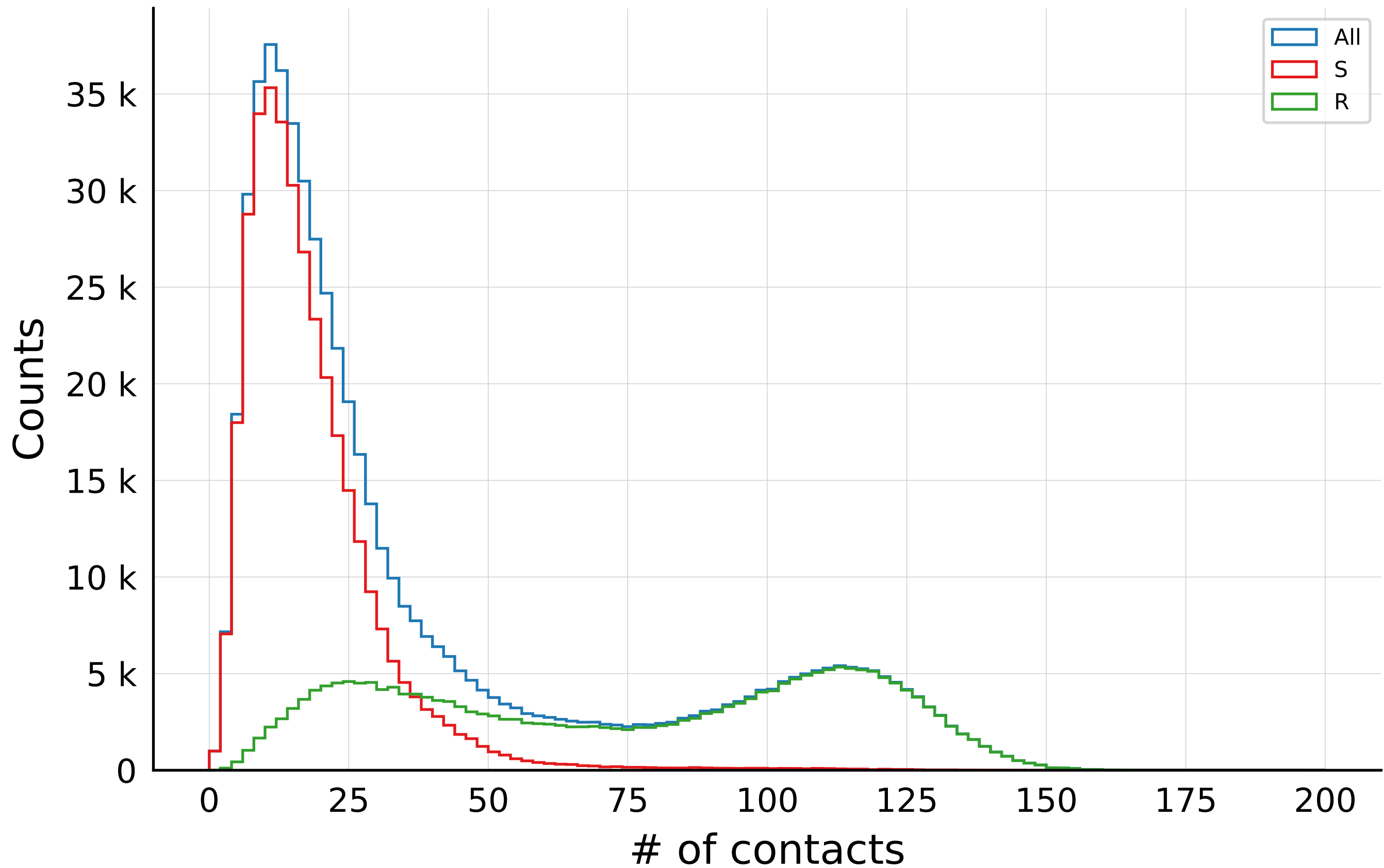


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.075, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.005, \sigma_{\beta} = 0.0$$

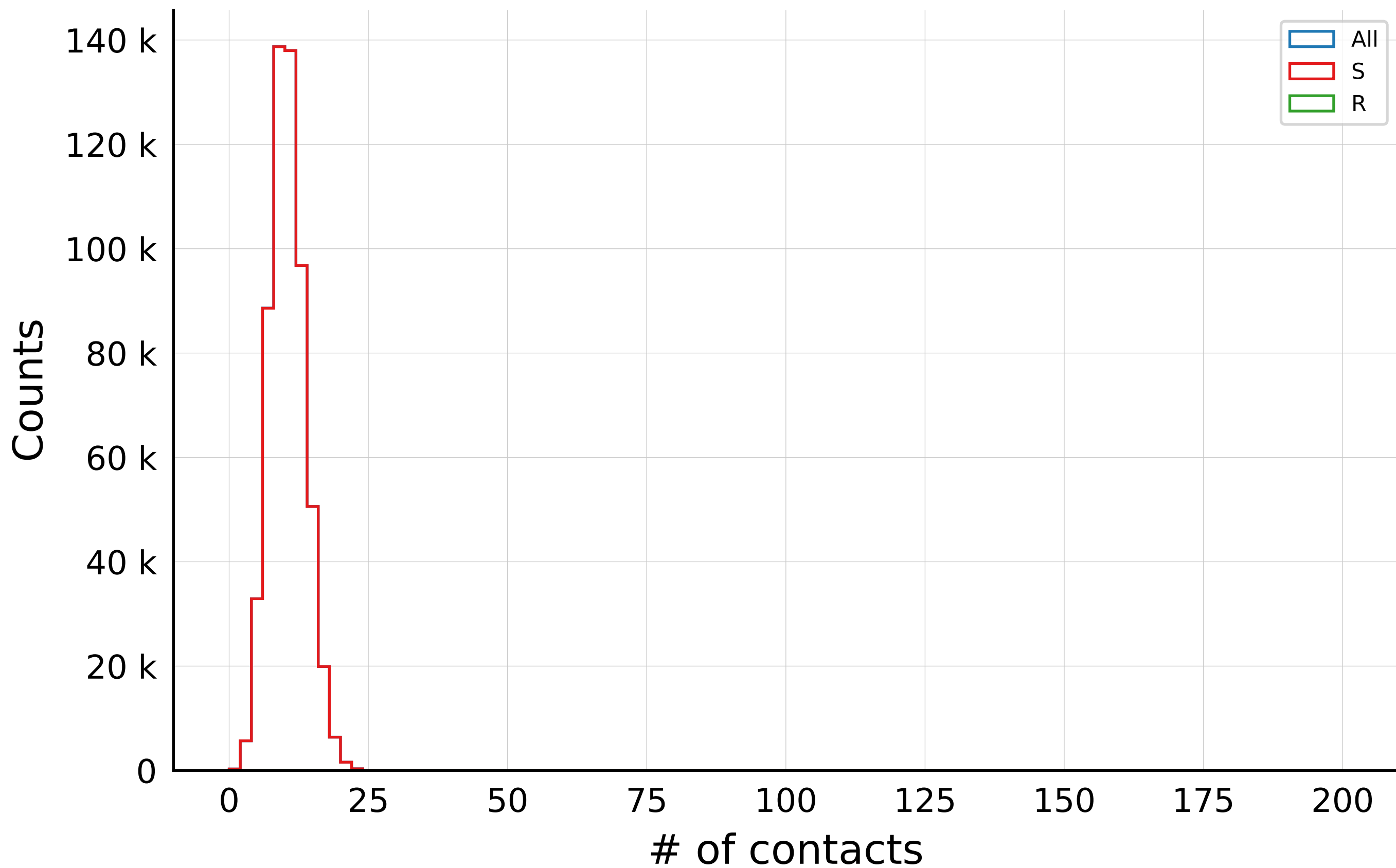
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



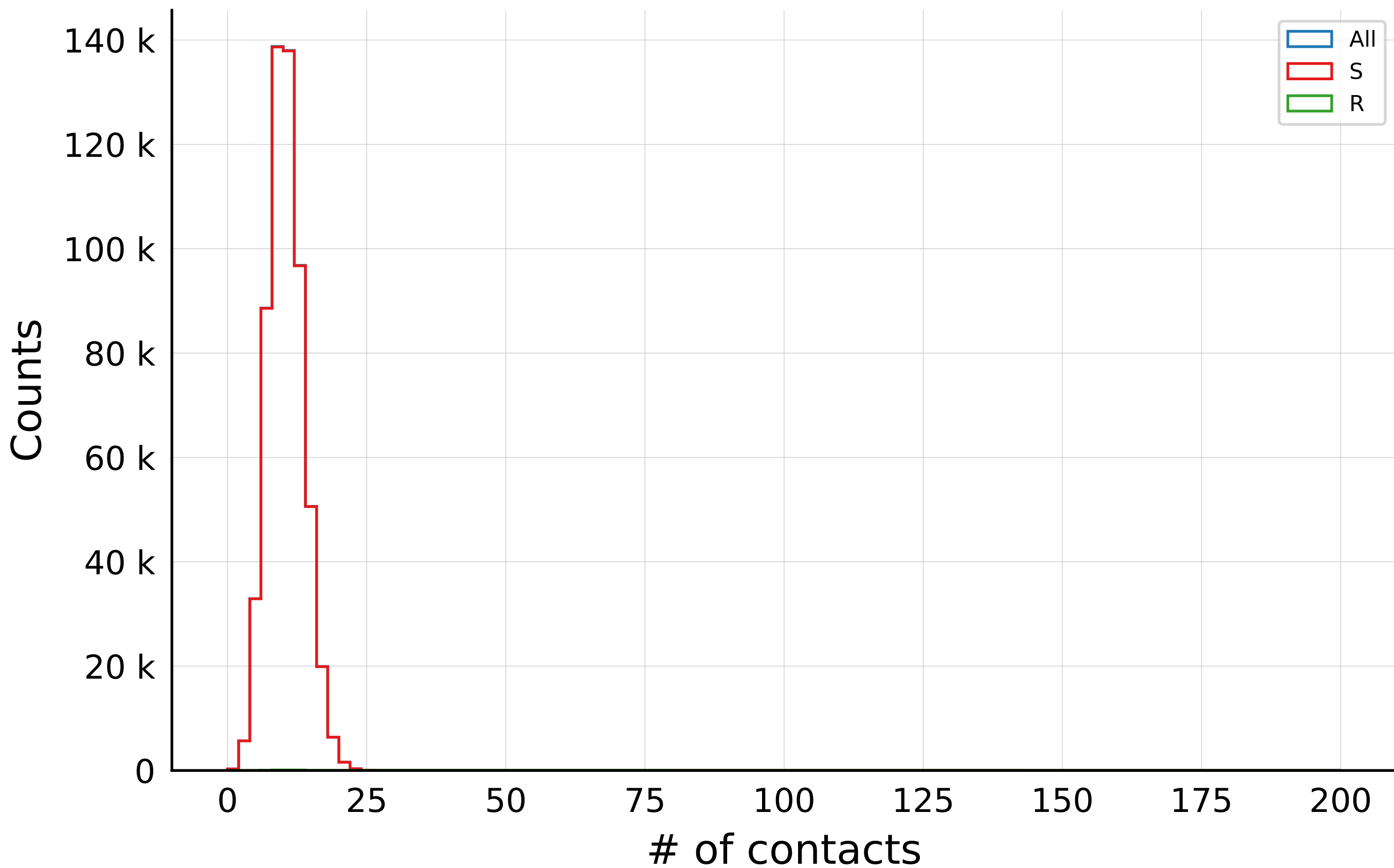
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.075, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



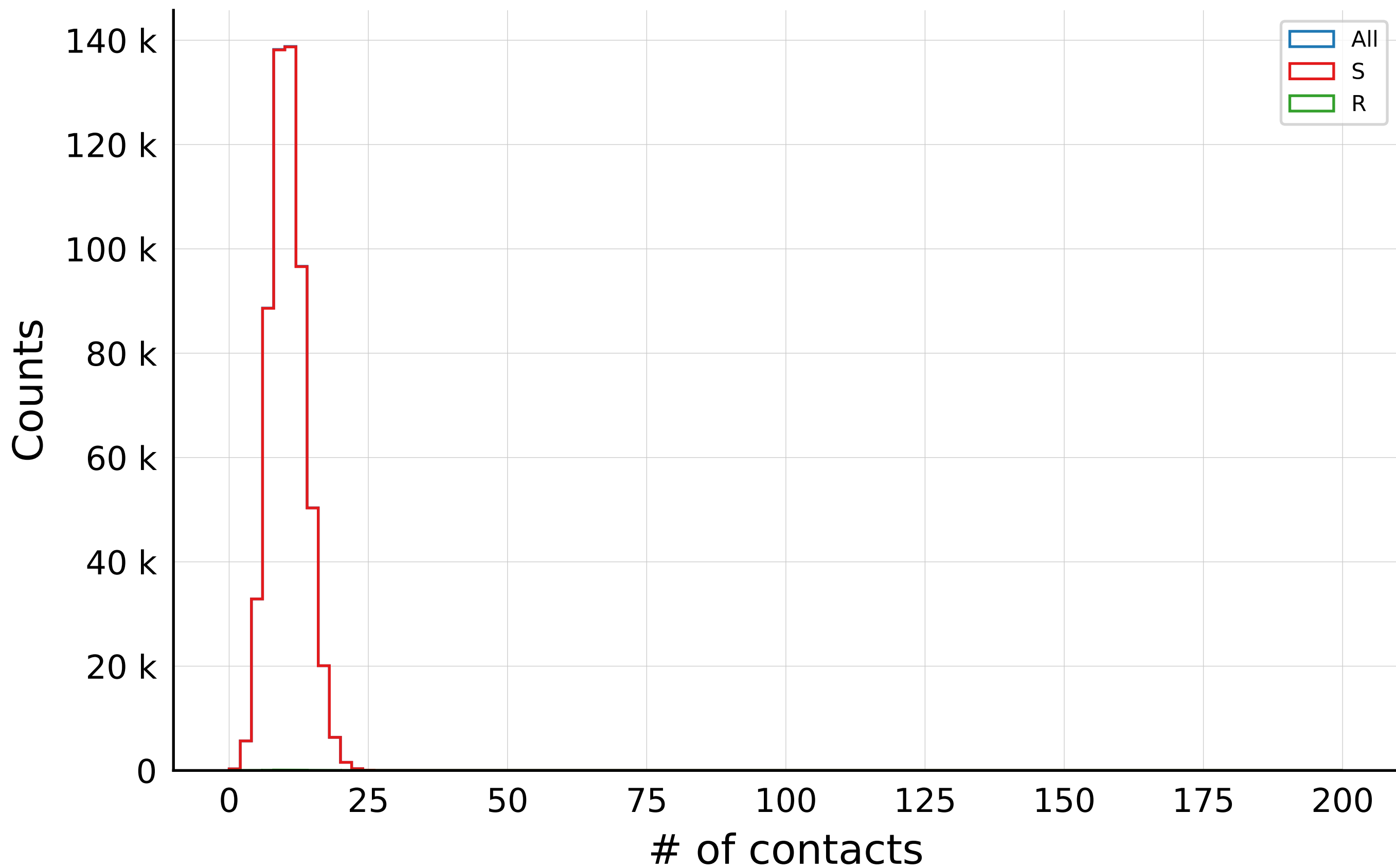
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 10.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



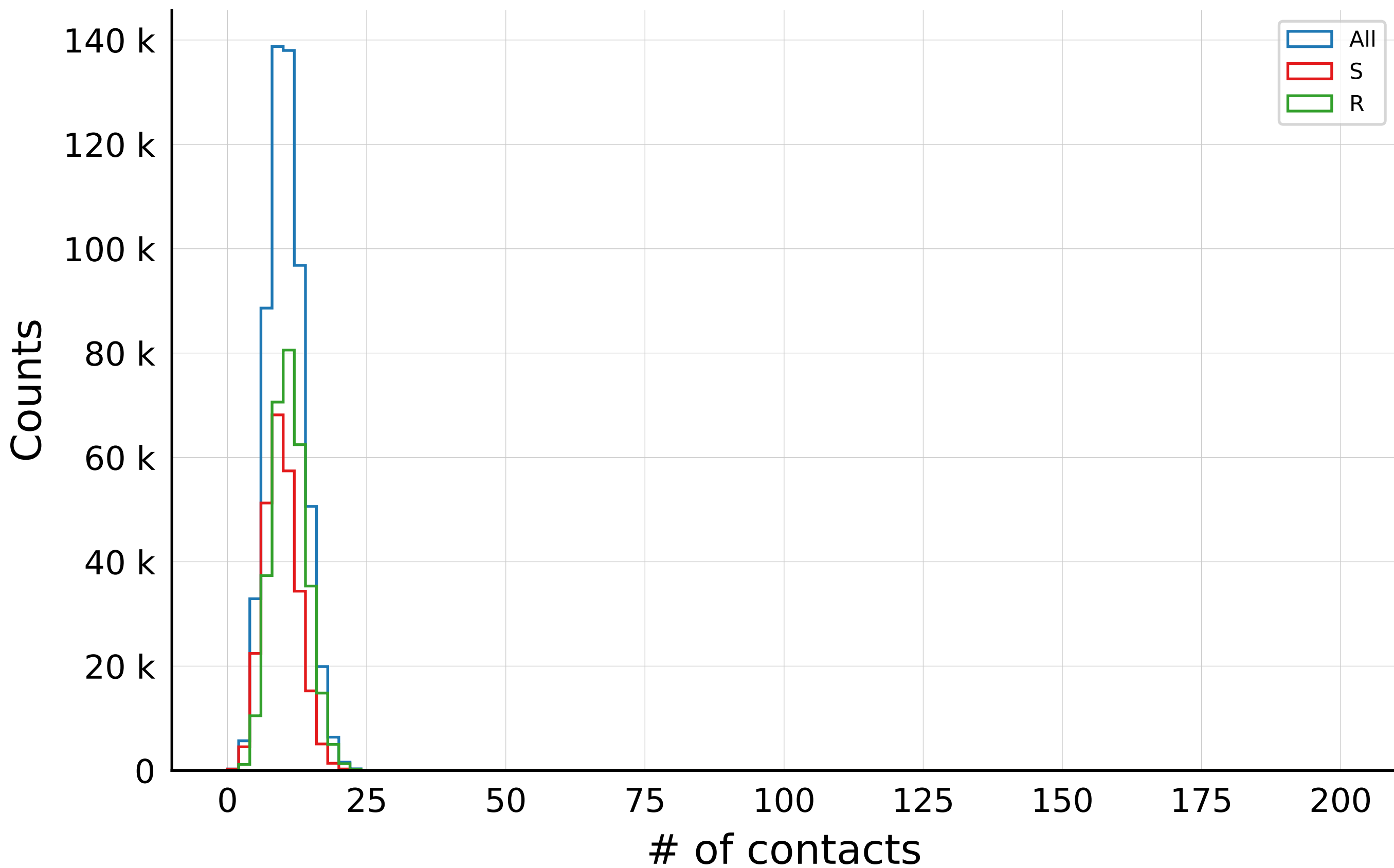
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 10.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.02$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



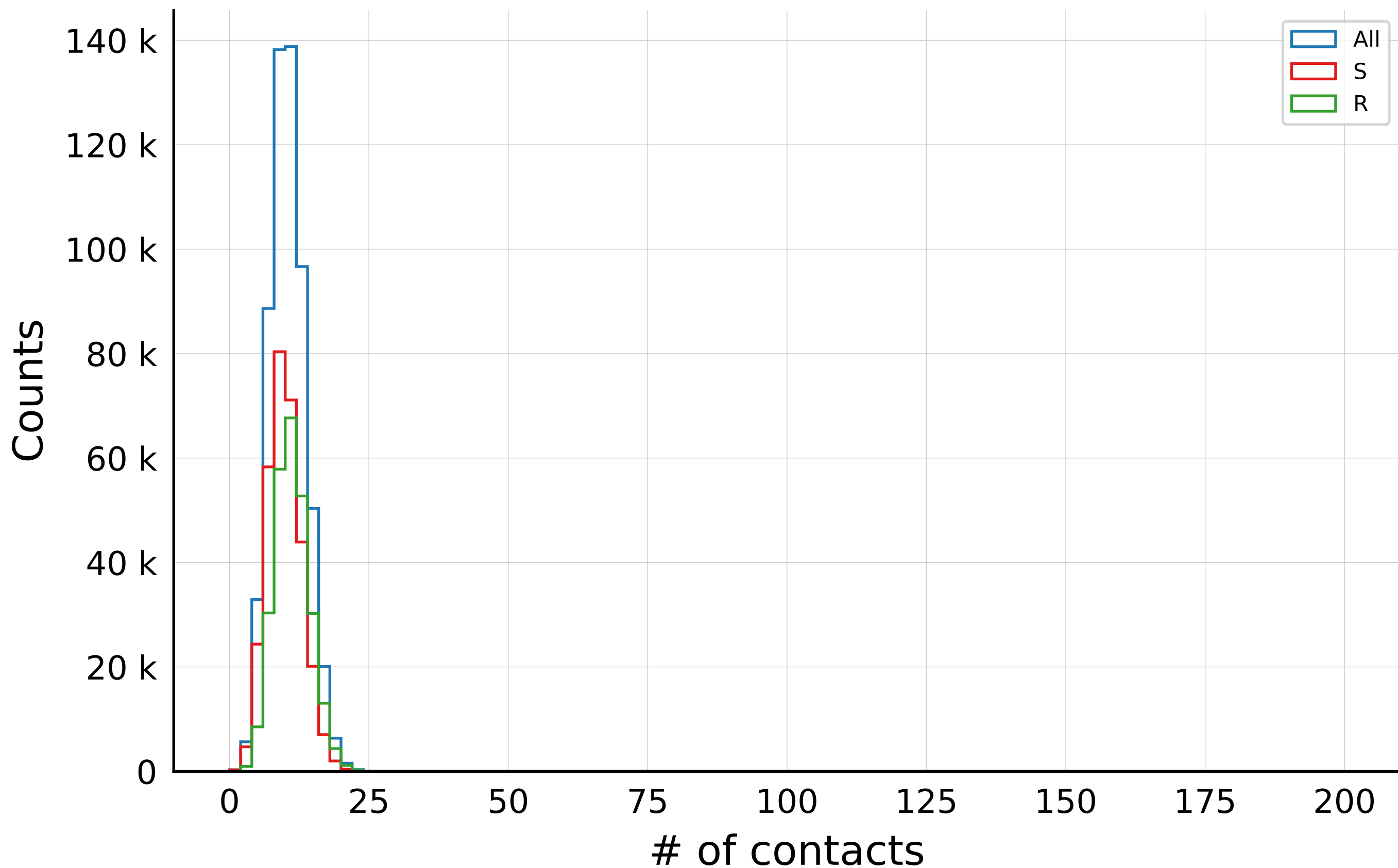
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 10.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.02$, $\sigma_{\beta} = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



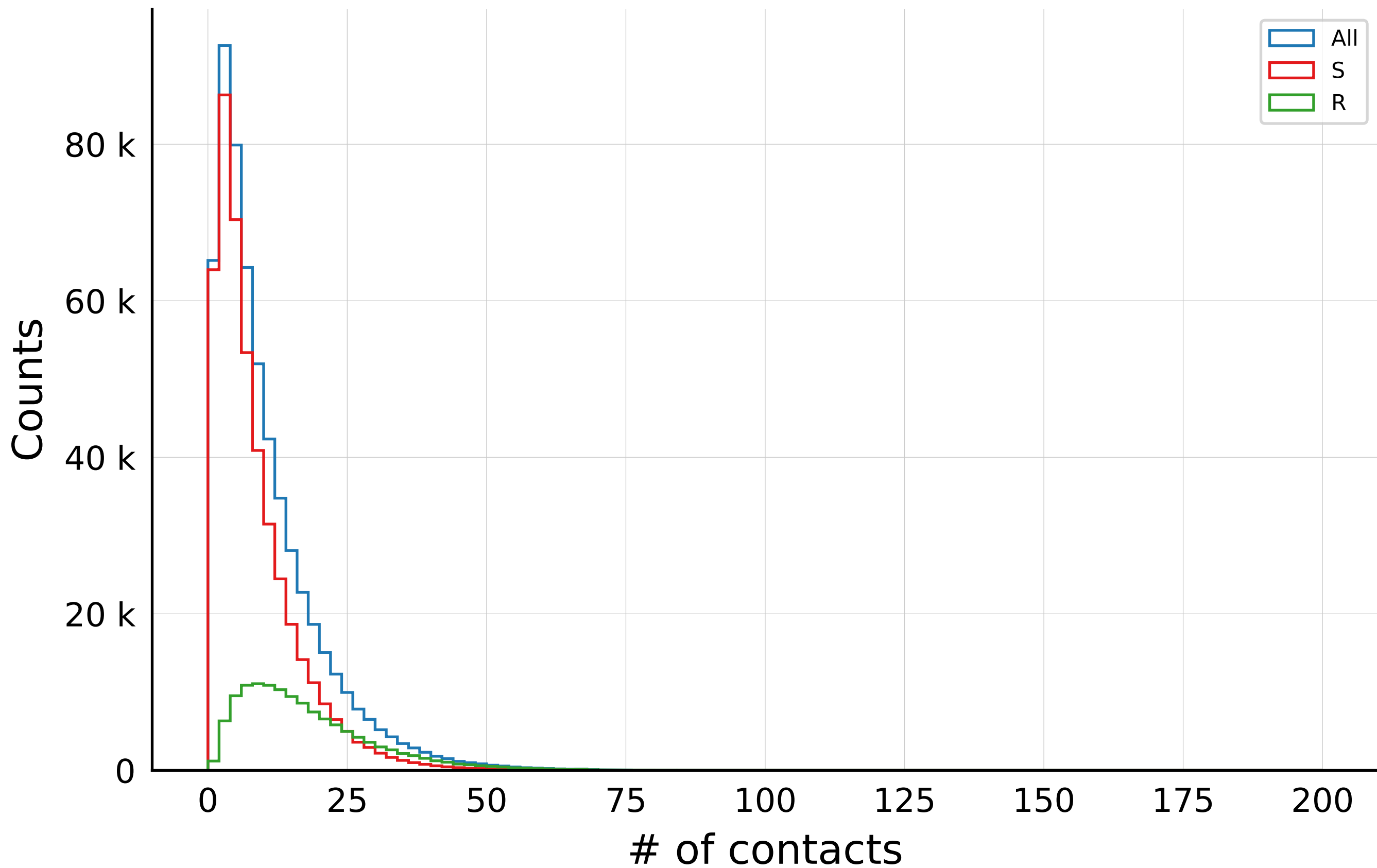
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 10.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.04$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



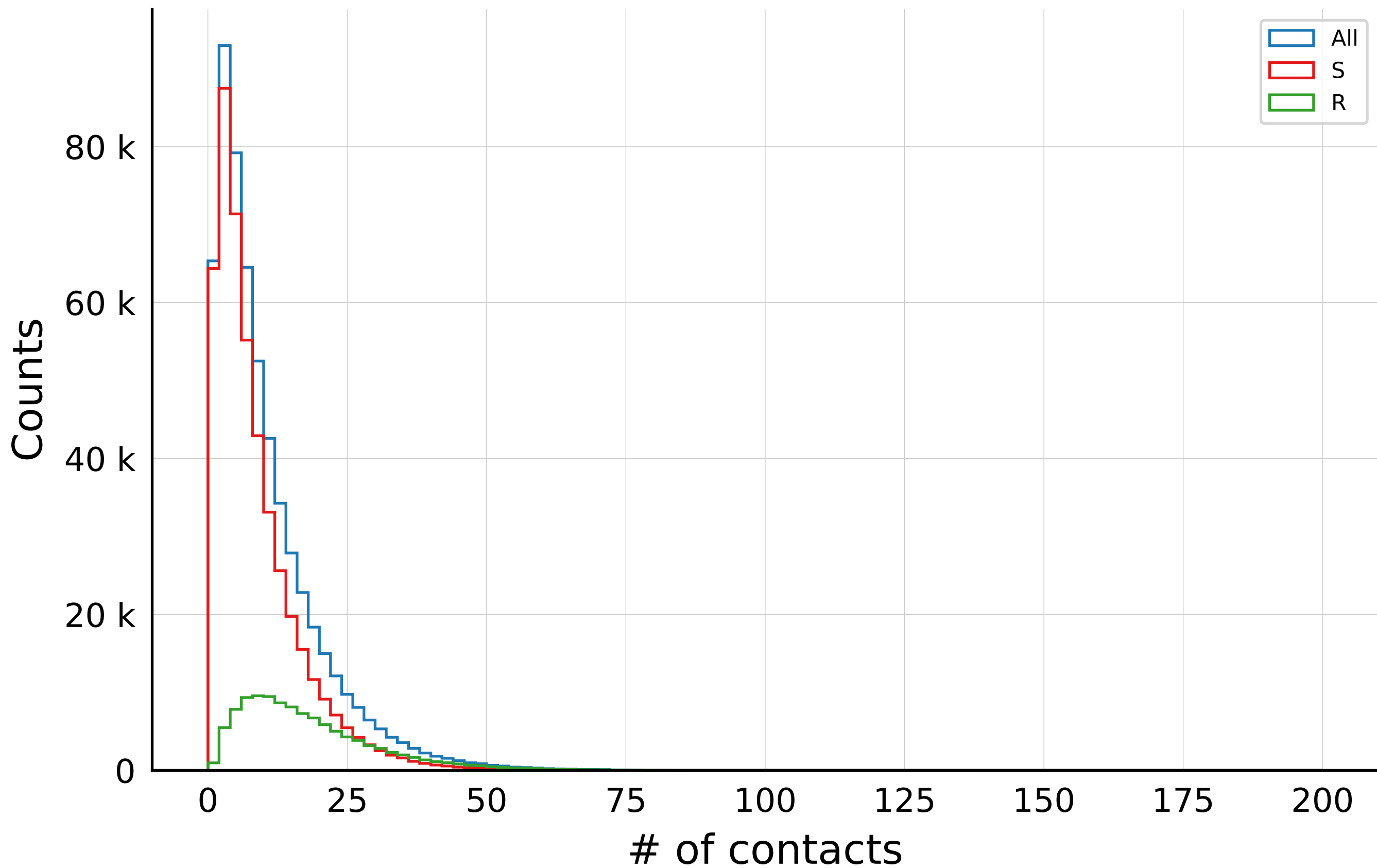
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 10.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.04$, $\sigma_{\beta} = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



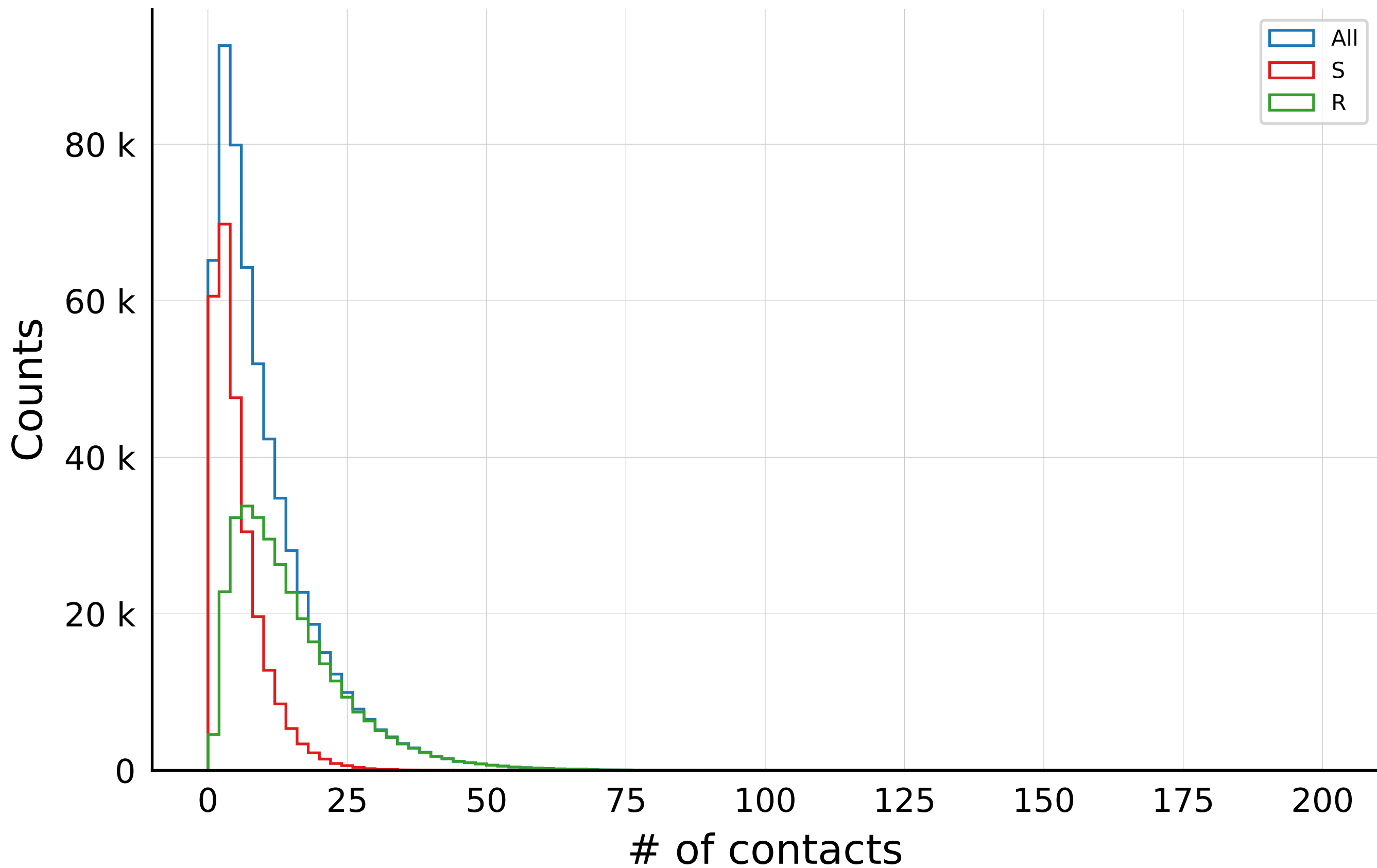
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



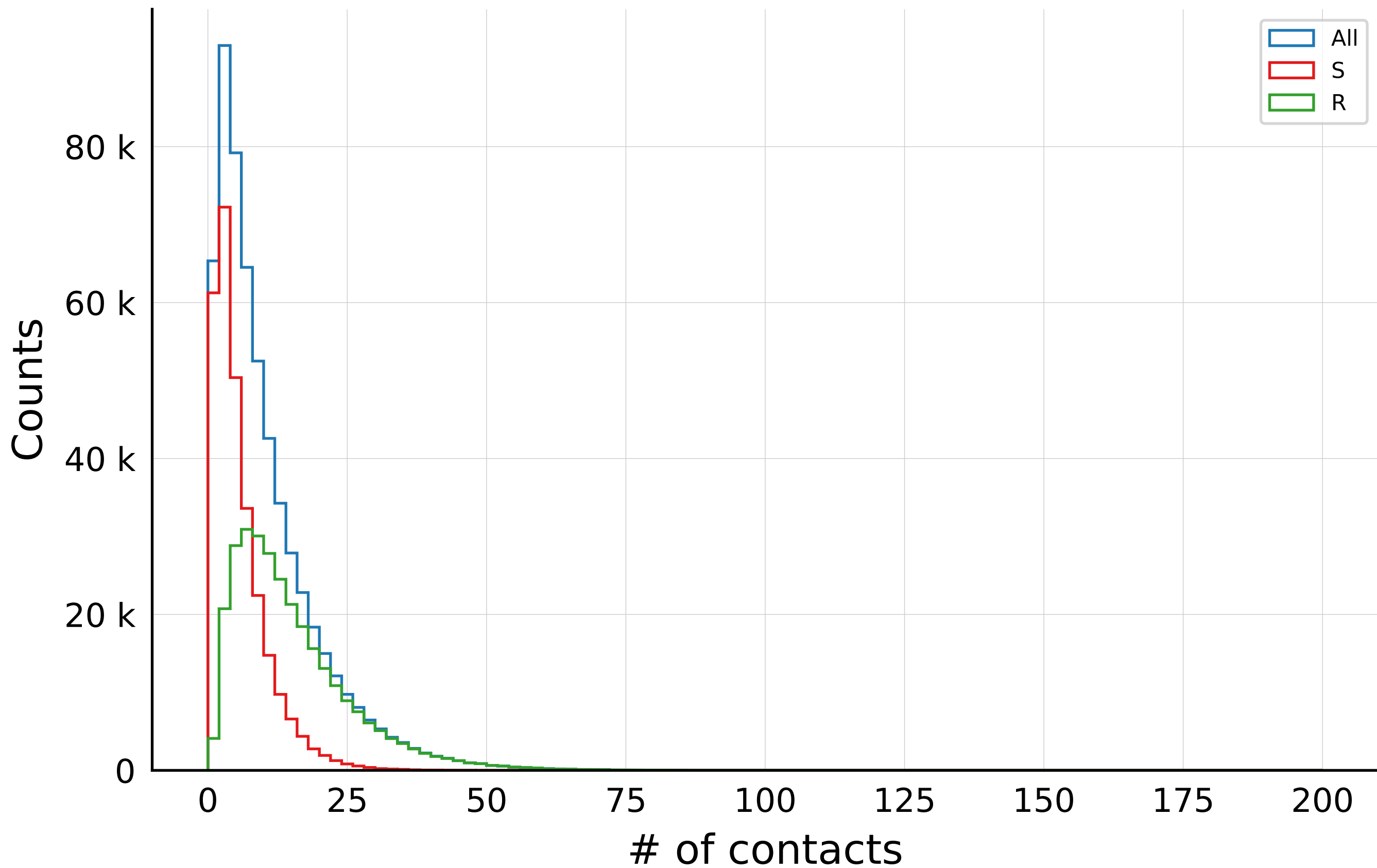
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 10.0$, $\sigma_{\mu} = 1.0$, $\beta = 0.02$, $\sigma_{\beta} = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



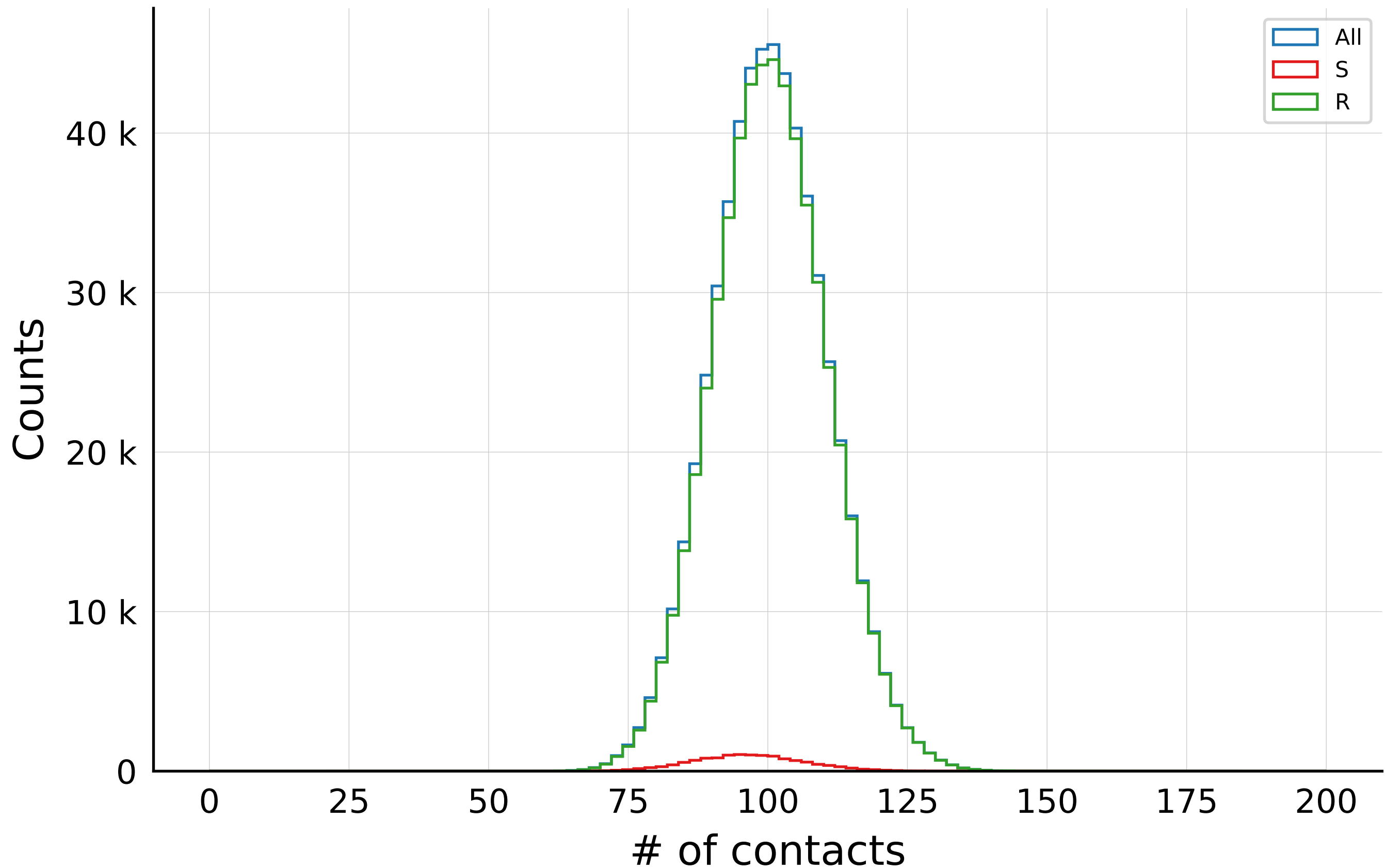
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 10.0$, $\sigma_{\mu} = 1.0$, $\beta = 0.04$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



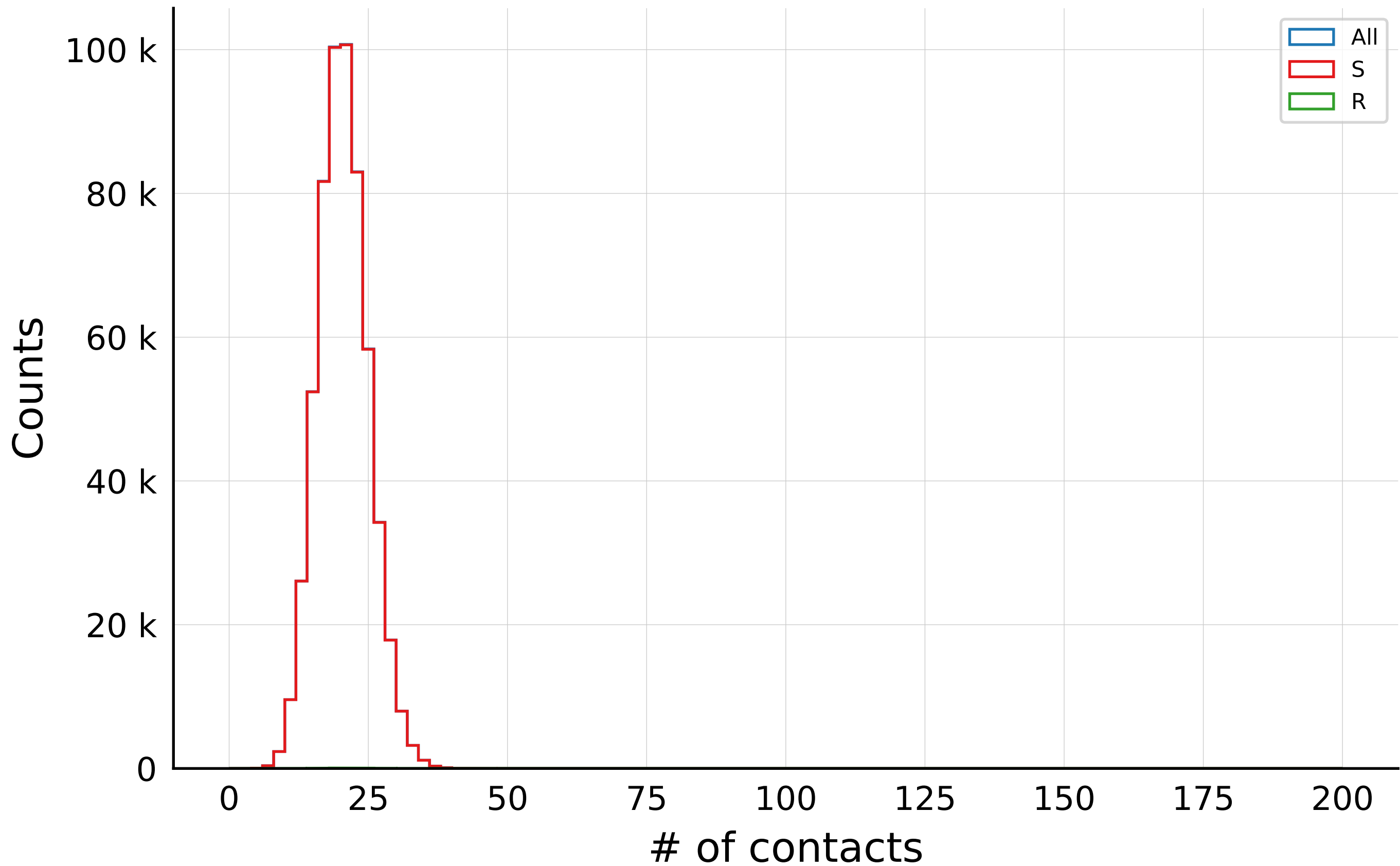
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



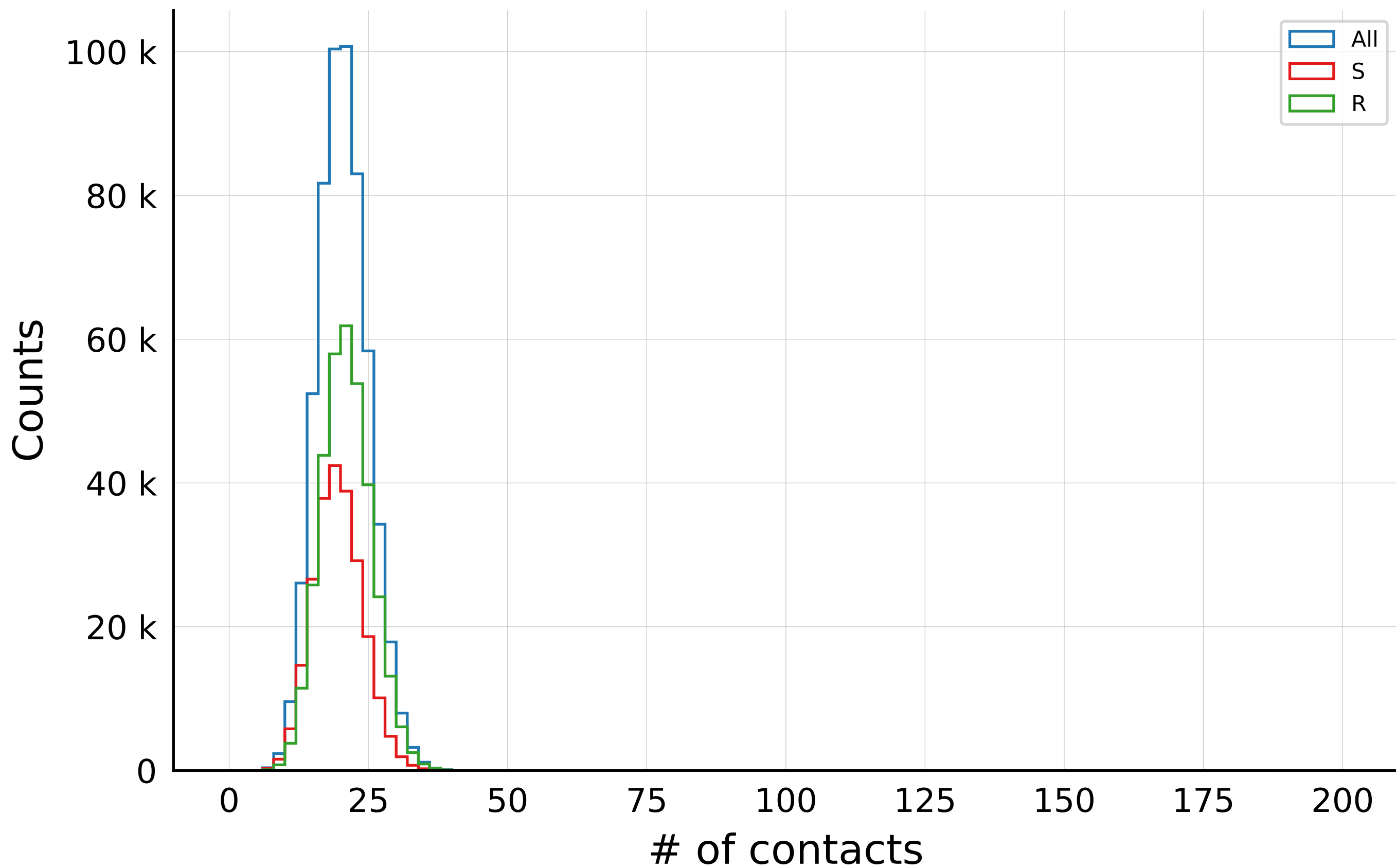
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 100.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



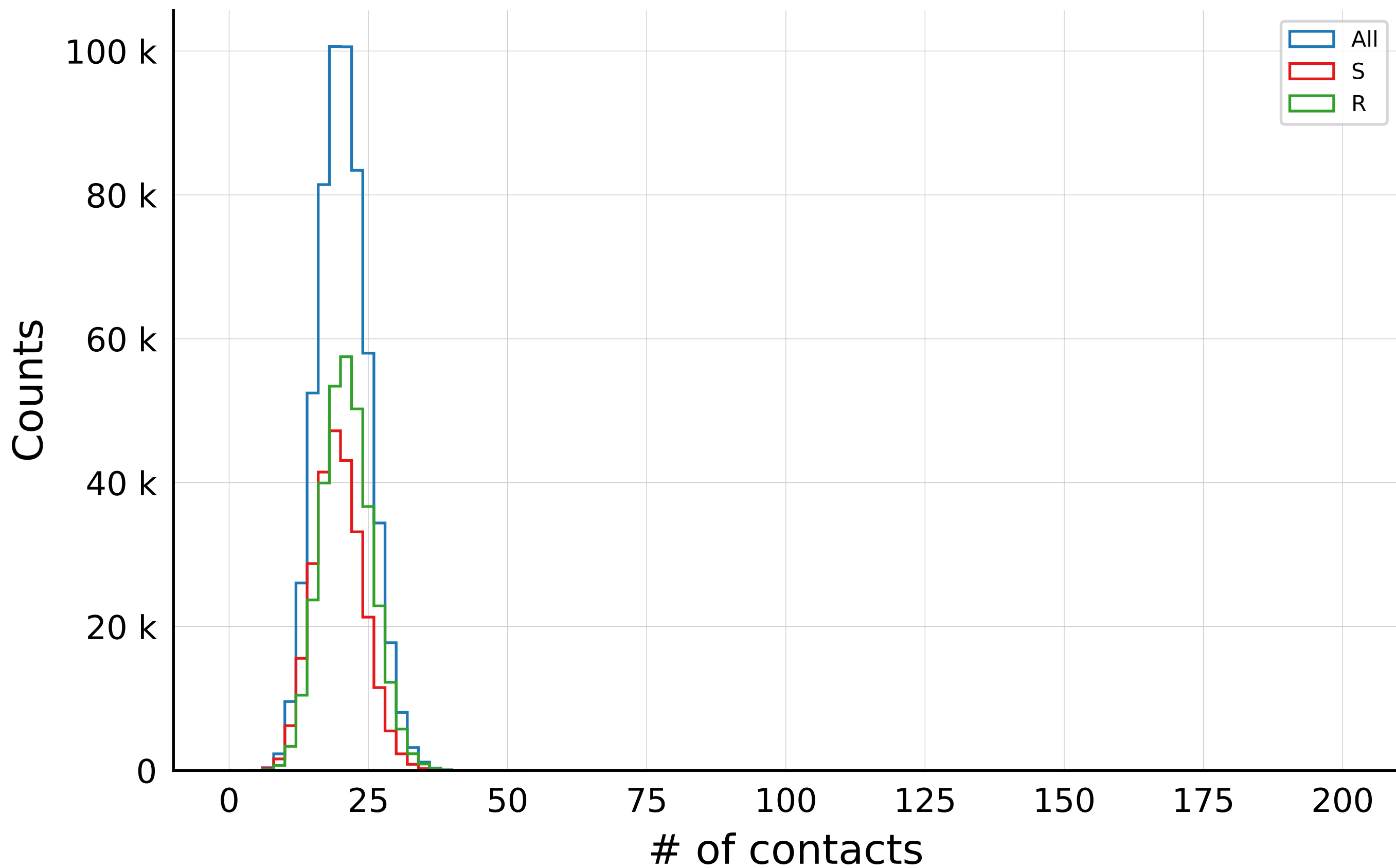
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 20.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



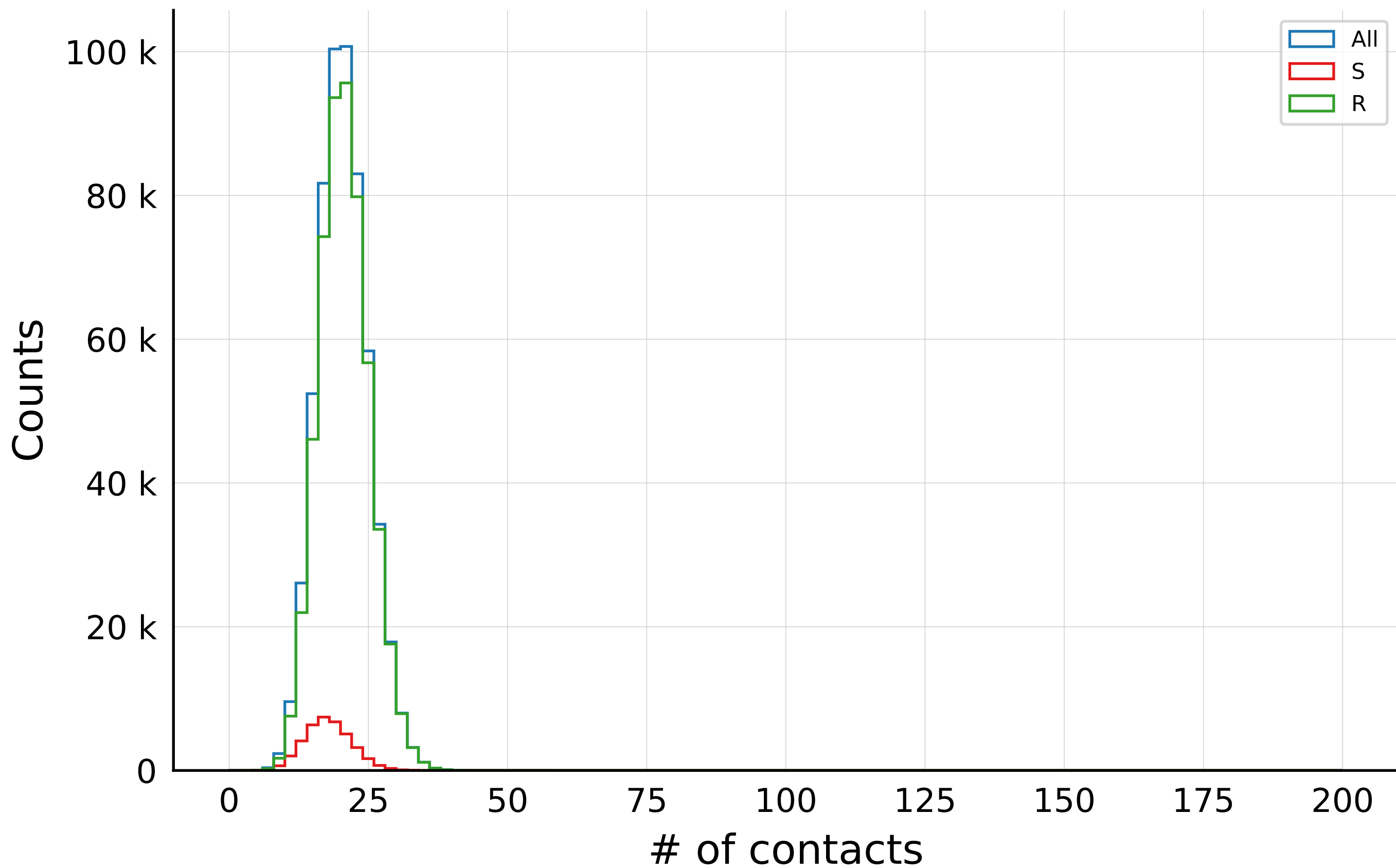
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 20.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.02$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



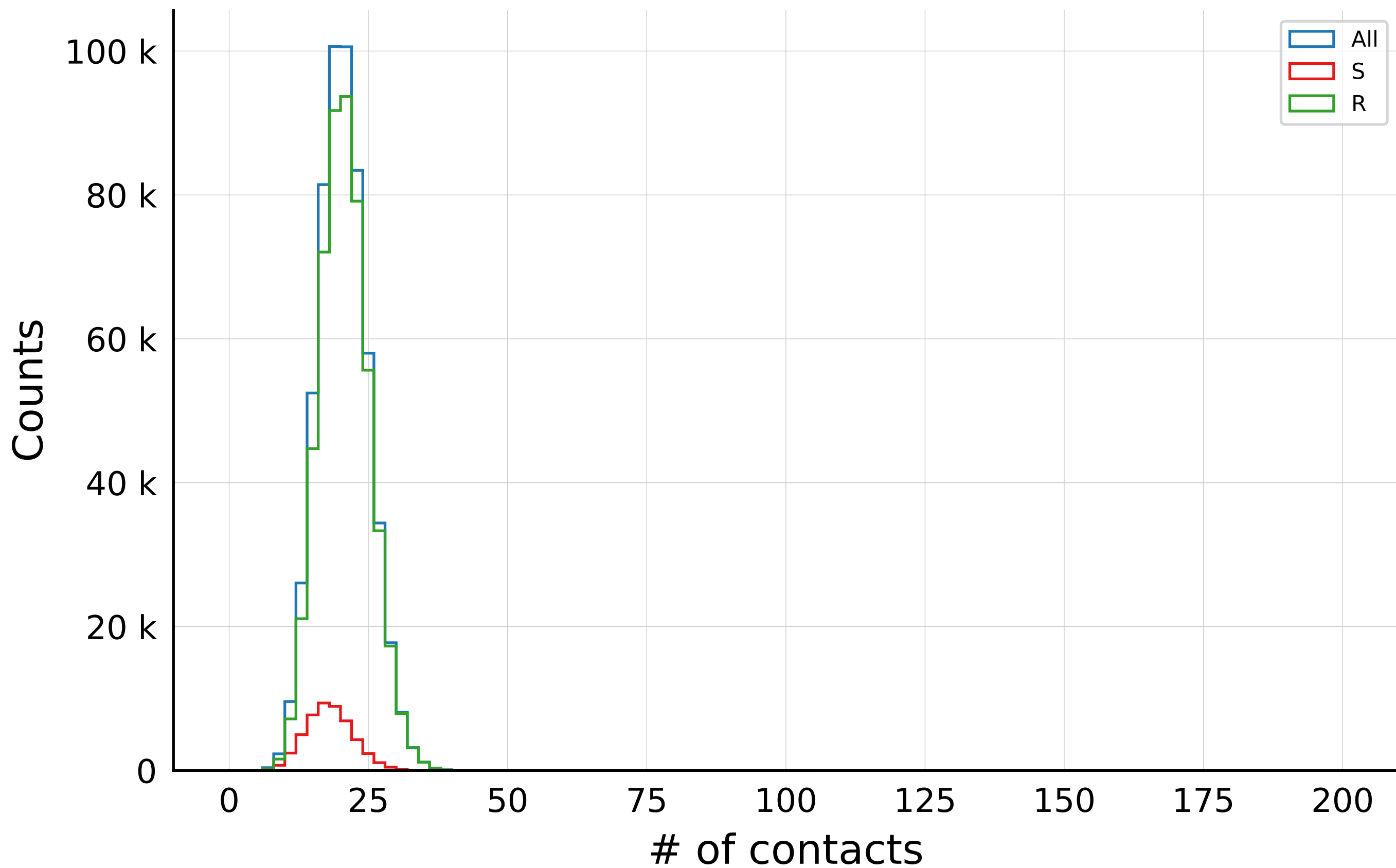
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 20.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.02$, $\sigma_{\beta} = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



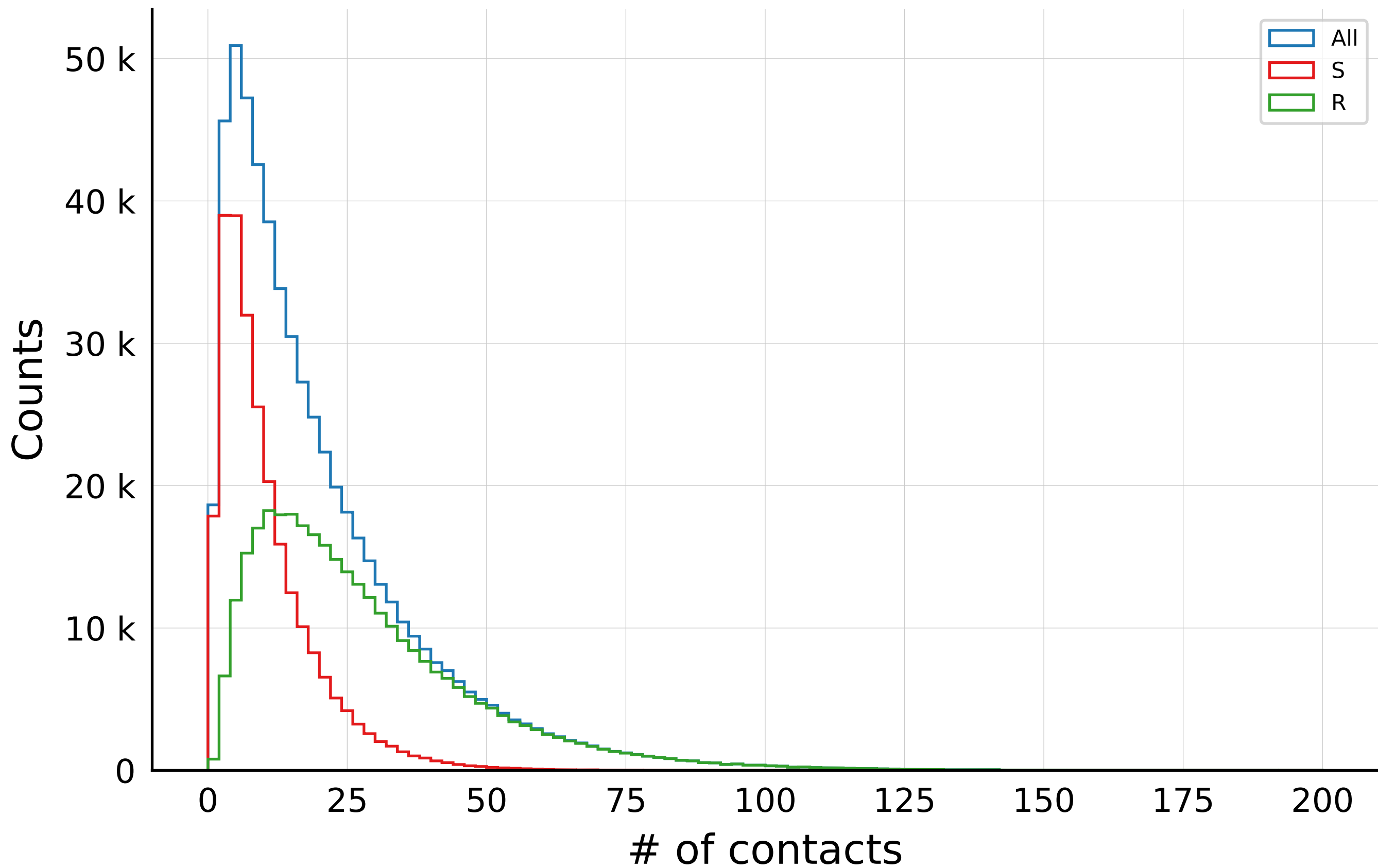
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 20.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.04$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



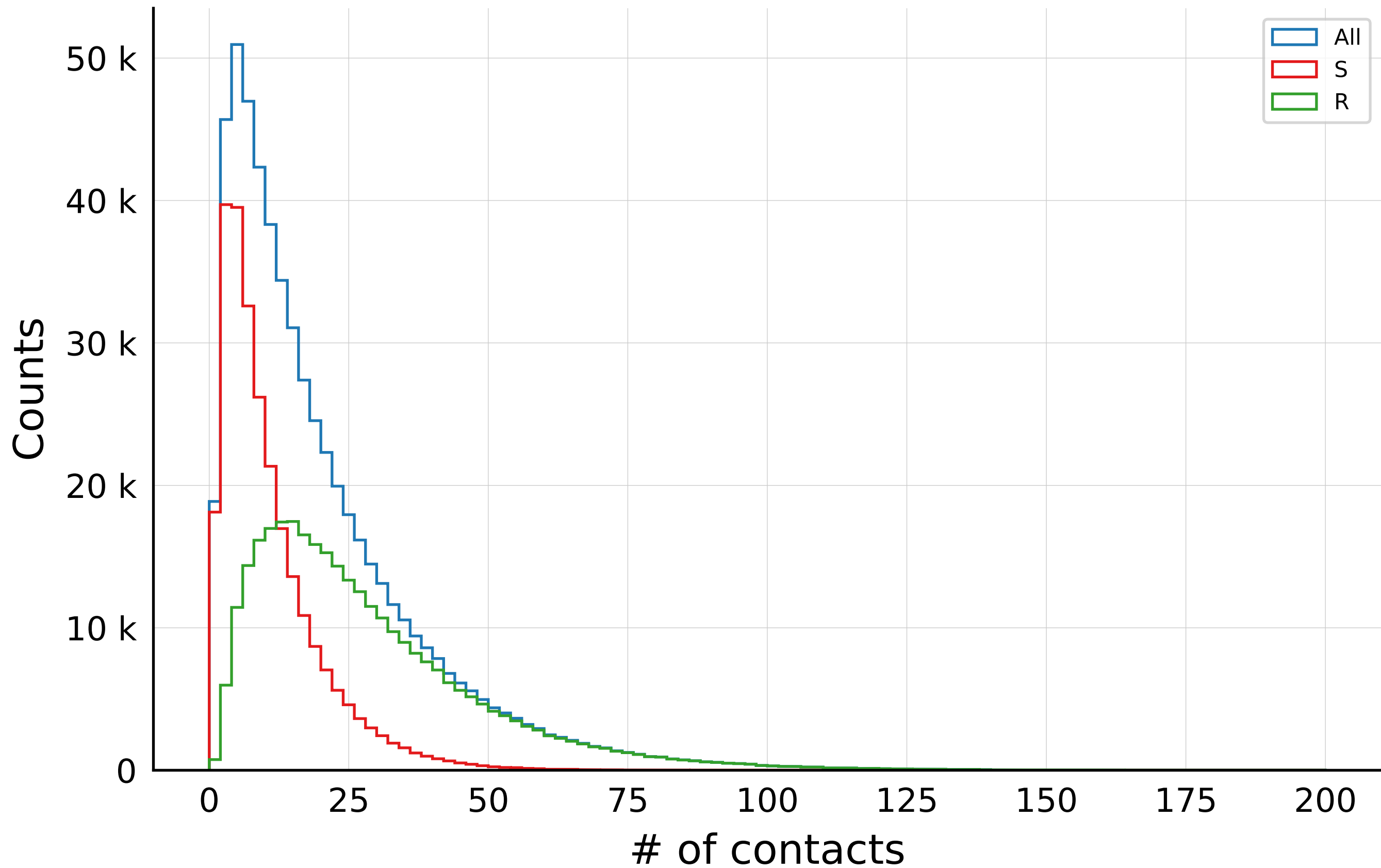
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



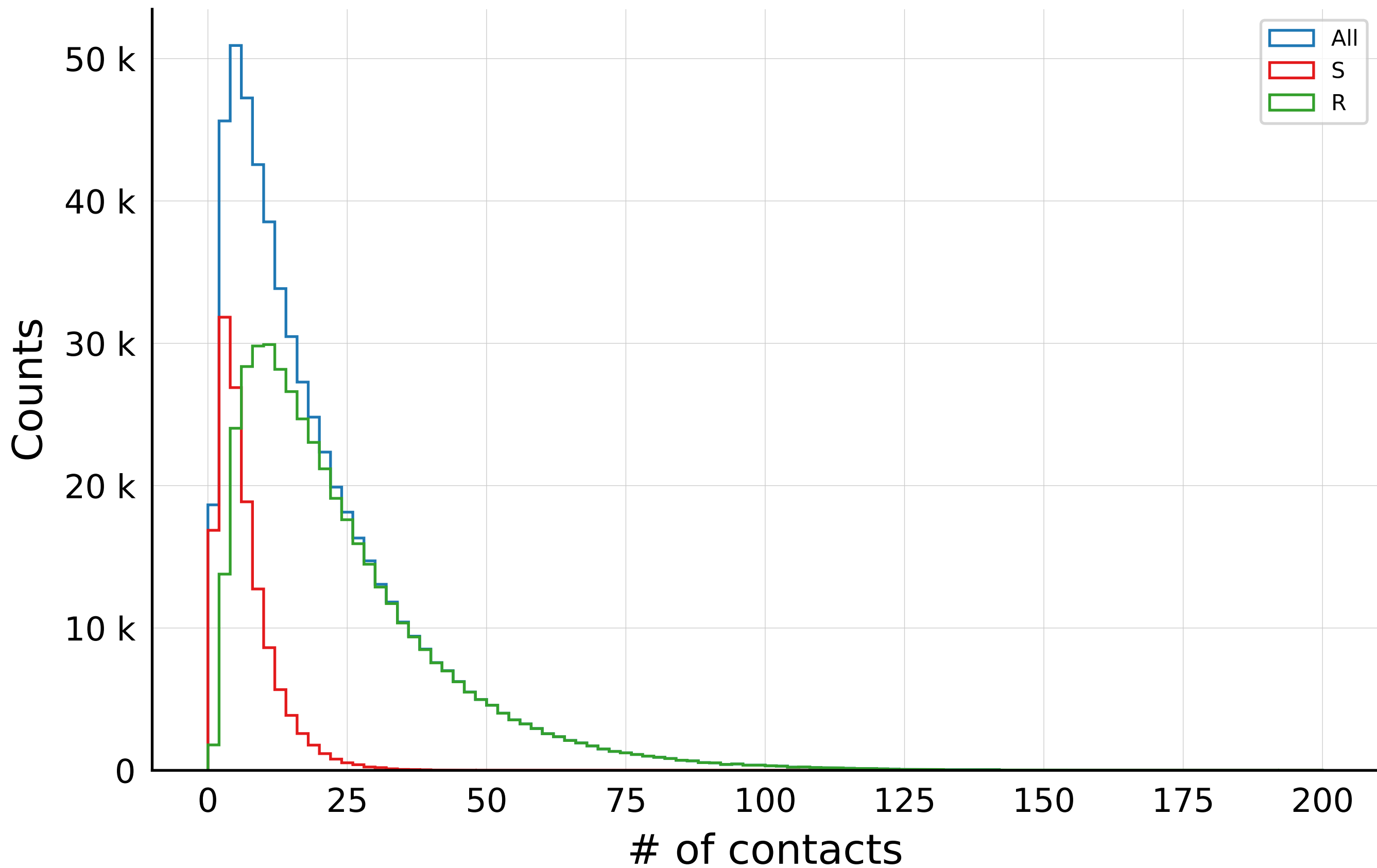
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 20.0$, $\sigma_{\mu} = 1.0$, $\beta = 0.02$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



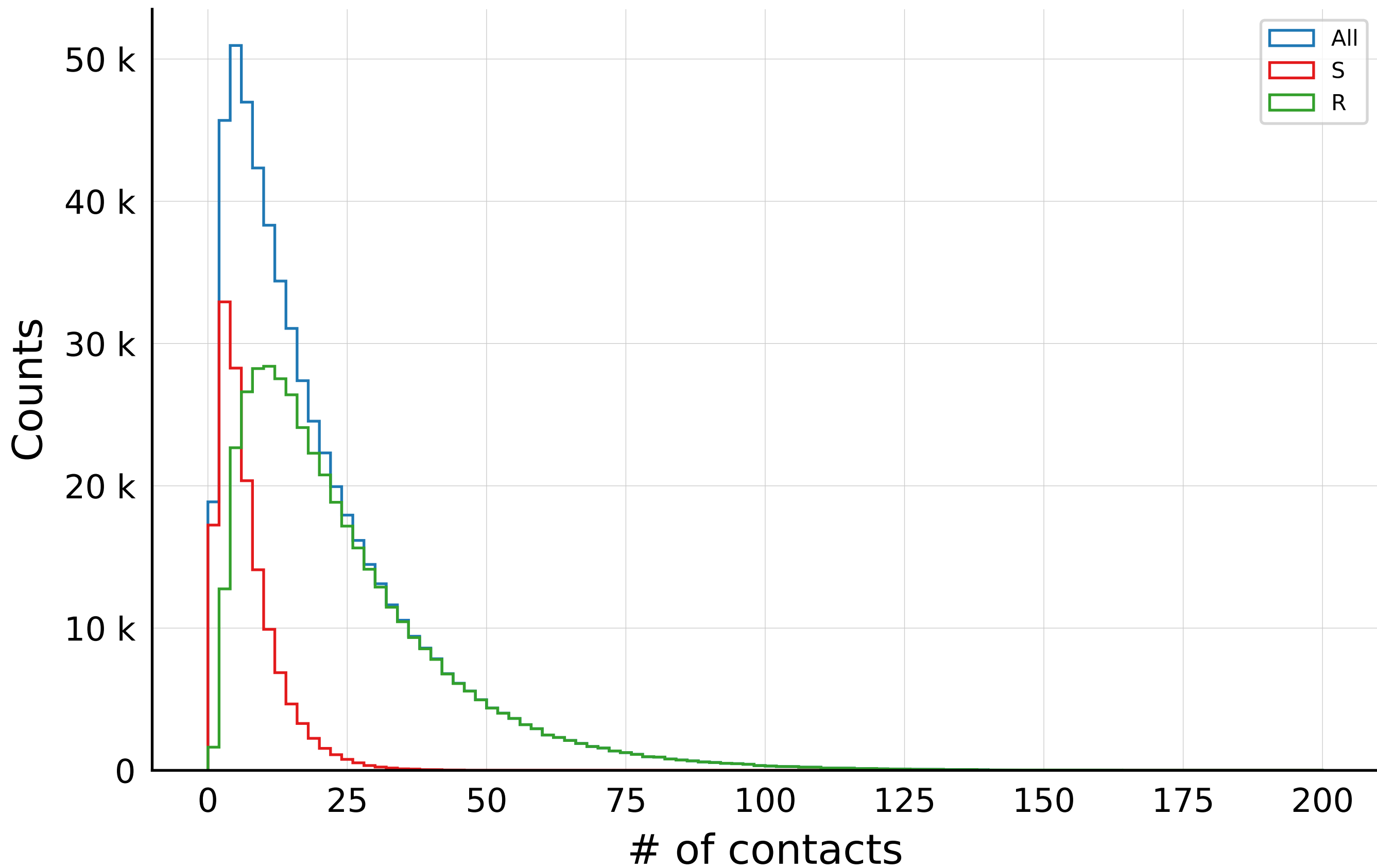
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 20.0$, $\sigma_{\mu} = 1.0$, $\beta = 0.02$, $\sigma_{\beta} = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



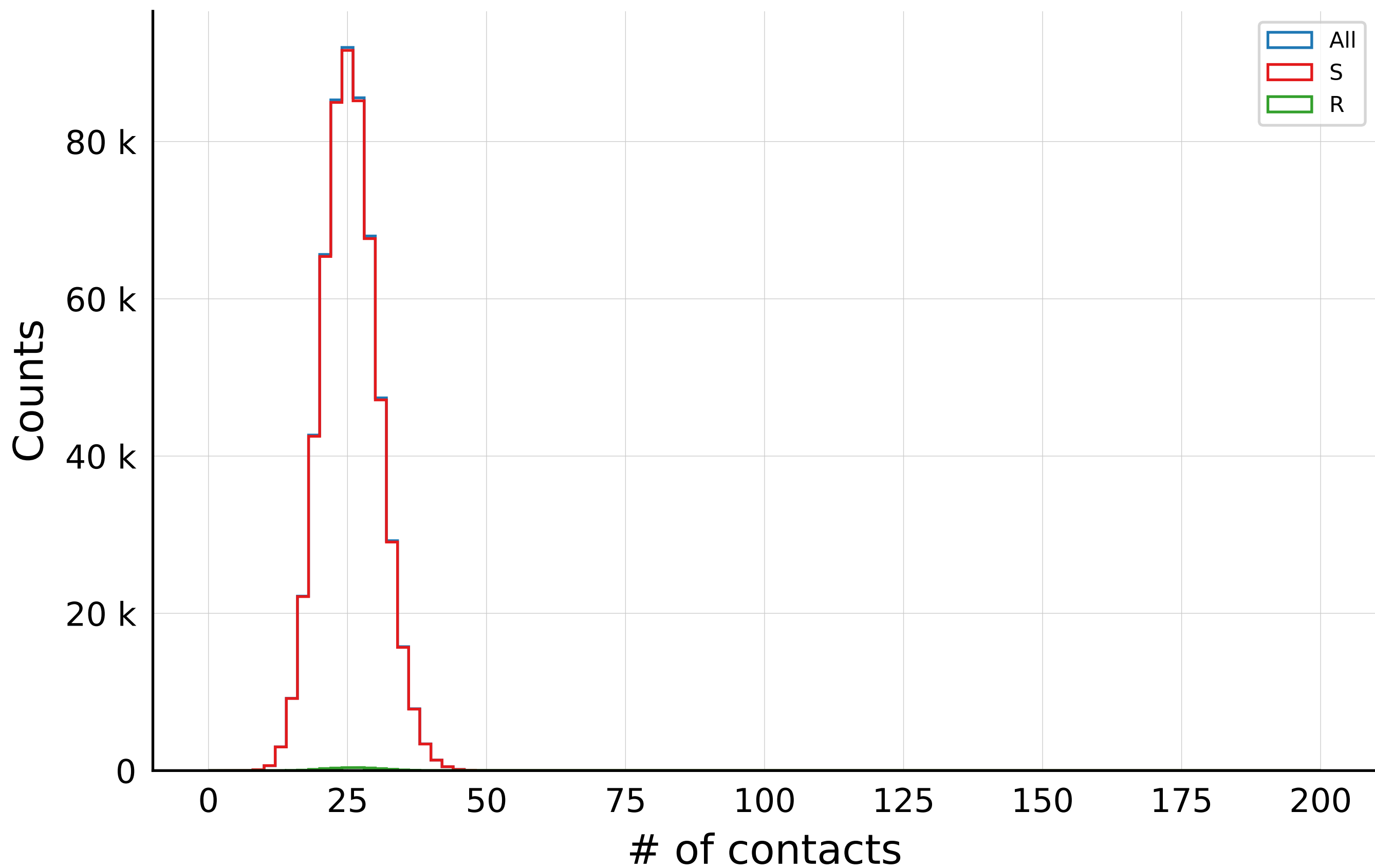
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 20.0$, $\sigma_{\mu} = 1.0$, $\beta = 0.04$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



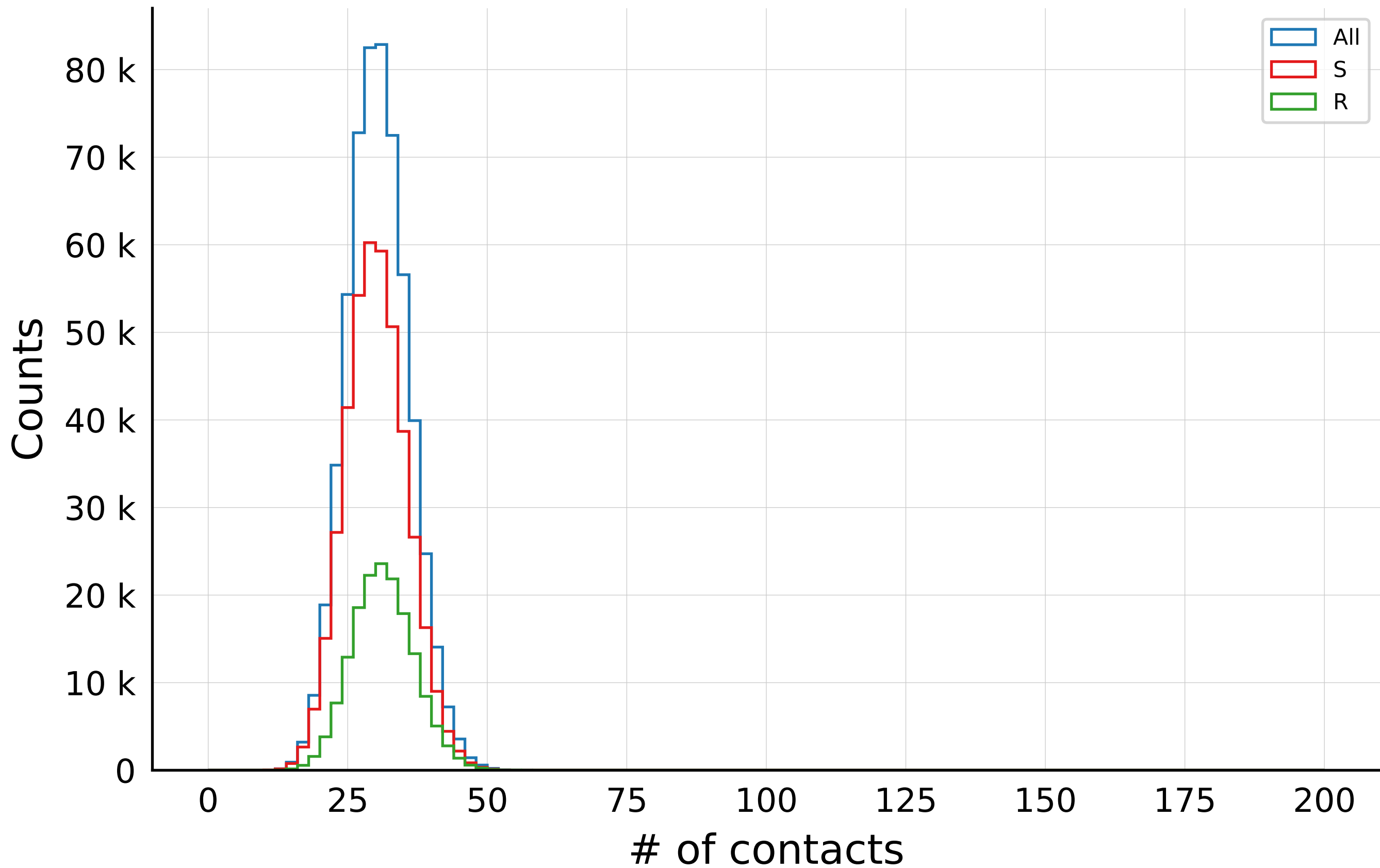
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 20.0$, $\sigma_{\mu} = 1.0$, $\beta = 0.04$, $\sigma_{\beta} = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



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

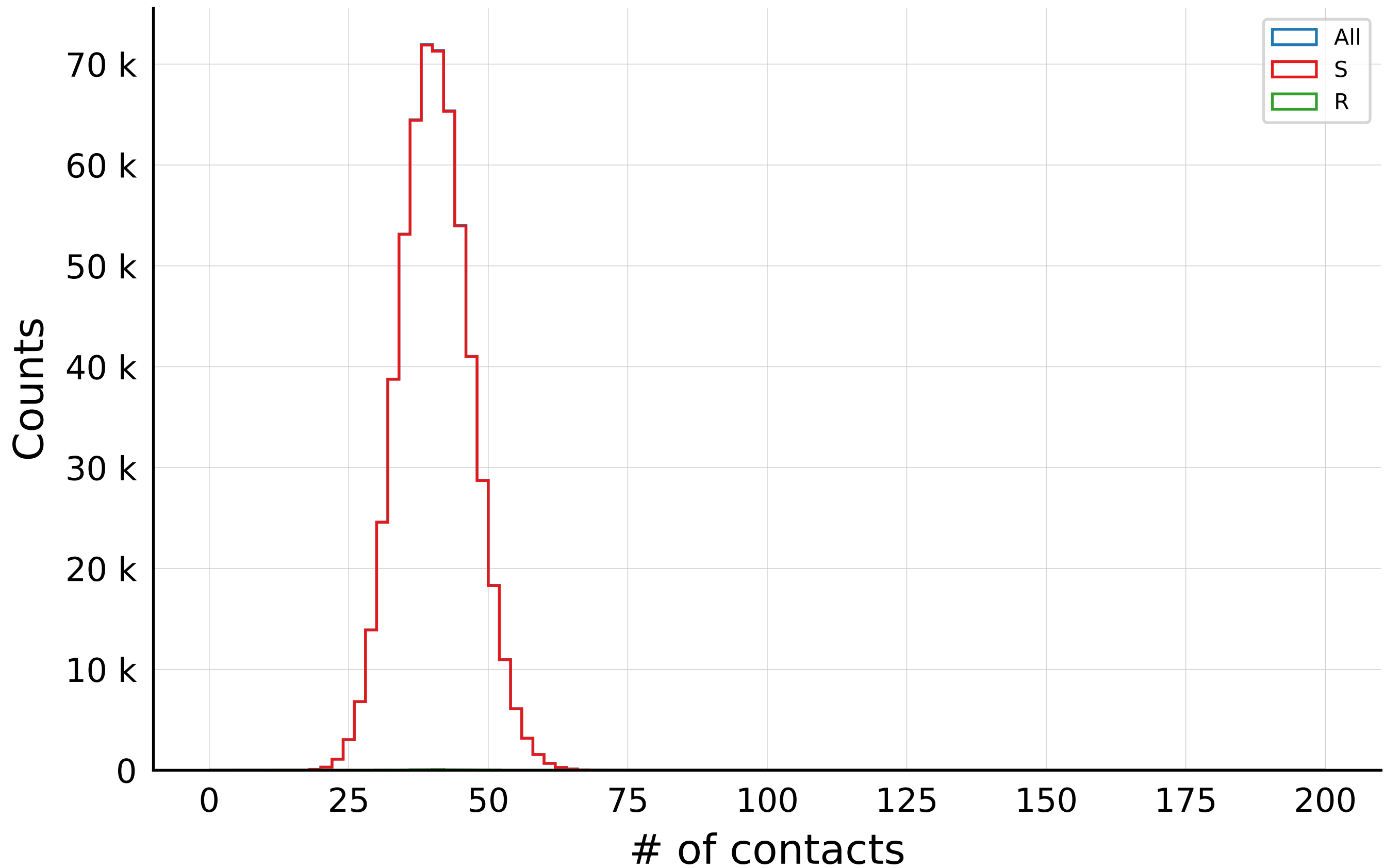


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 30.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$

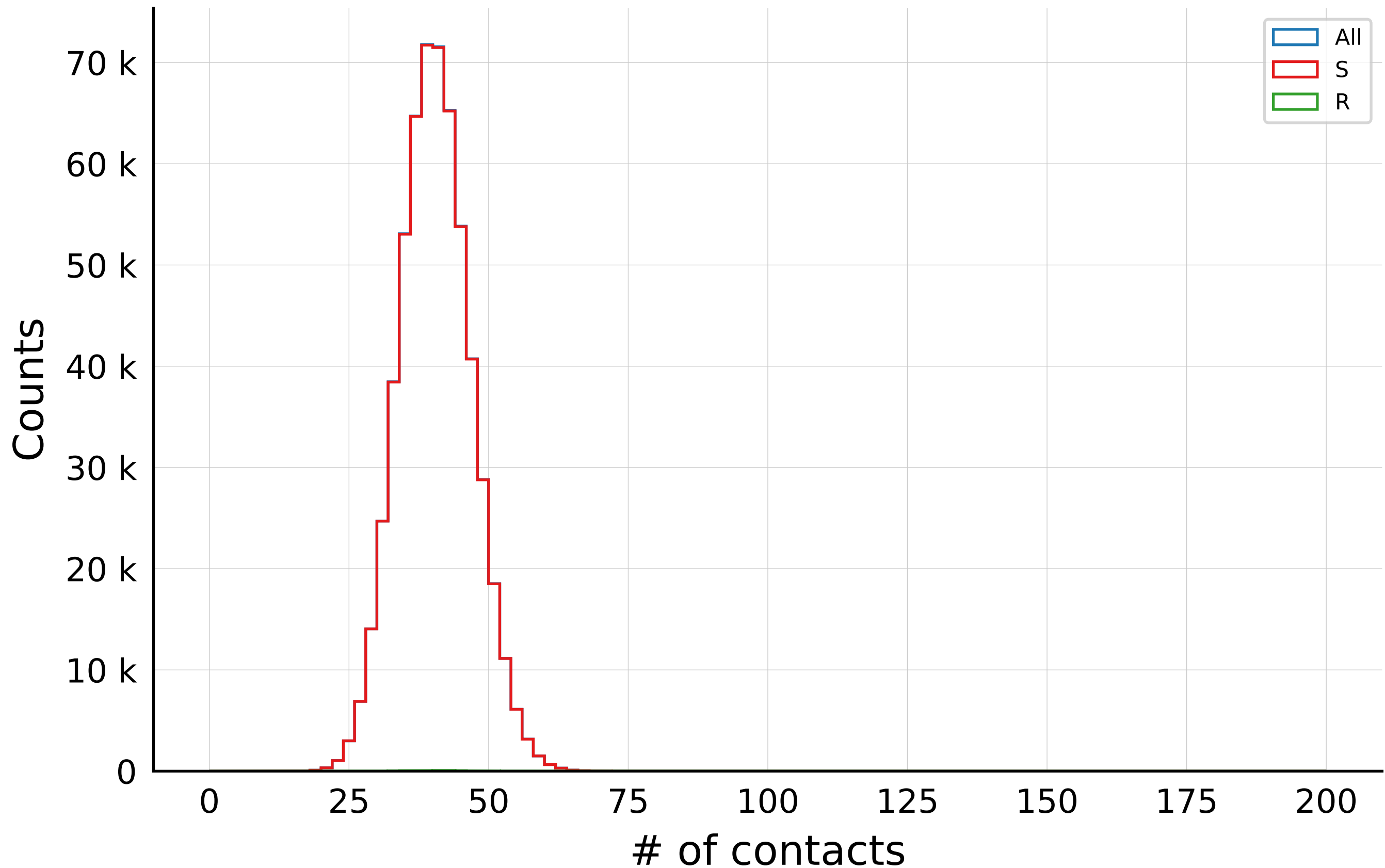


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.005$, $\sigma_{\beta} = 0.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$

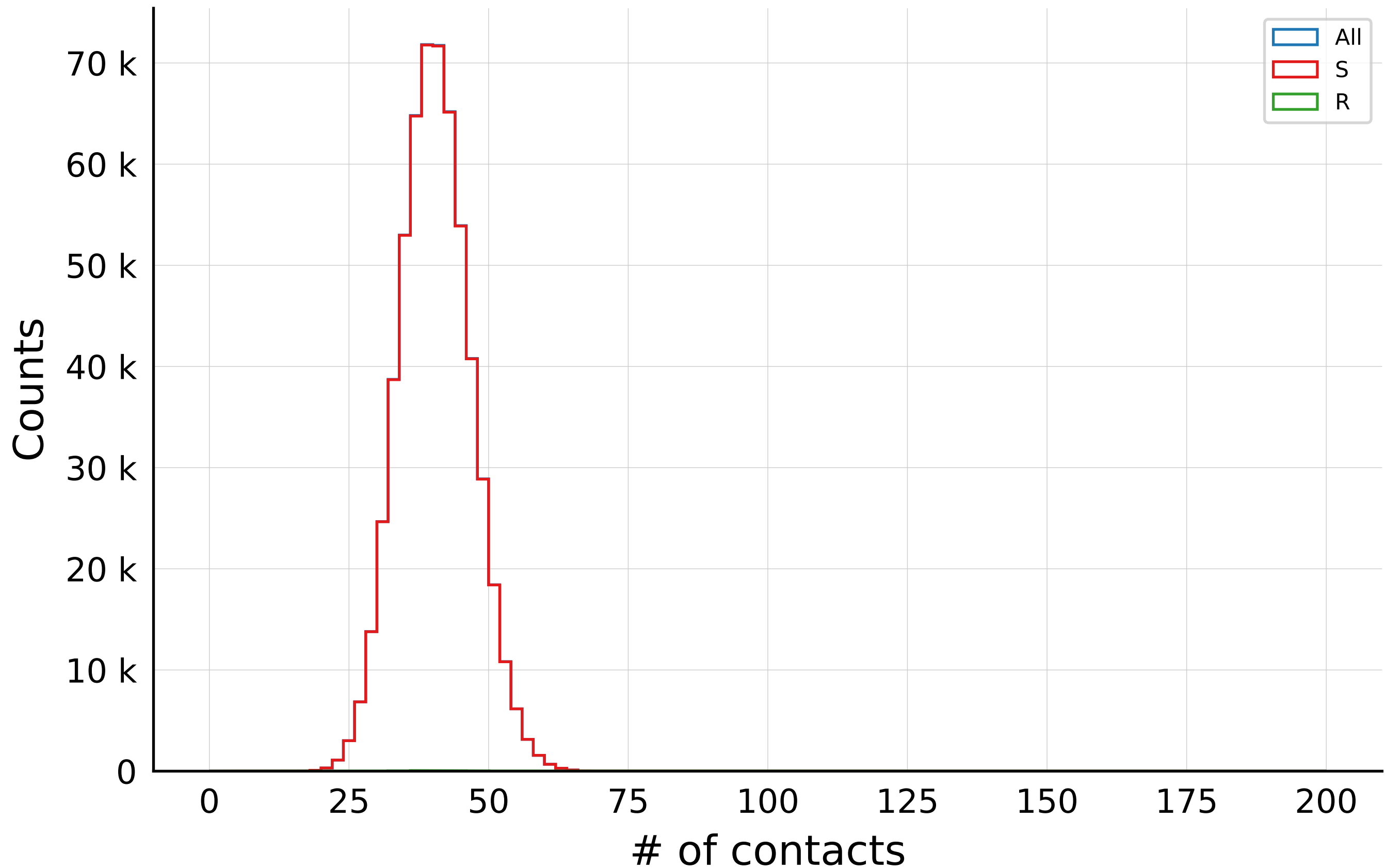


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.005, \sigma_{\beta} = 0.5$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

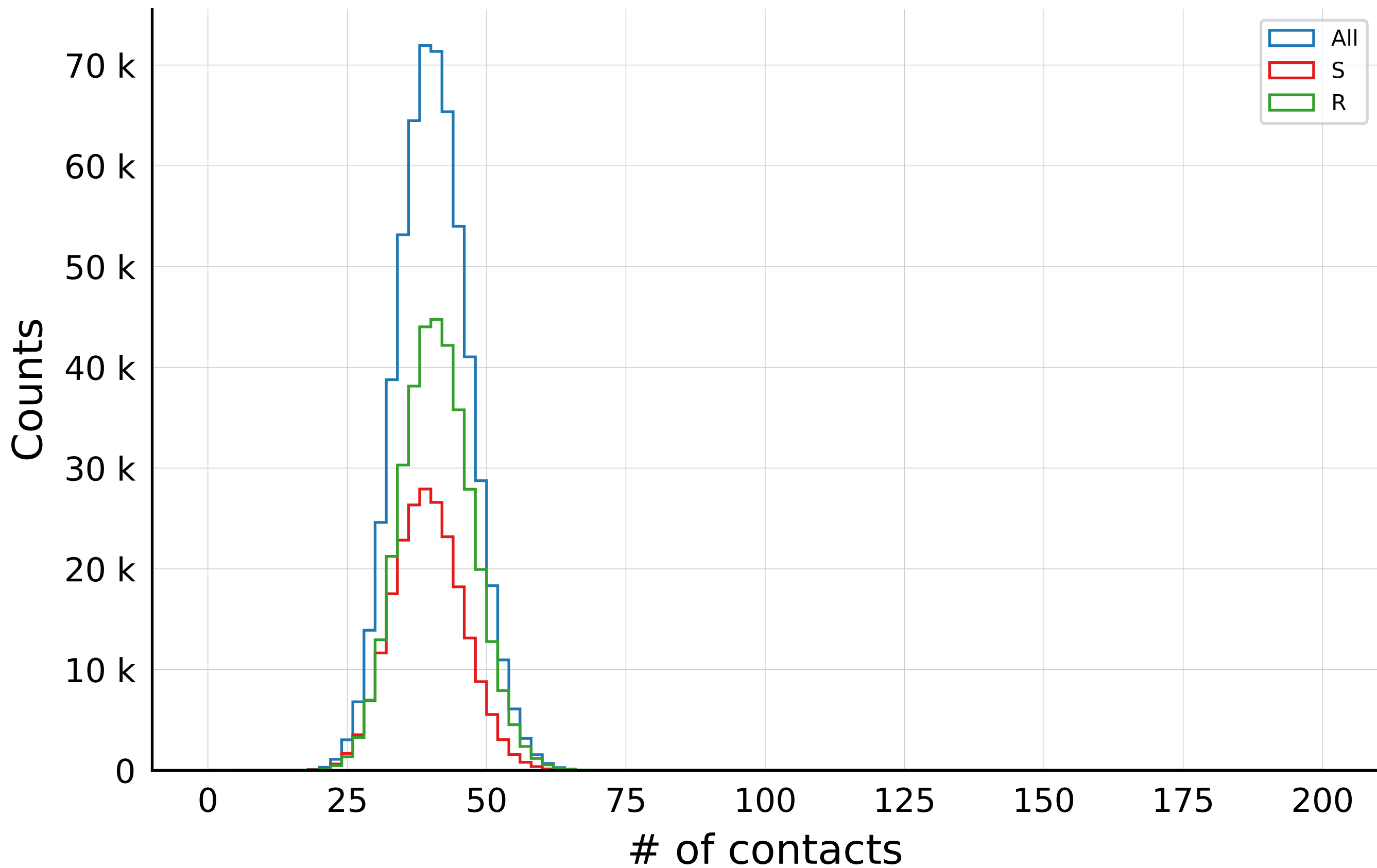


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.005$, $\sigma_{\beta} = 1.0$

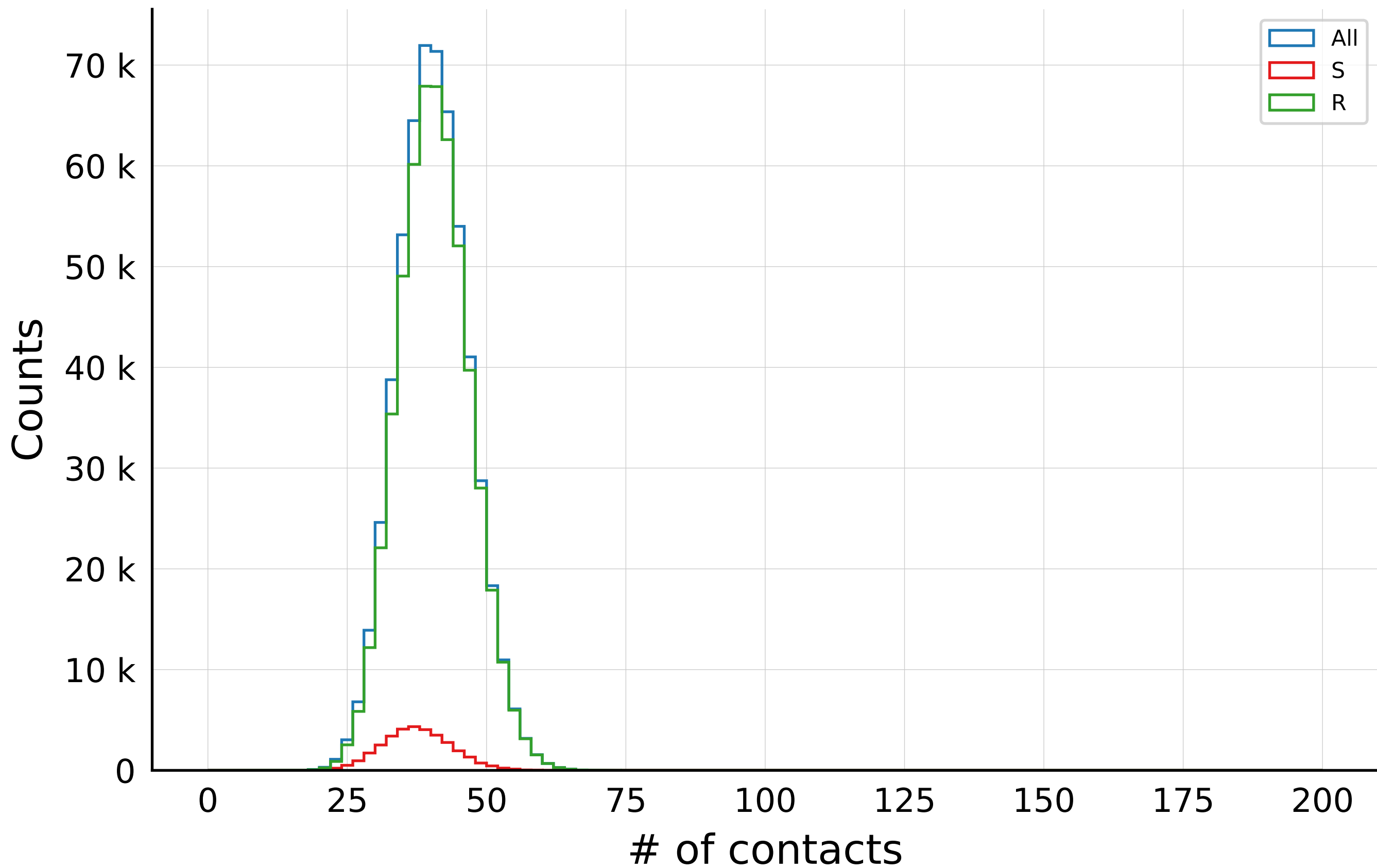
$\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



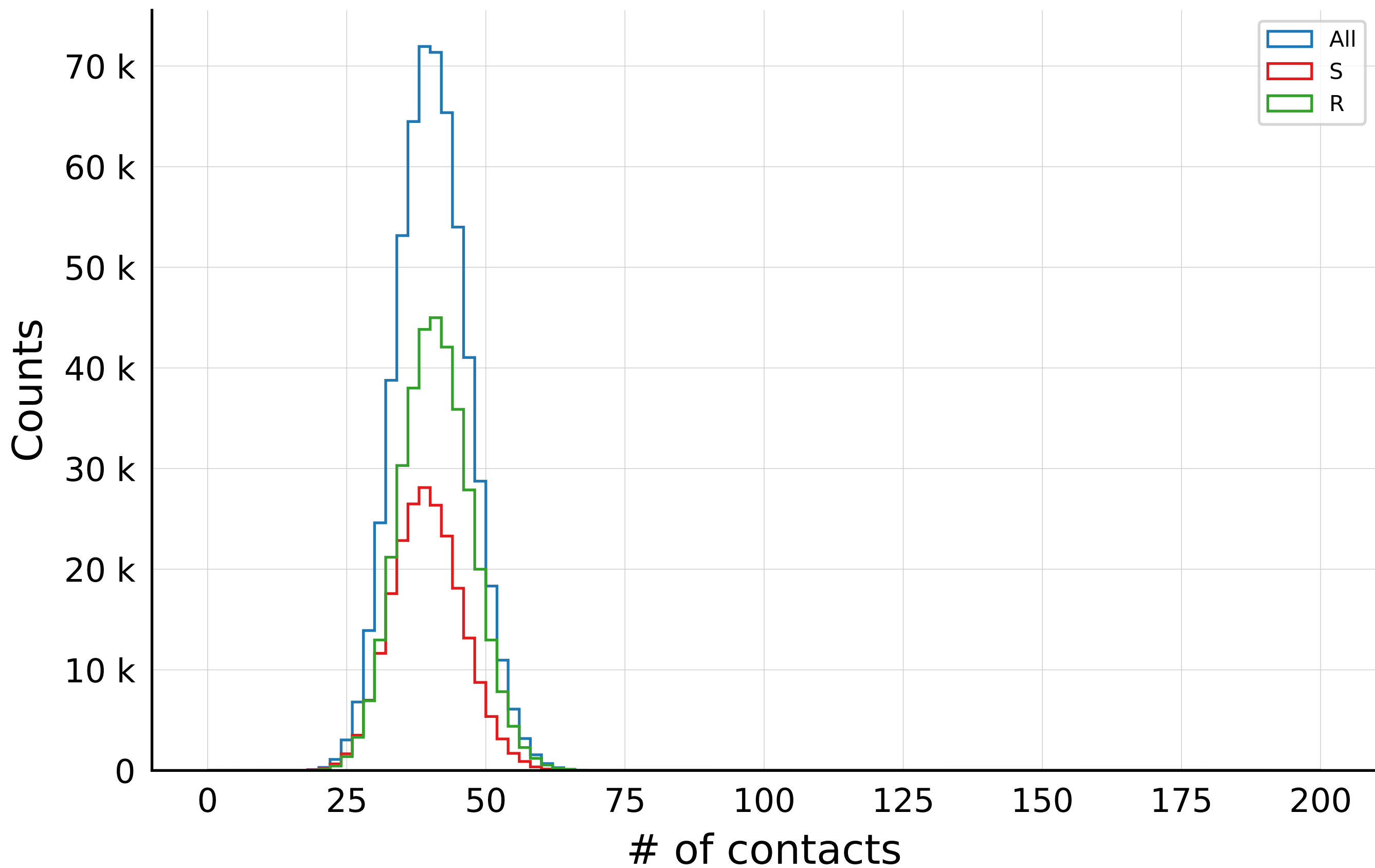
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 0.5$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



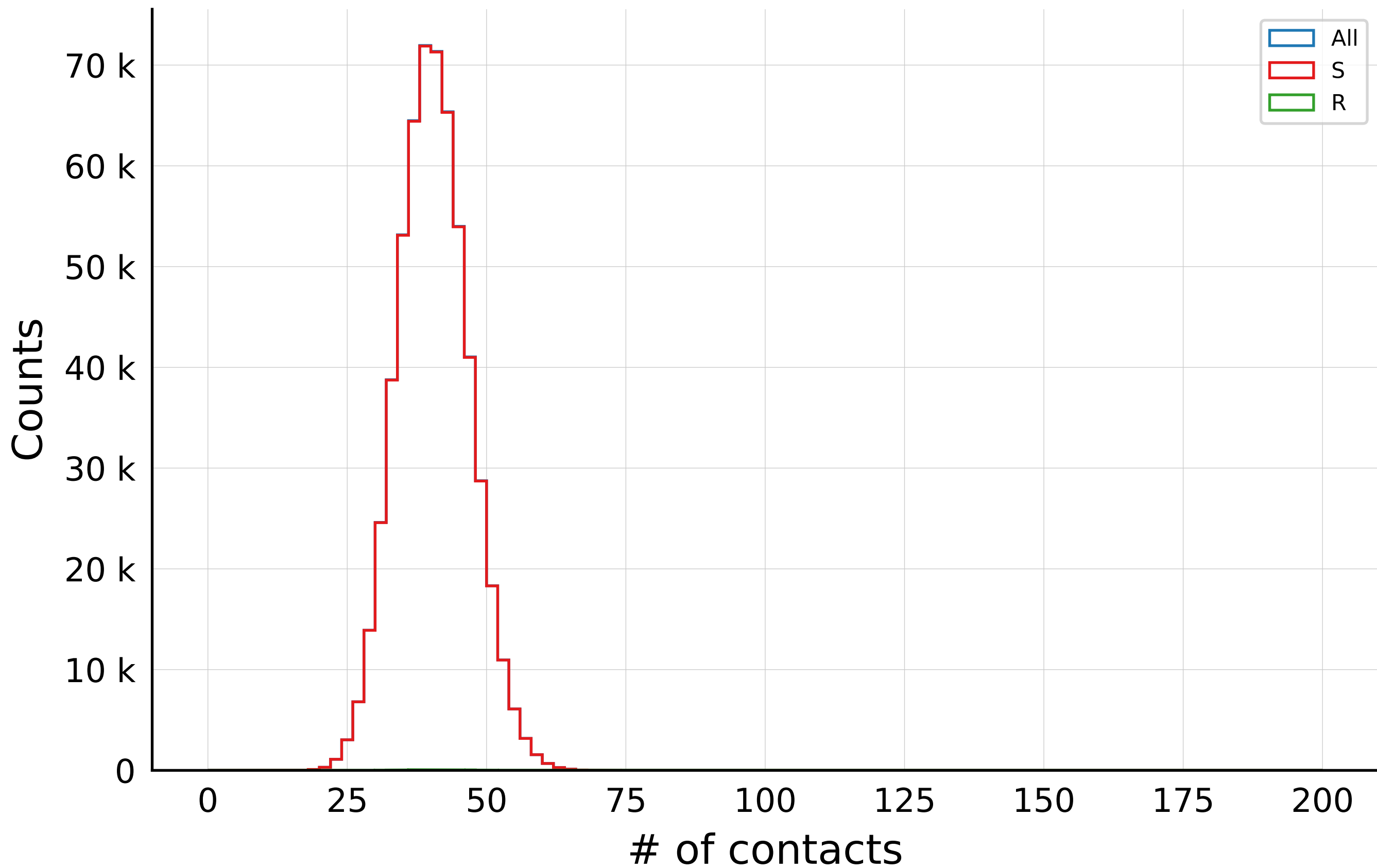
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 0.5, \text{algo} = 2, ID = 0$$



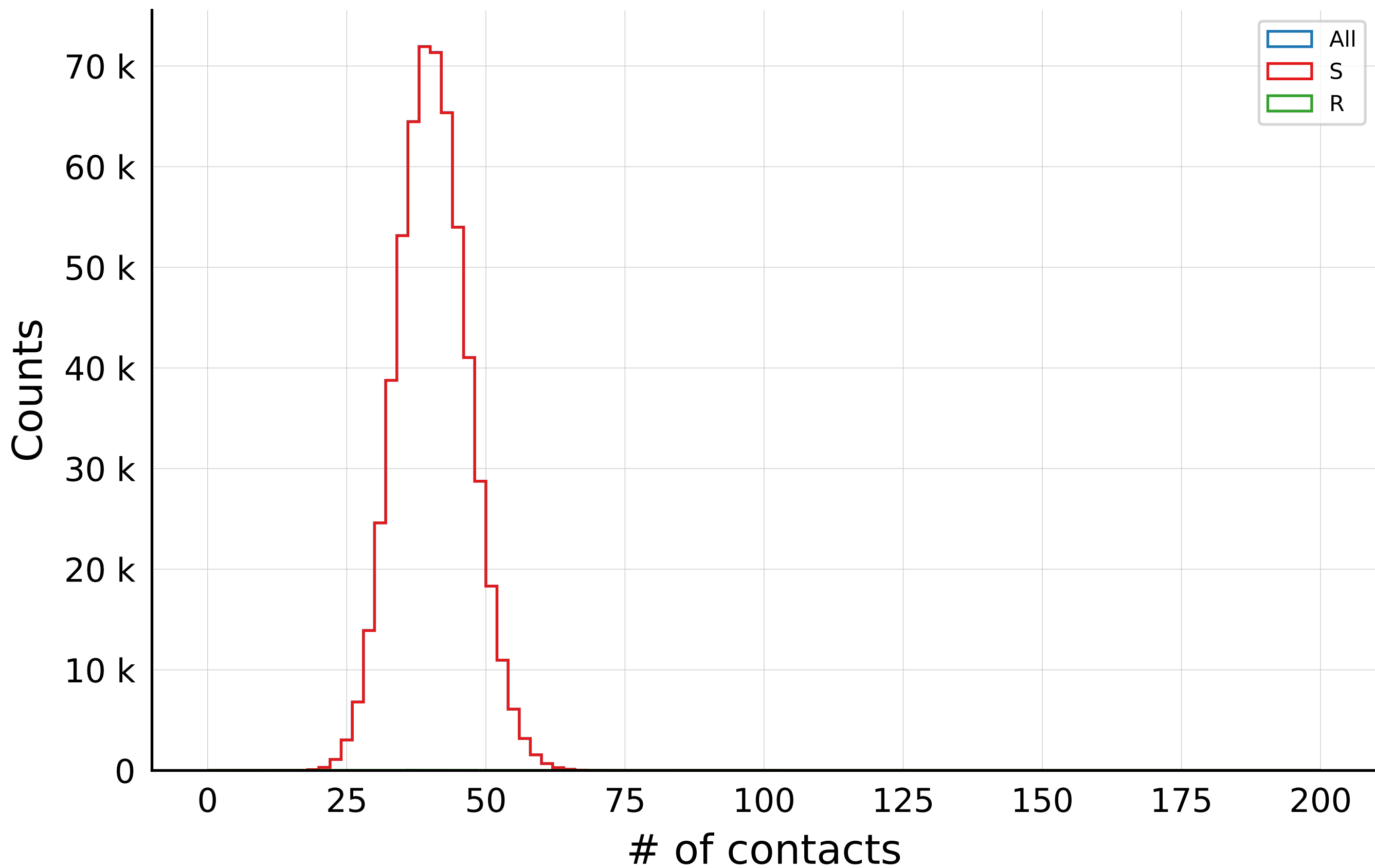
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



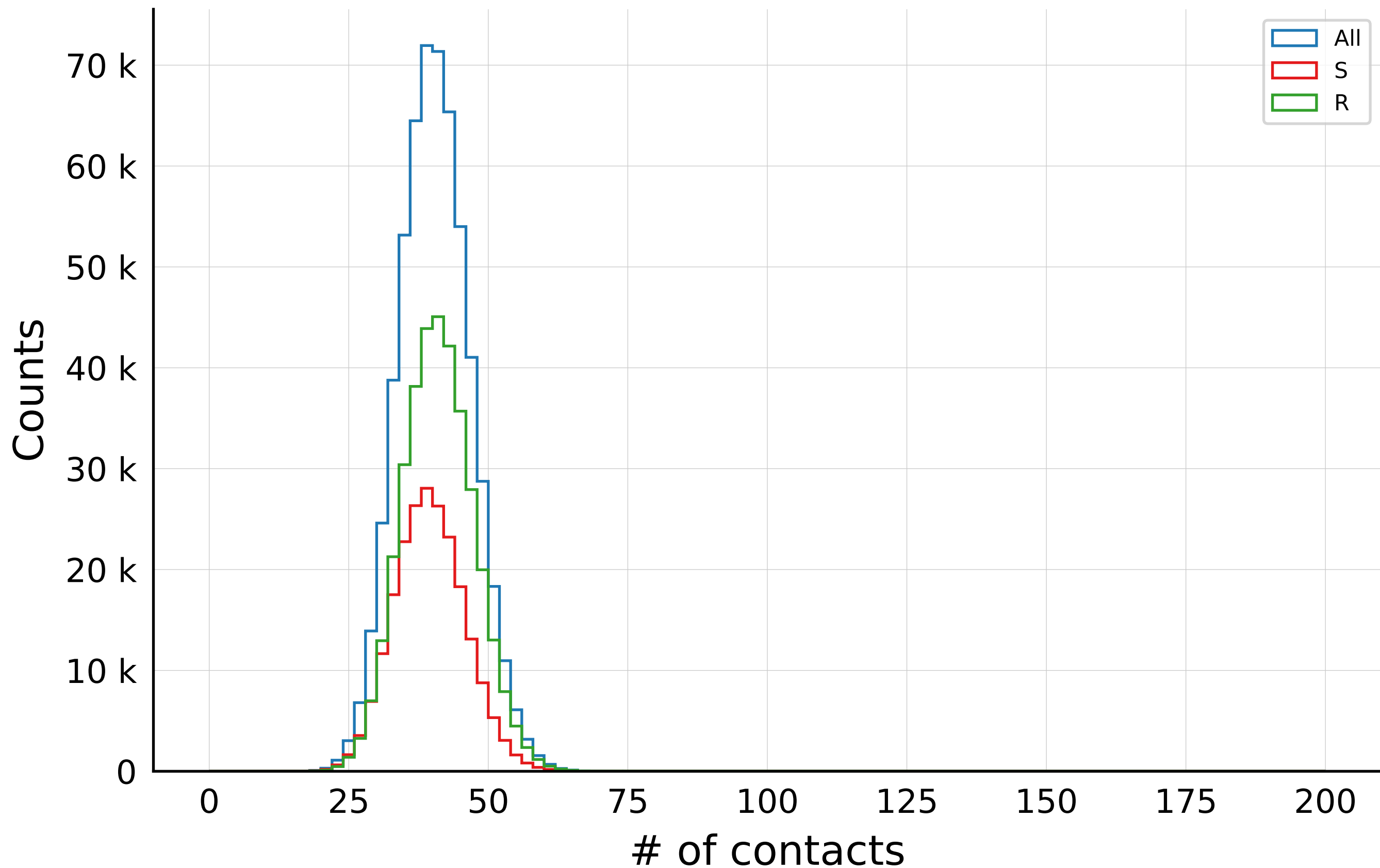
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 2.0$, algo = 2, $ID = 0$



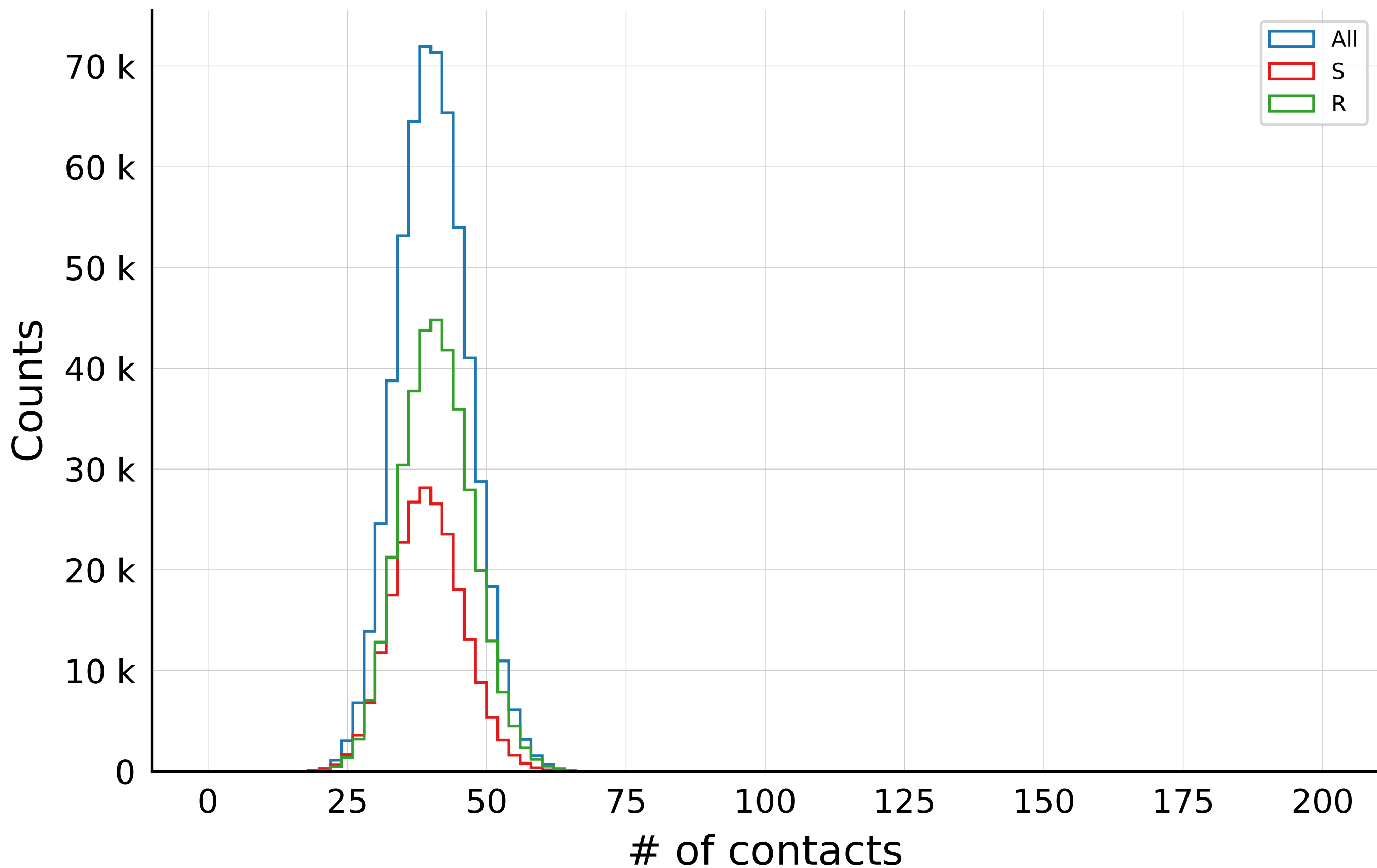
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 4.0$, algo = 2, $ID = 0$



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

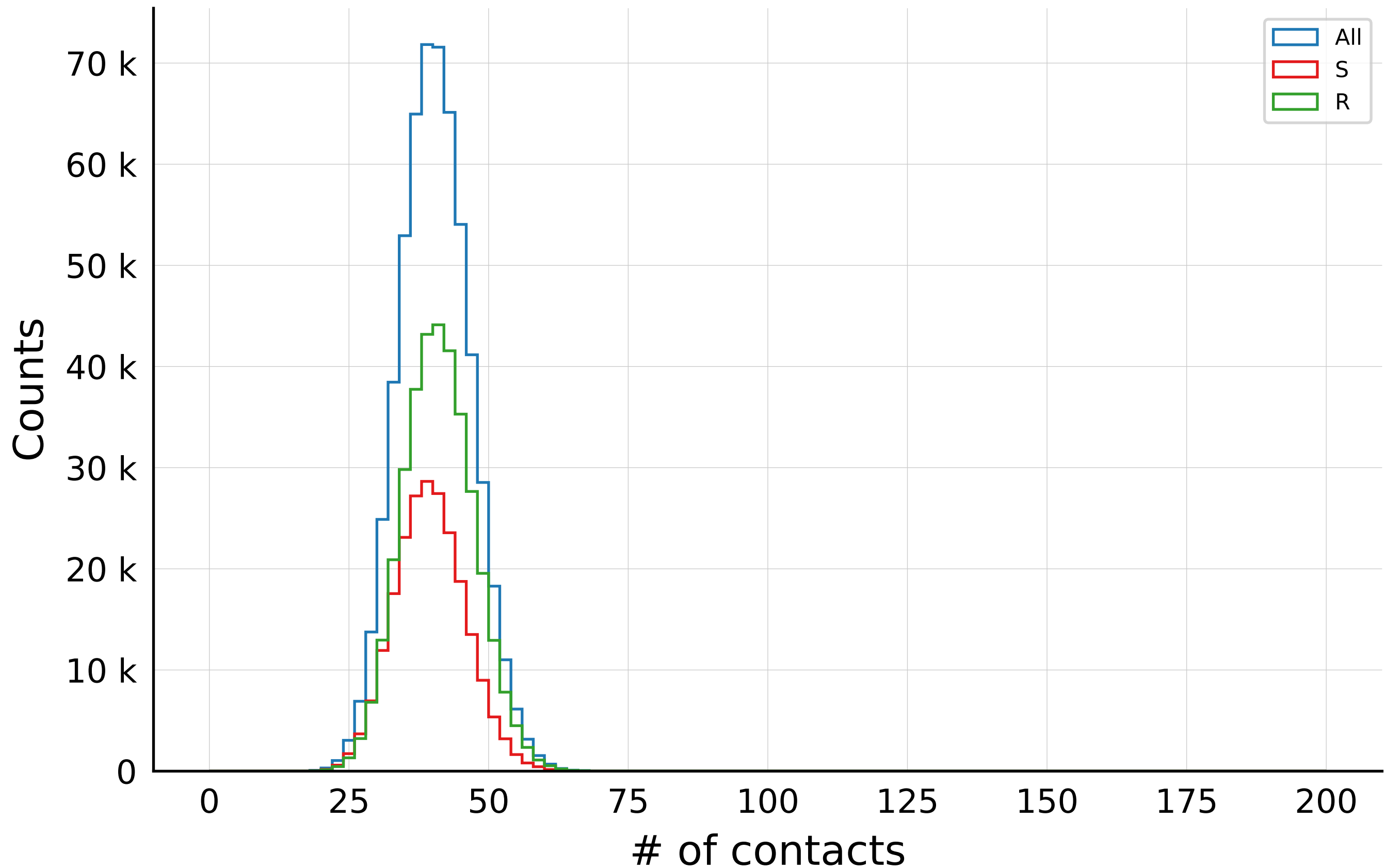


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 4.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$

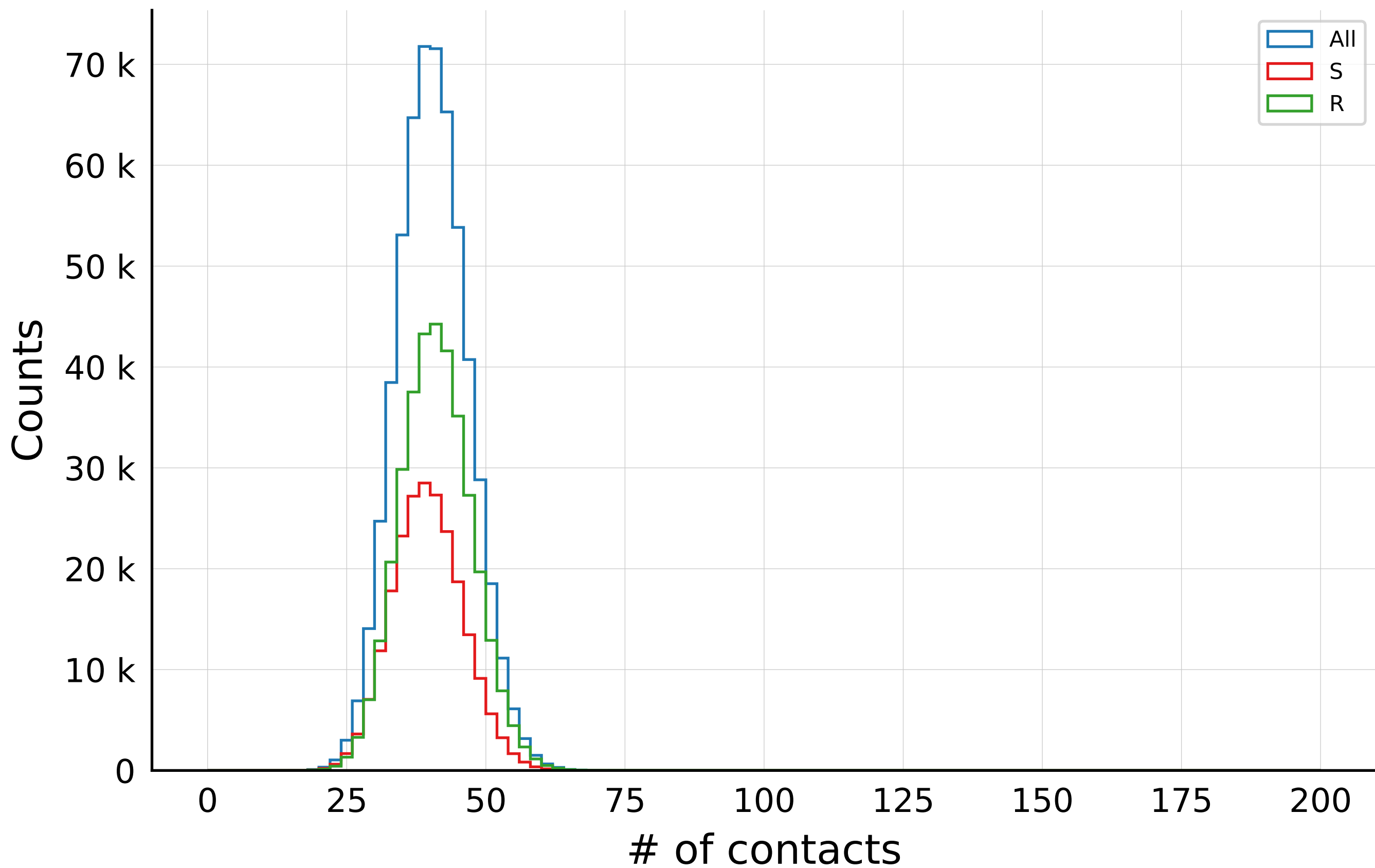


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.25$$

$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

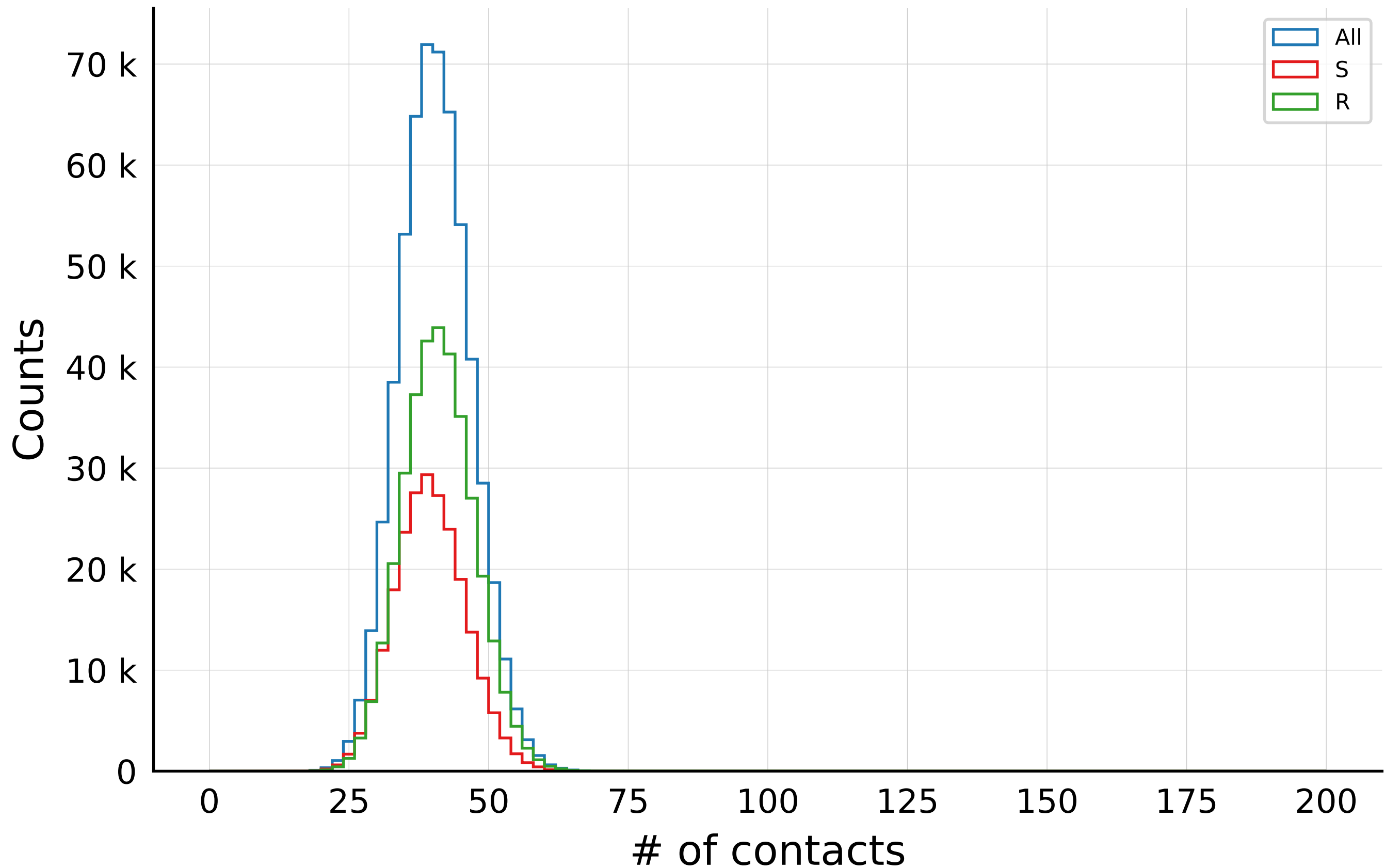


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.5$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

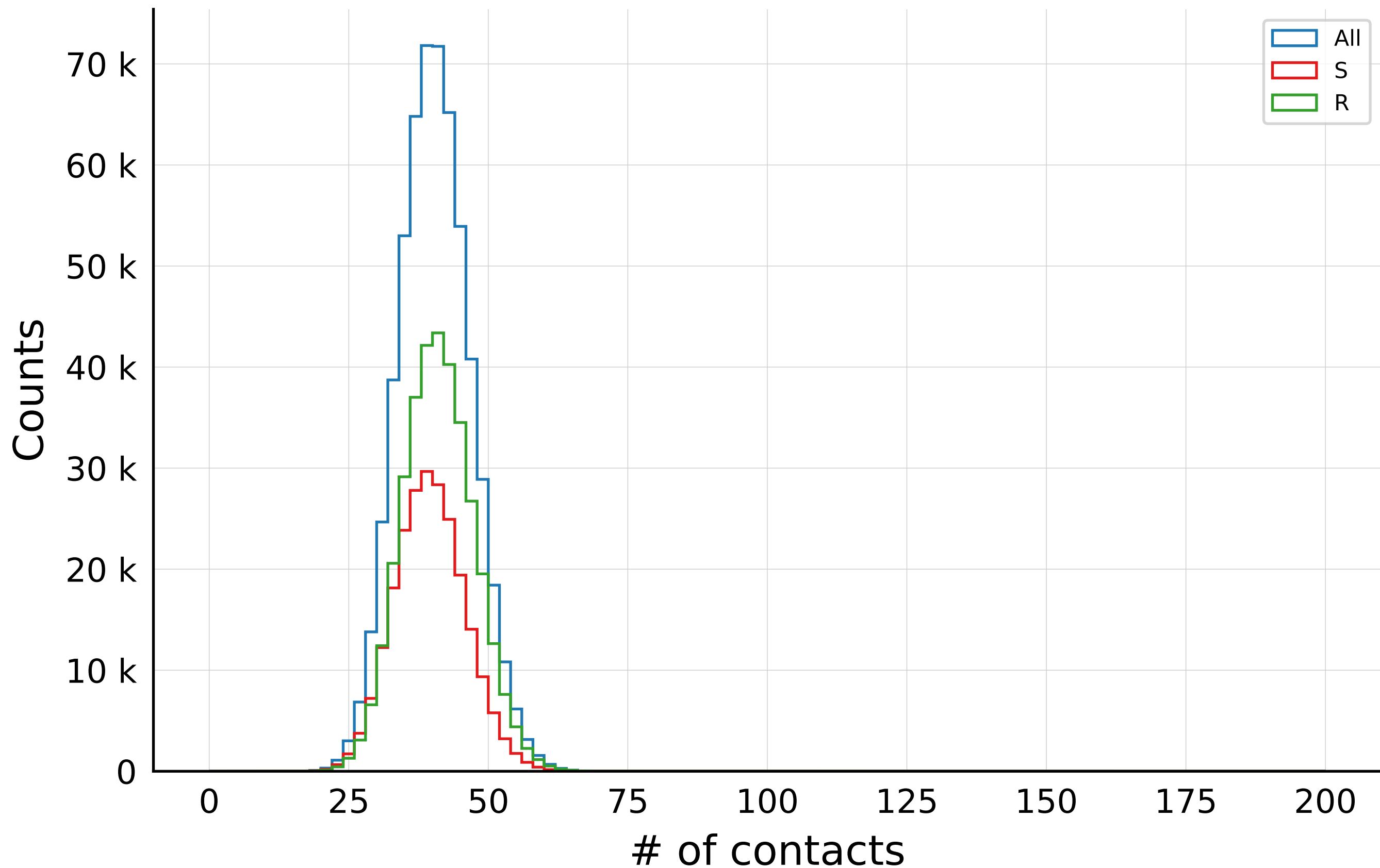


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.75$

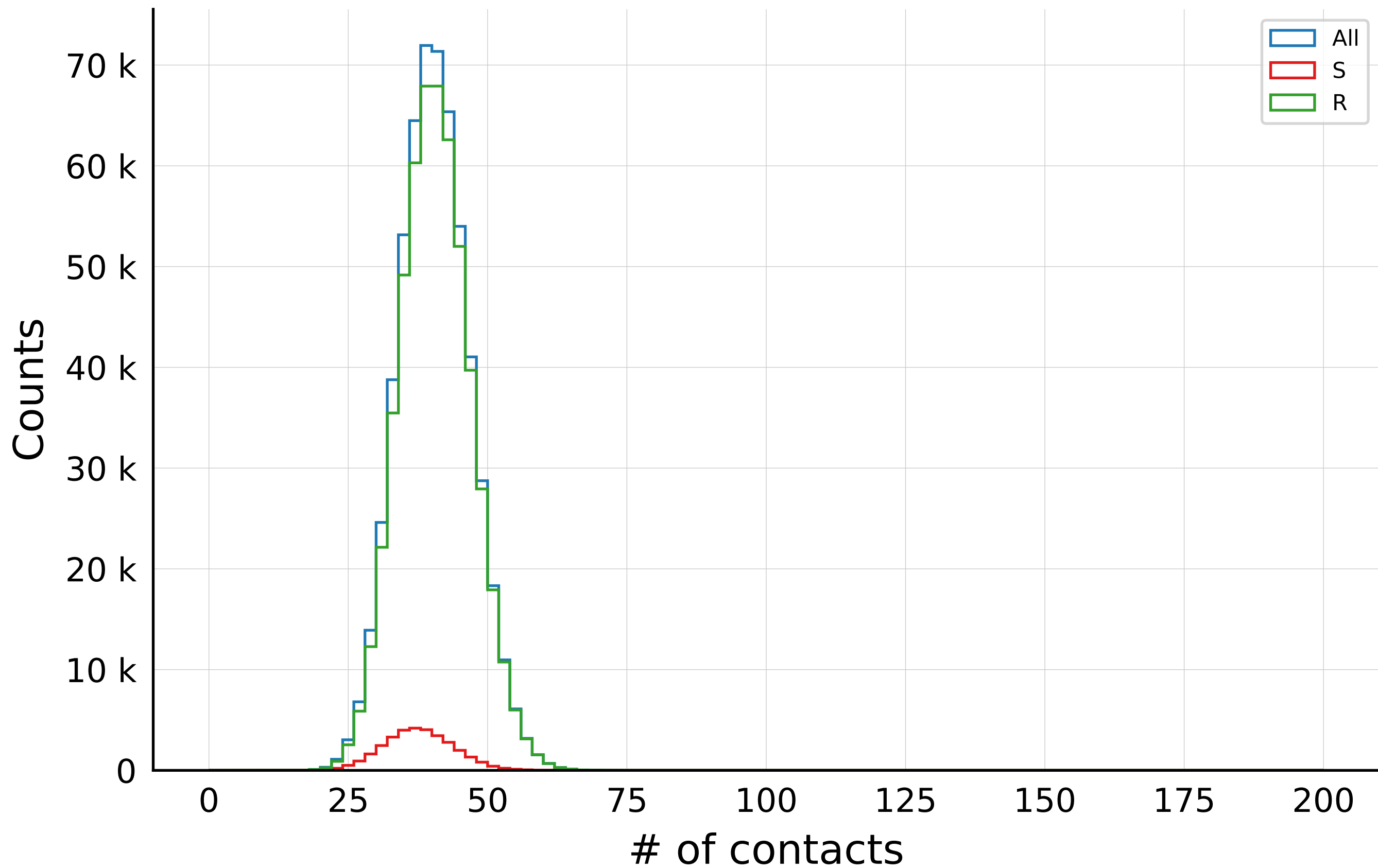
$\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



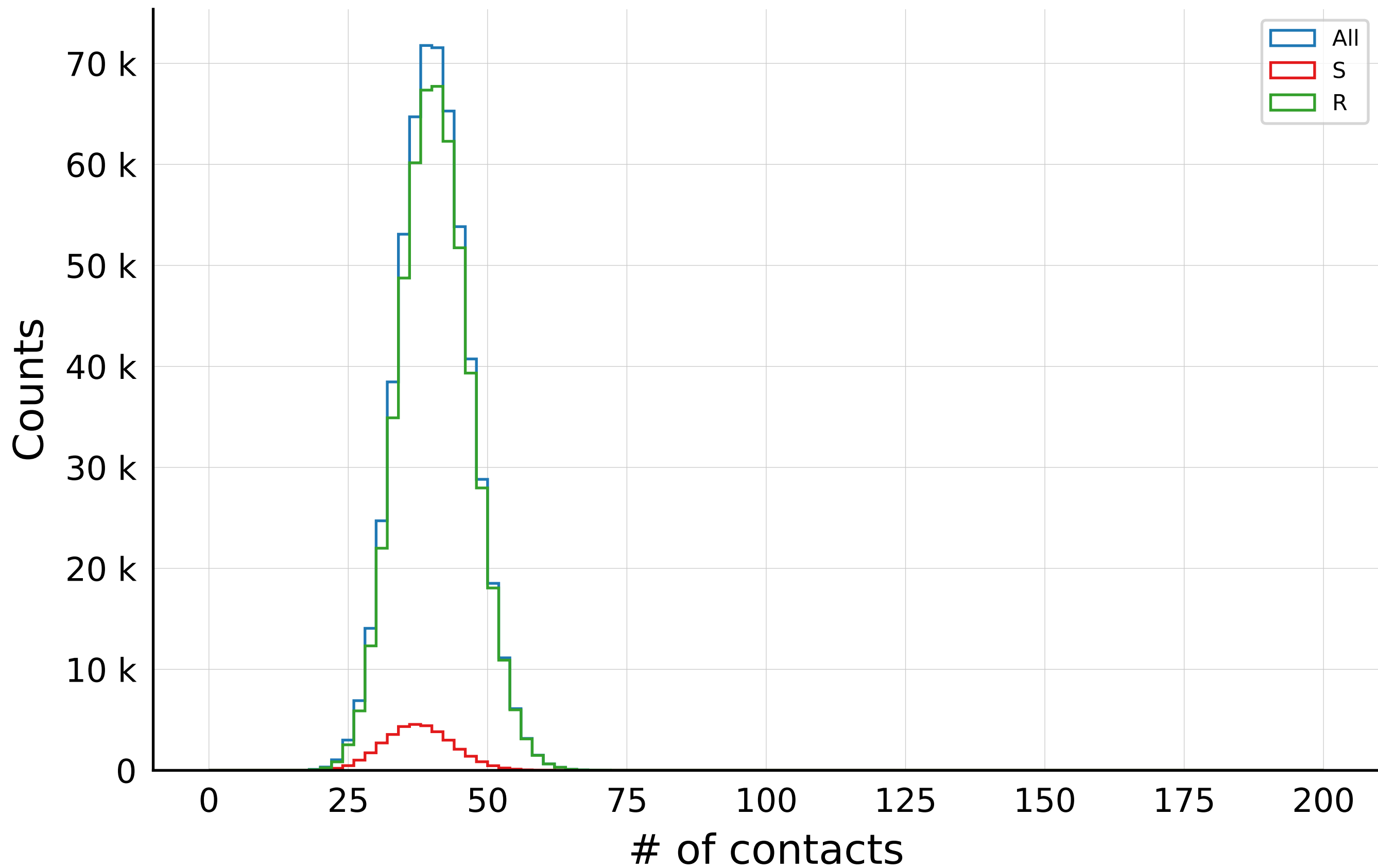
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



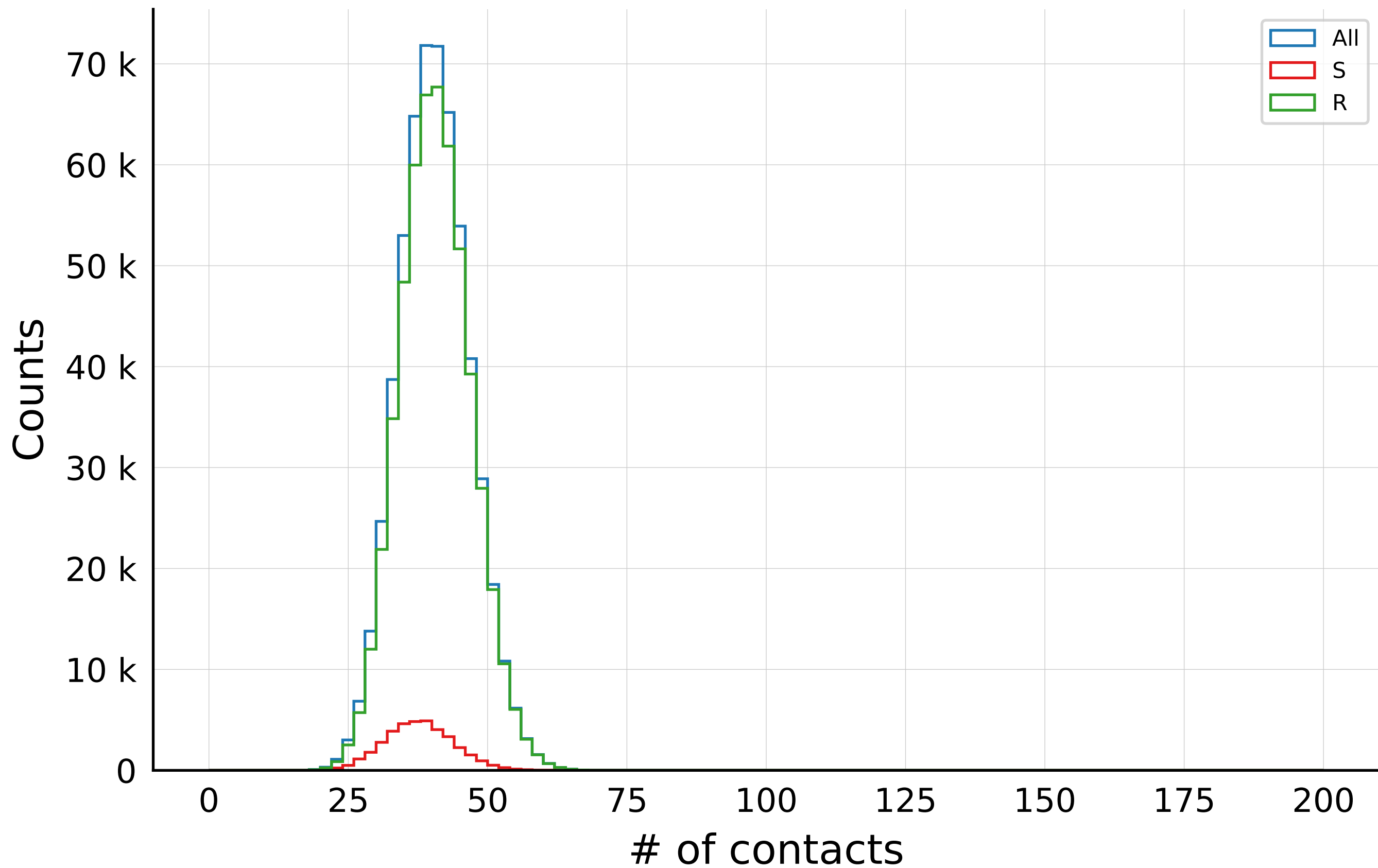
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.02$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



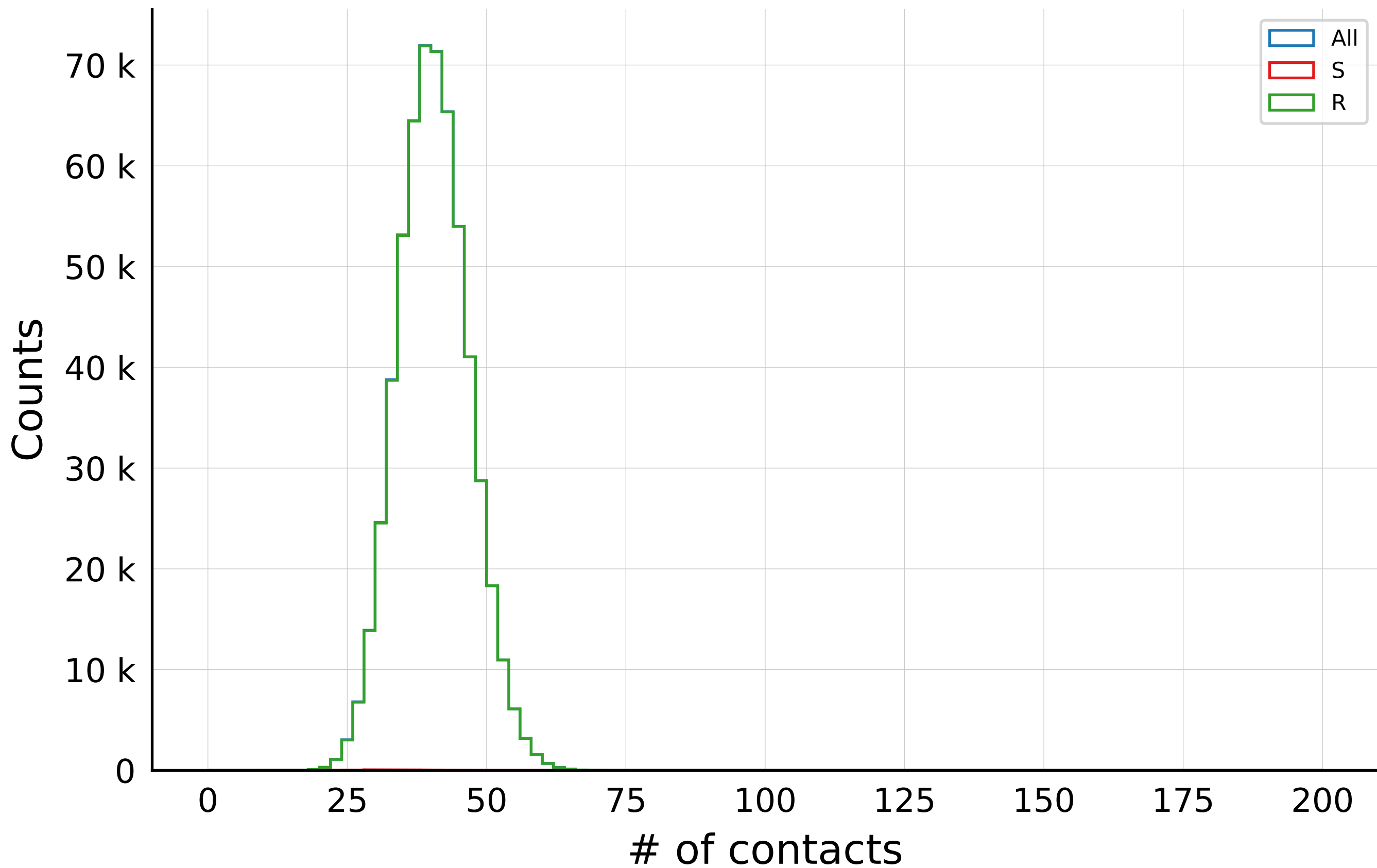
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.02$, $\sigma_{\beta} = 0.5$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



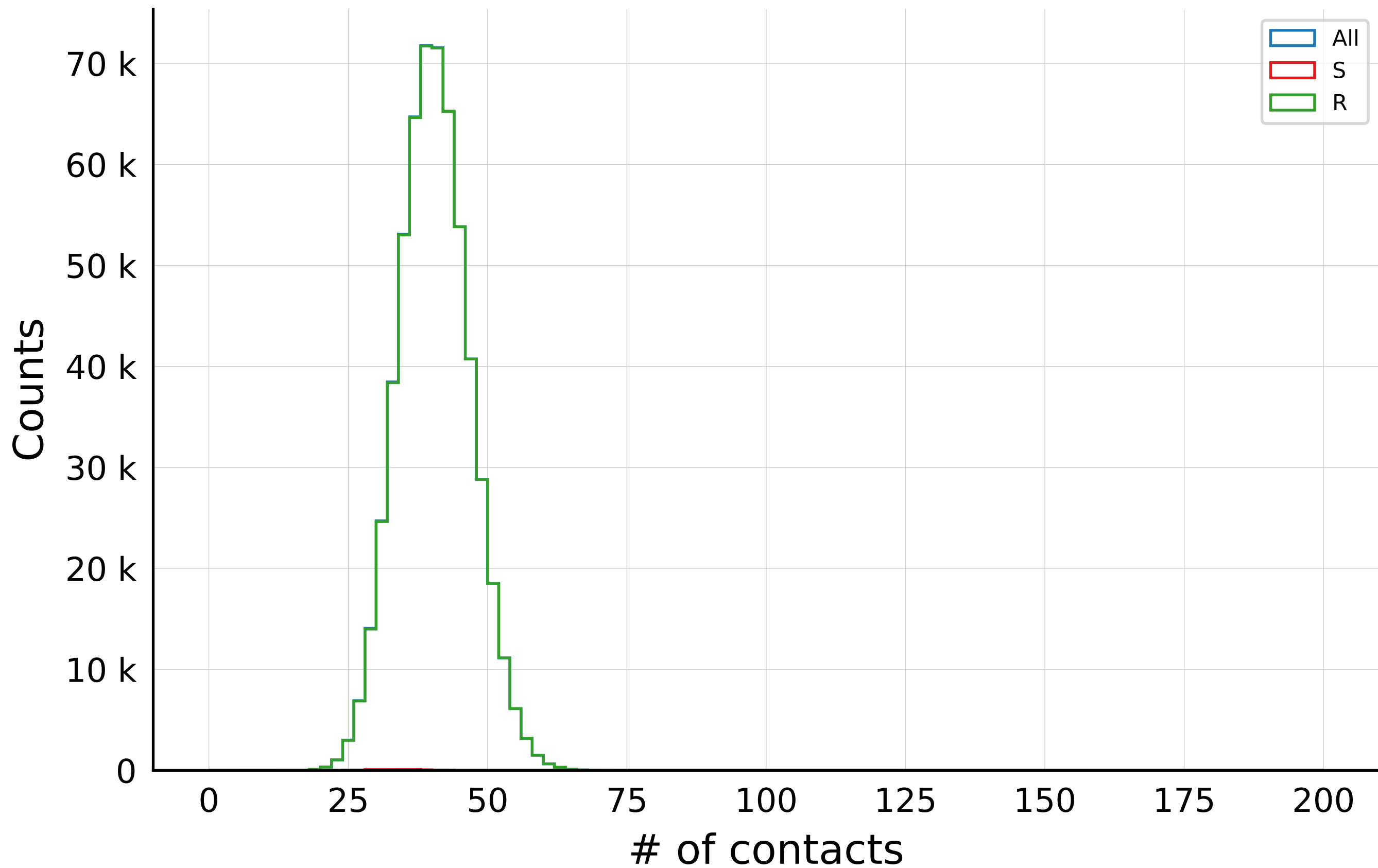
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.02$, $\sigma_{\beta} = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



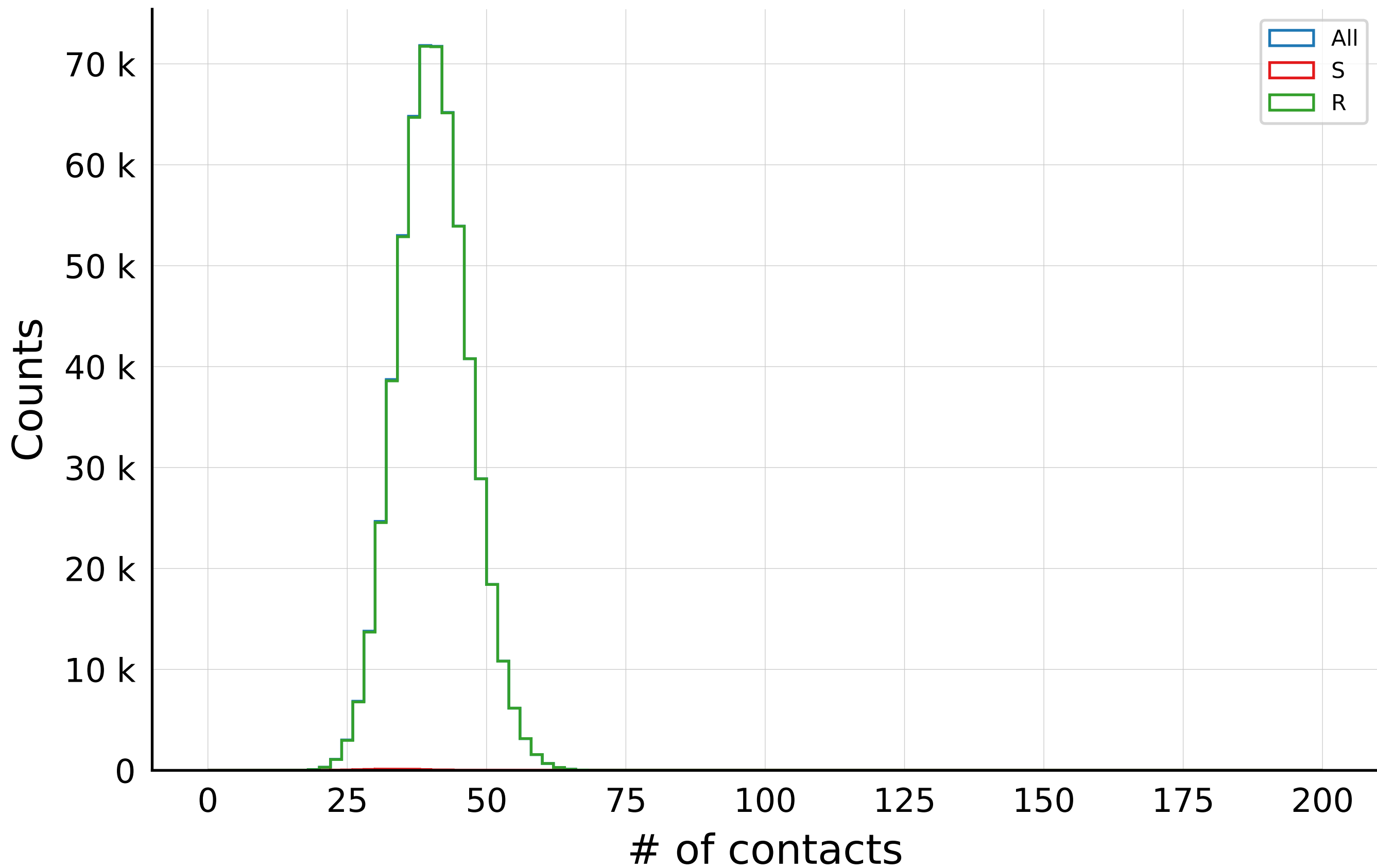
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.05$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.05$, $\sigma_{\beta} = 0.5$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$

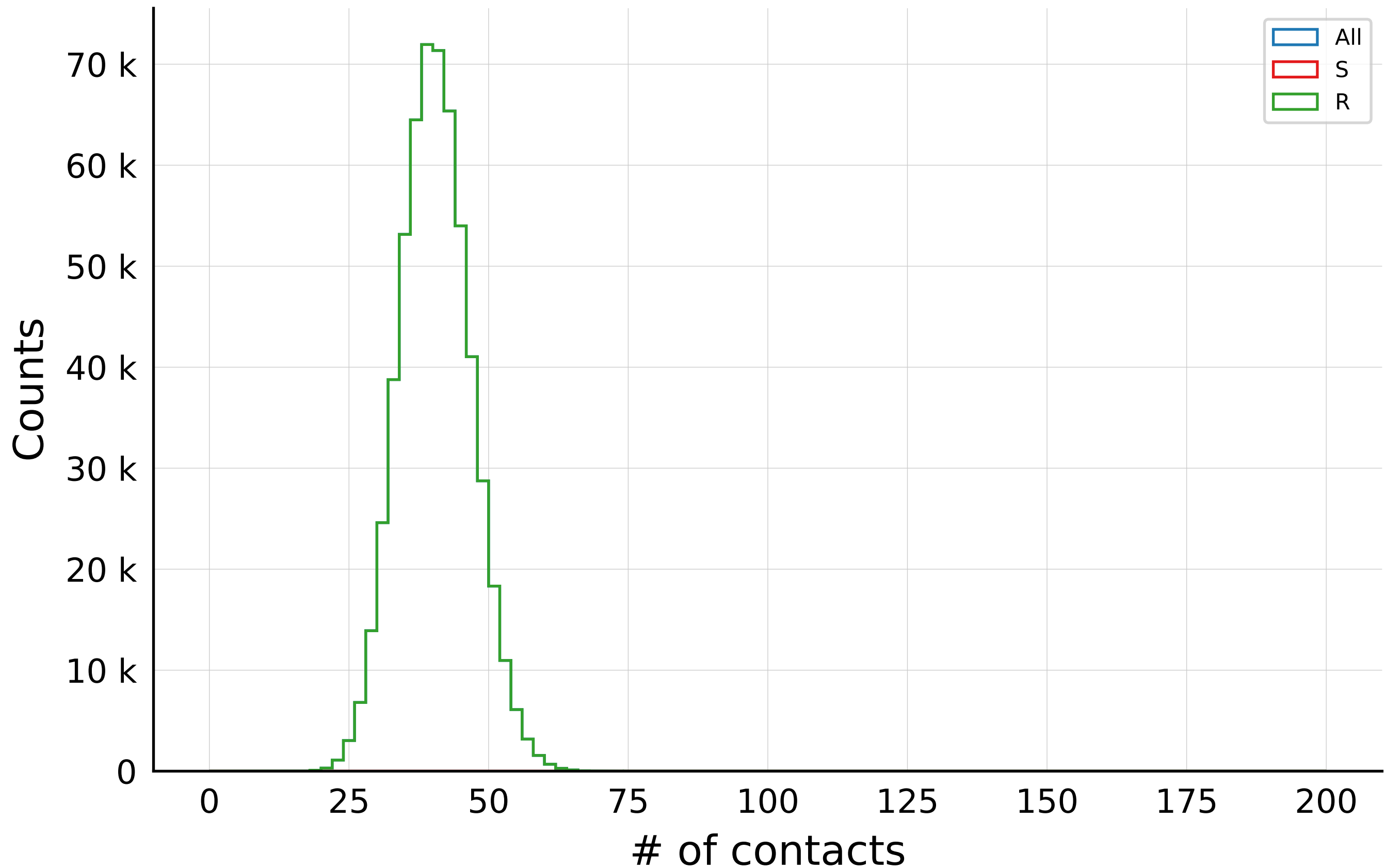


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.05$, $\sigma_{\beta} = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



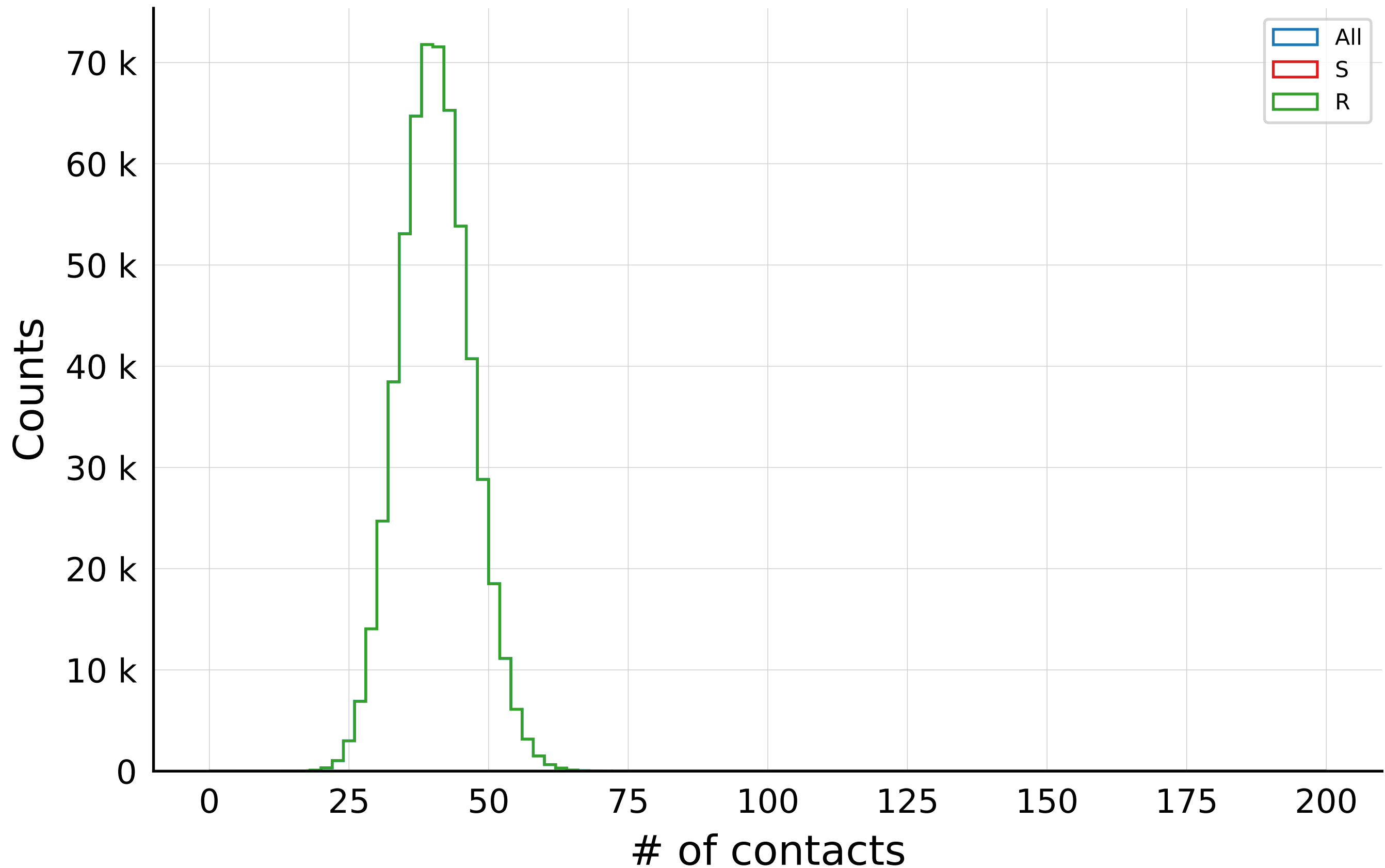
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.075$, $\sigma_{\beta} = 0.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$

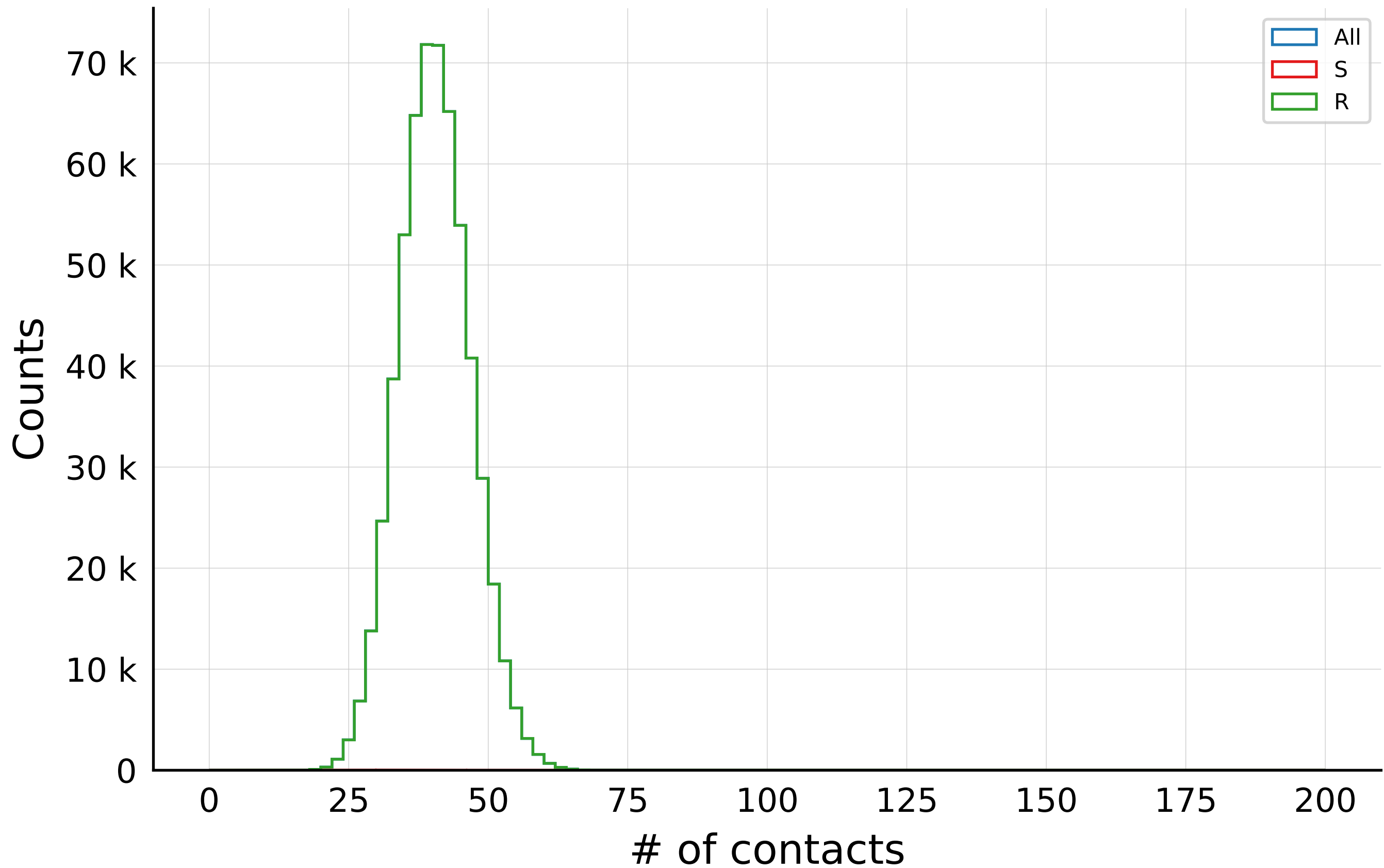


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.075$, $\sigma_{\beta} = 0.5$

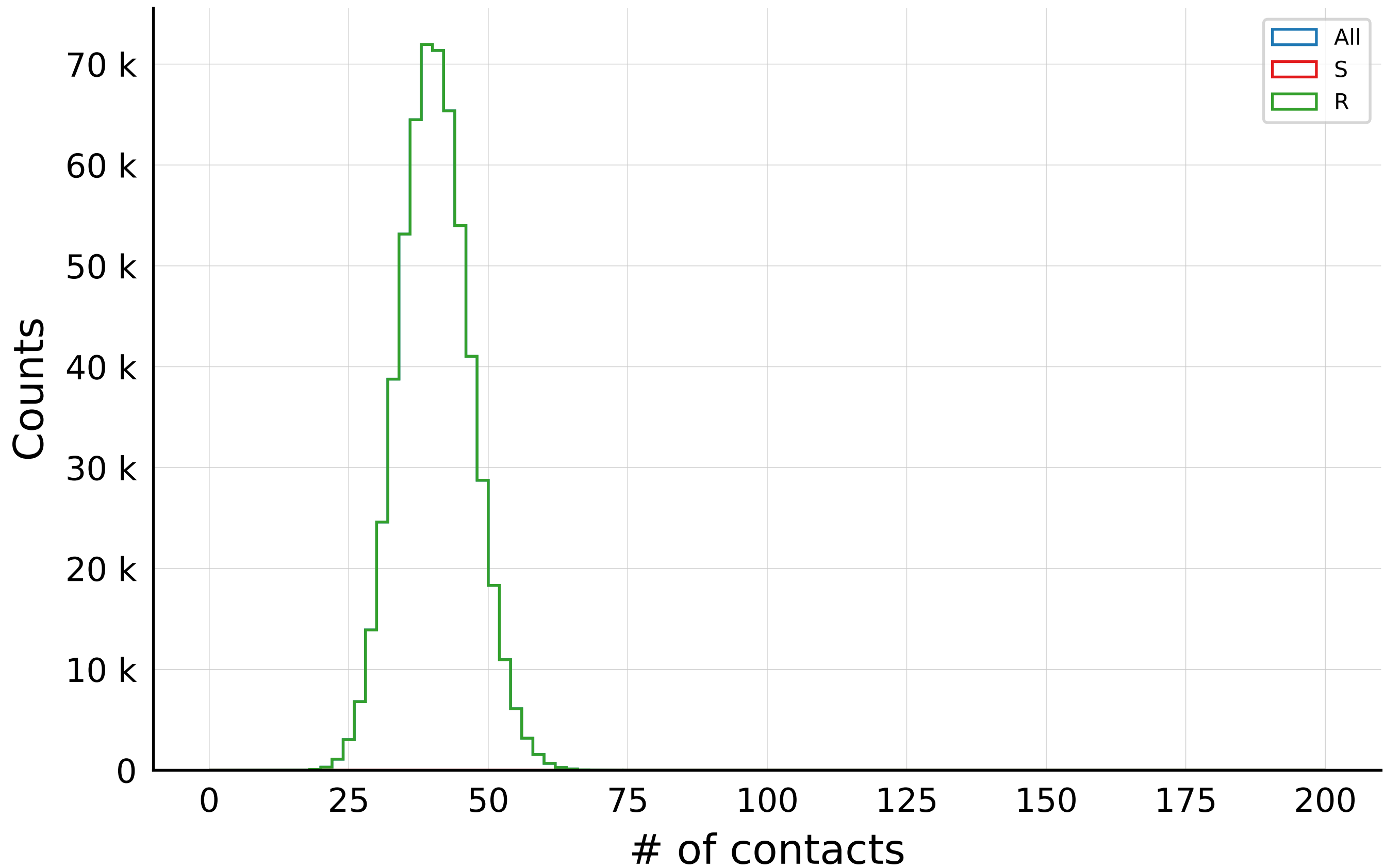
$\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



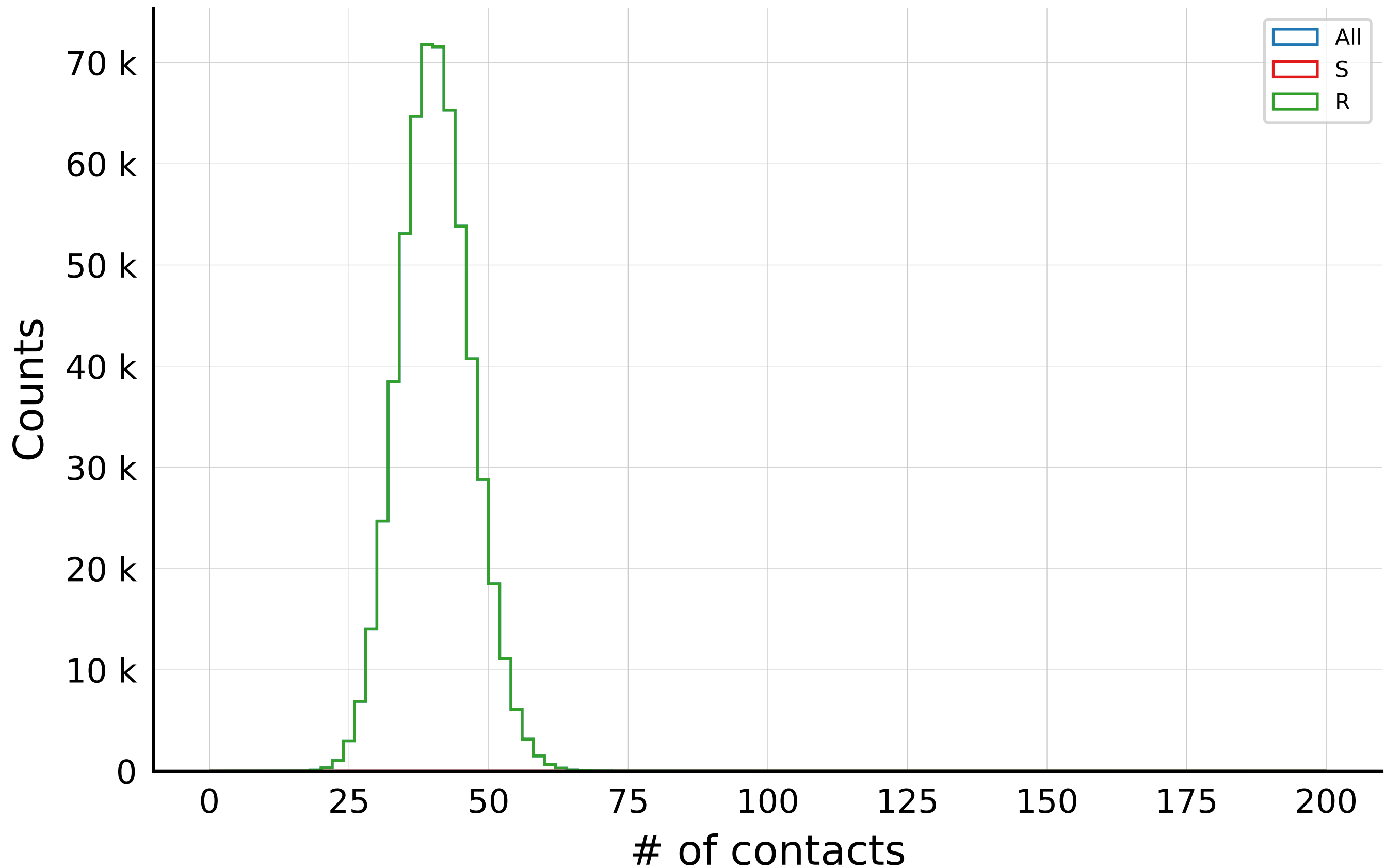
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.075$, $\sigma_{\beta} = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



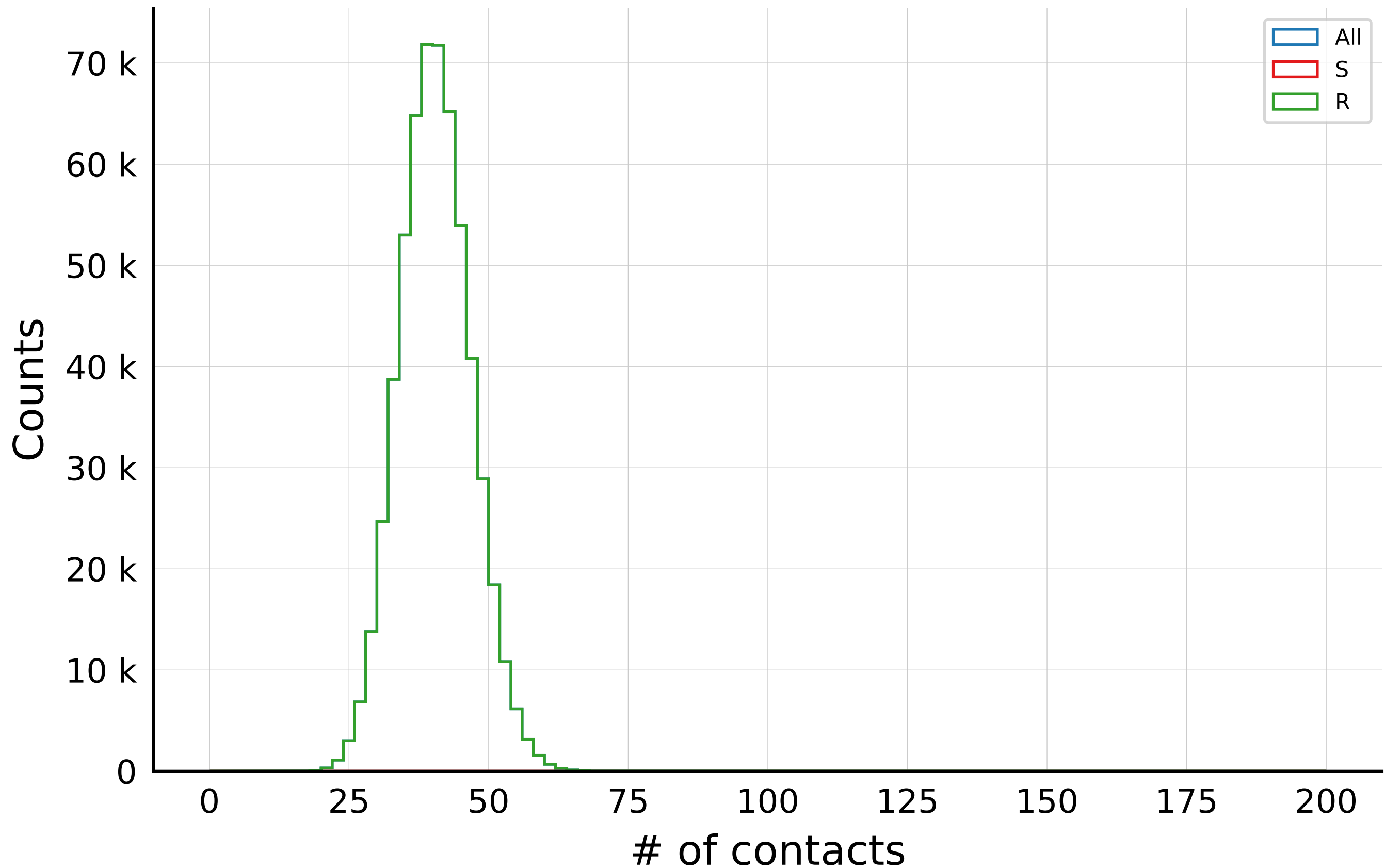
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.1, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



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

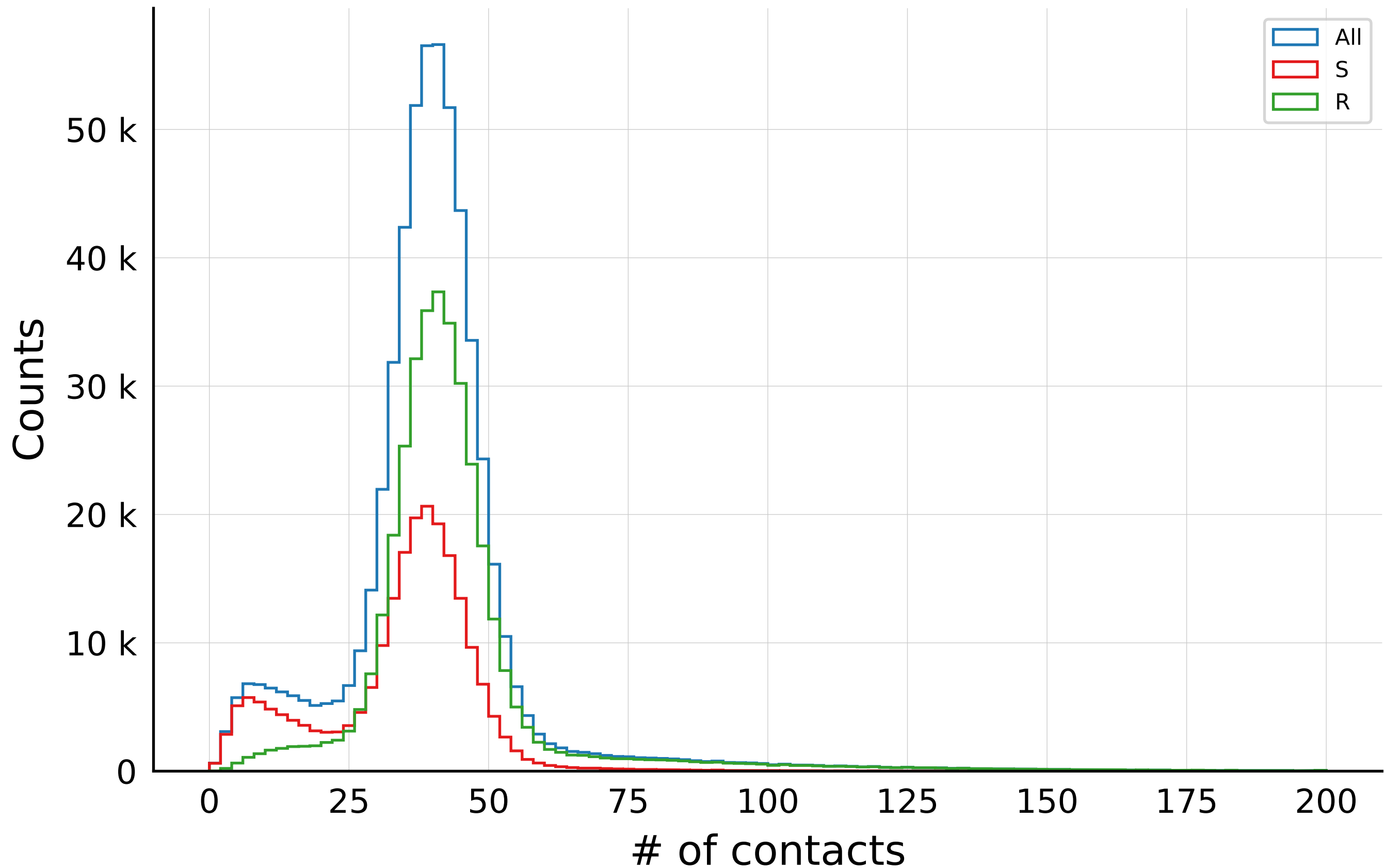


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.1, \sigma_{\beta} = 1.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

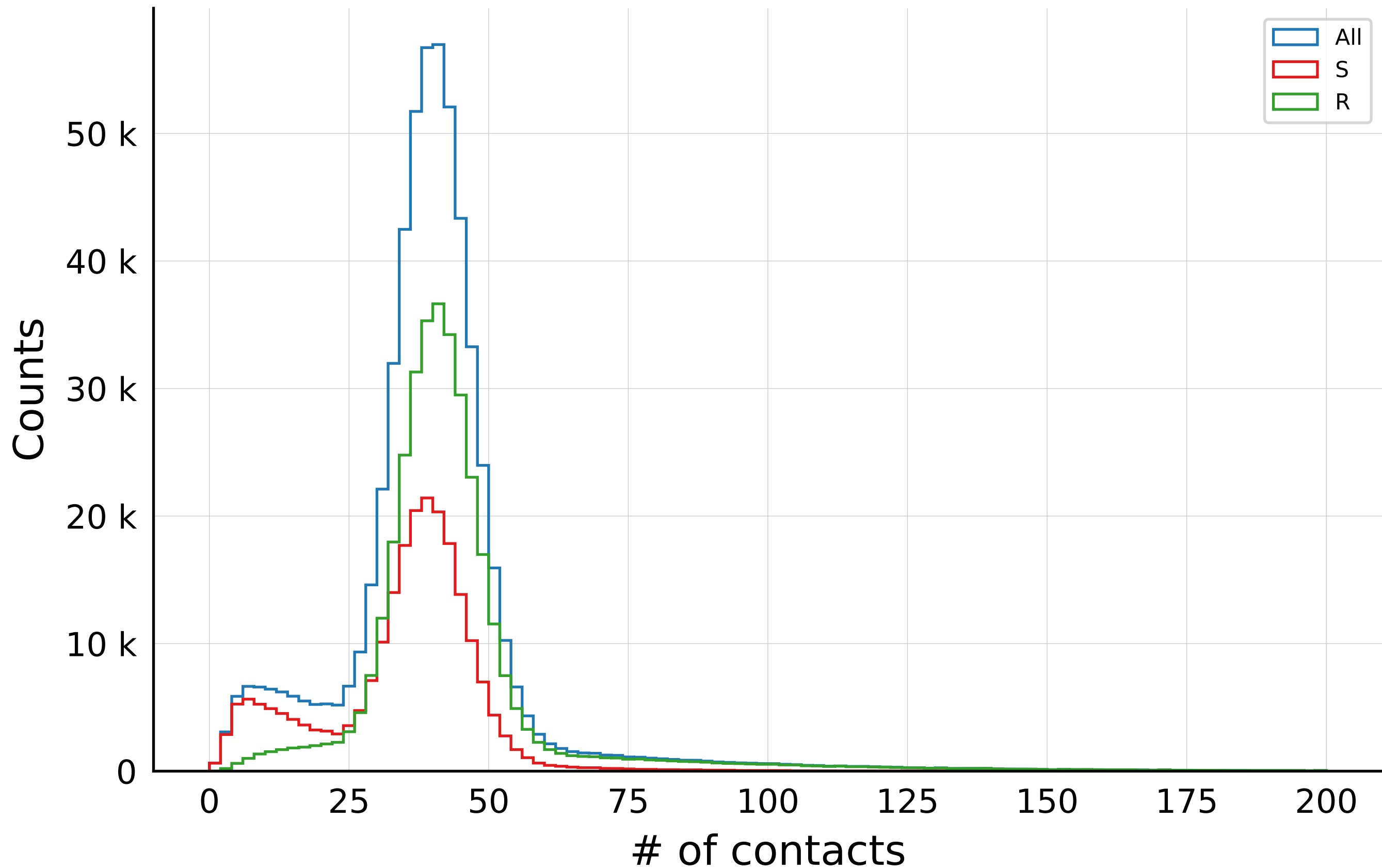


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.25$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$

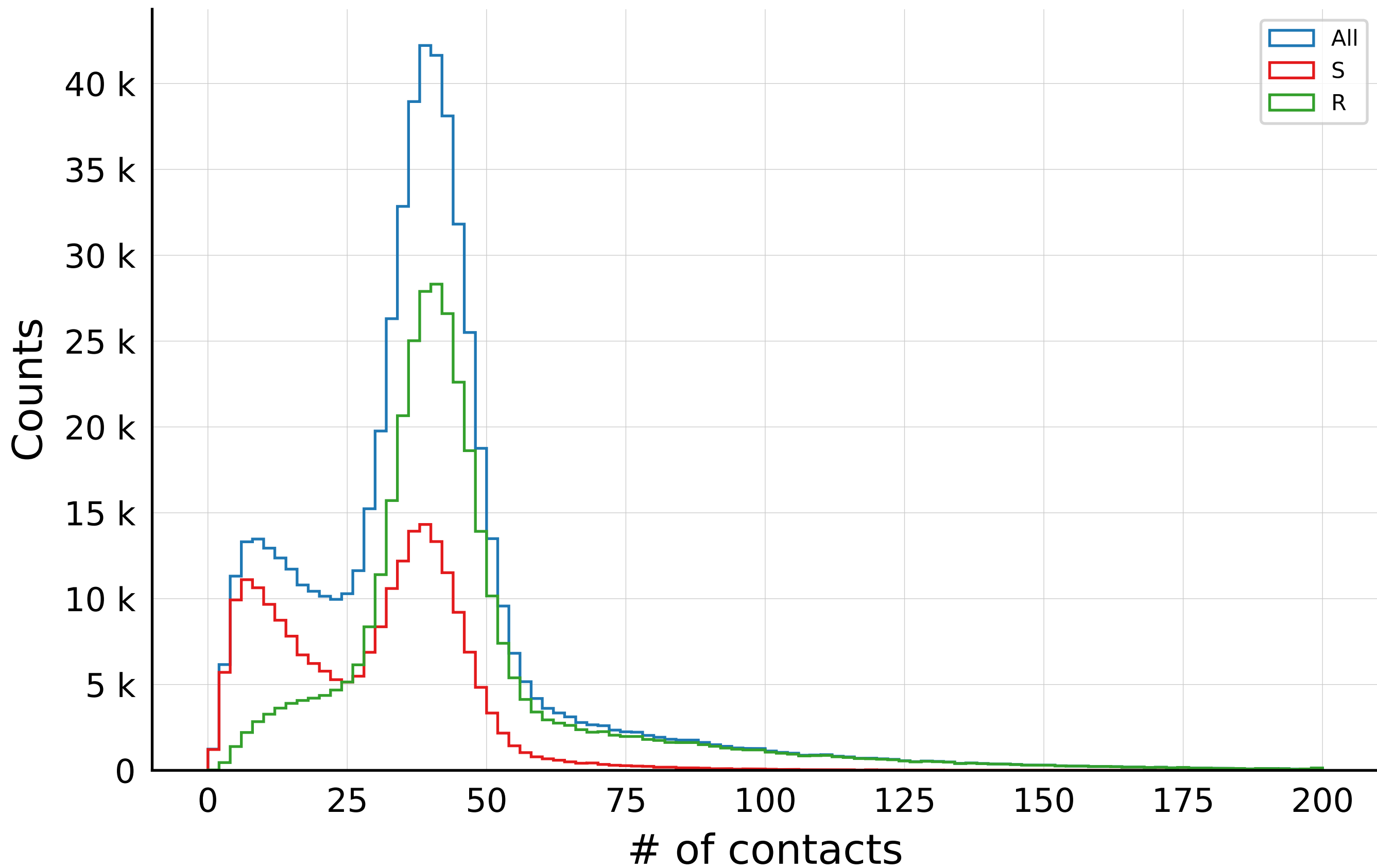
$\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



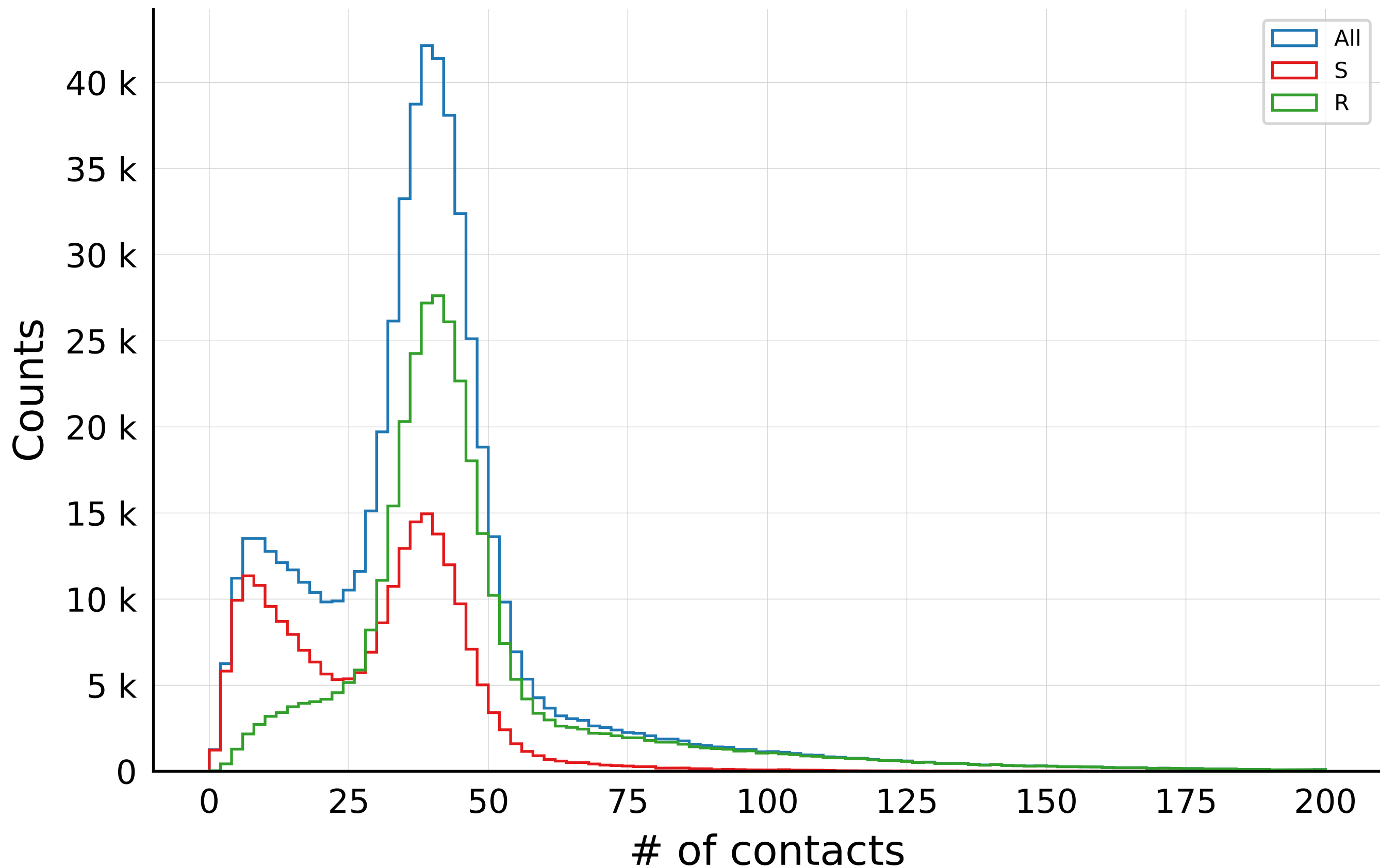
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.25, \beta = 0.01, \sigma_{\beta} = 1.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



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

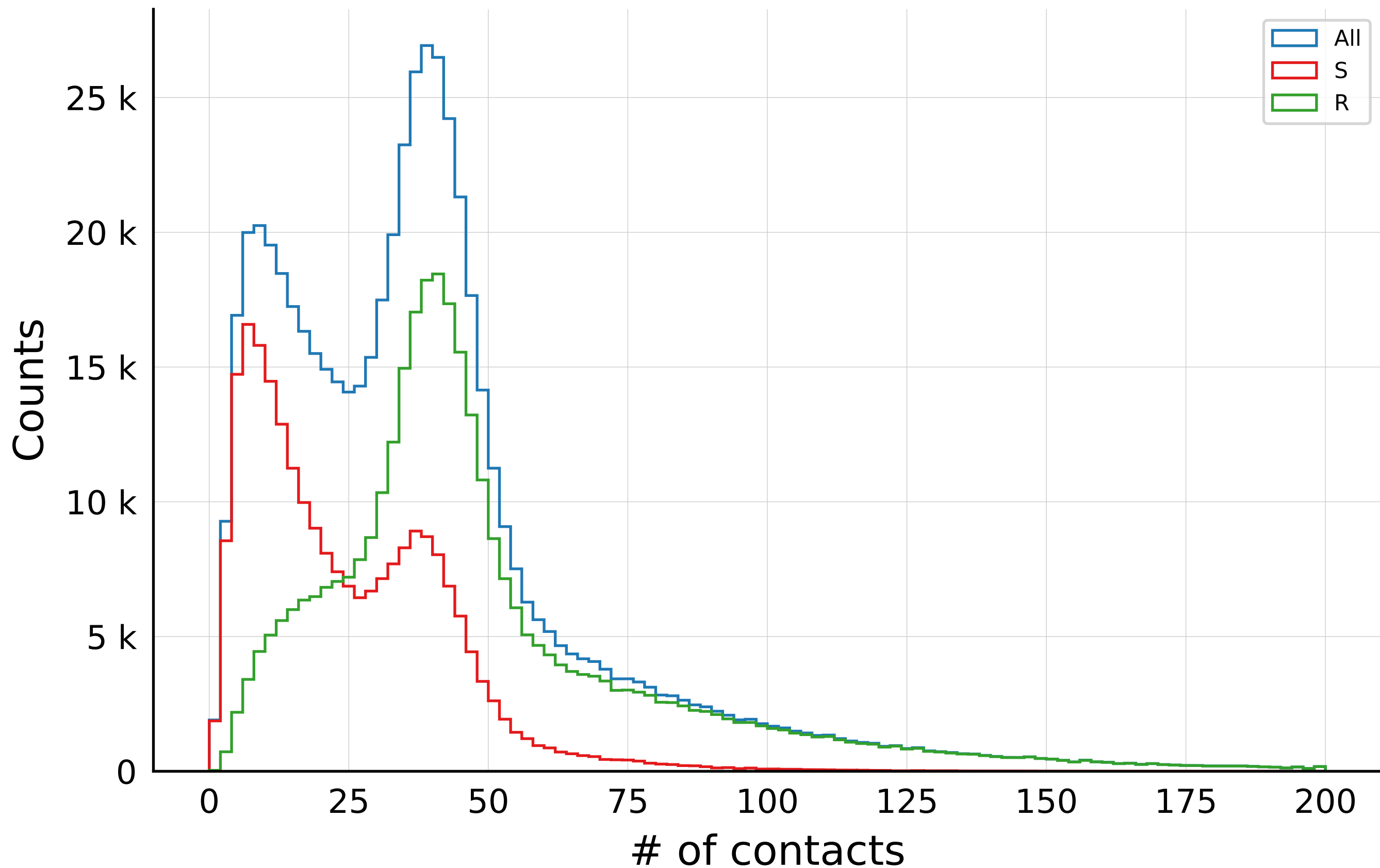


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.5$, $\beta = 0.01$, $\sigma_{\beta} = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$

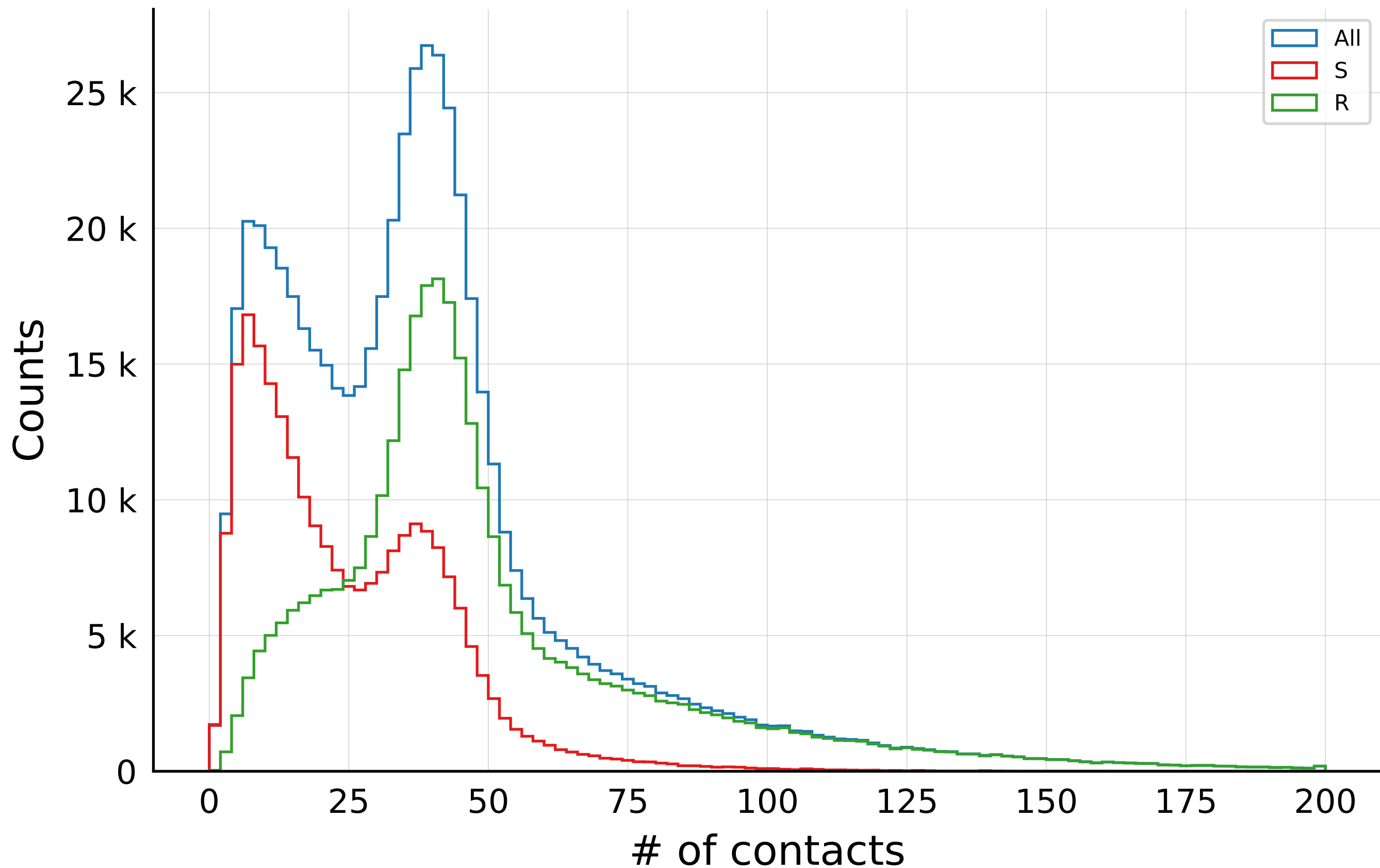


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.75, \beta = 0.01, \sigma_{\beta} = 0.0$$

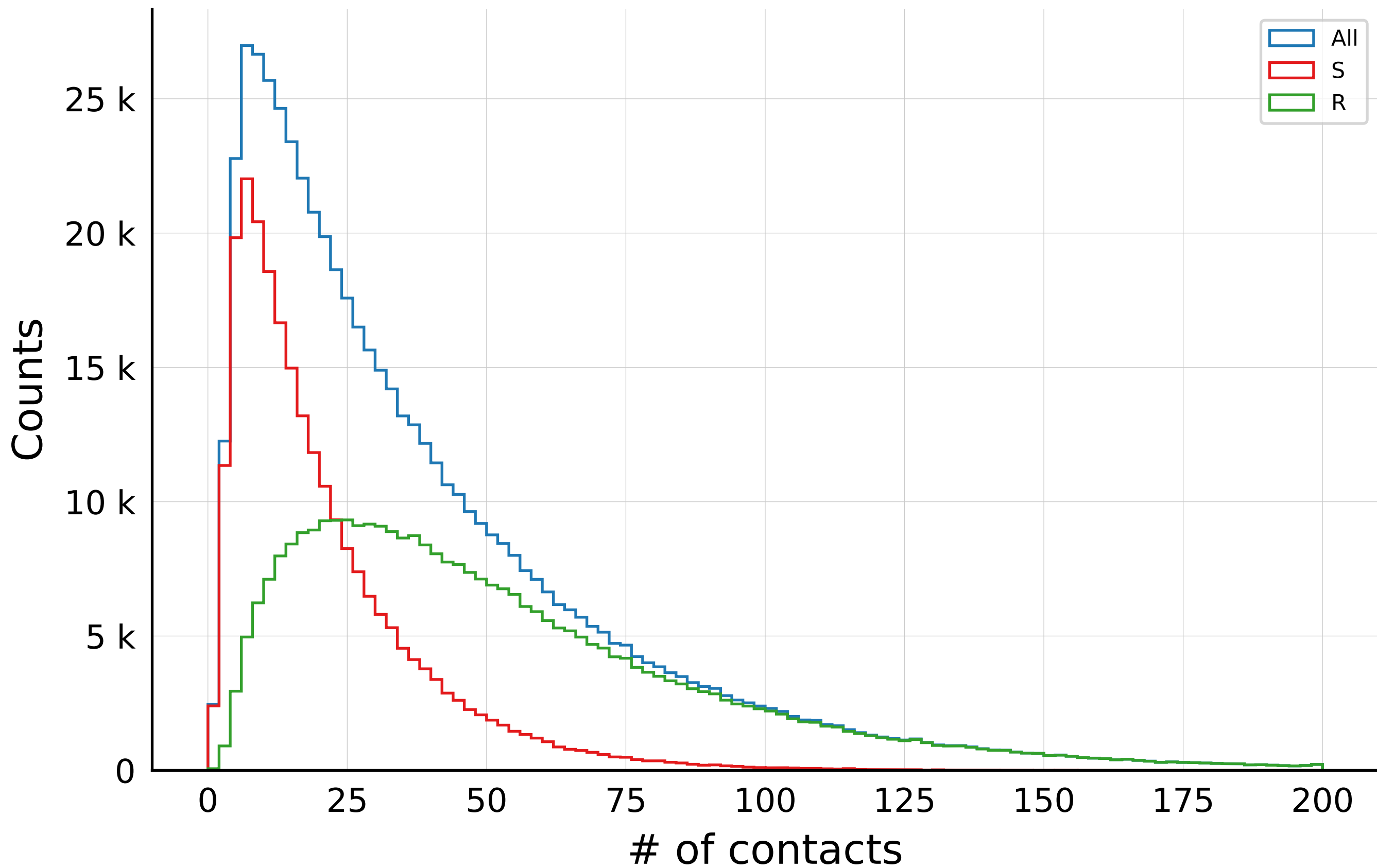
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



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

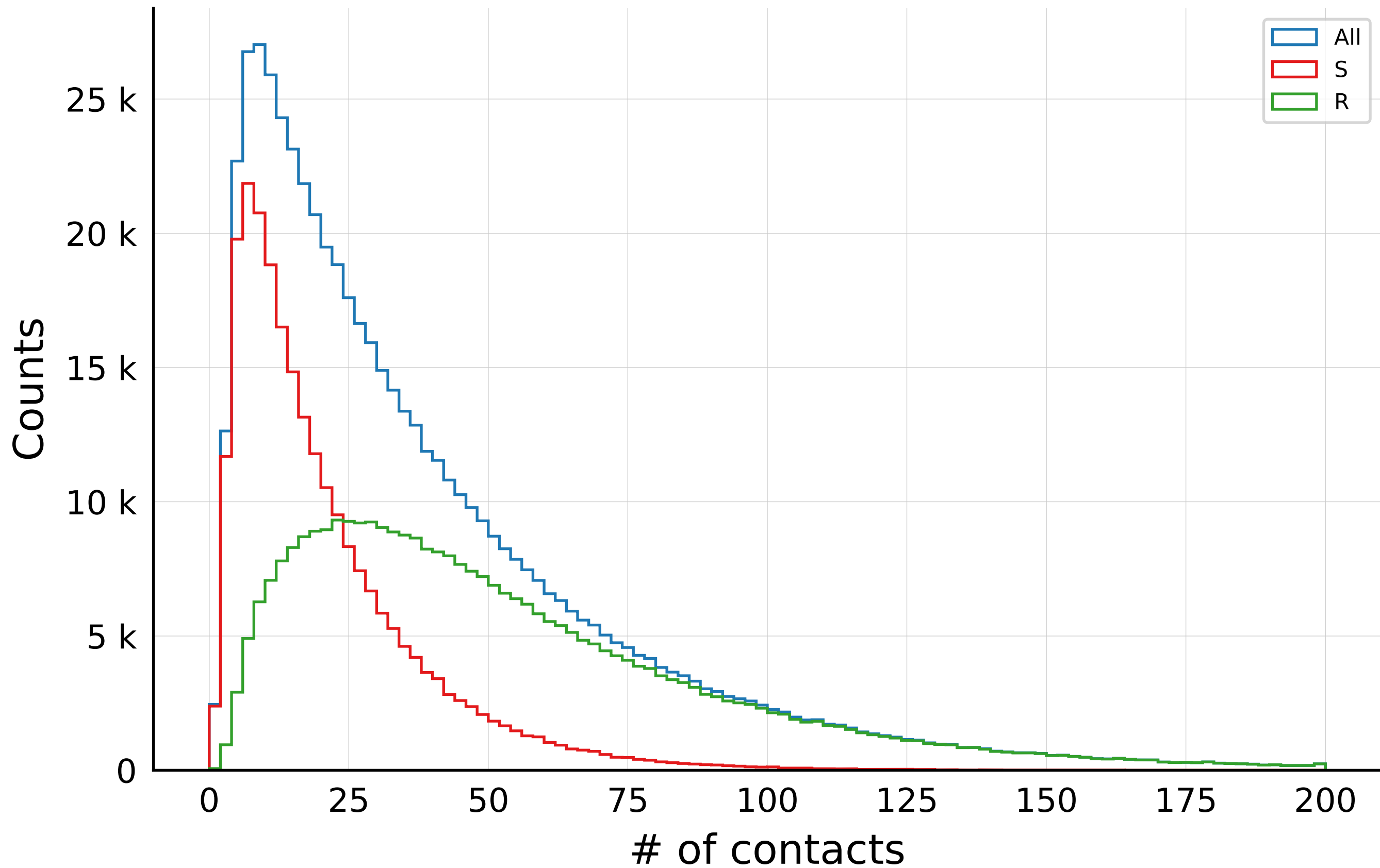


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 1.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

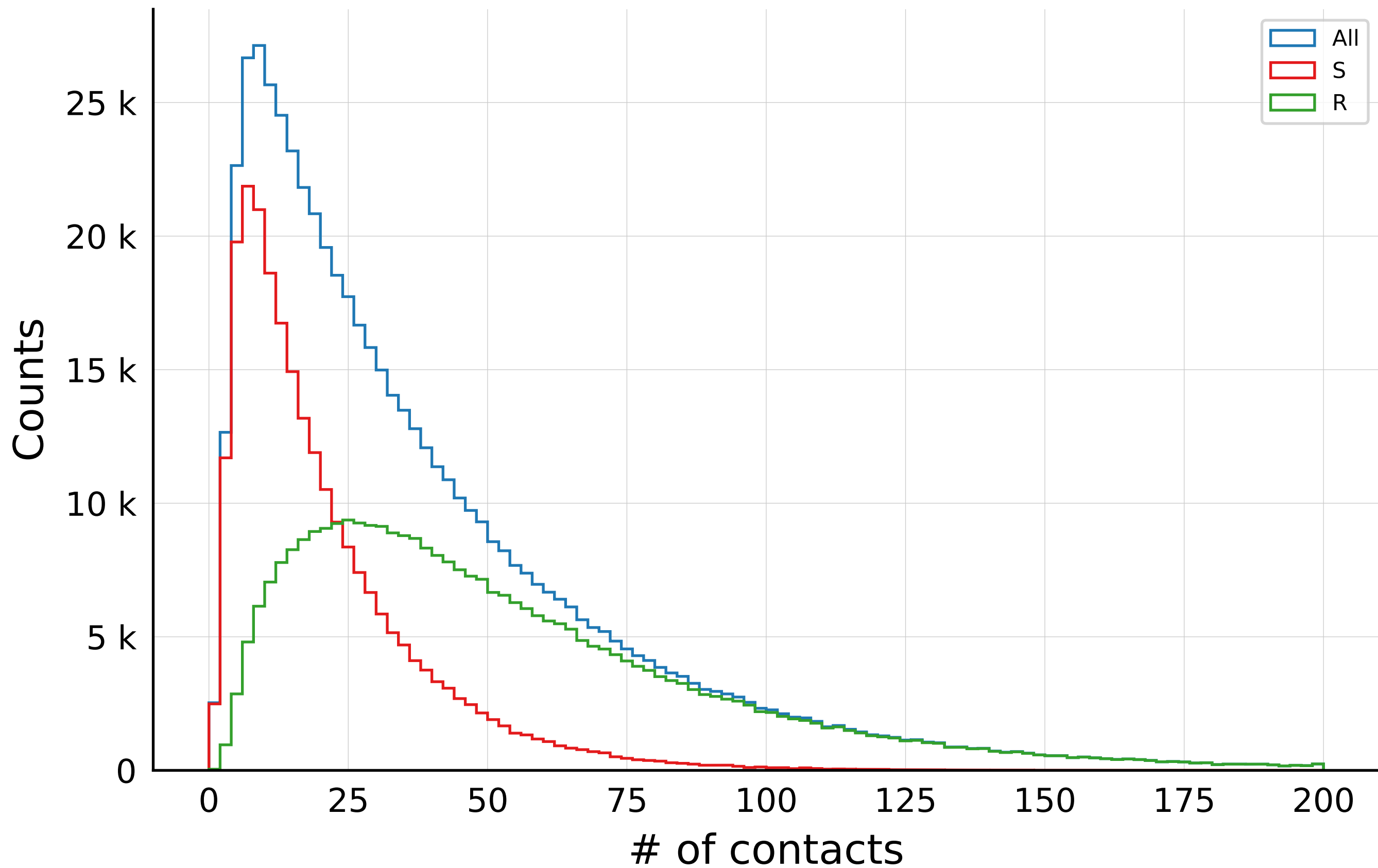


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 1.0, \beta = 0.01, \sigma_{\beta} = 0.25$$

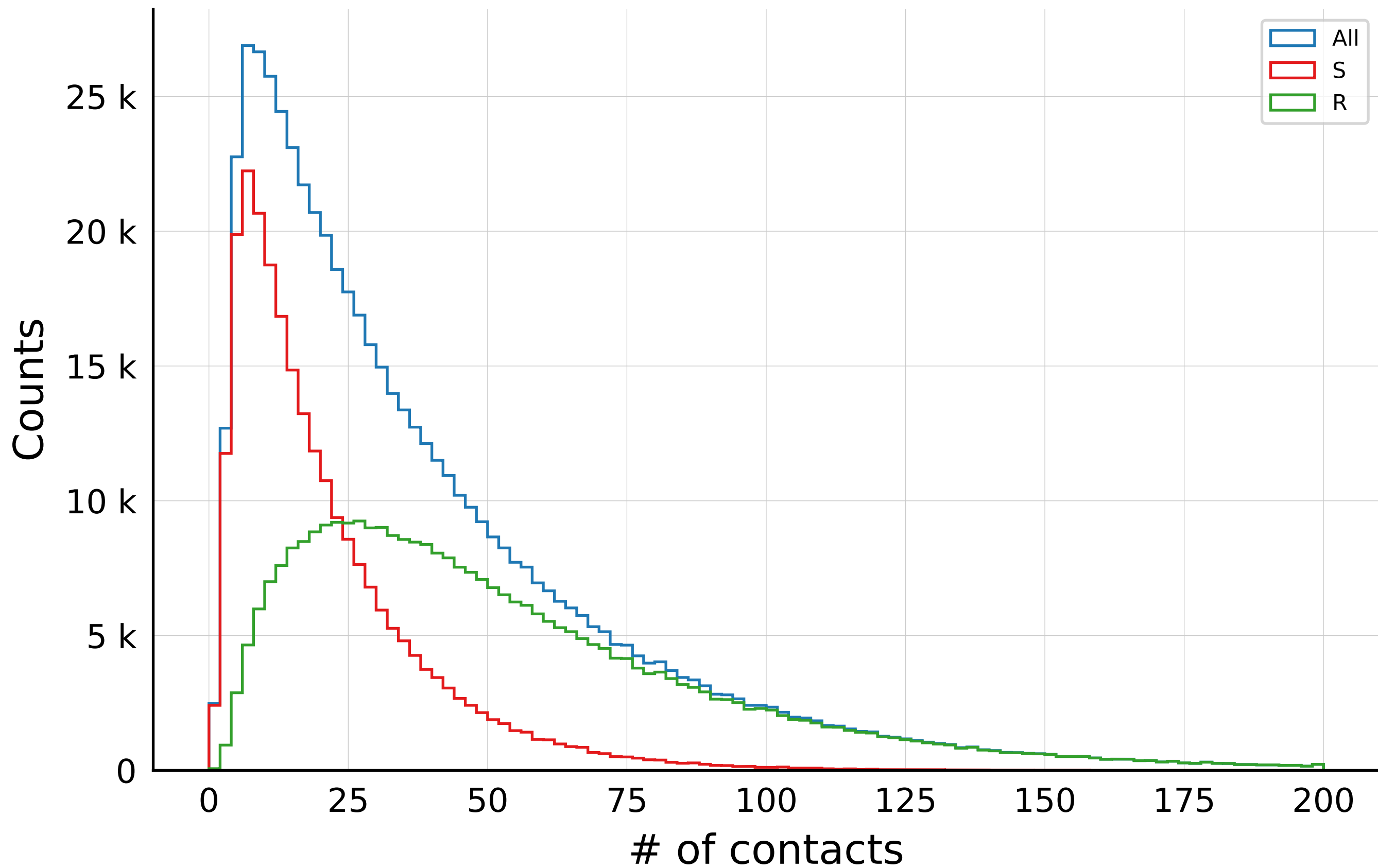
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



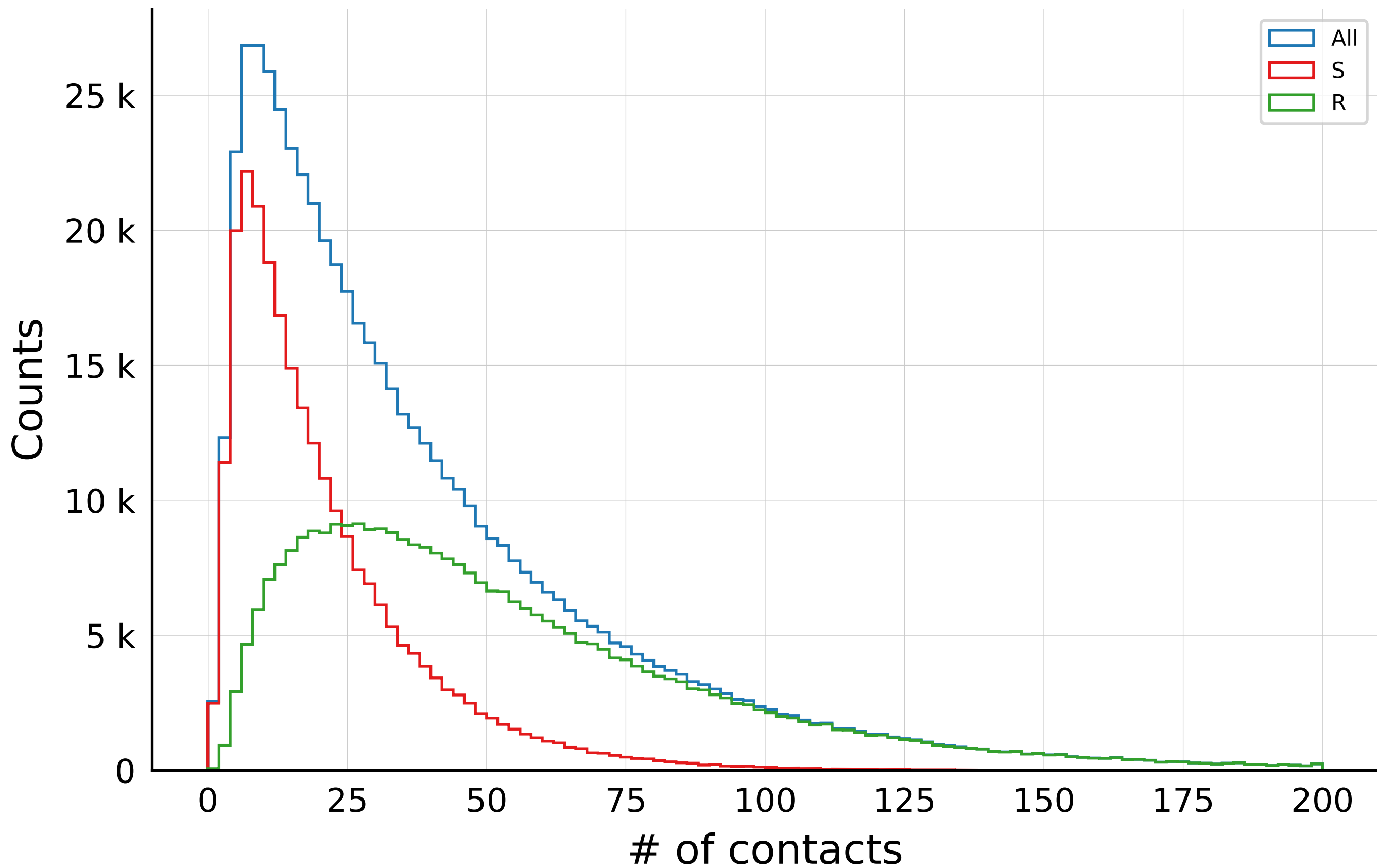
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 1.0, \beta = 0.01, \sigma_{\beta} = 0.5$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



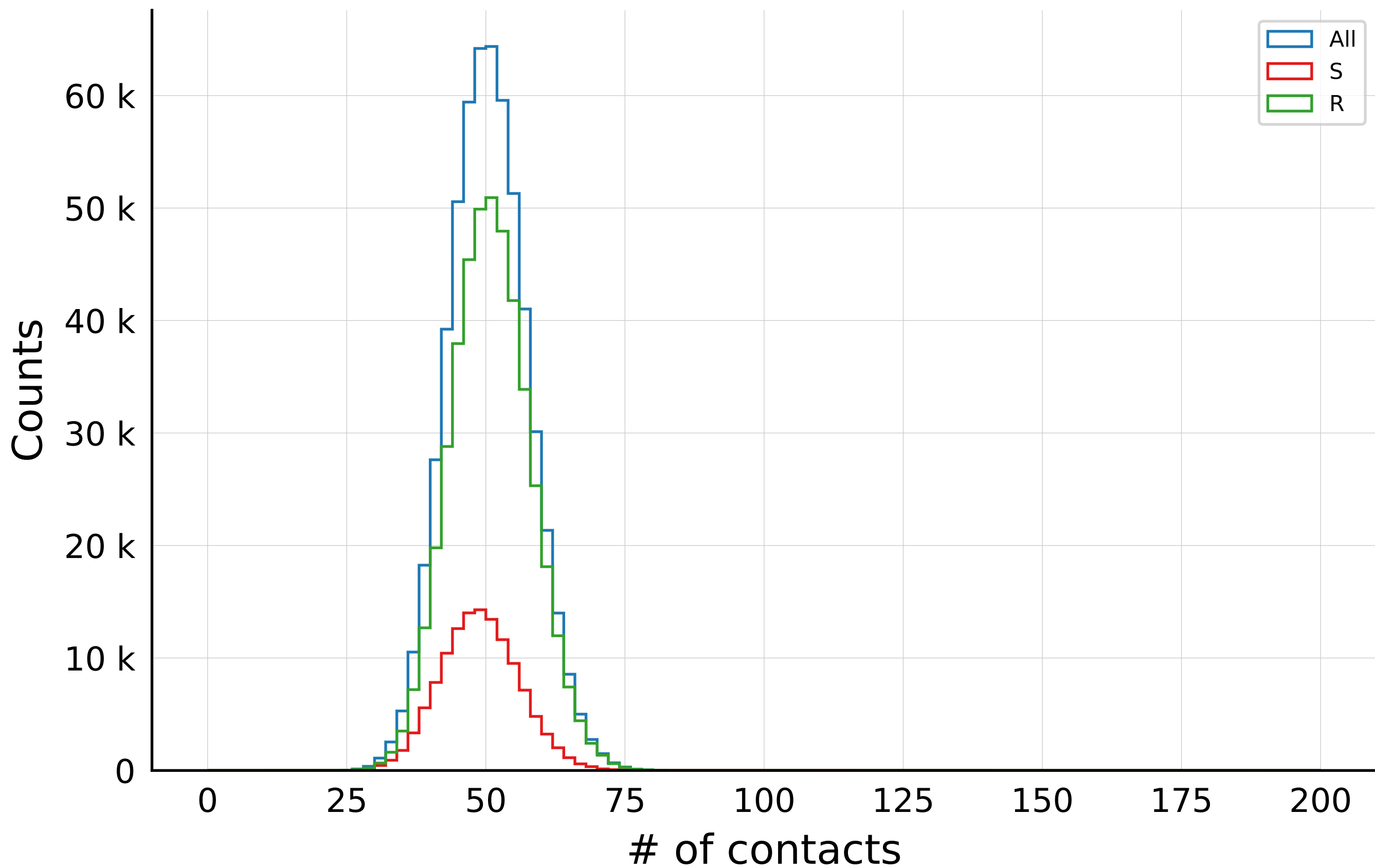
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 1.0, \beta = 0.01, \sigma_{\beta} = 0.75$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



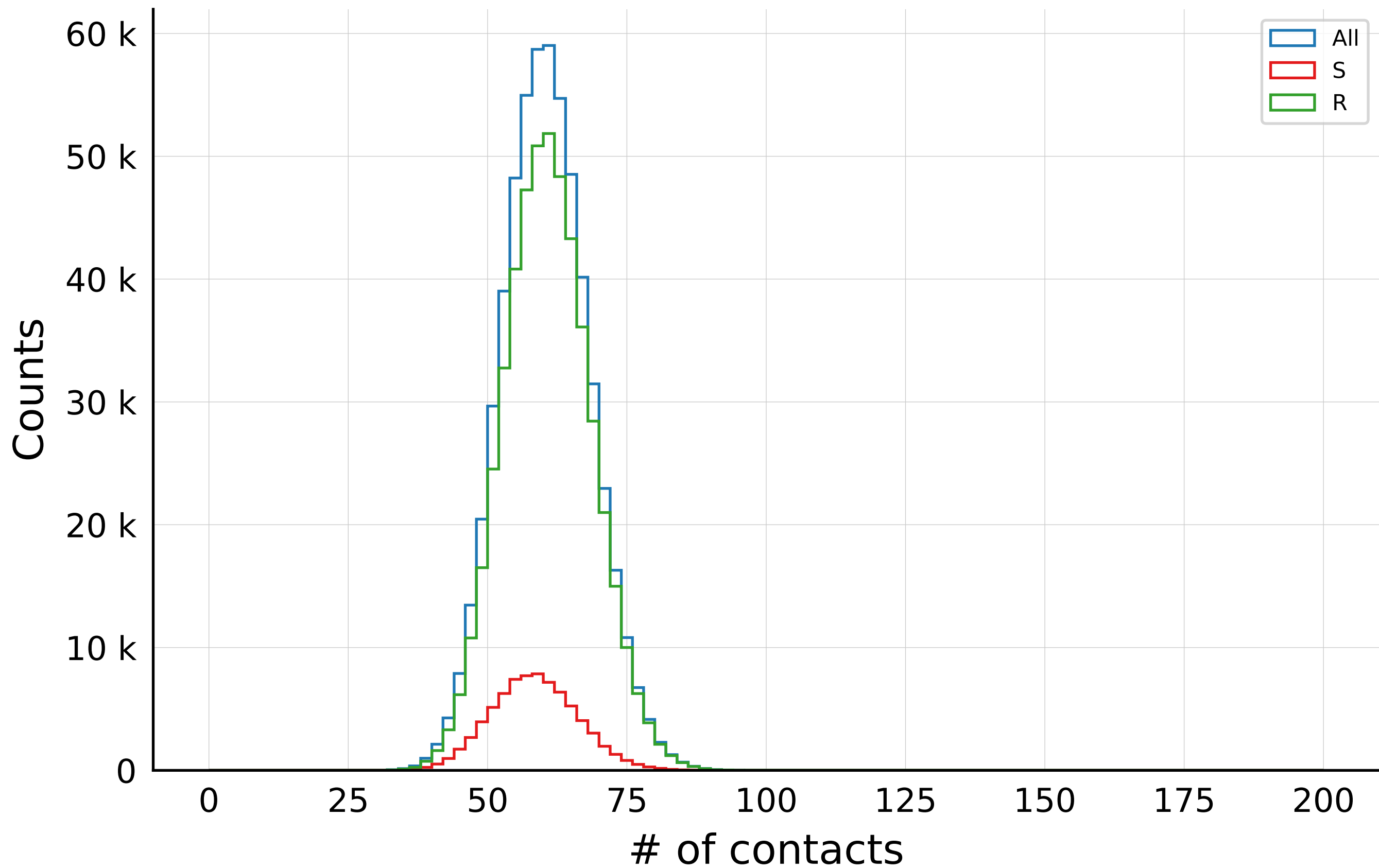
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 1.0$, $\beta = 0.01$, $\sigma_{\beta} = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



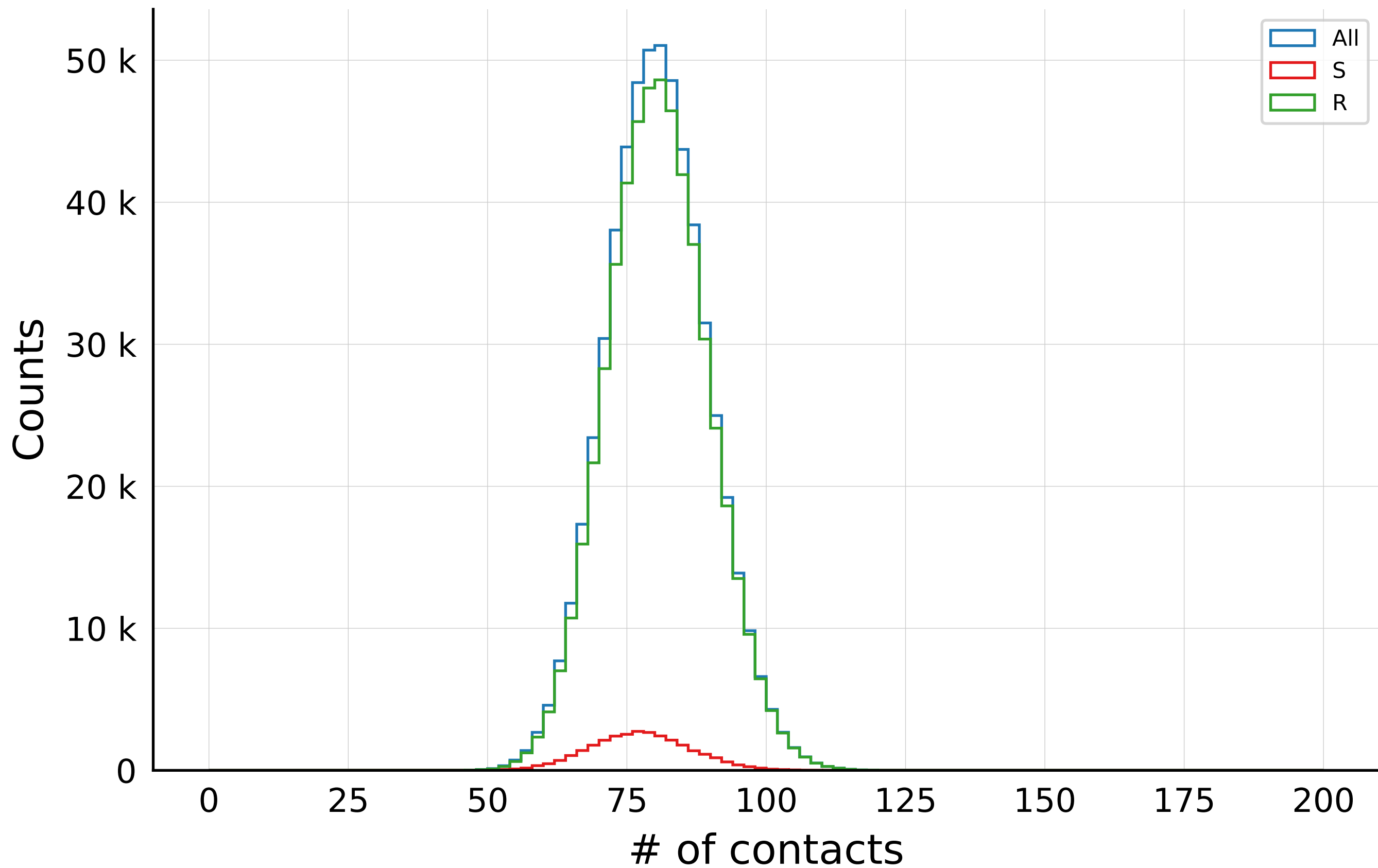
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 50.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



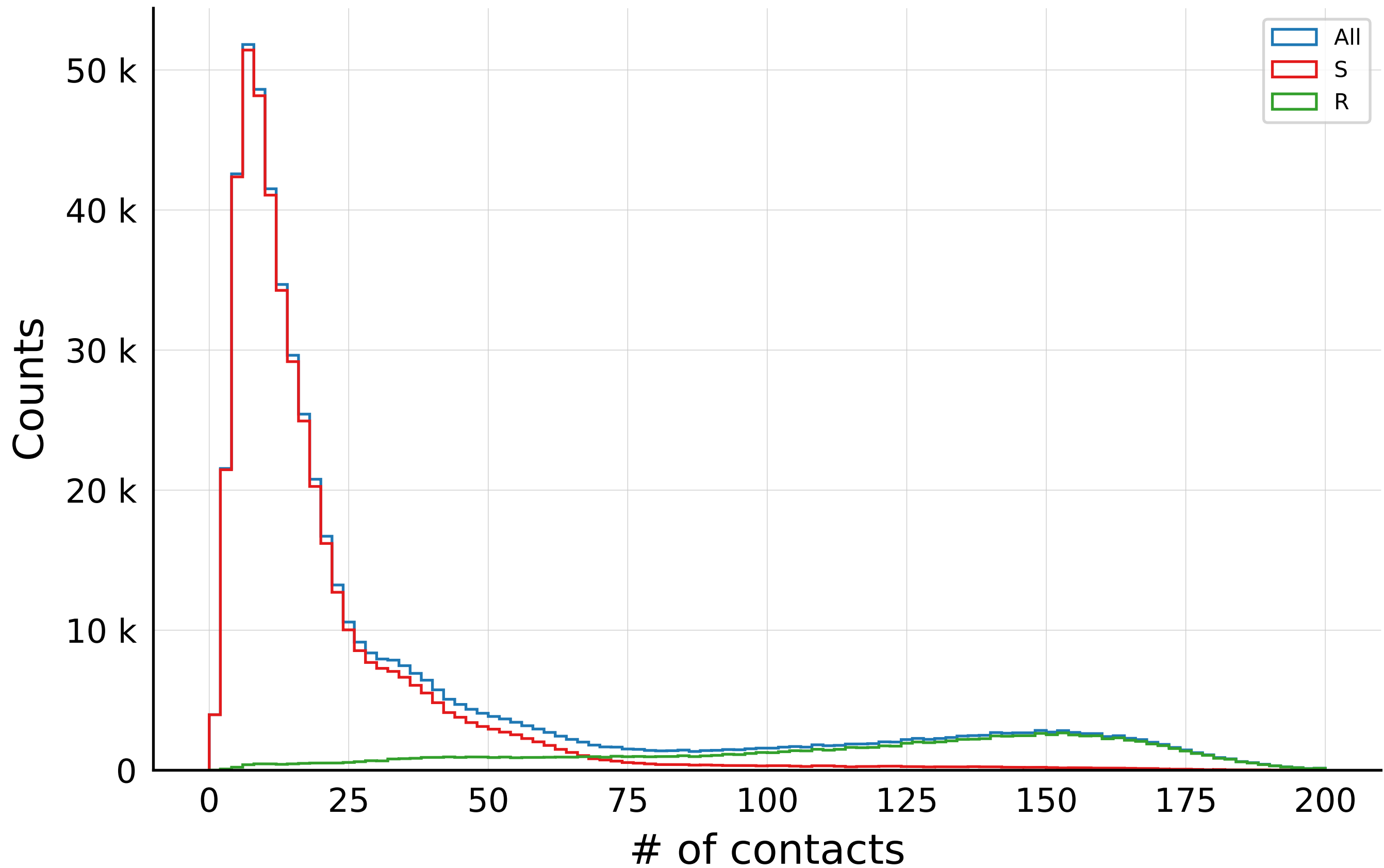
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 60.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



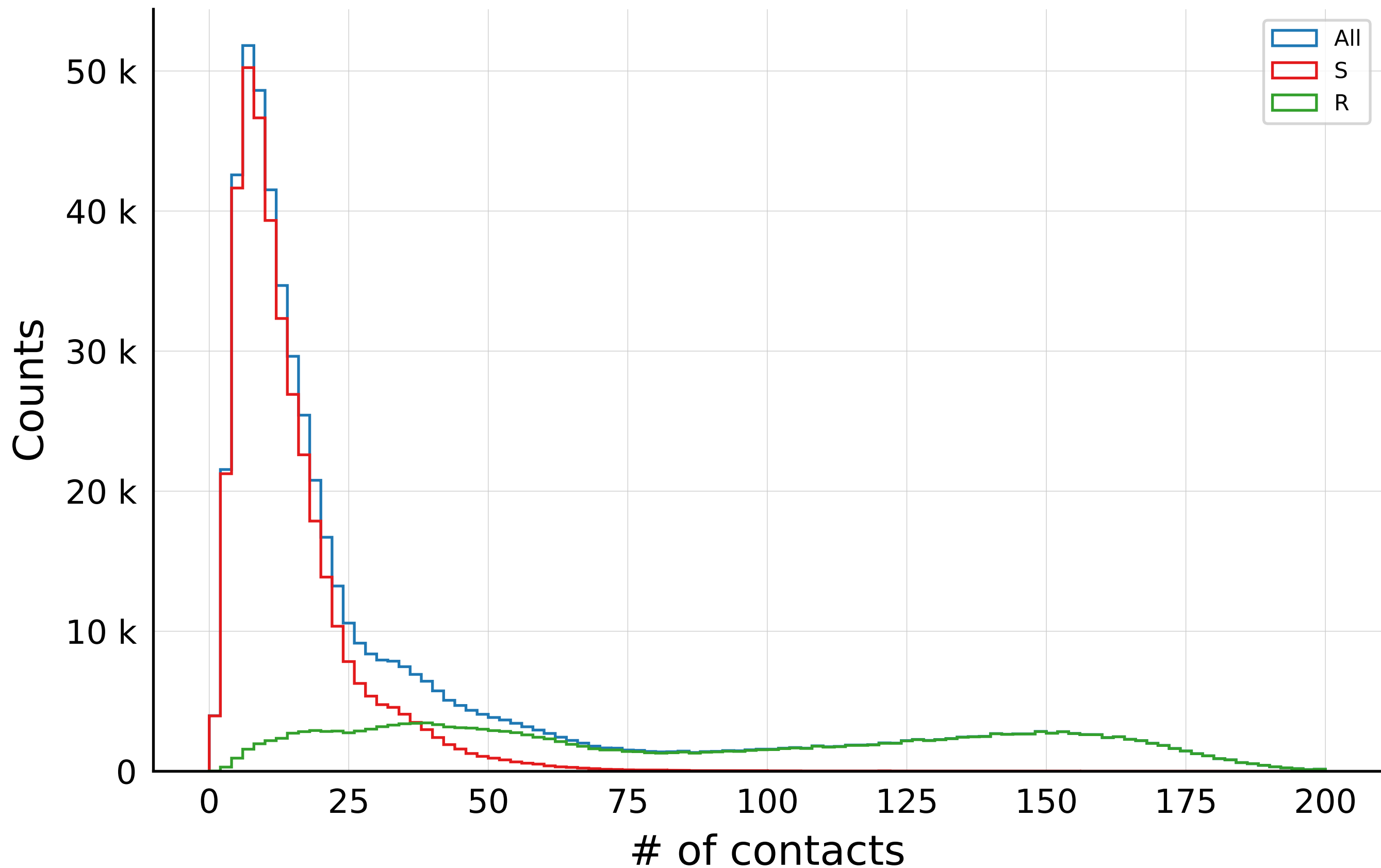
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 80.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



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

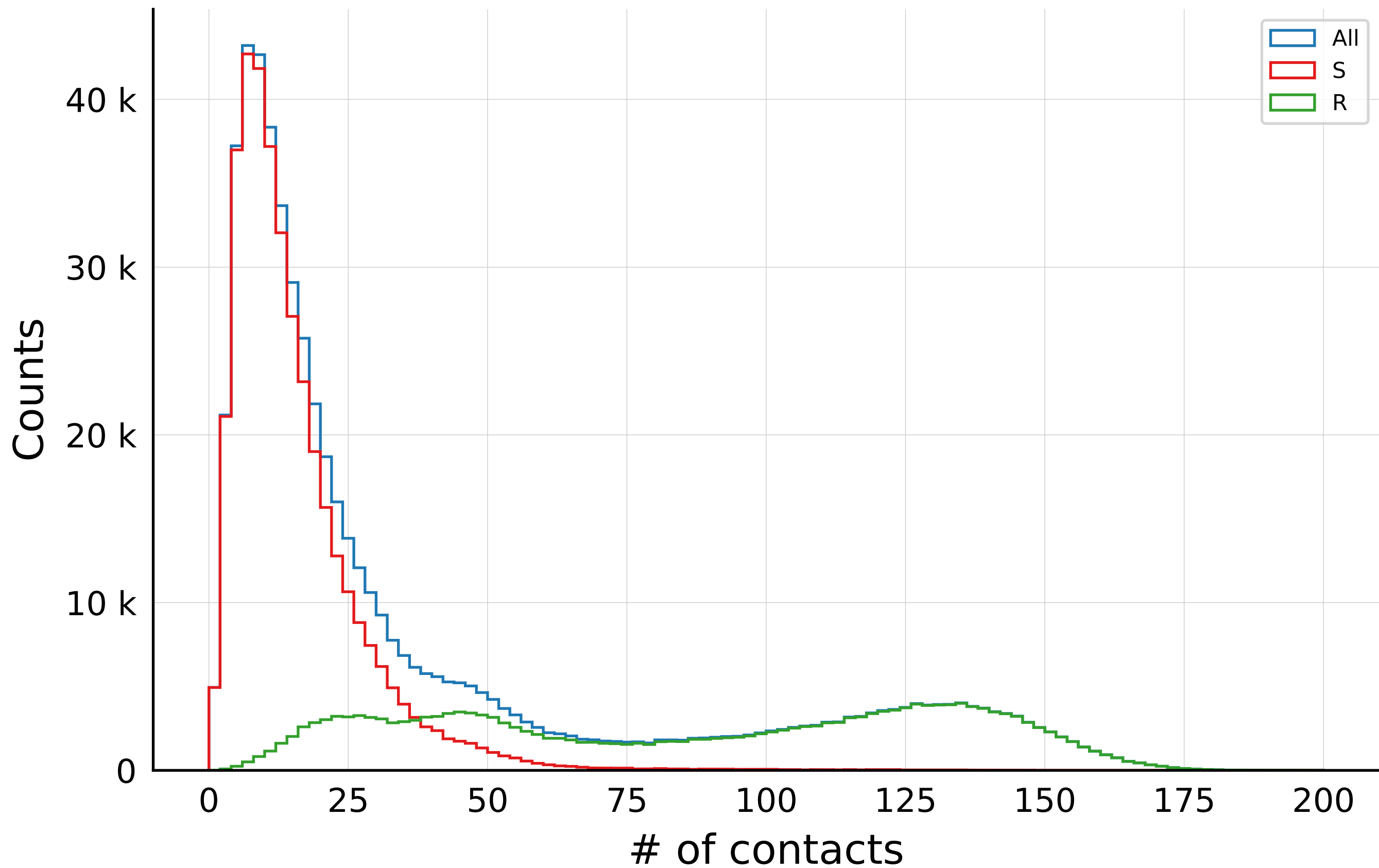


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.15, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

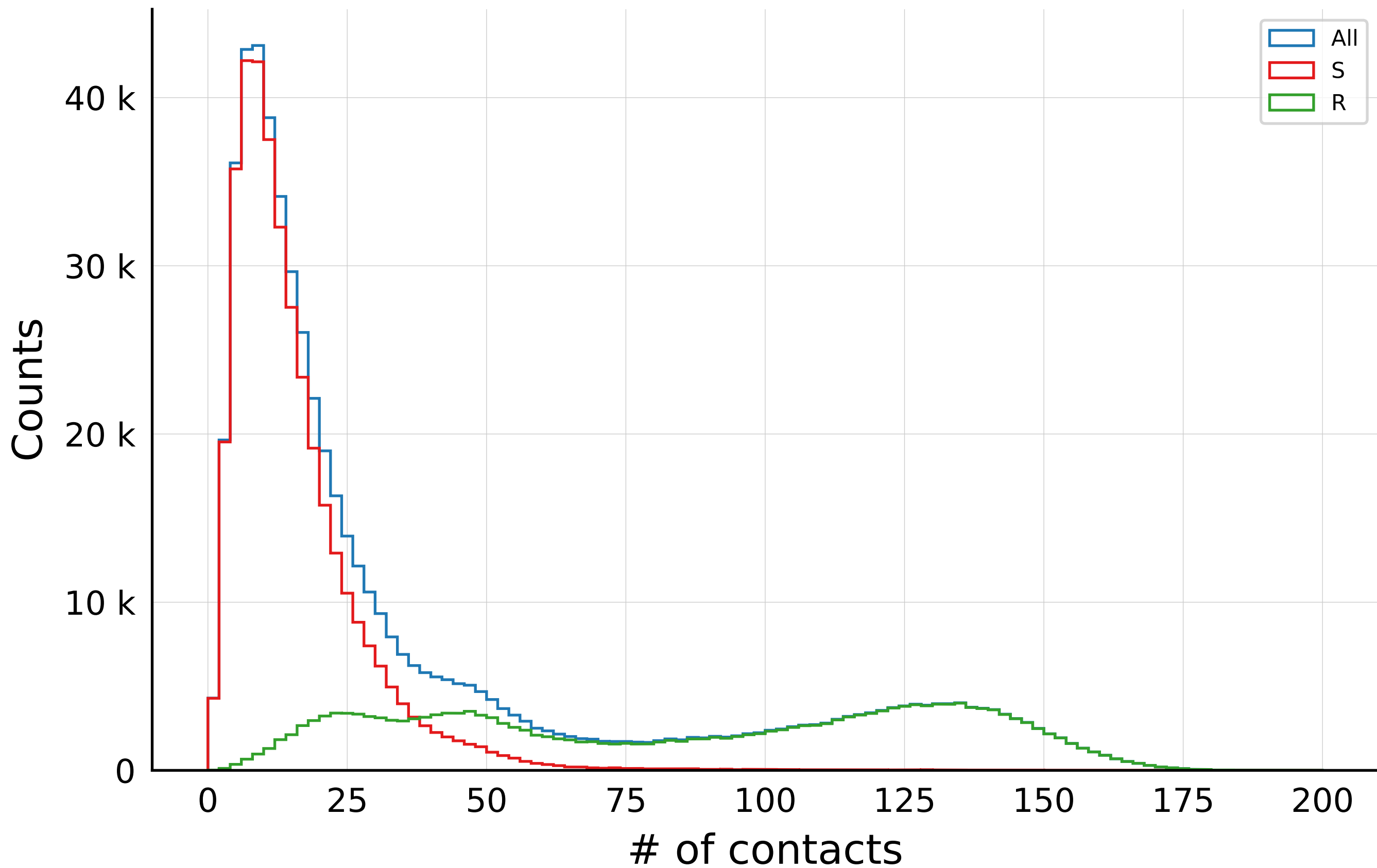


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.005, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$

$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

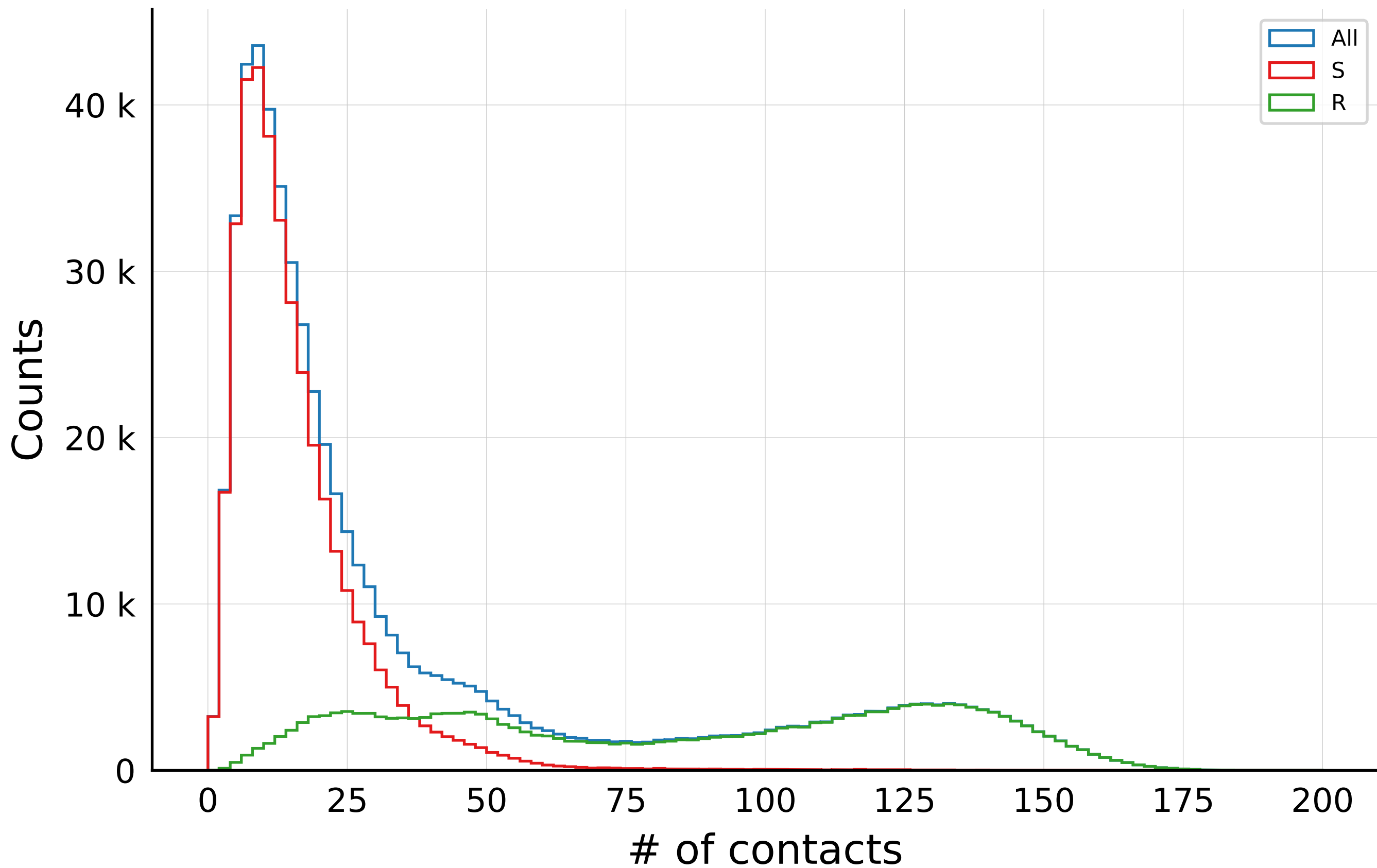


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.01$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$

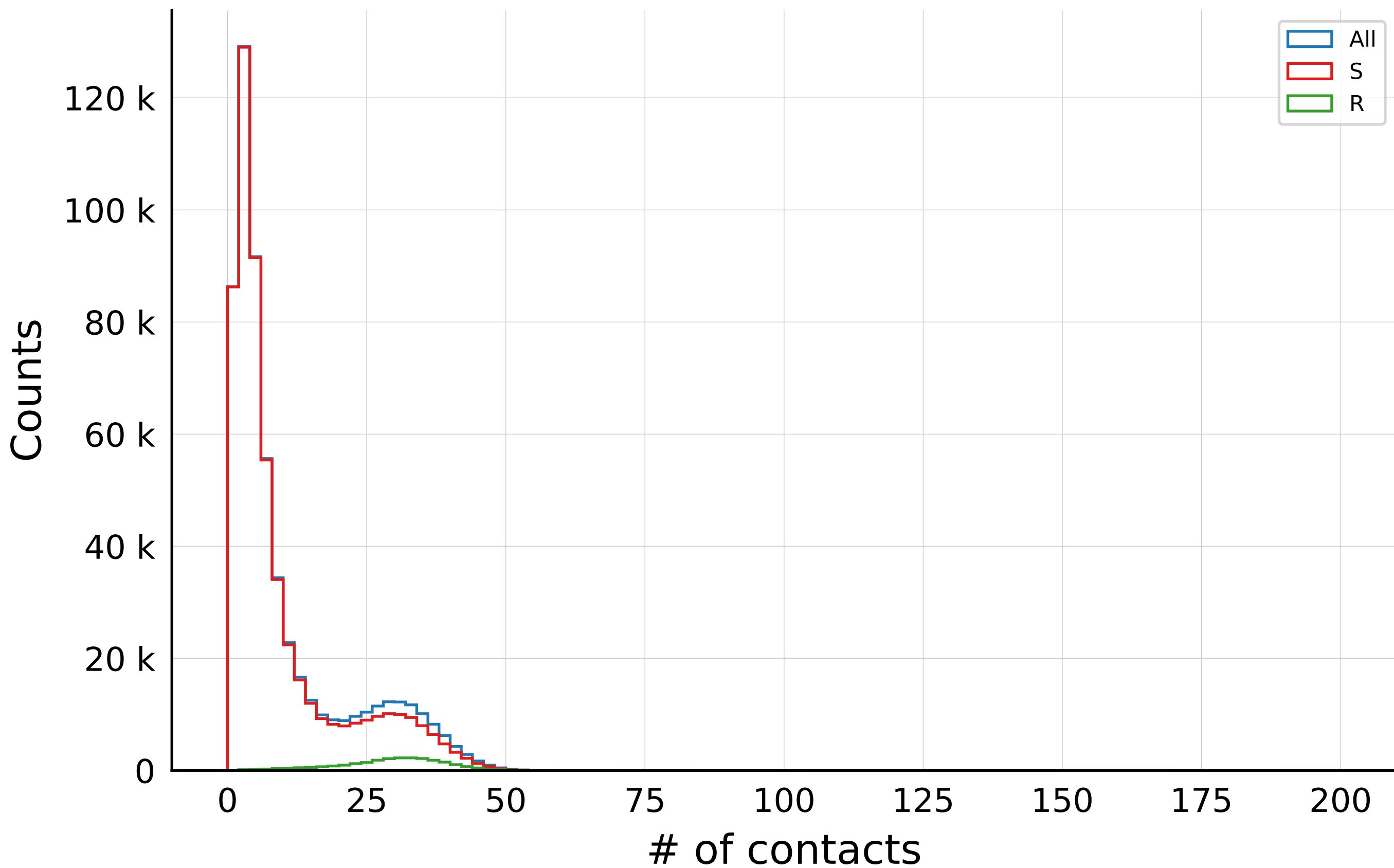


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.02, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$

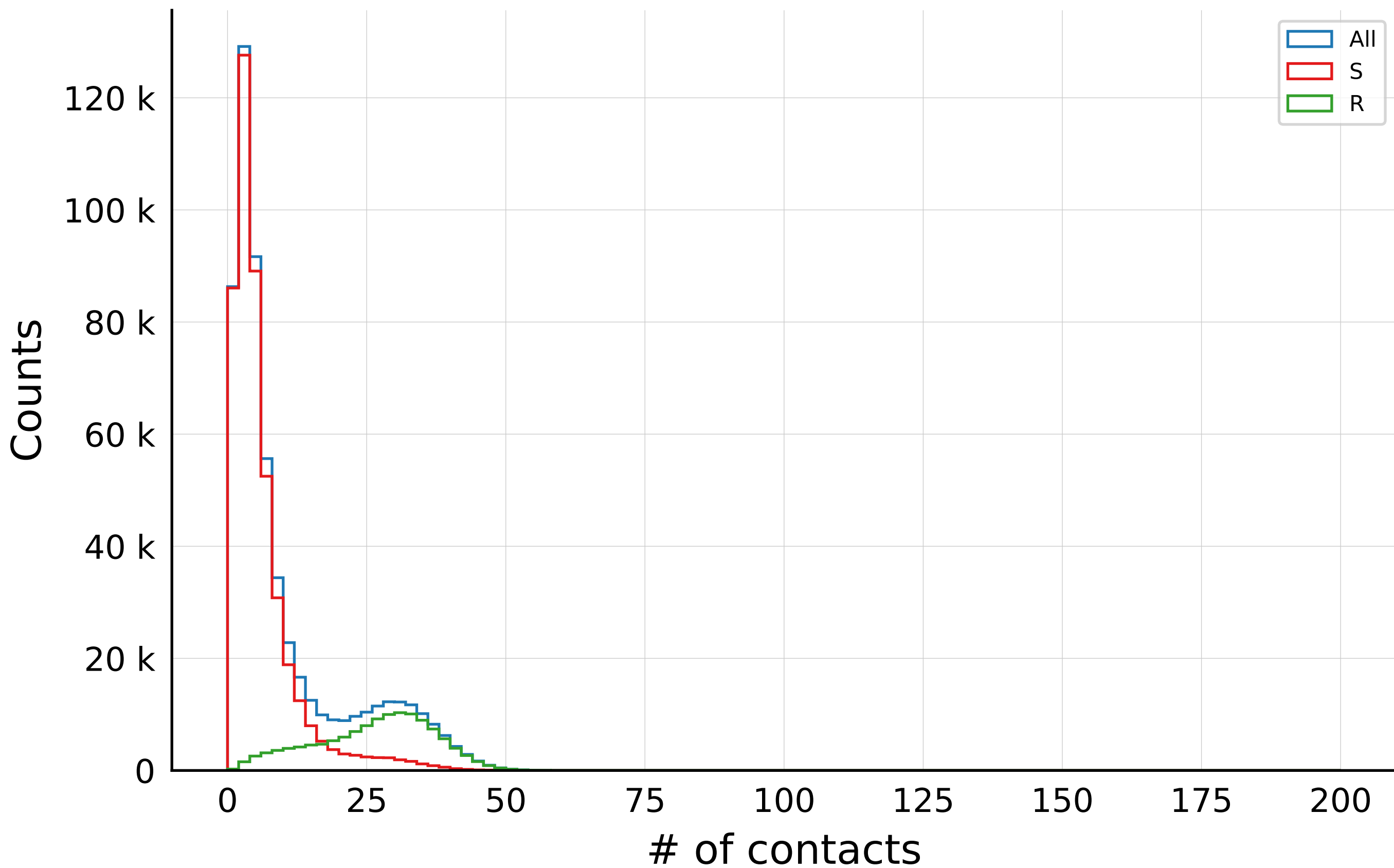
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



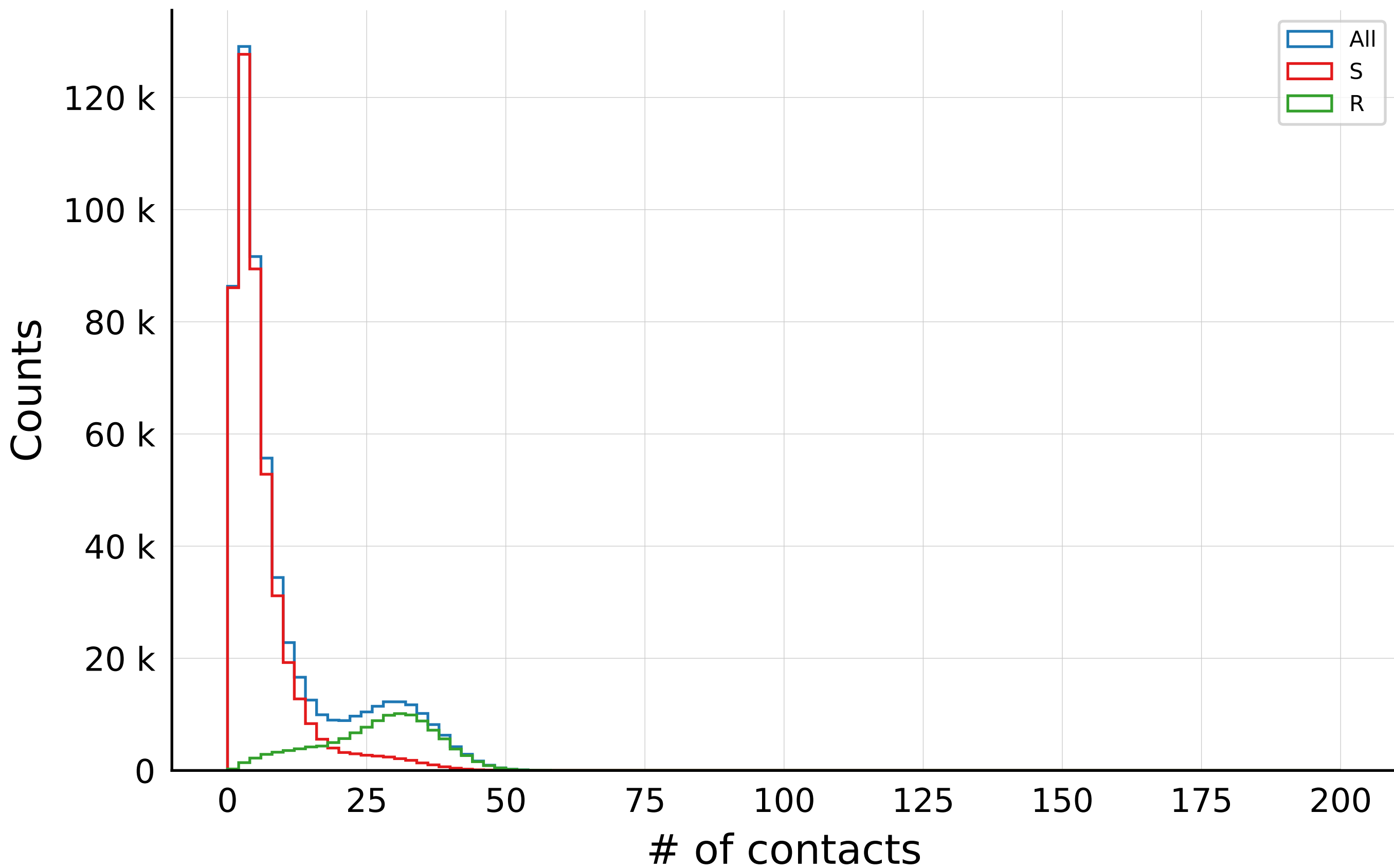
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 10.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



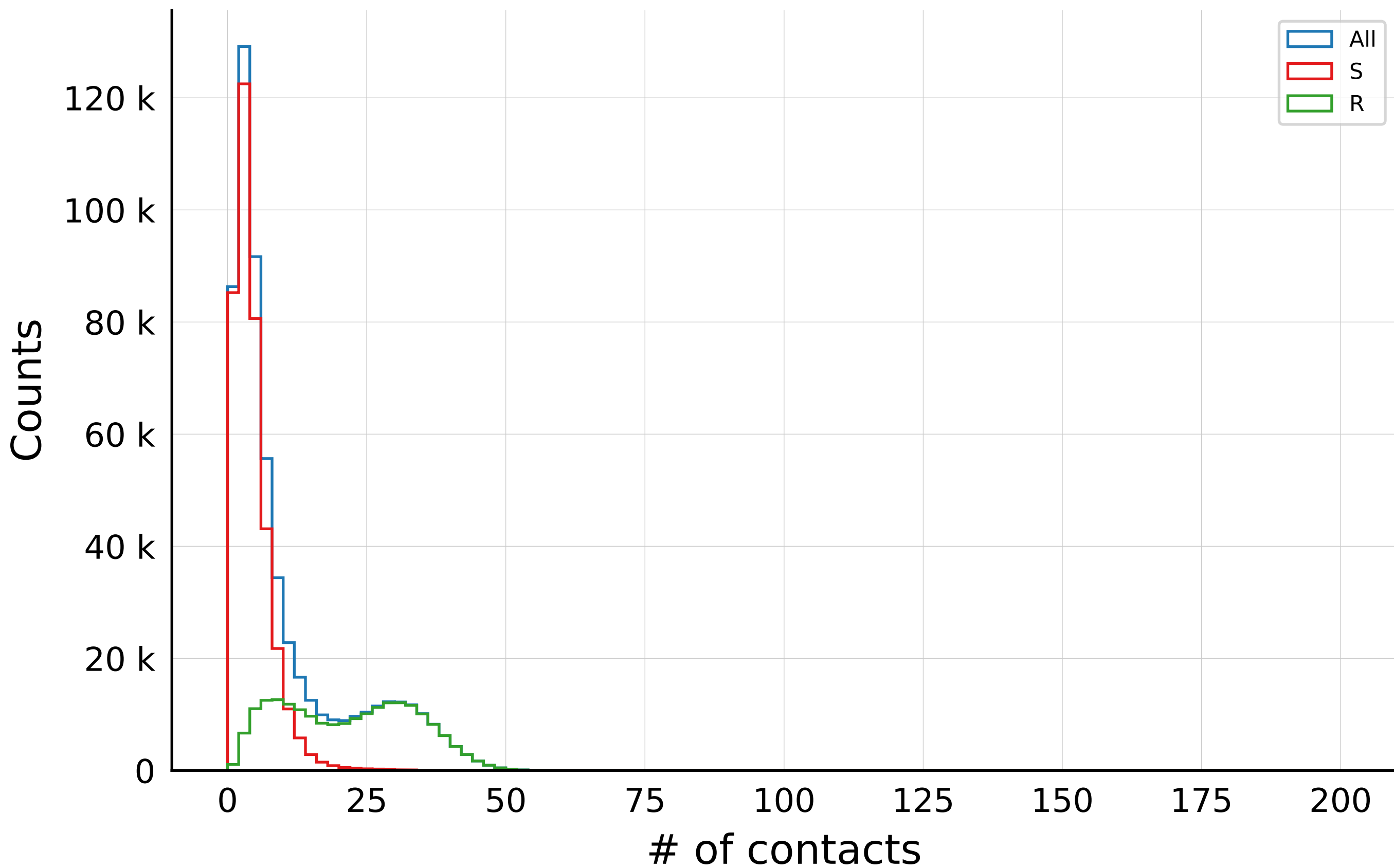
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 10.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.02$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



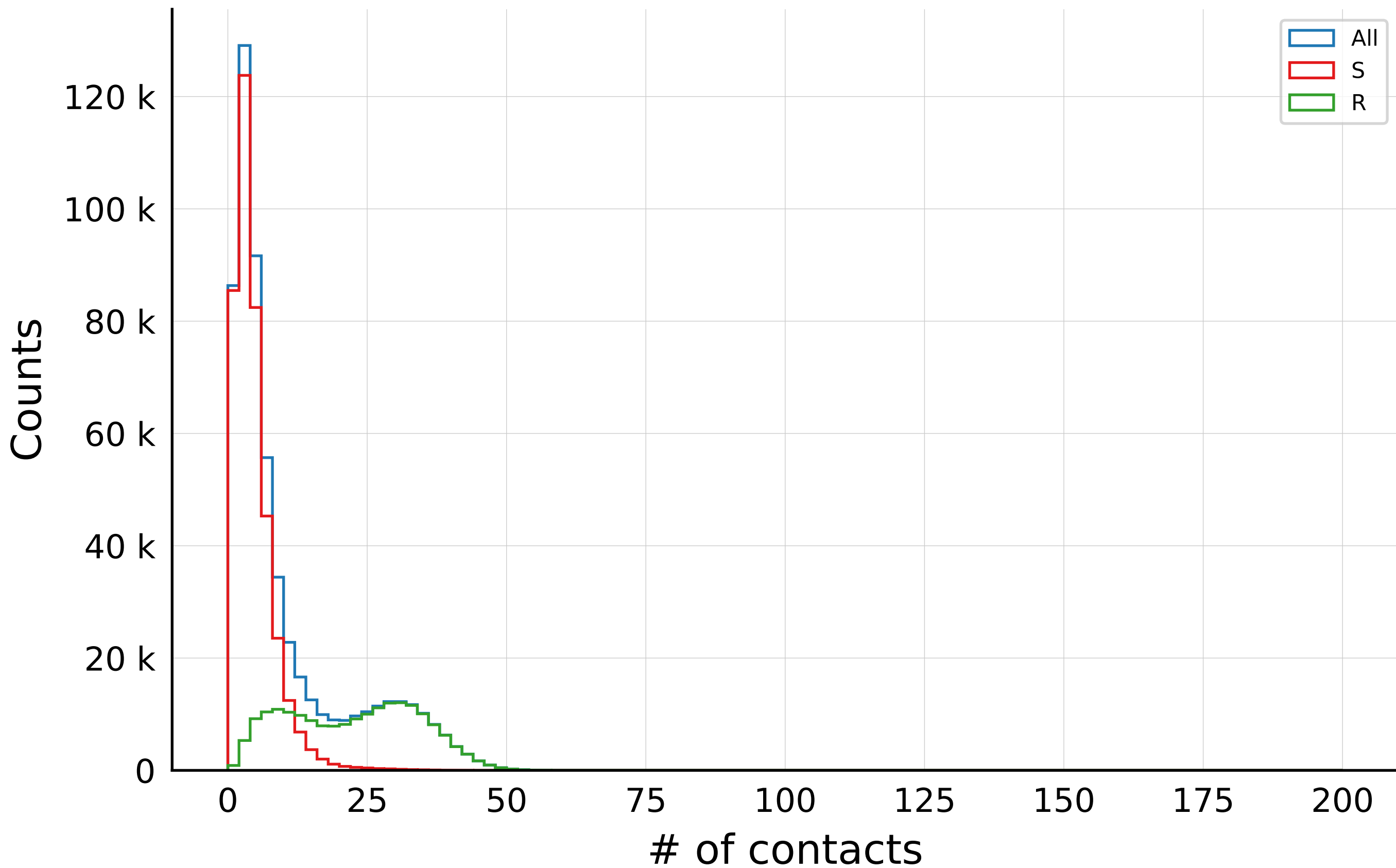
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 10.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.02$, $\sigma_{\beta} = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



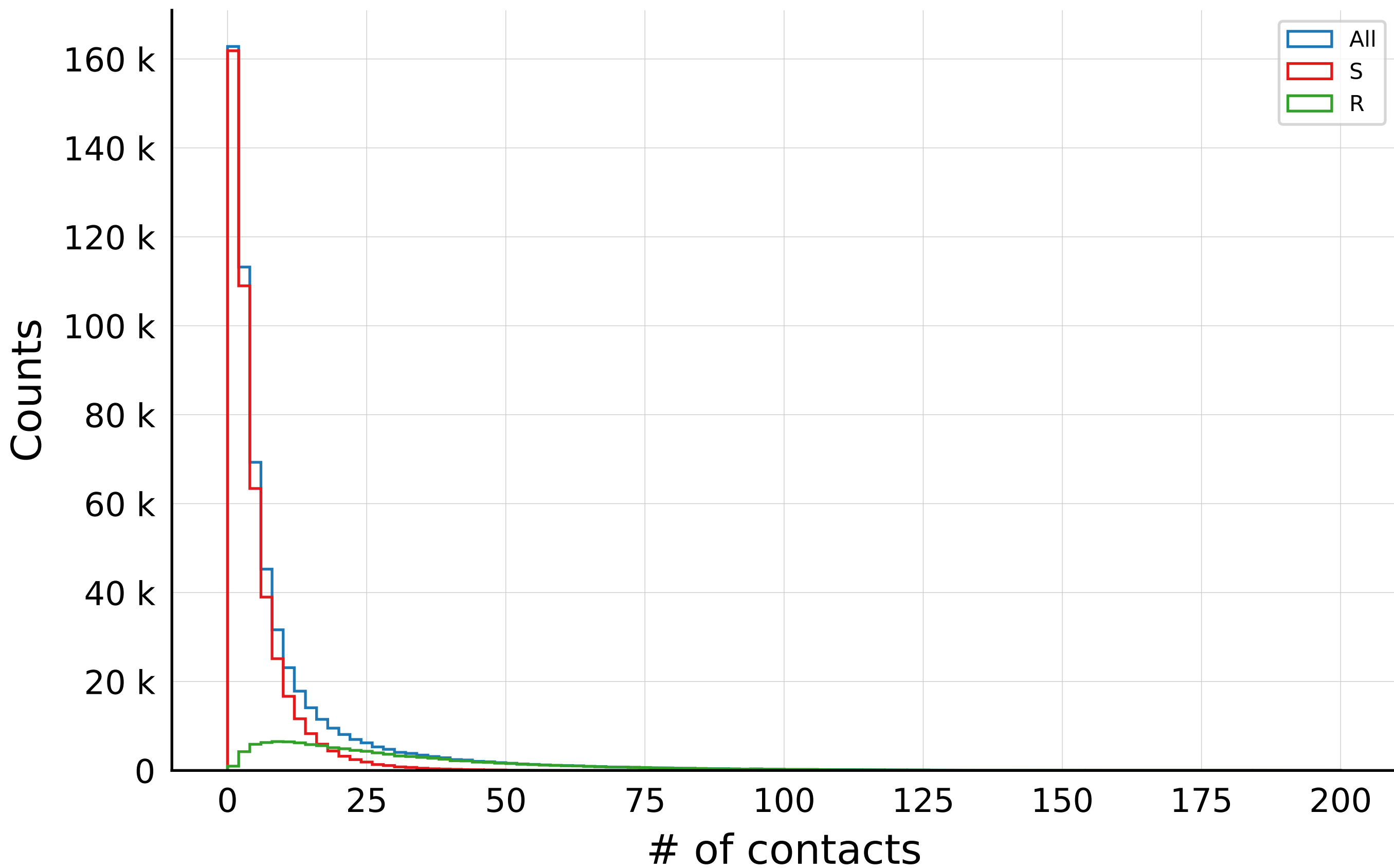
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 10.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.04$, $\sigma_{\beta} = 0.0$
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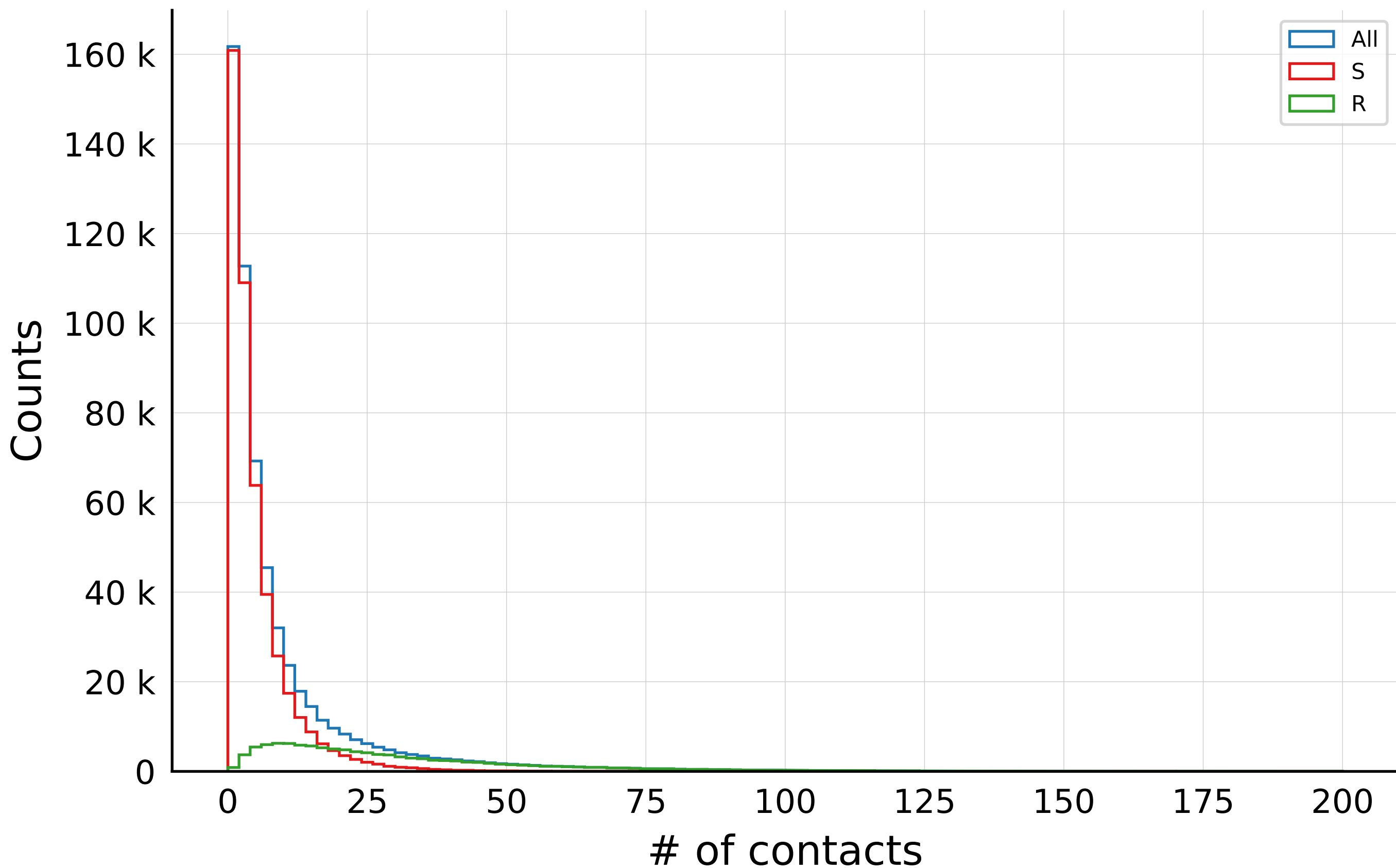
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 10.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.04$, $\sigma_{\beta} = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



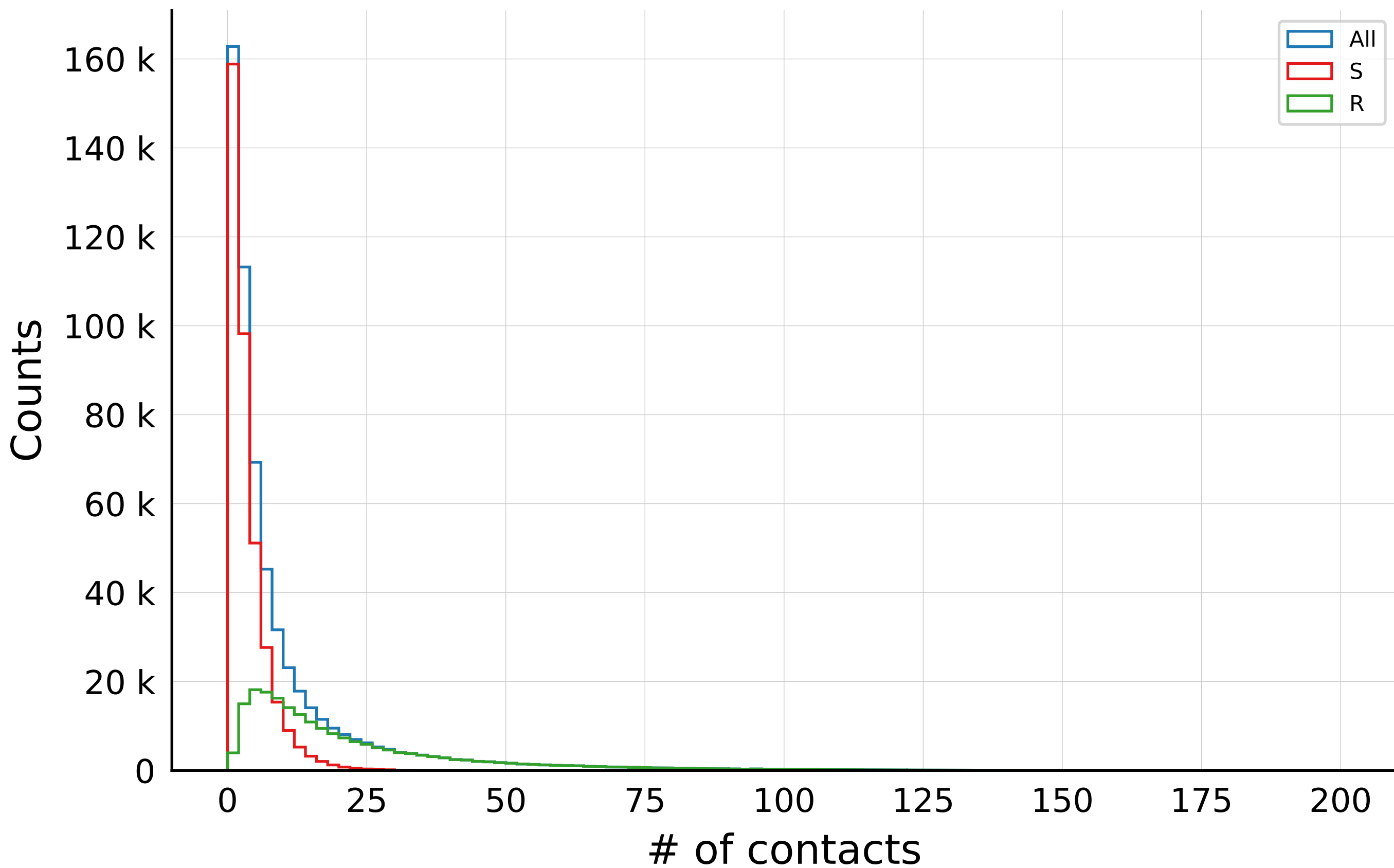
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 10.0$, $\sigma_{\mu} = 1.0$, $\beta = 0.02$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



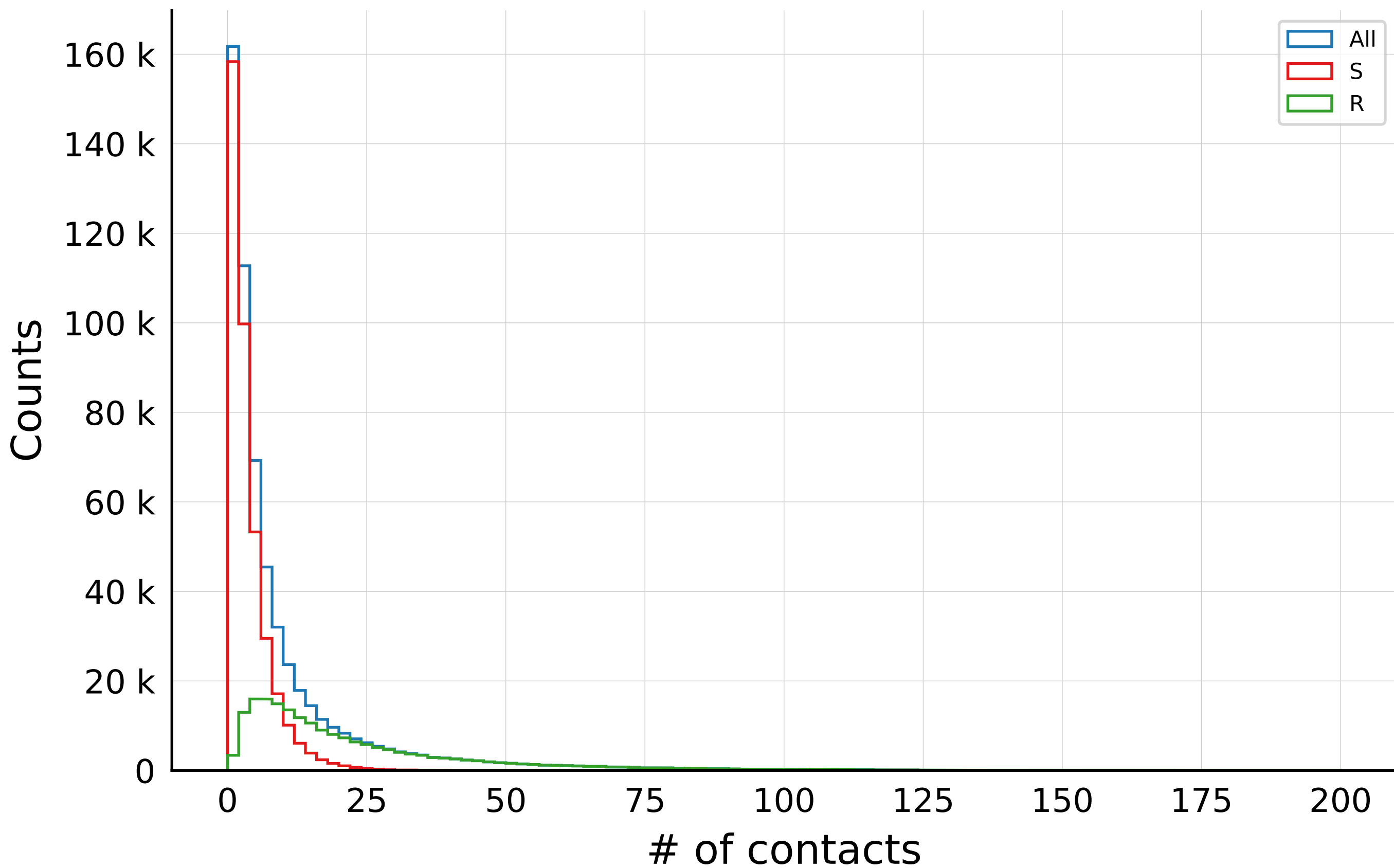
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 10.0$, $\sigma_{\mu} = 1.0$, $\beta = 0.02$, $\sigma_{\beta} = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



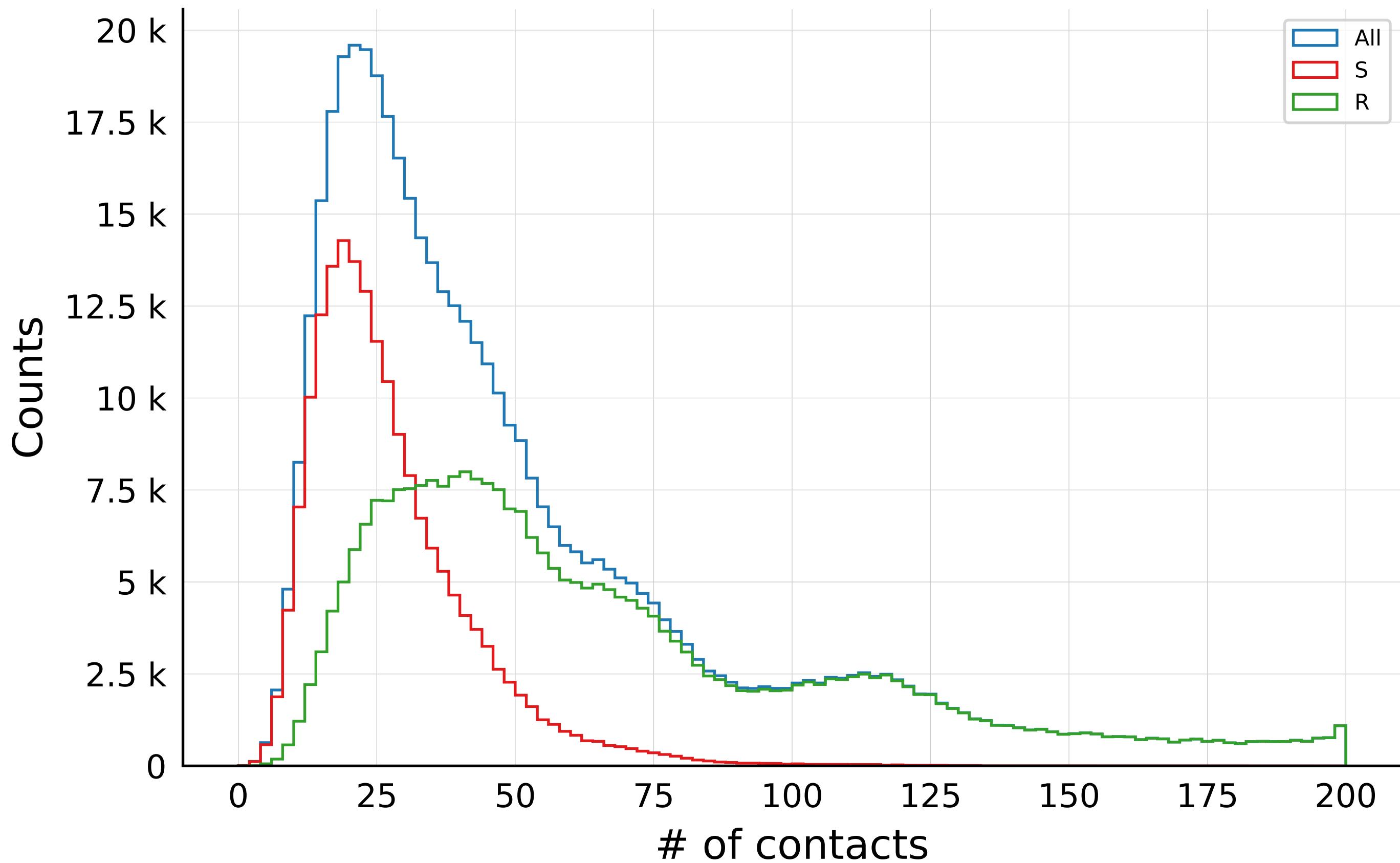
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 10.0$, $\sigma_{\mu} = 1.0$, $\beta = 0.04$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



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

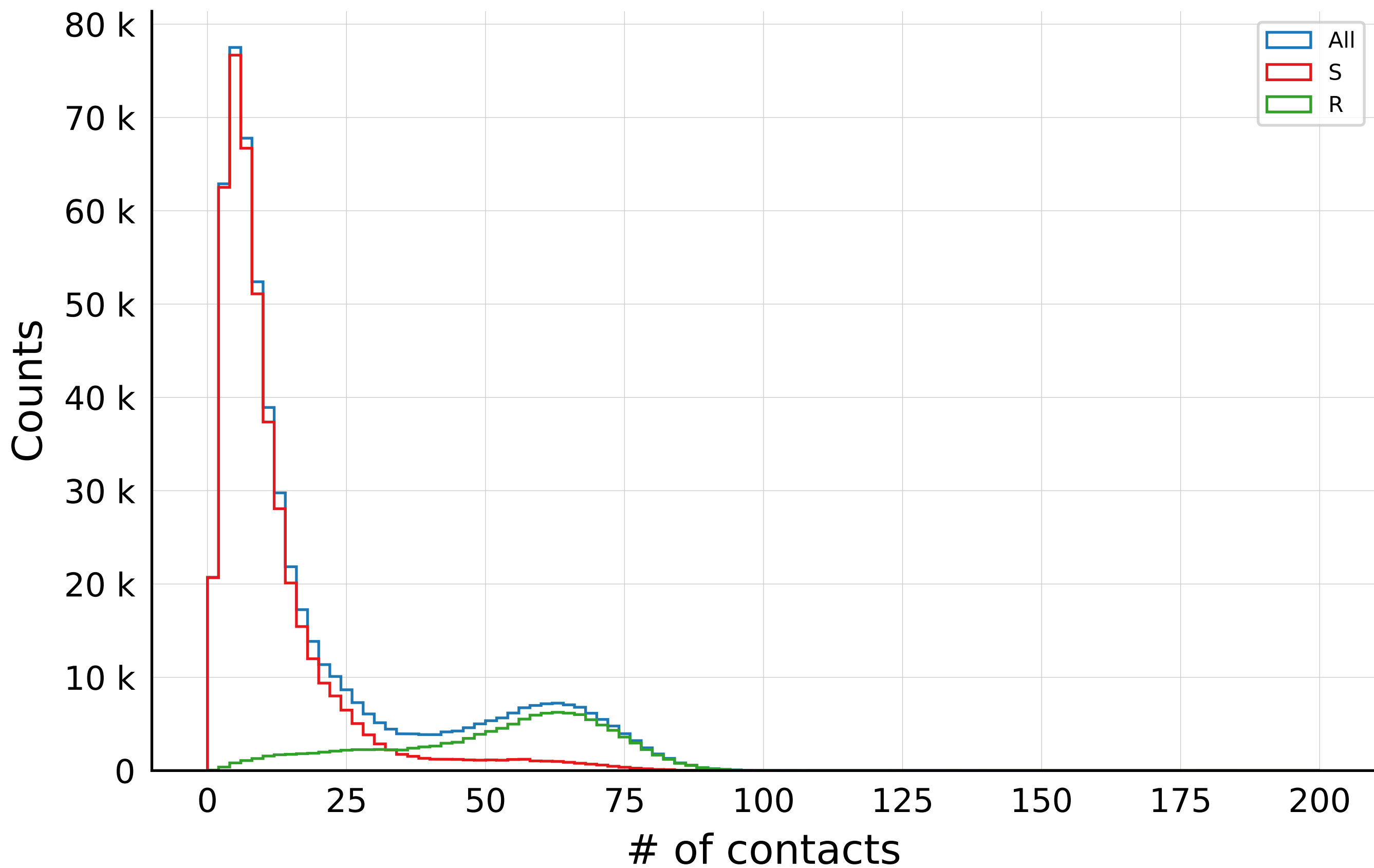


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 100.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$

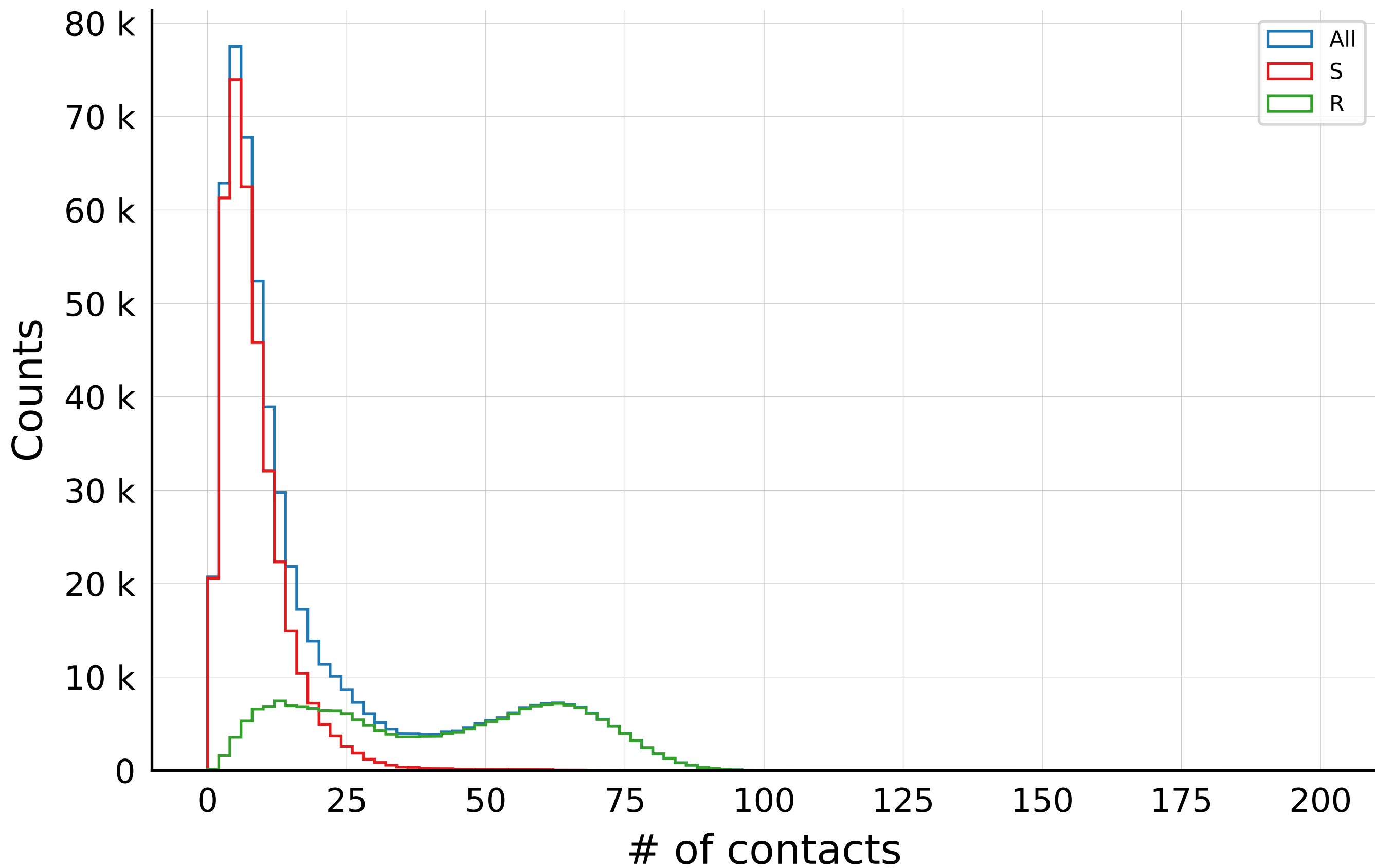


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 20.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$

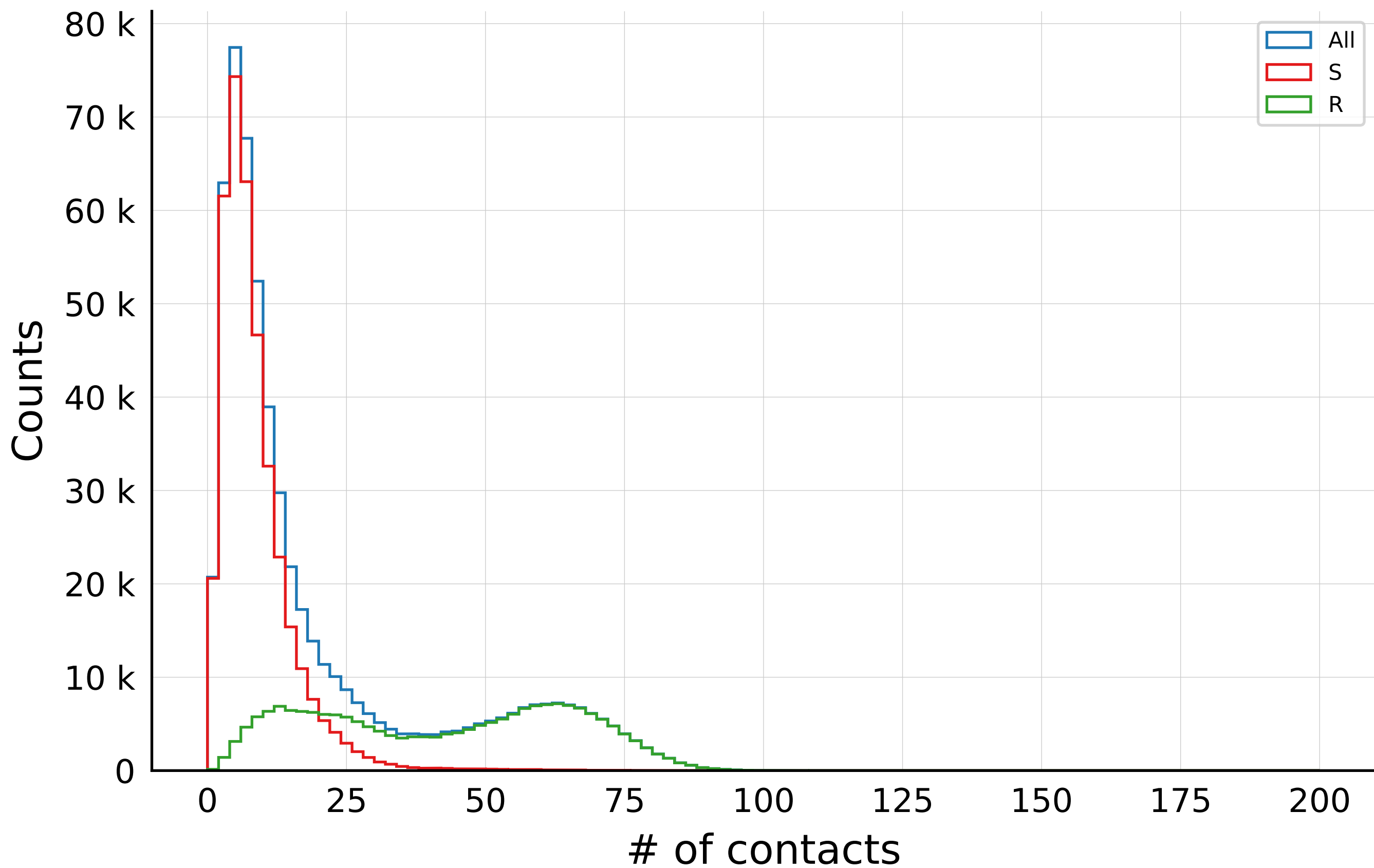
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



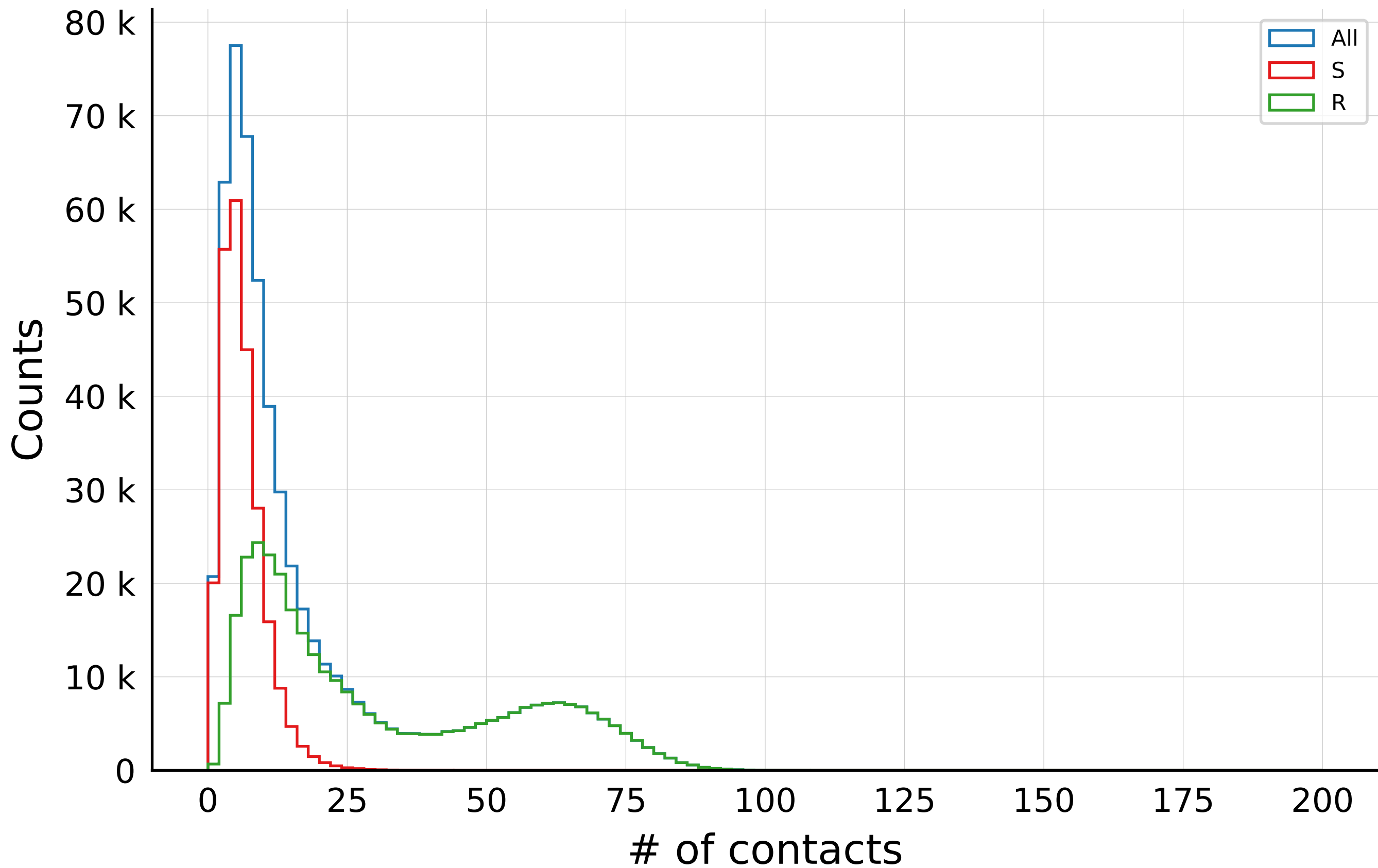
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 20.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.02$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



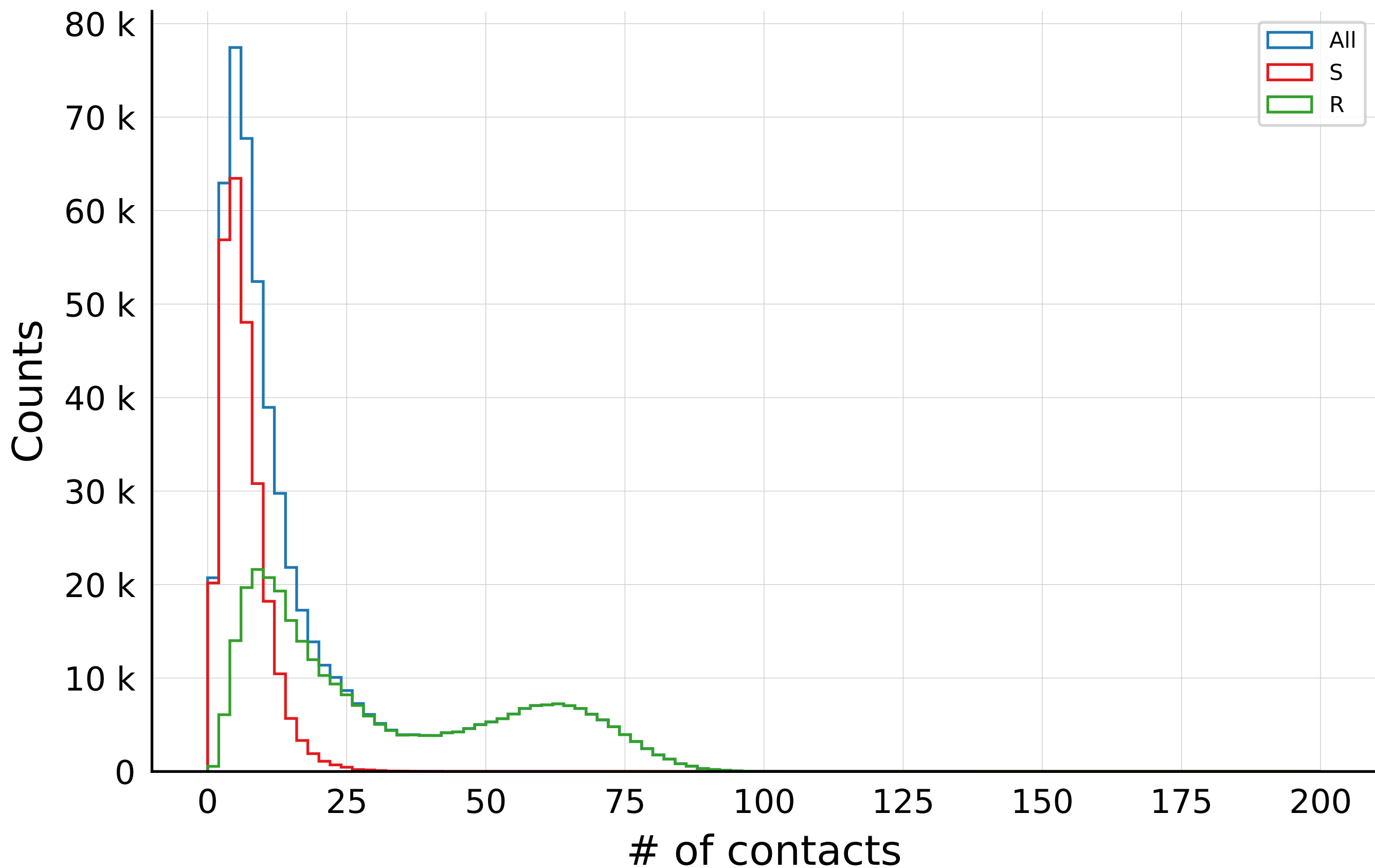
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 20.0, \sigma_{\mu} = 0.0, \beta = 0.02, \sigma_{\beta} = 1.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



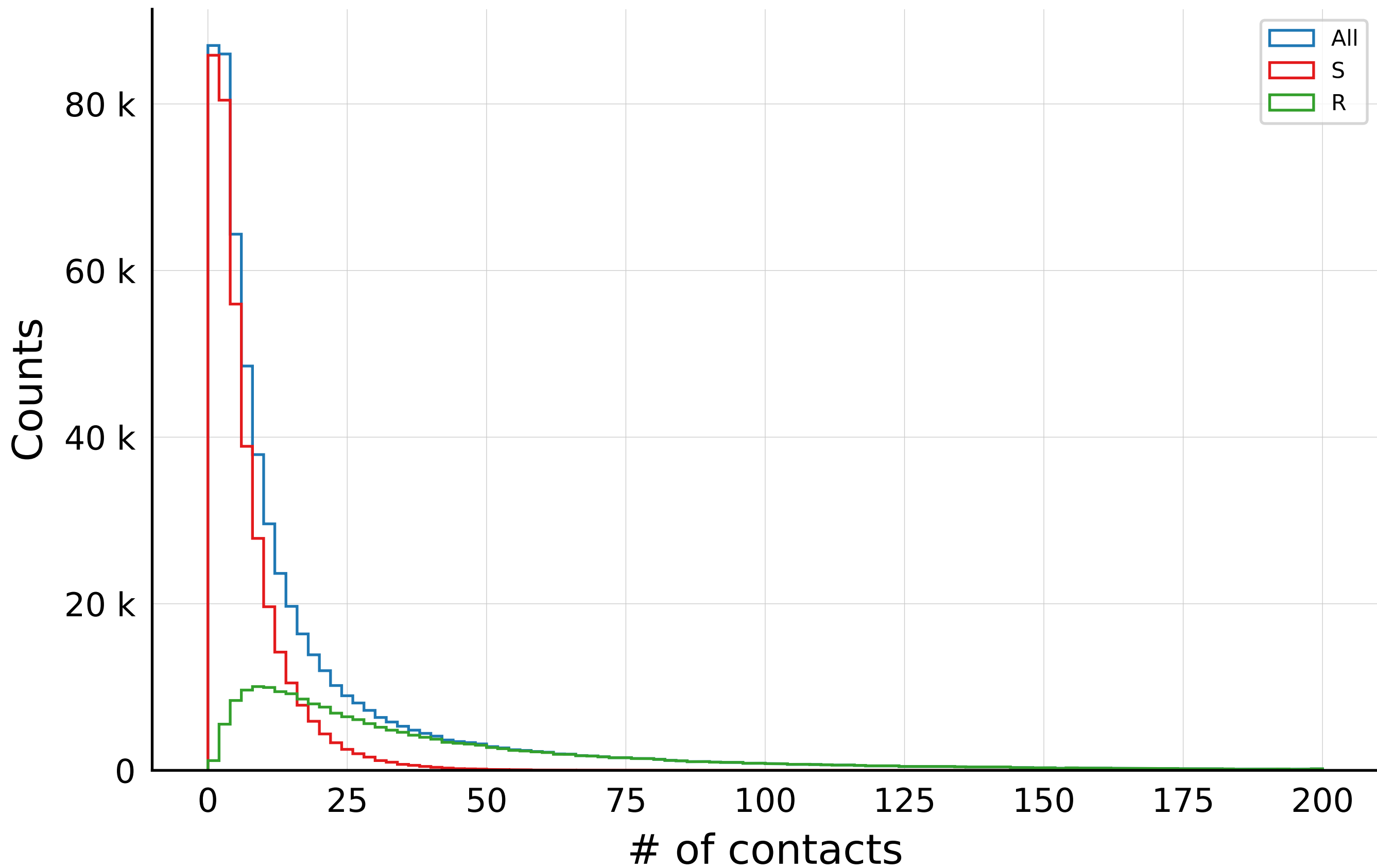
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 20.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.04$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



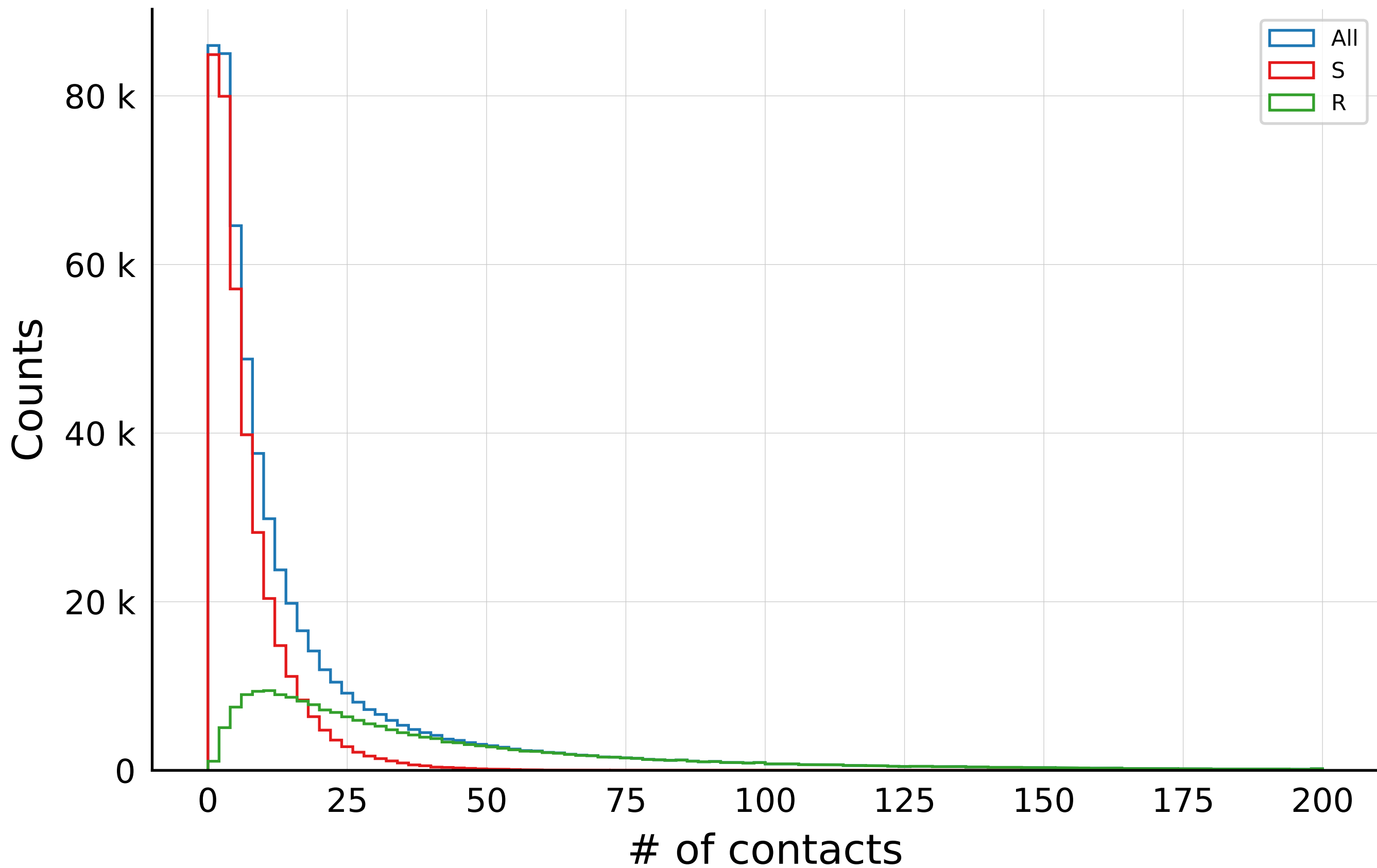
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 20.0, \sigma_{\mu} = 0.0, \beta = 0.04, \sigma_{\beta} = 1.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



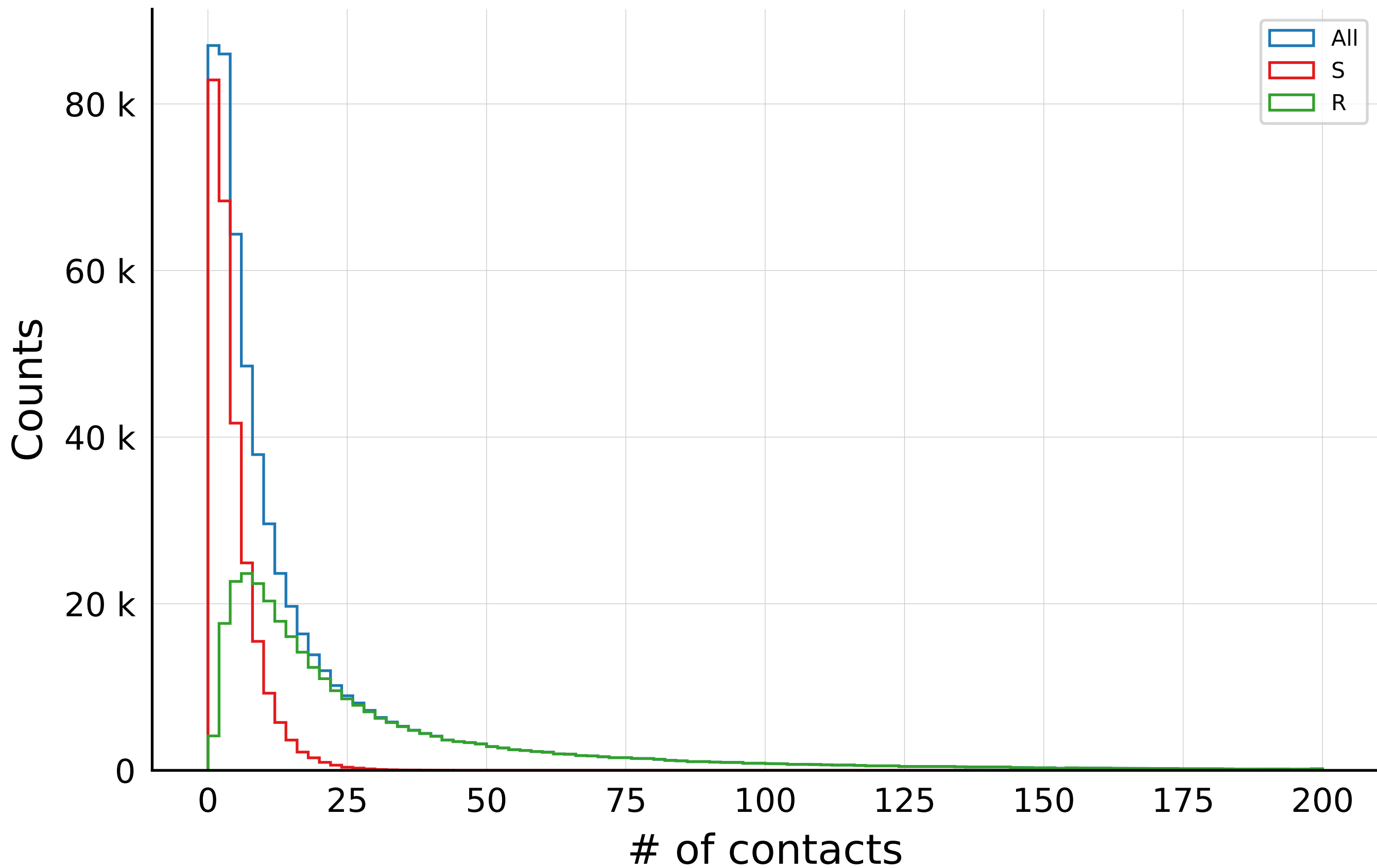
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 20.0$, $\sigma_{\mu} = 1.0$, $\beta = 0.02$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



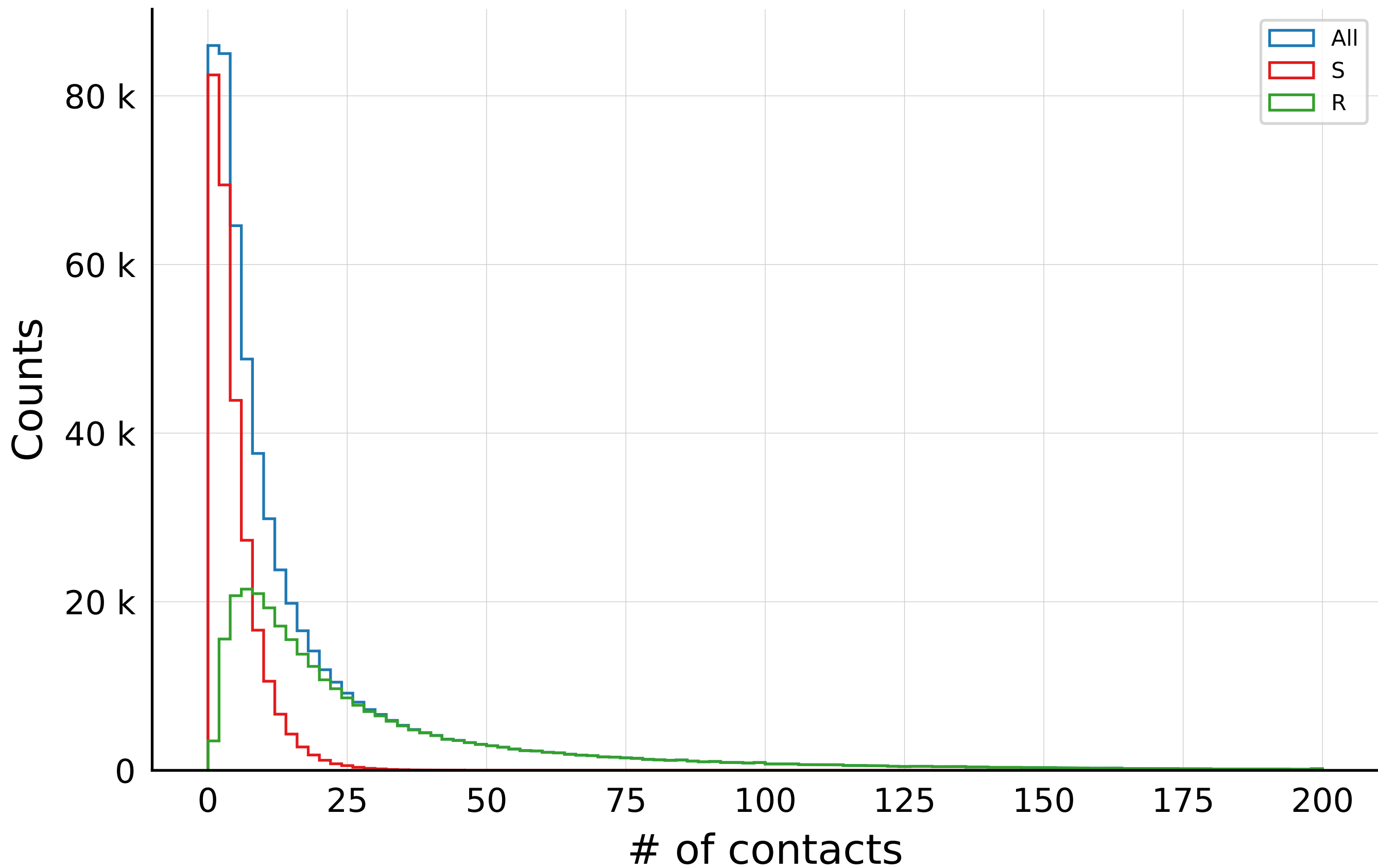
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 20.0$, $\sigma_{\mu} = 1.0$, $\beta = 0.02$, $\sigma_{\beta} = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



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

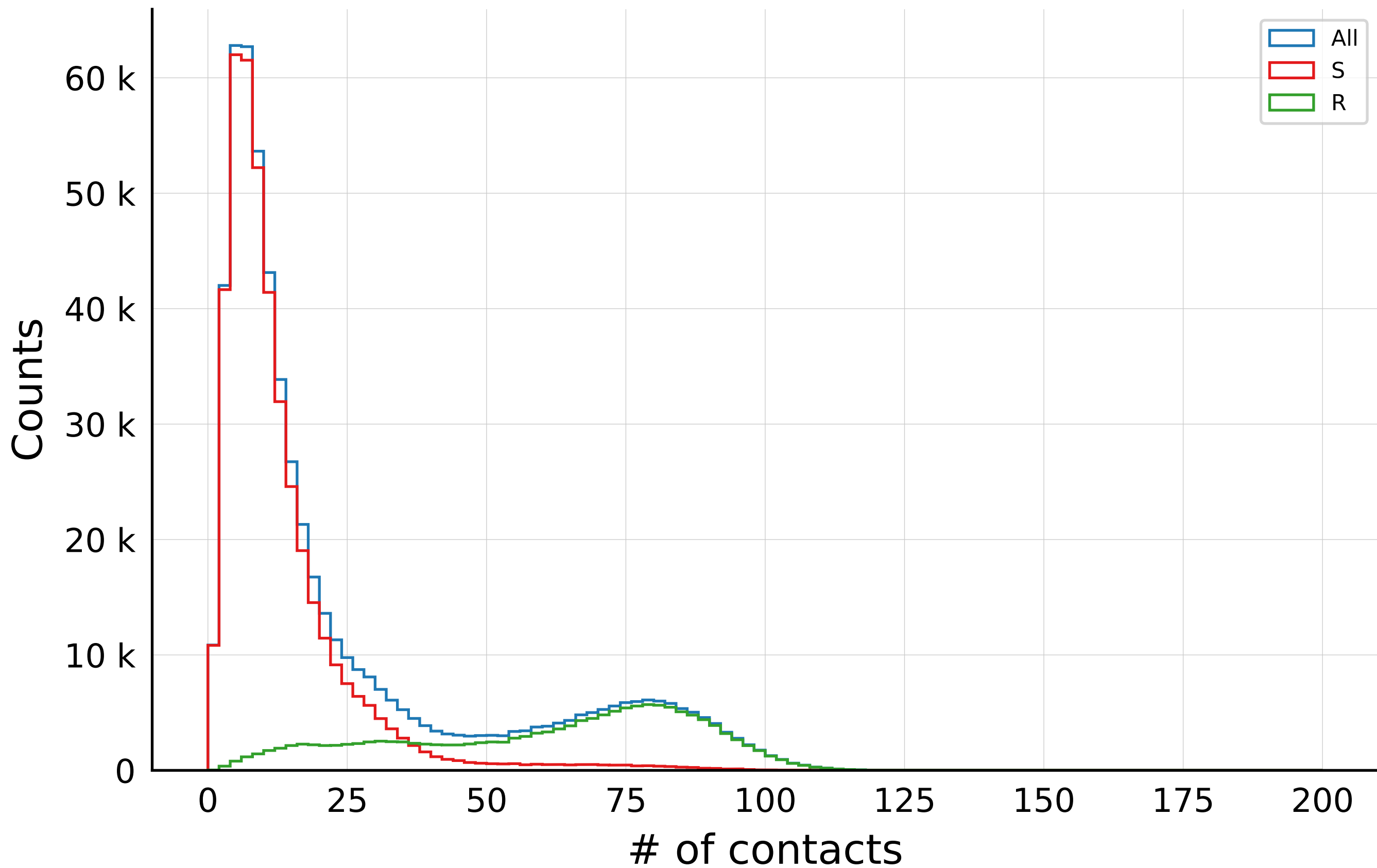


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 20.0$, $\sigma_{\mu} = 1.0$, $\beta = 0.04$, $\sigma_{\beta} = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$

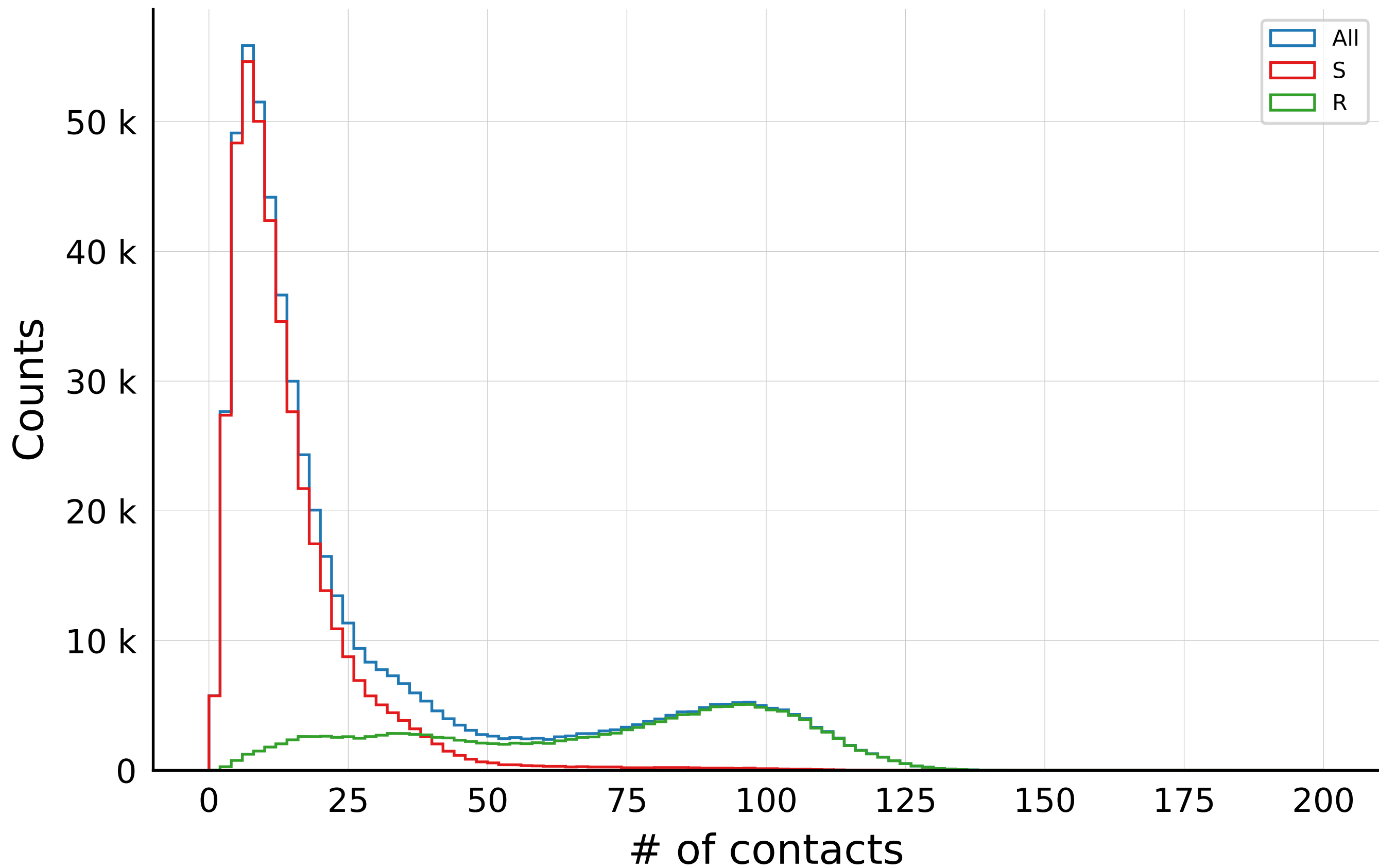


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 25.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$

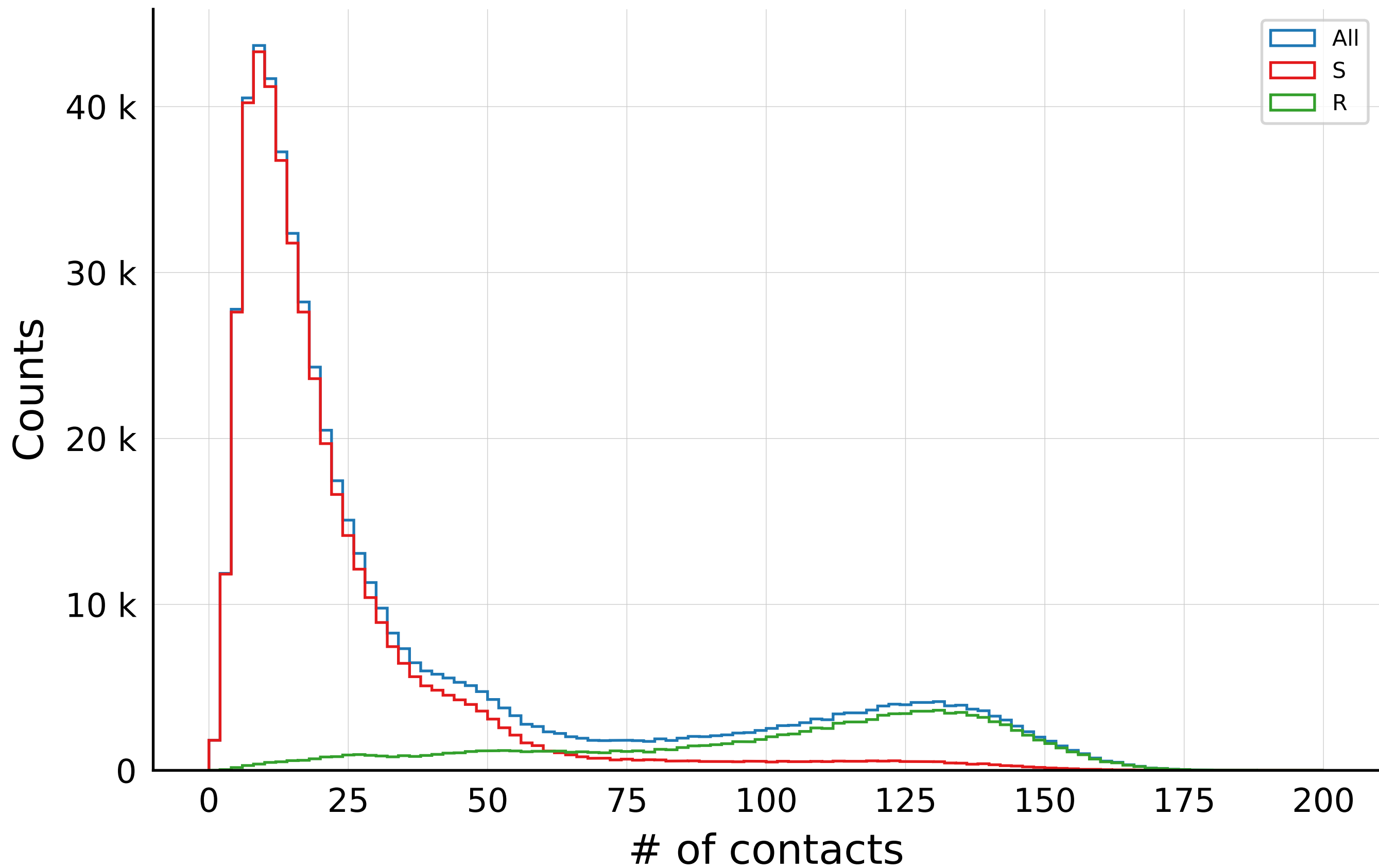
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



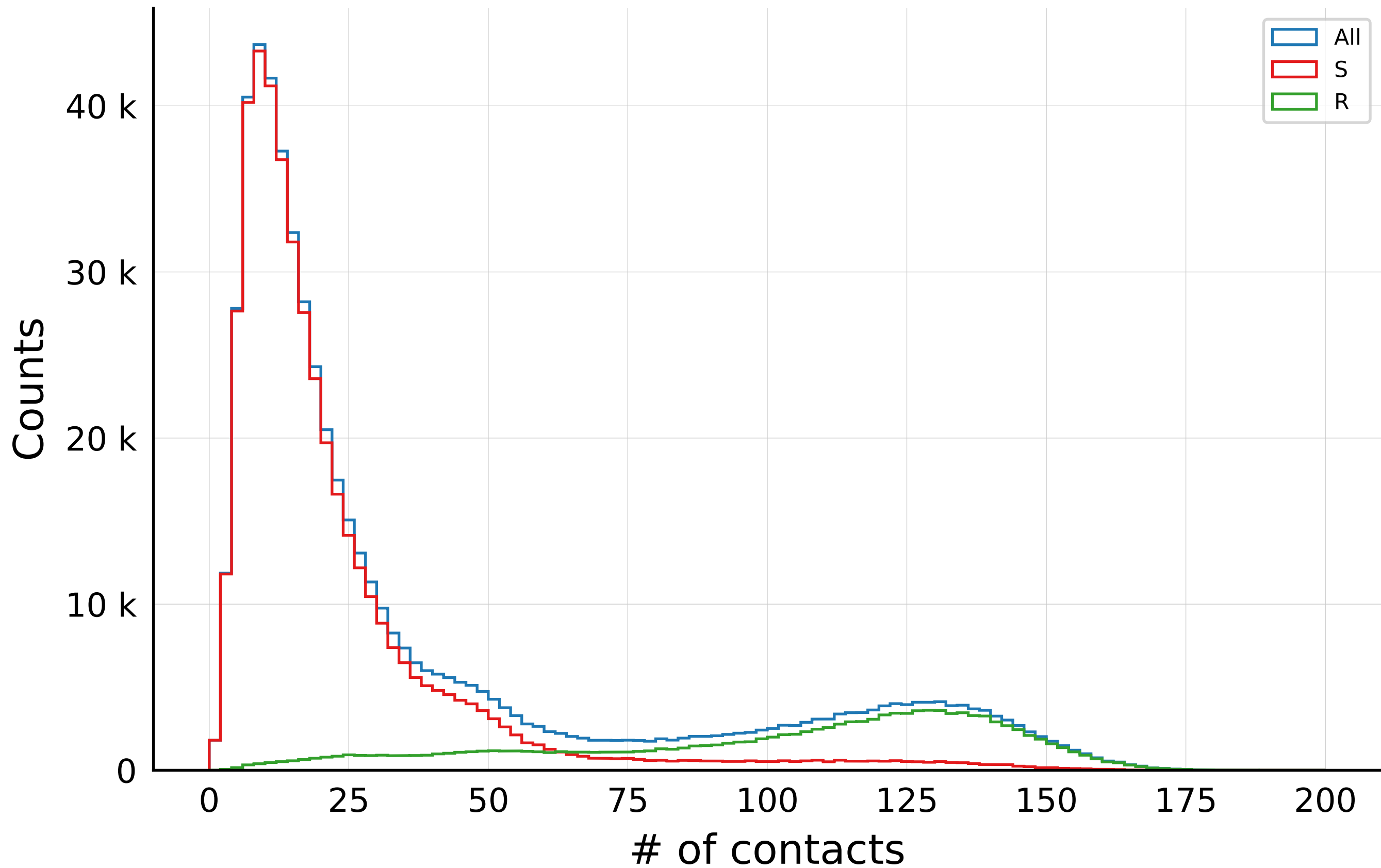
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 30.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



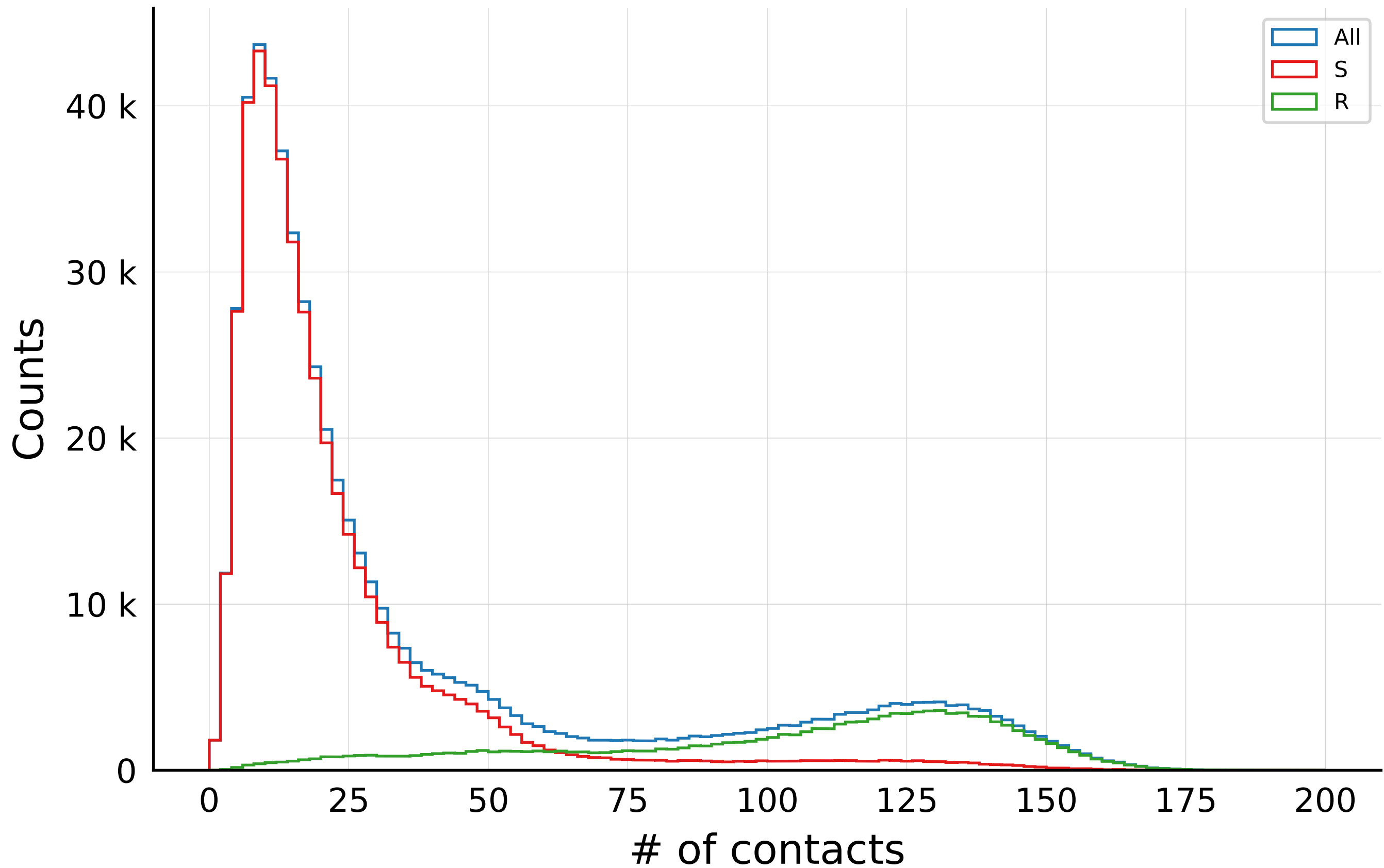
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.005, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.005, \sigma_{\beta} = 0.5$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

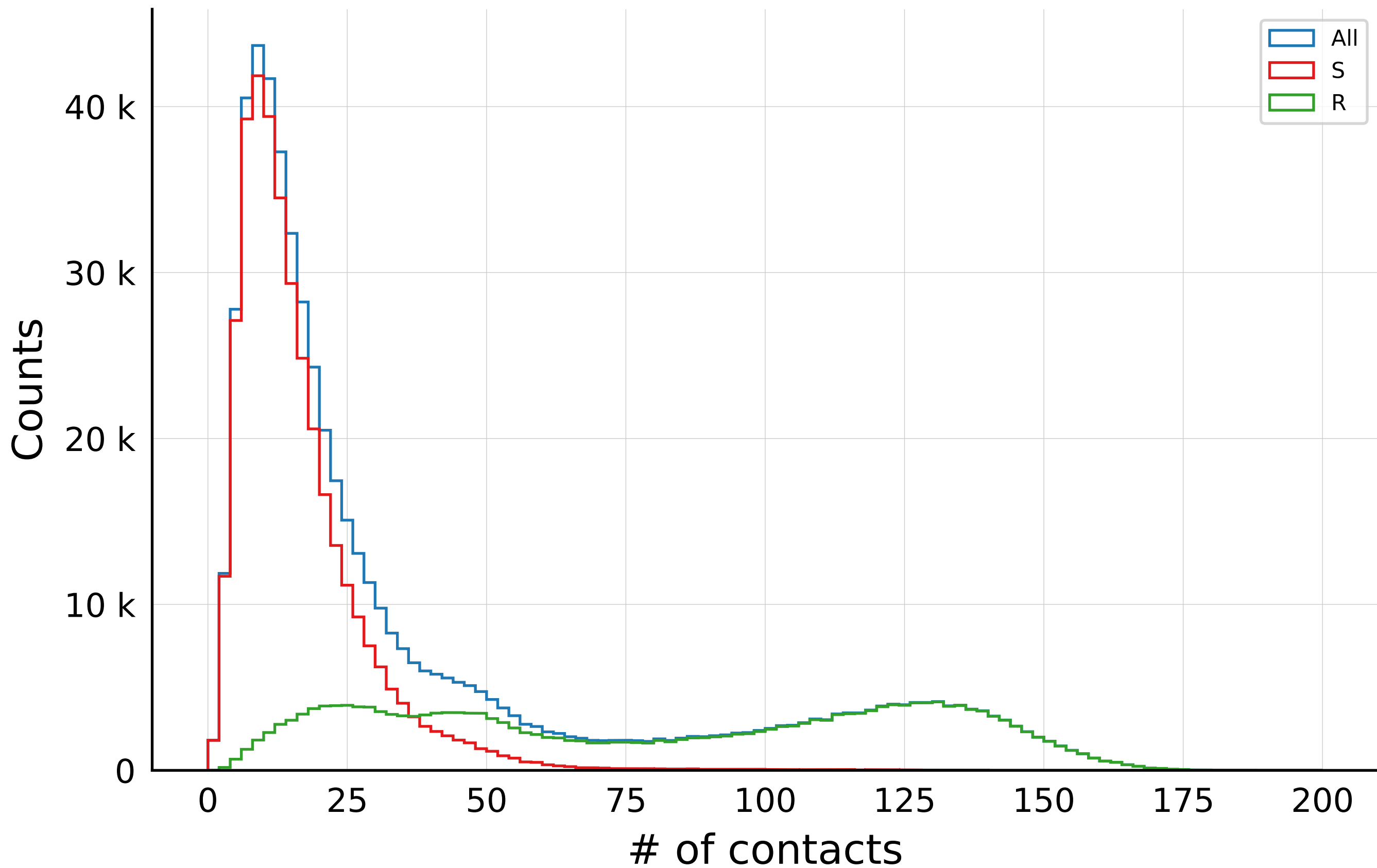


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.005, \sigma_{\beta} = 1.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



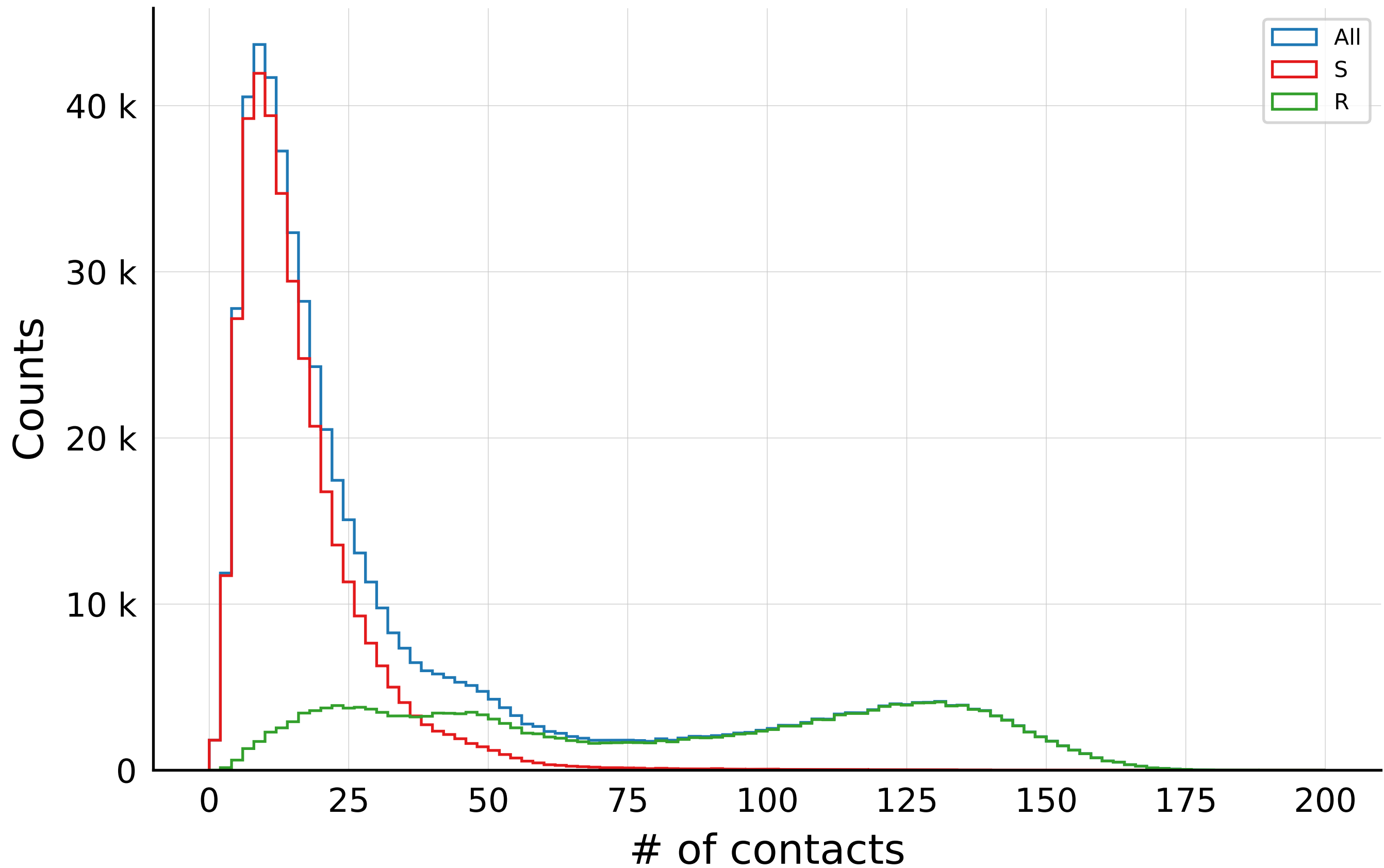
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$

$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



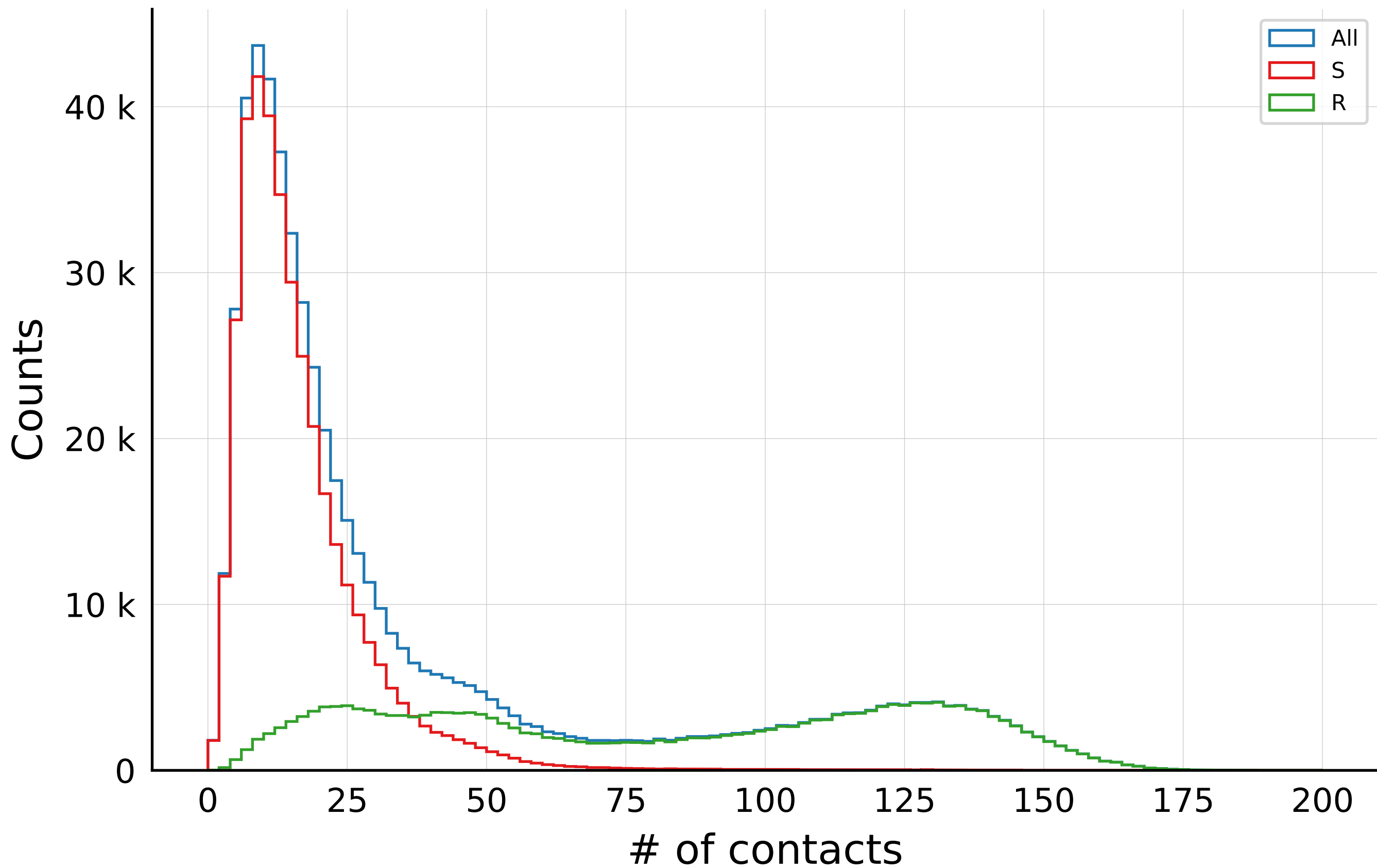
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.25$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



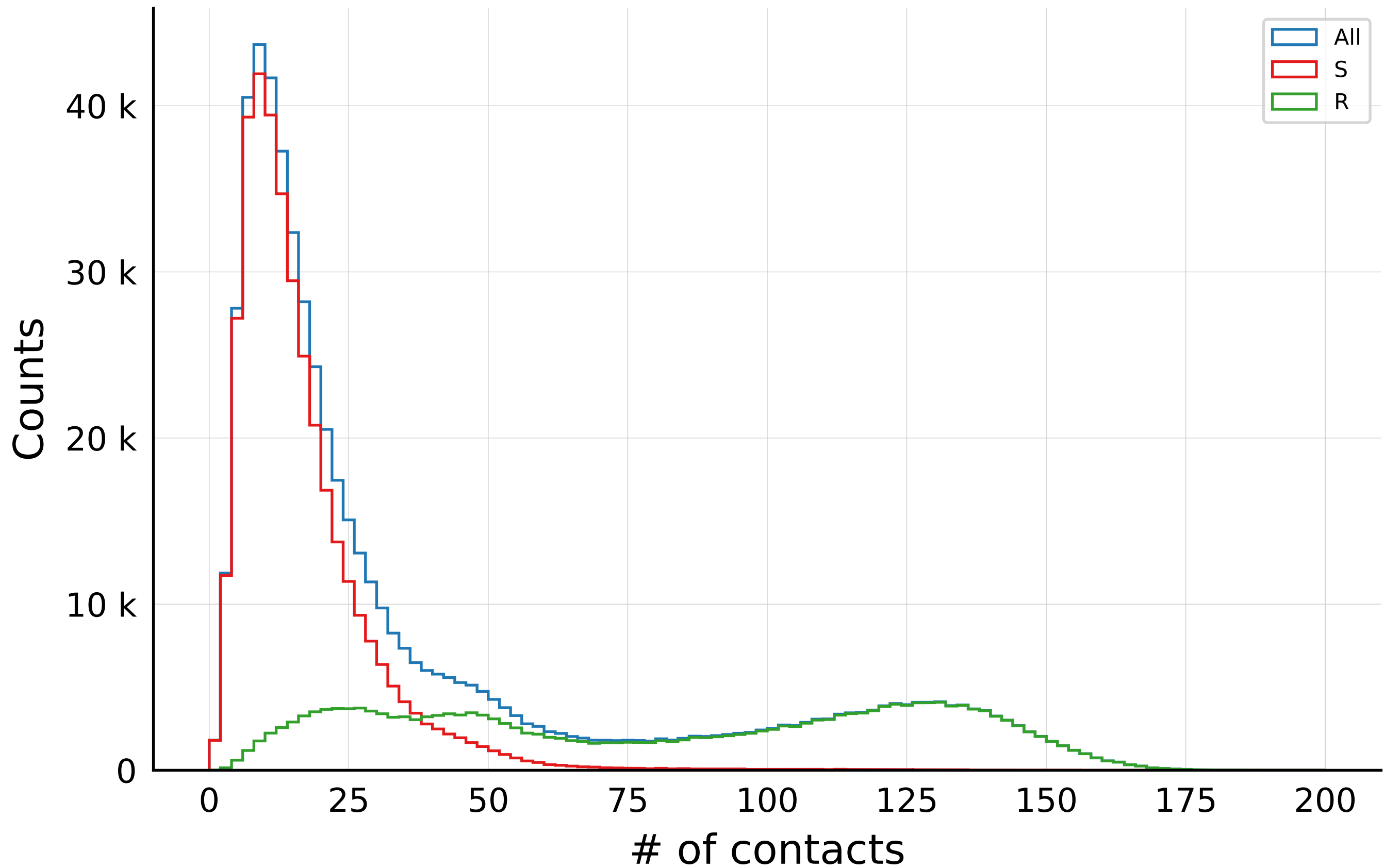
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.5$$

$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

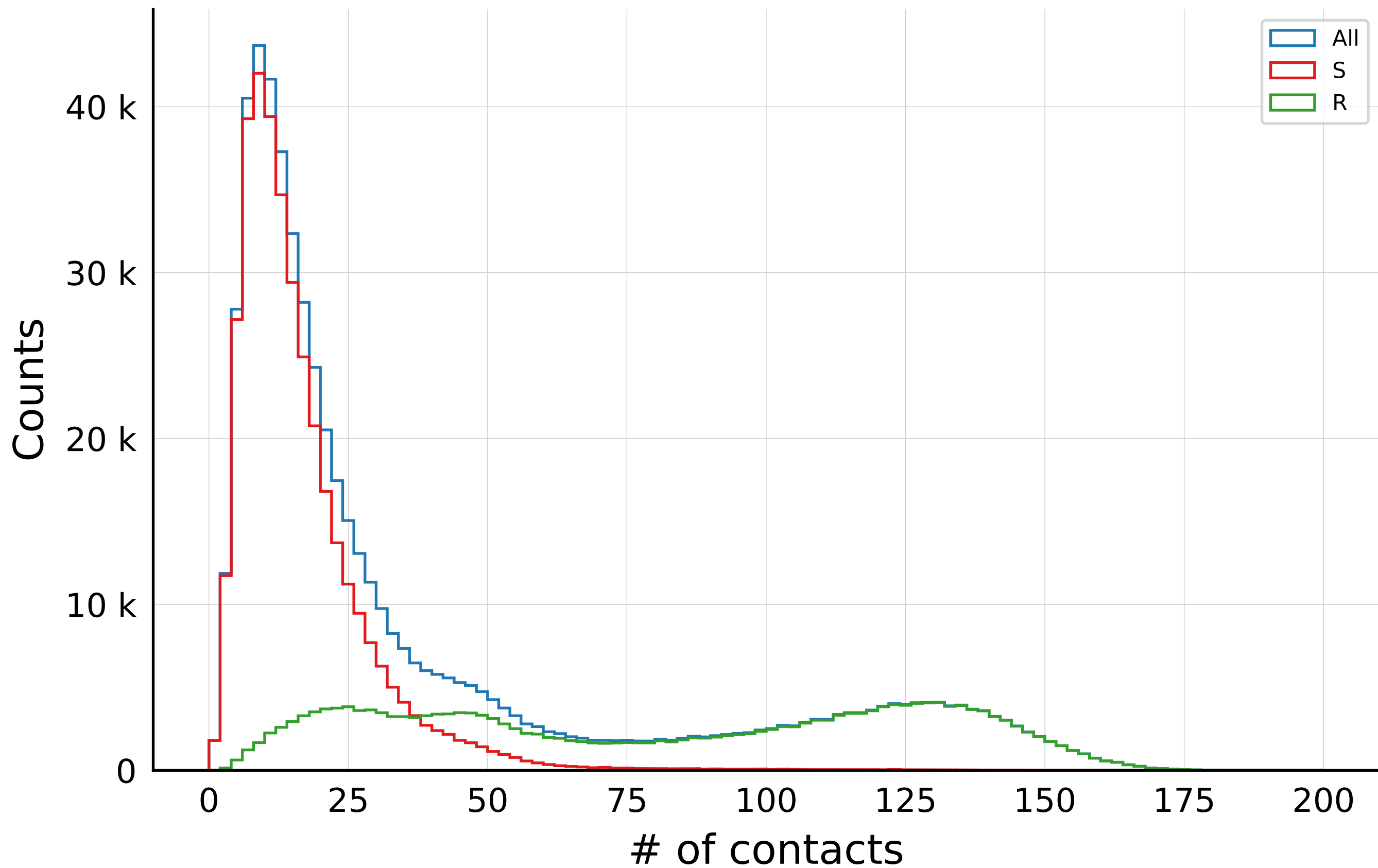


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.75$

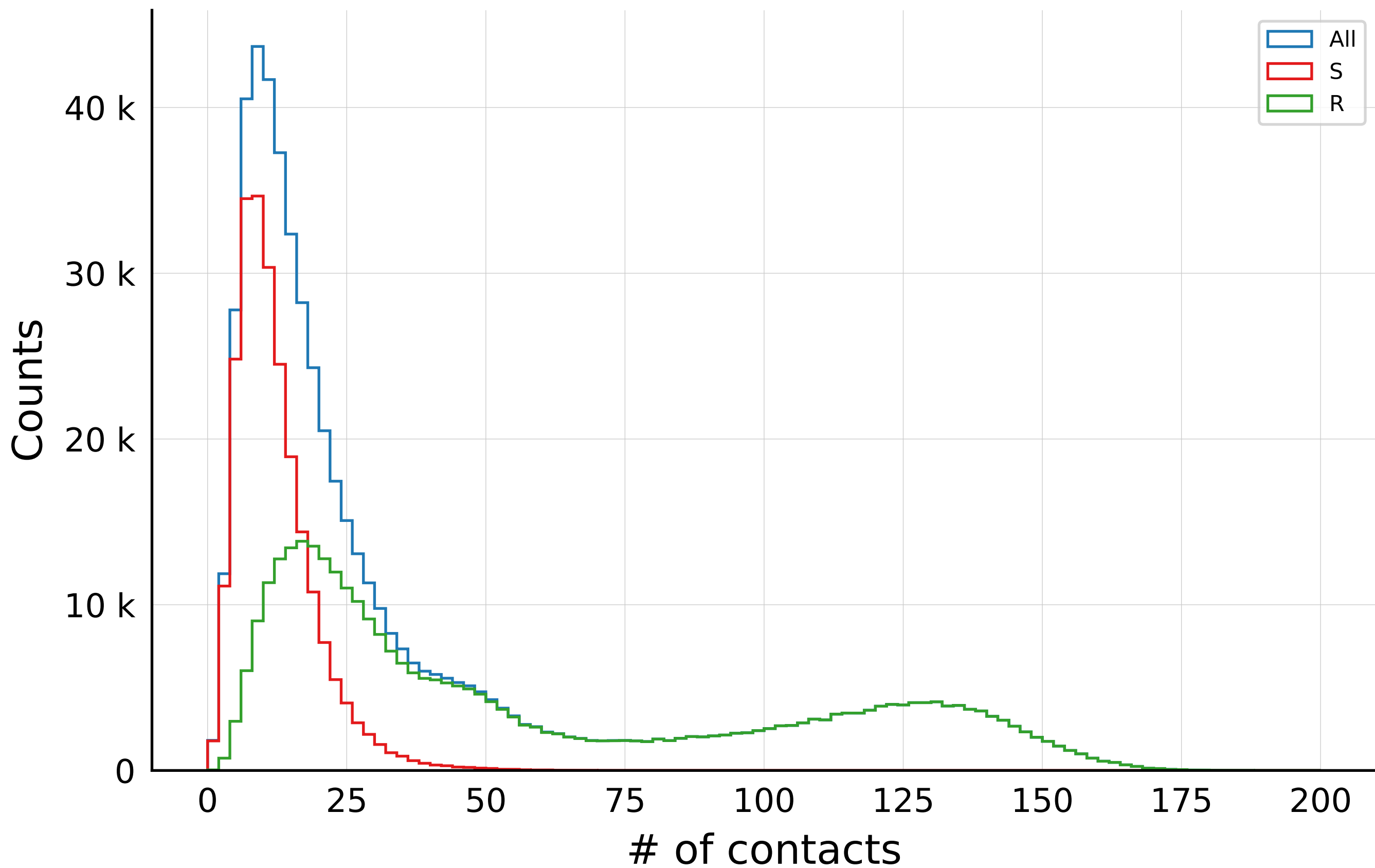
$\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



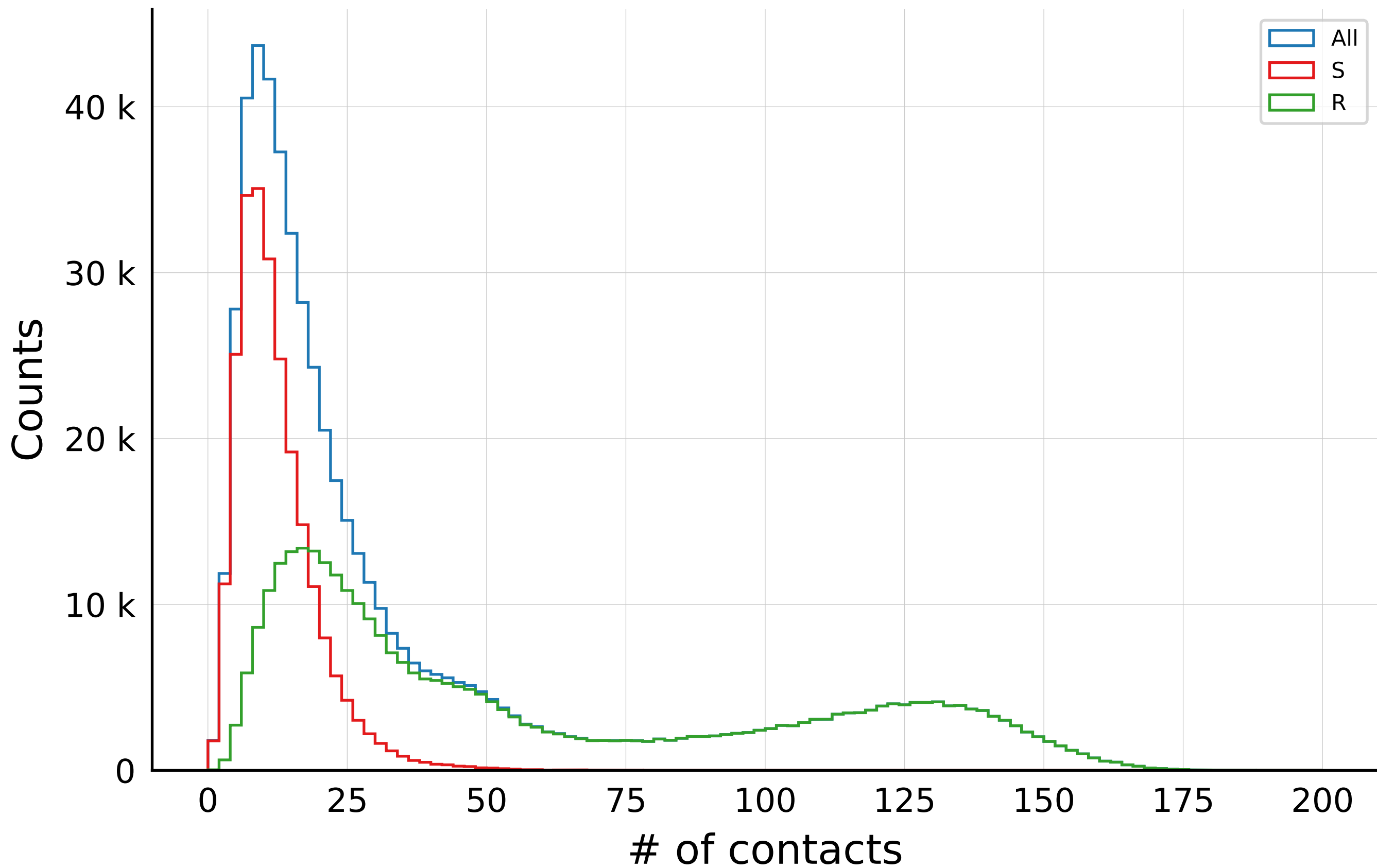
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 1.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



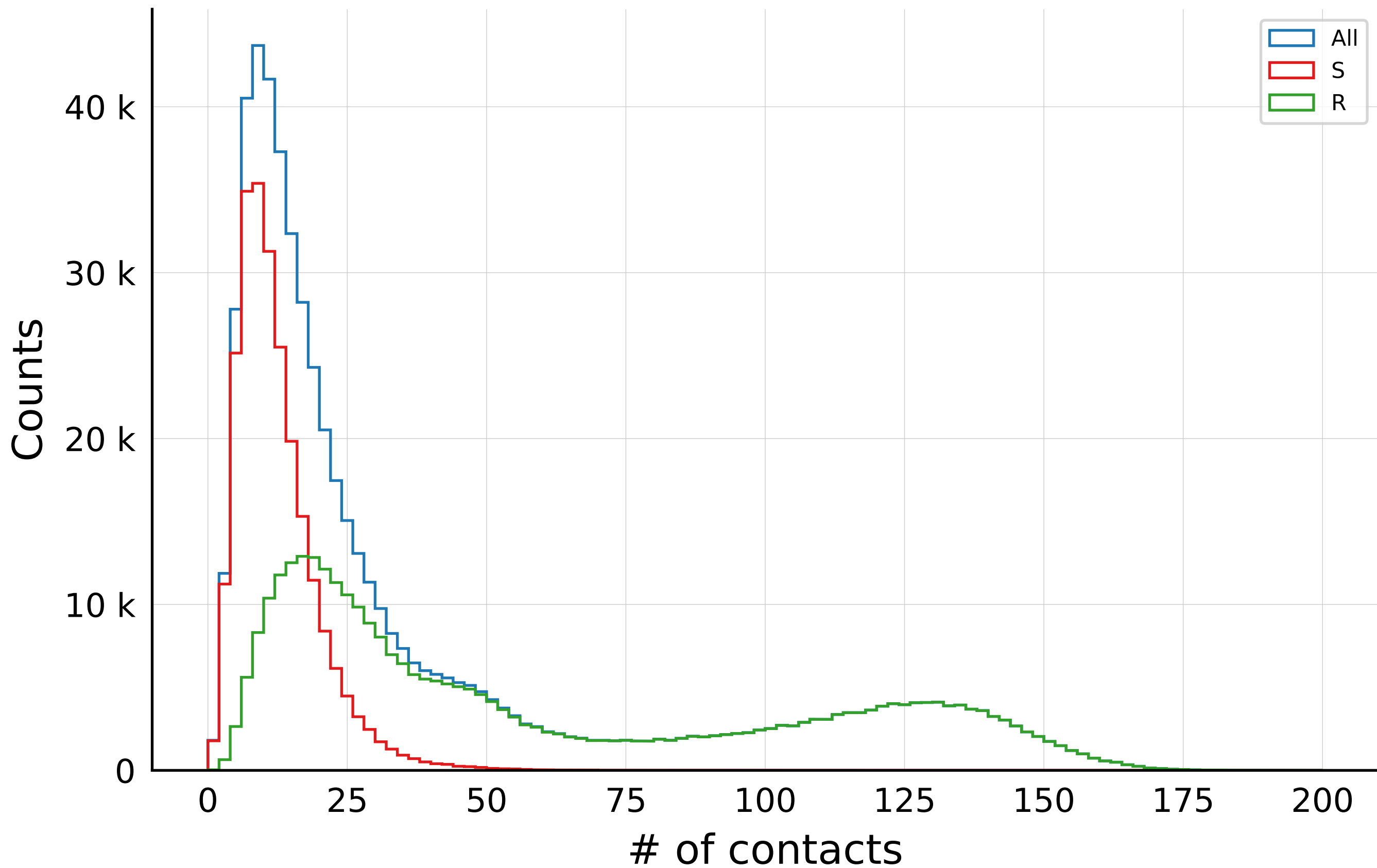
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.02, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



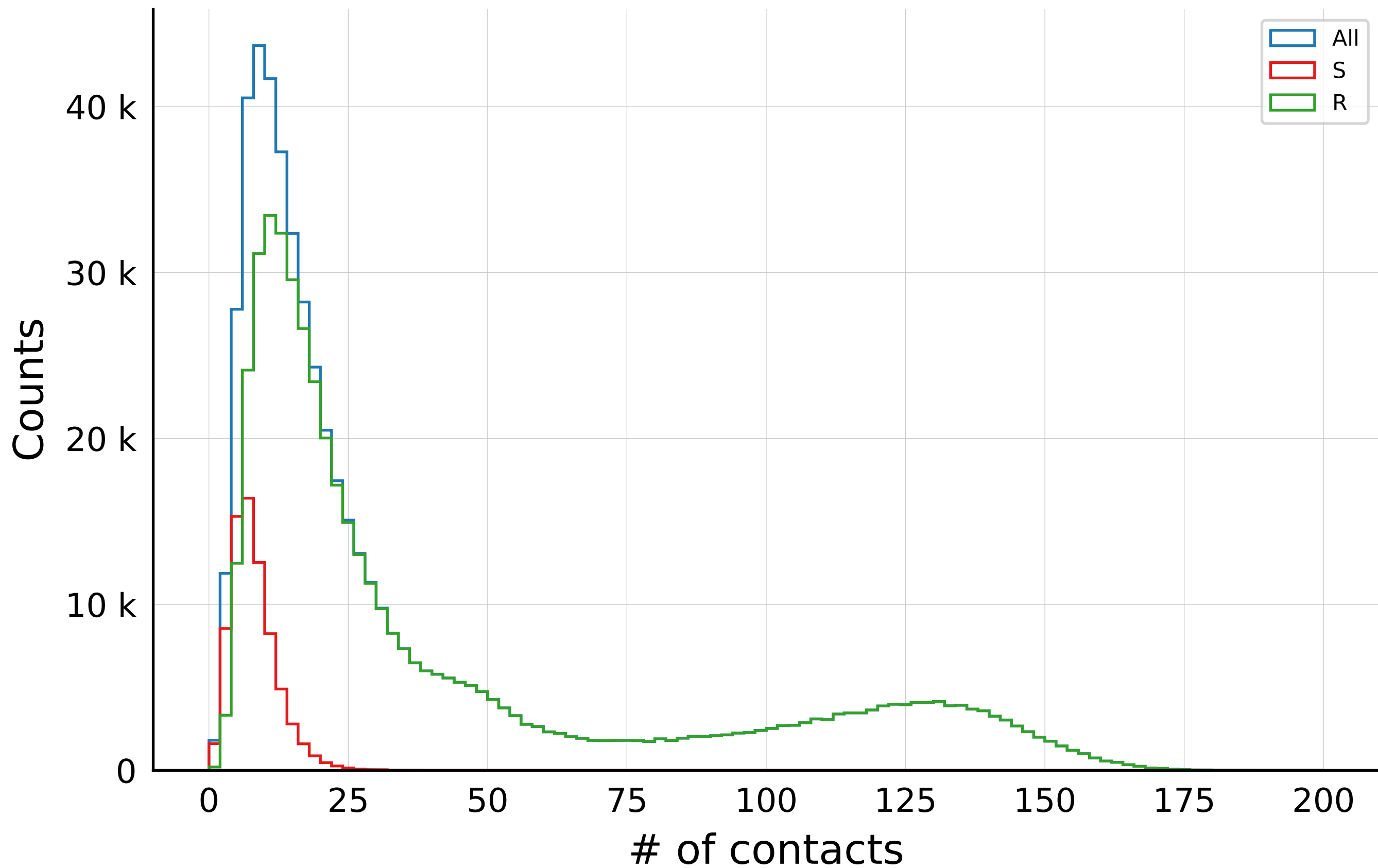
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.02, \sigma_{\beta} = 0.5$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



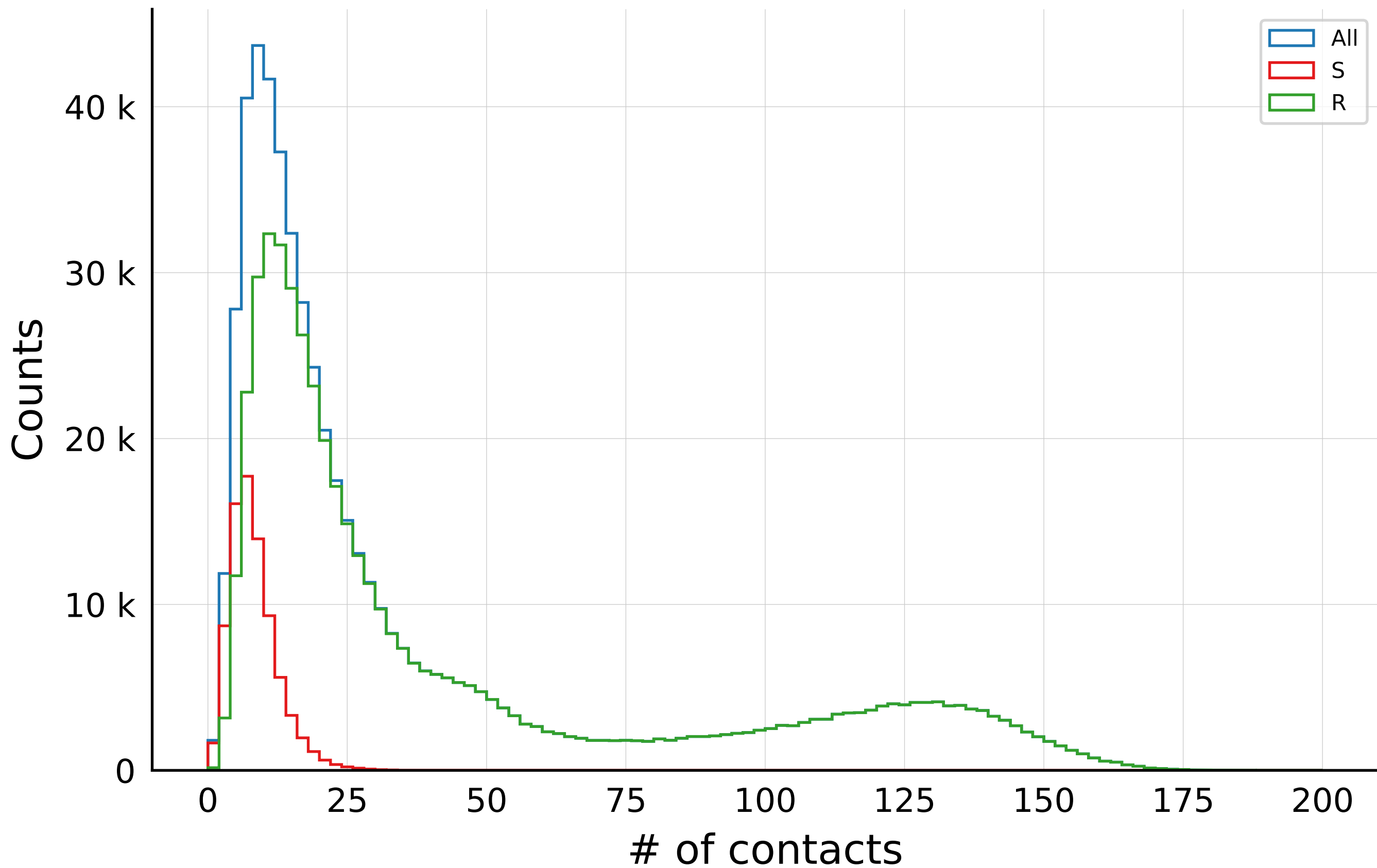
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.02, \sigma_{\beta} = 1.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



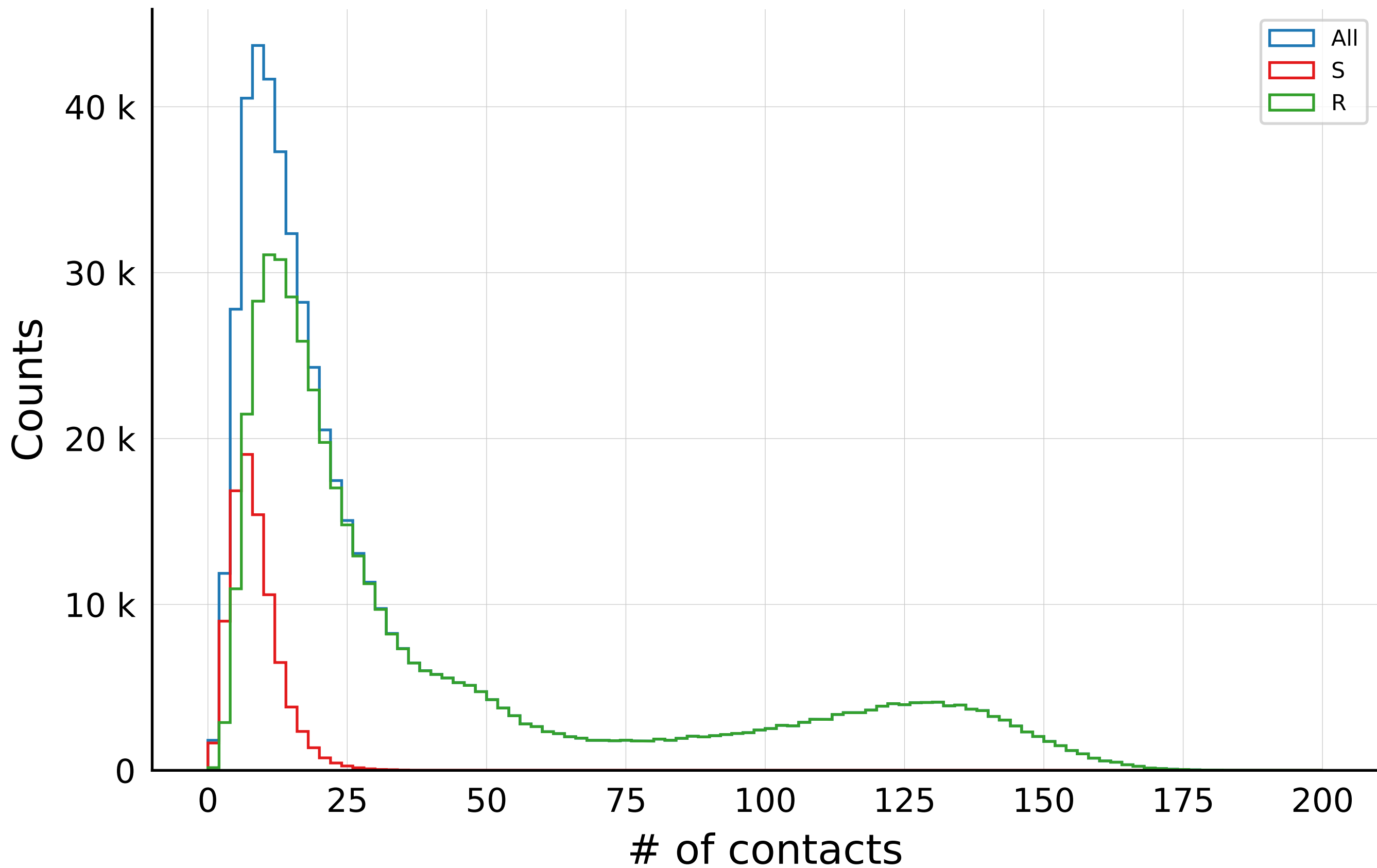
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.05$, $\sigma_{\beta} = 0.5$
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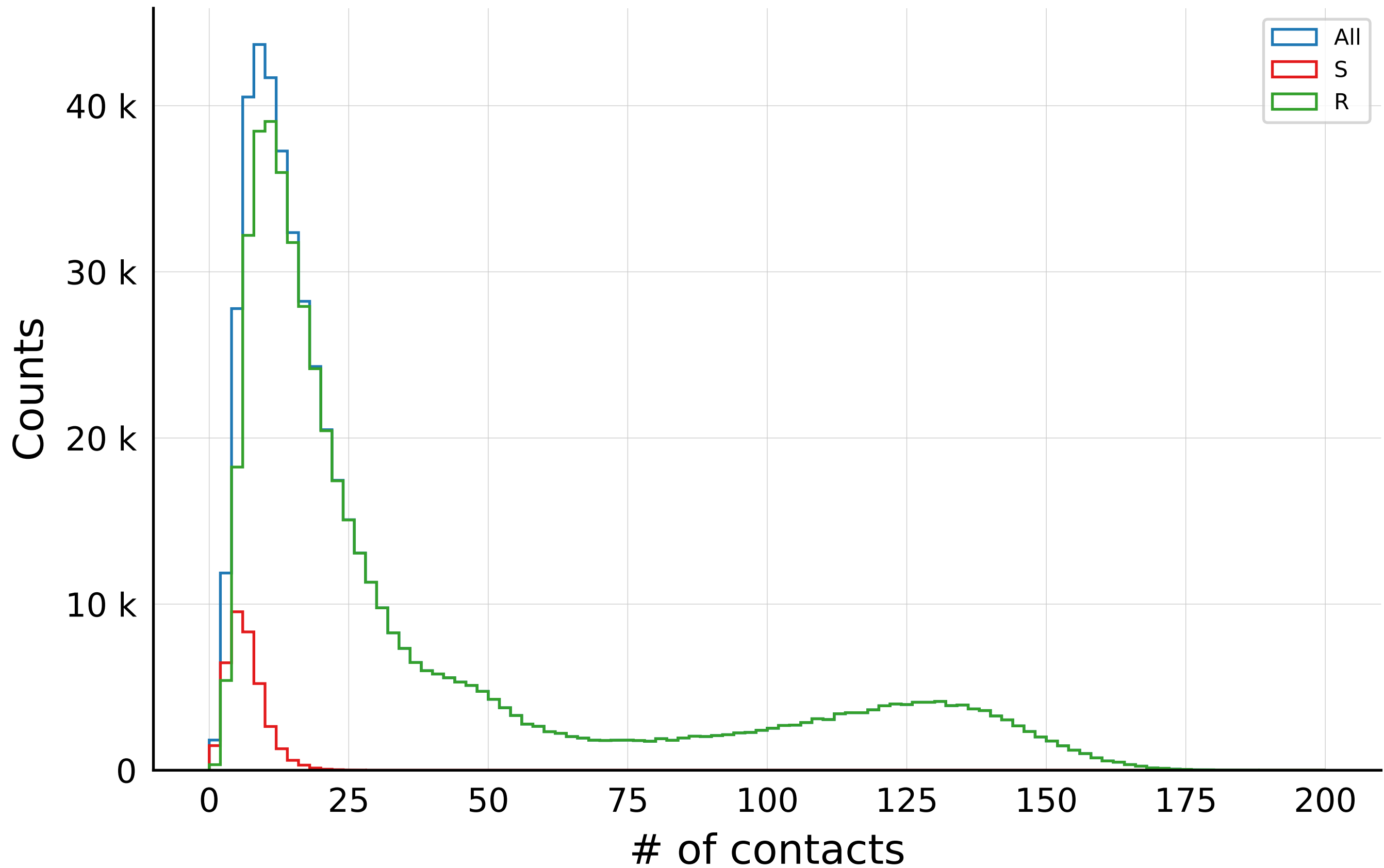


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.05$, $\sigma_{\beta} = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



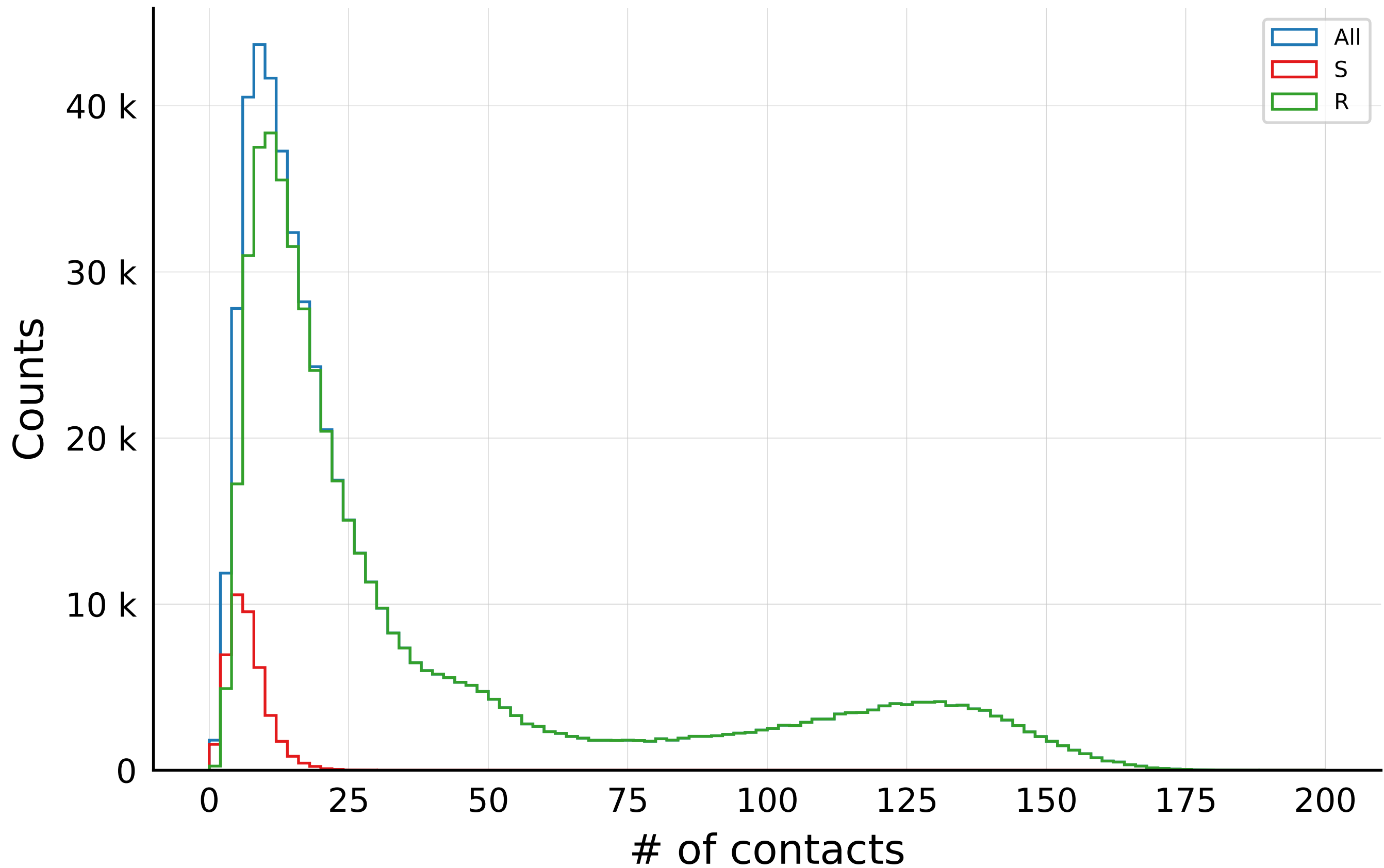
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$\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



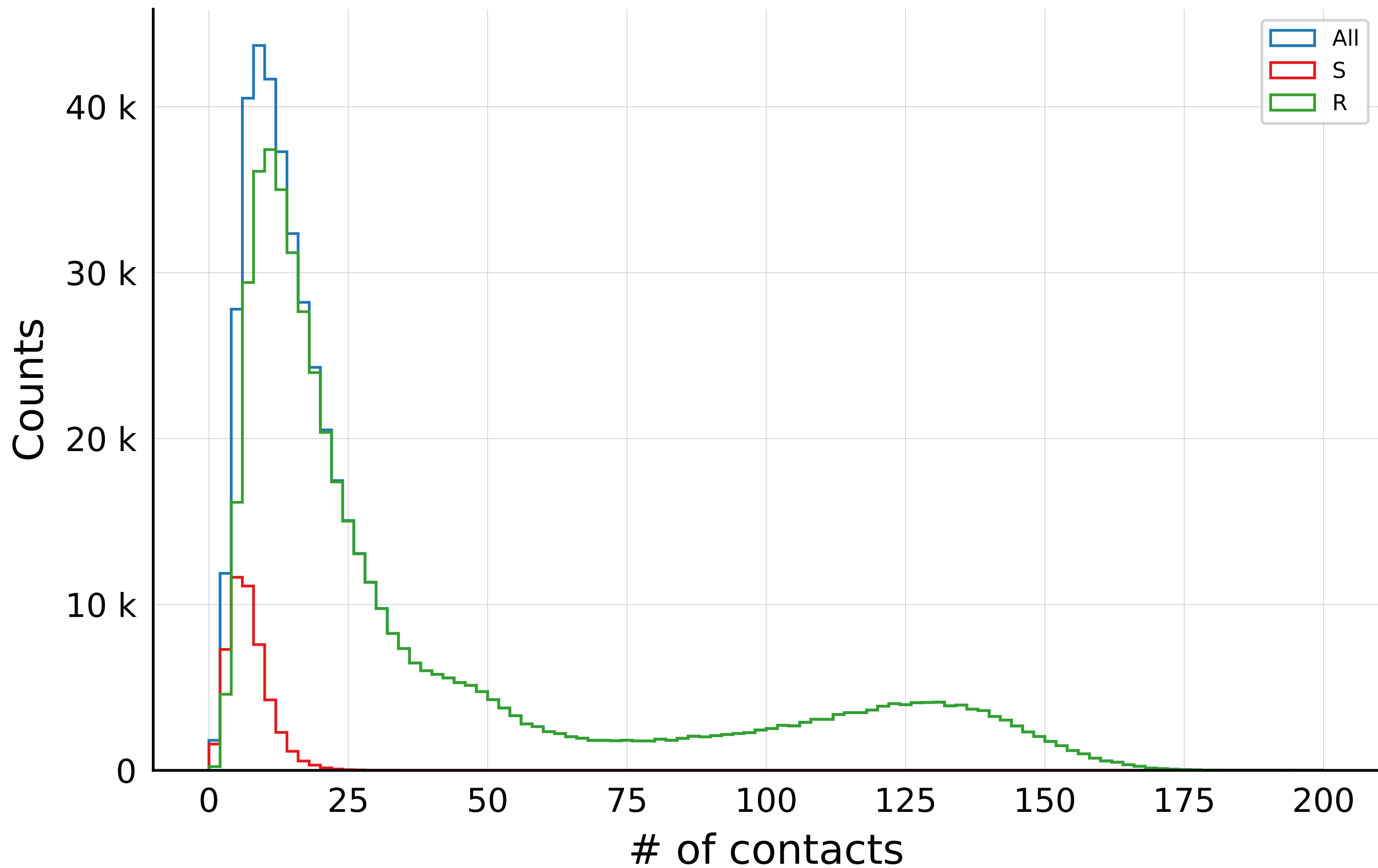
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.075$, $\sigma_{\beta} = 0.5$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$

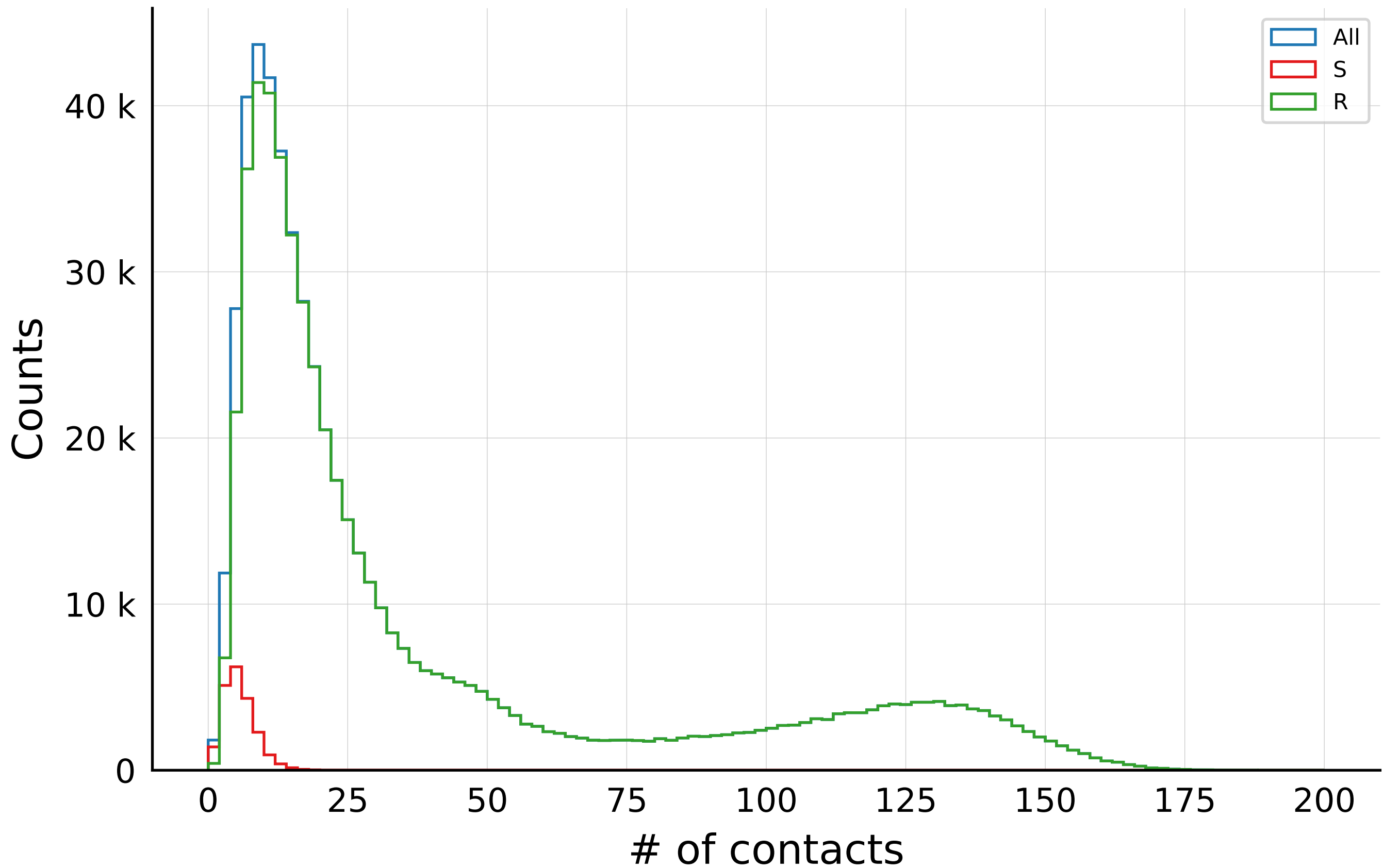


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.075, \sigma_{\beta} = 1.0$$

$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

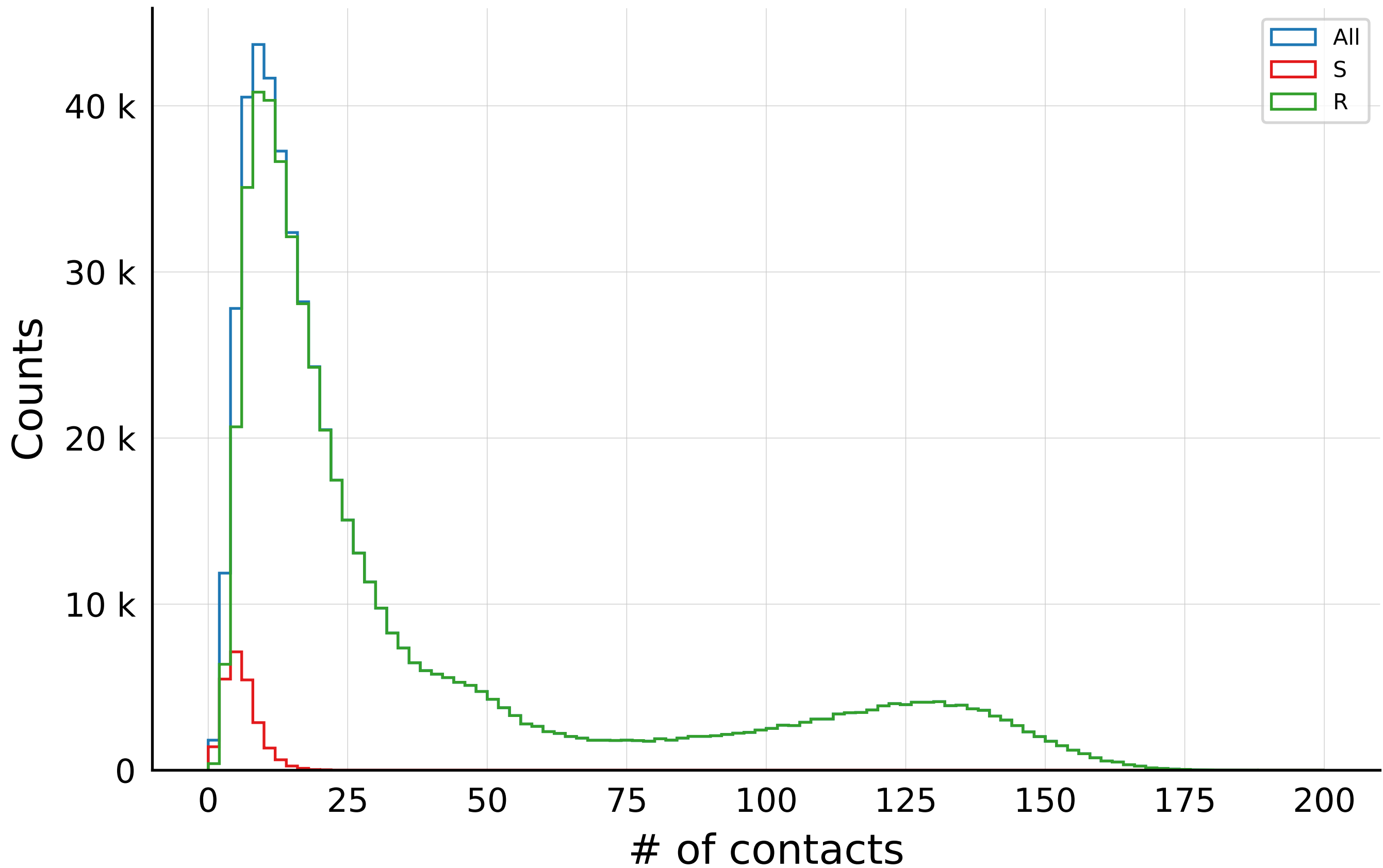


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.1, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

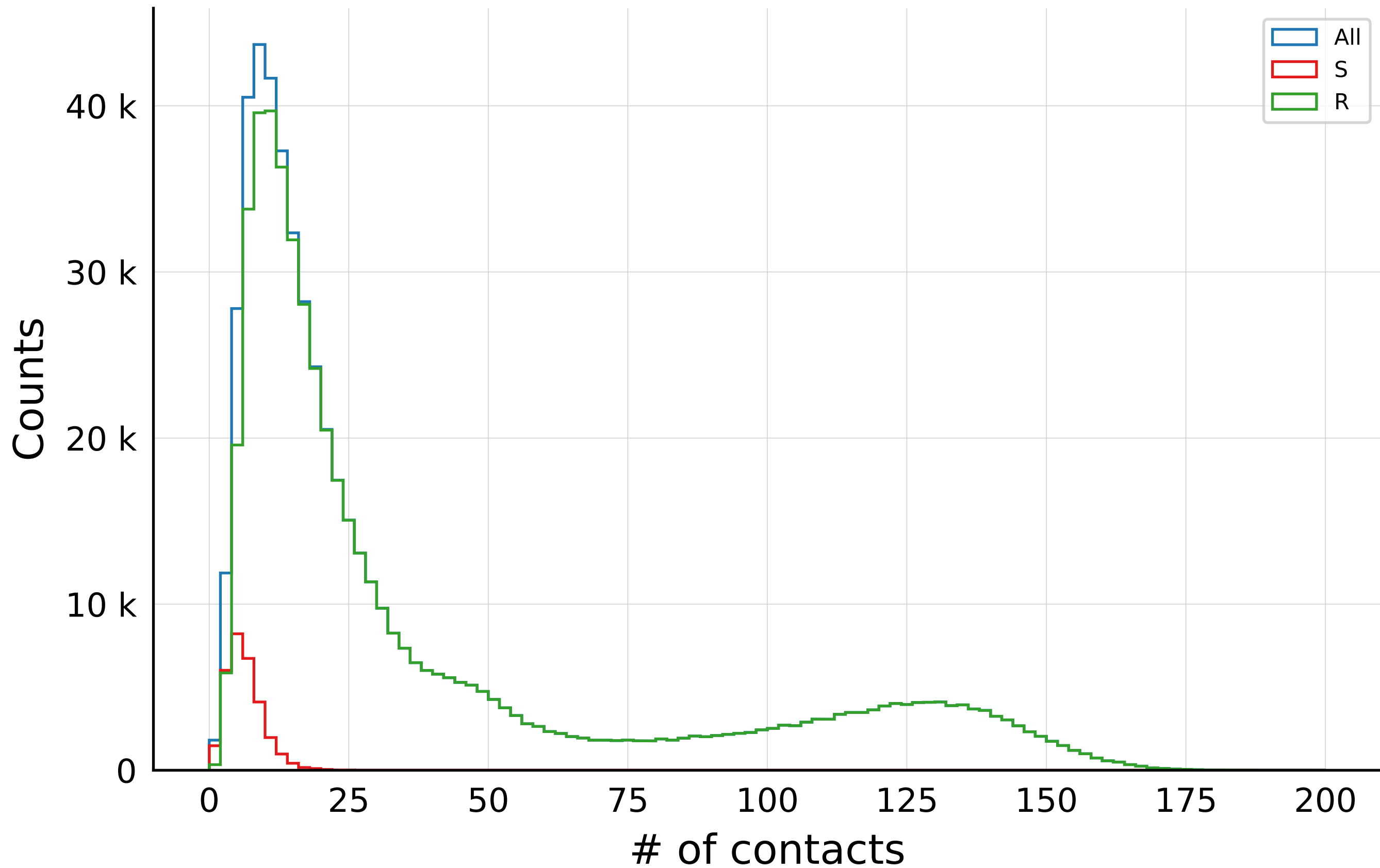


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.1, \sigma_{\beta} = 0.5$$

$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

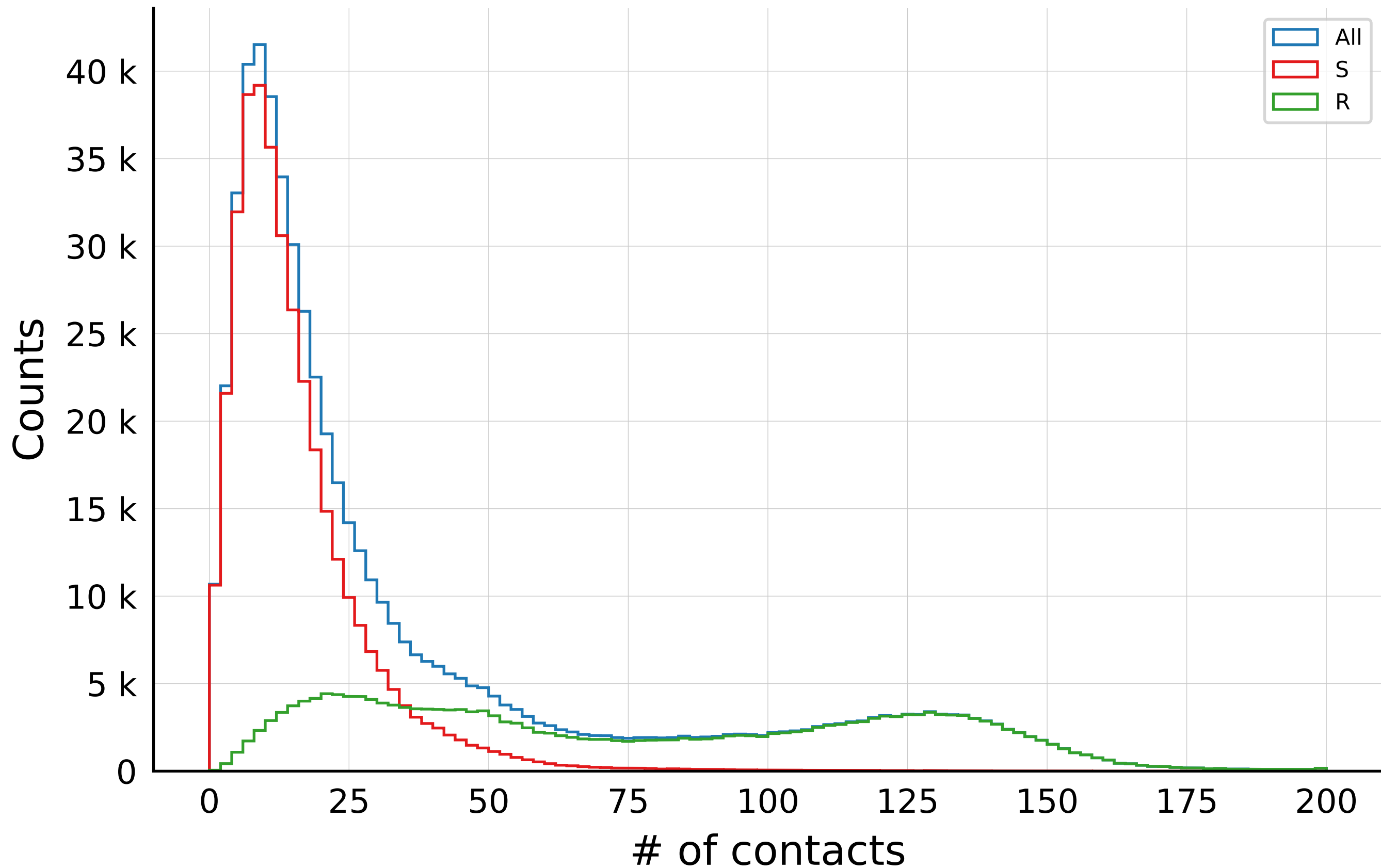


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.1, \sigma_{\beta} = 1.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



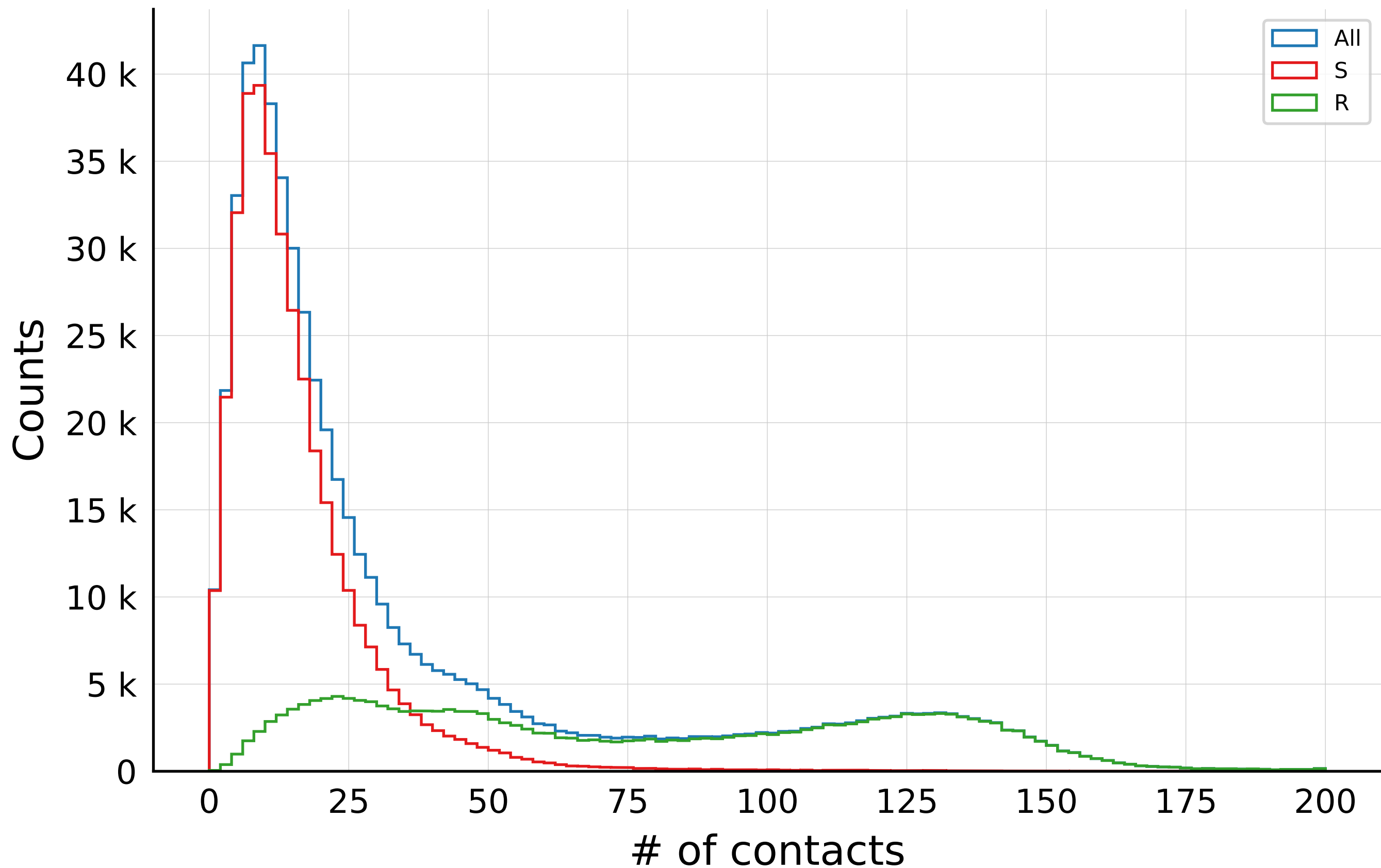
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.25, \beta = 0.01, \sigma_{\beta} = 0.0$$

$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

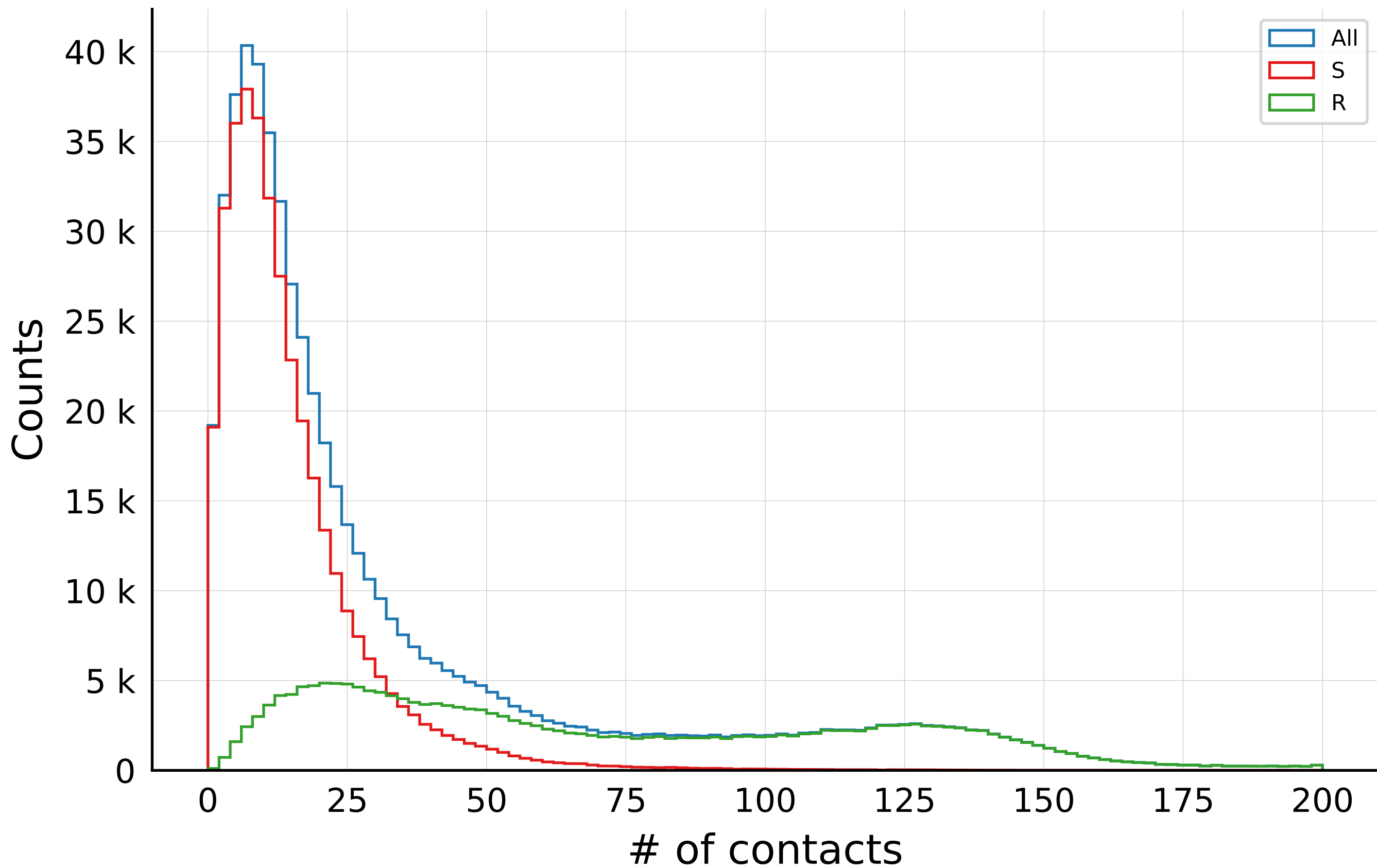


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.25, \beta = 0.01, \sigma_{\beta} = 1.0$$

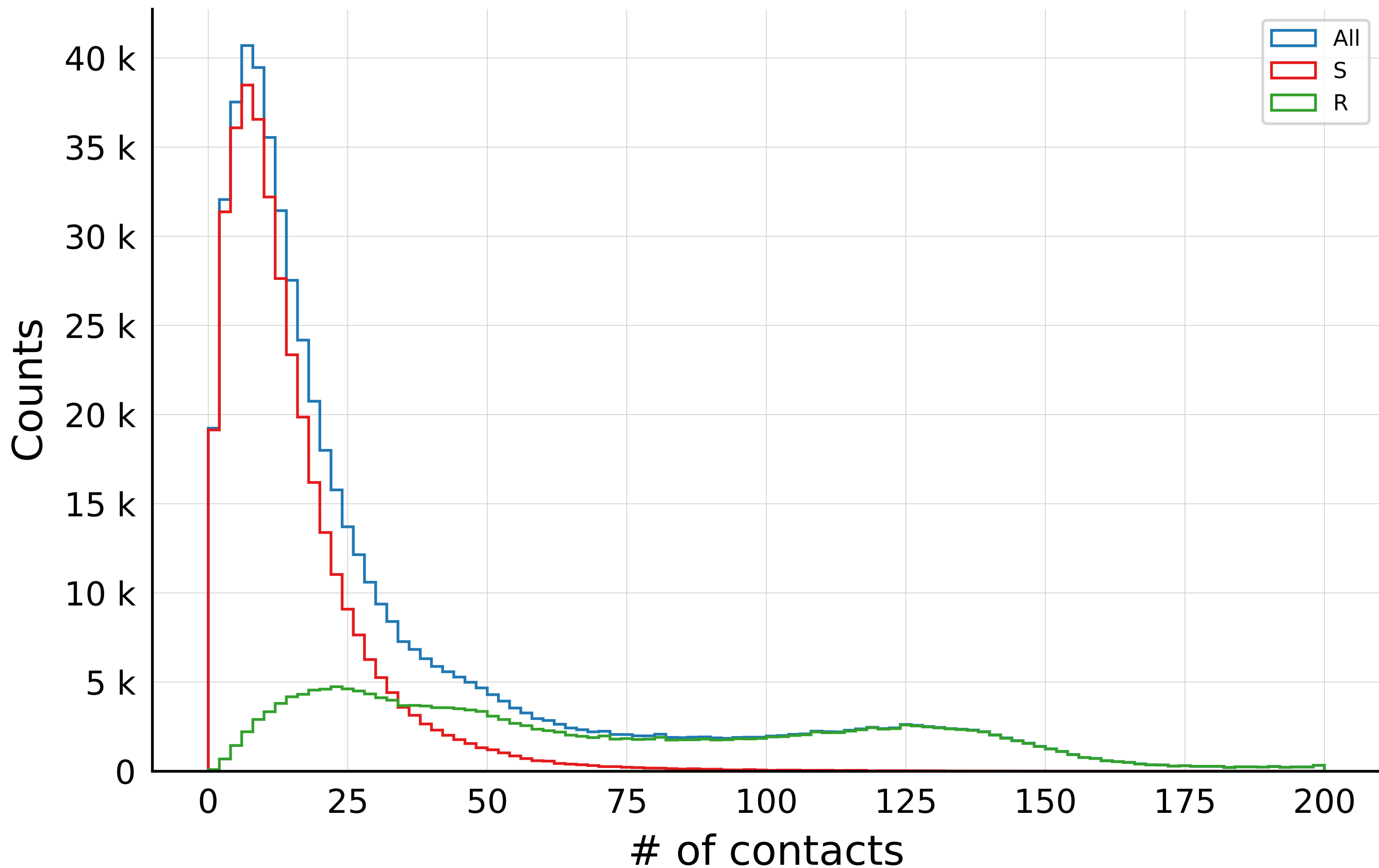
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



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

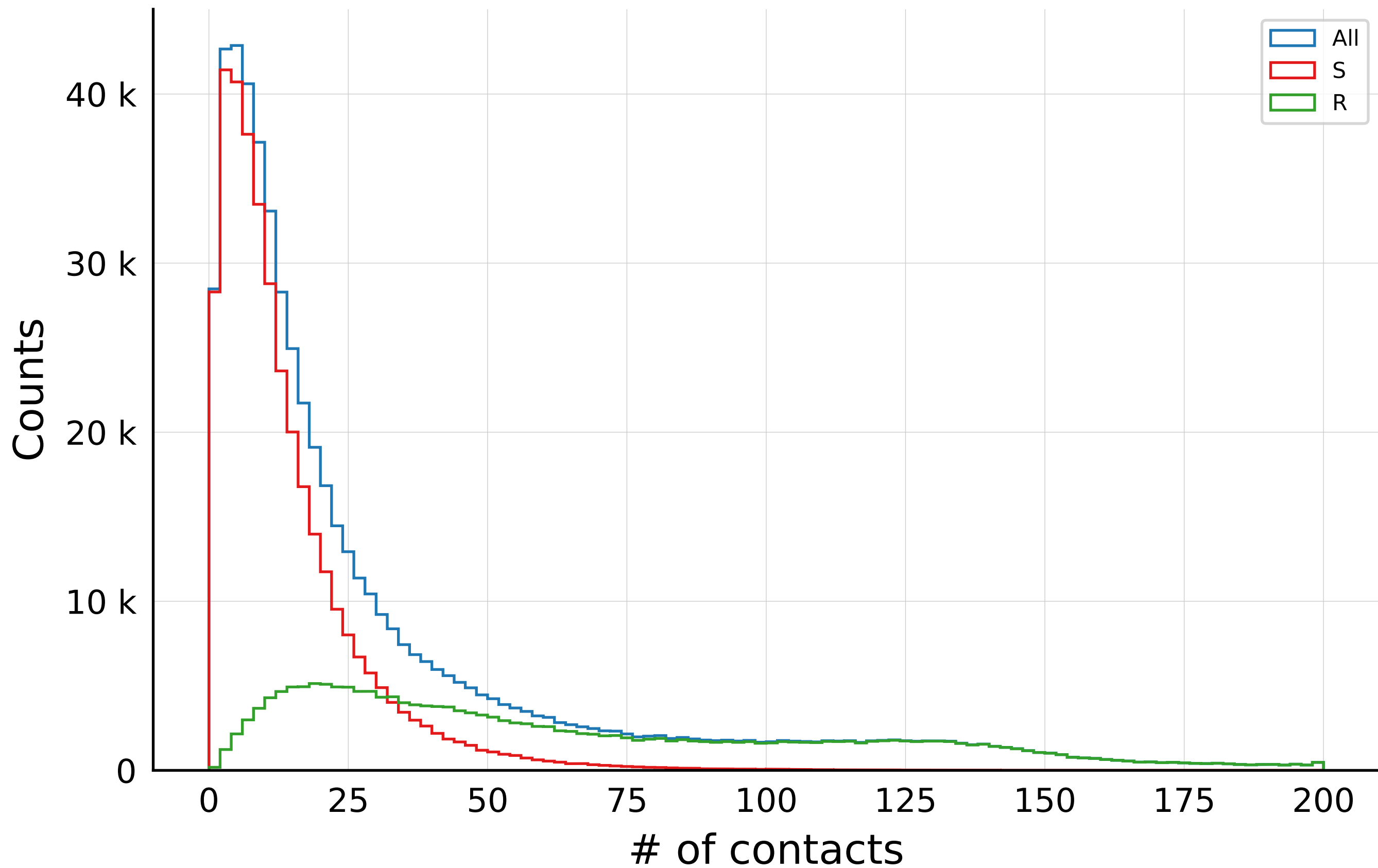


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.5, \beta = 0.01, \sigma_{\beta} = 1.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

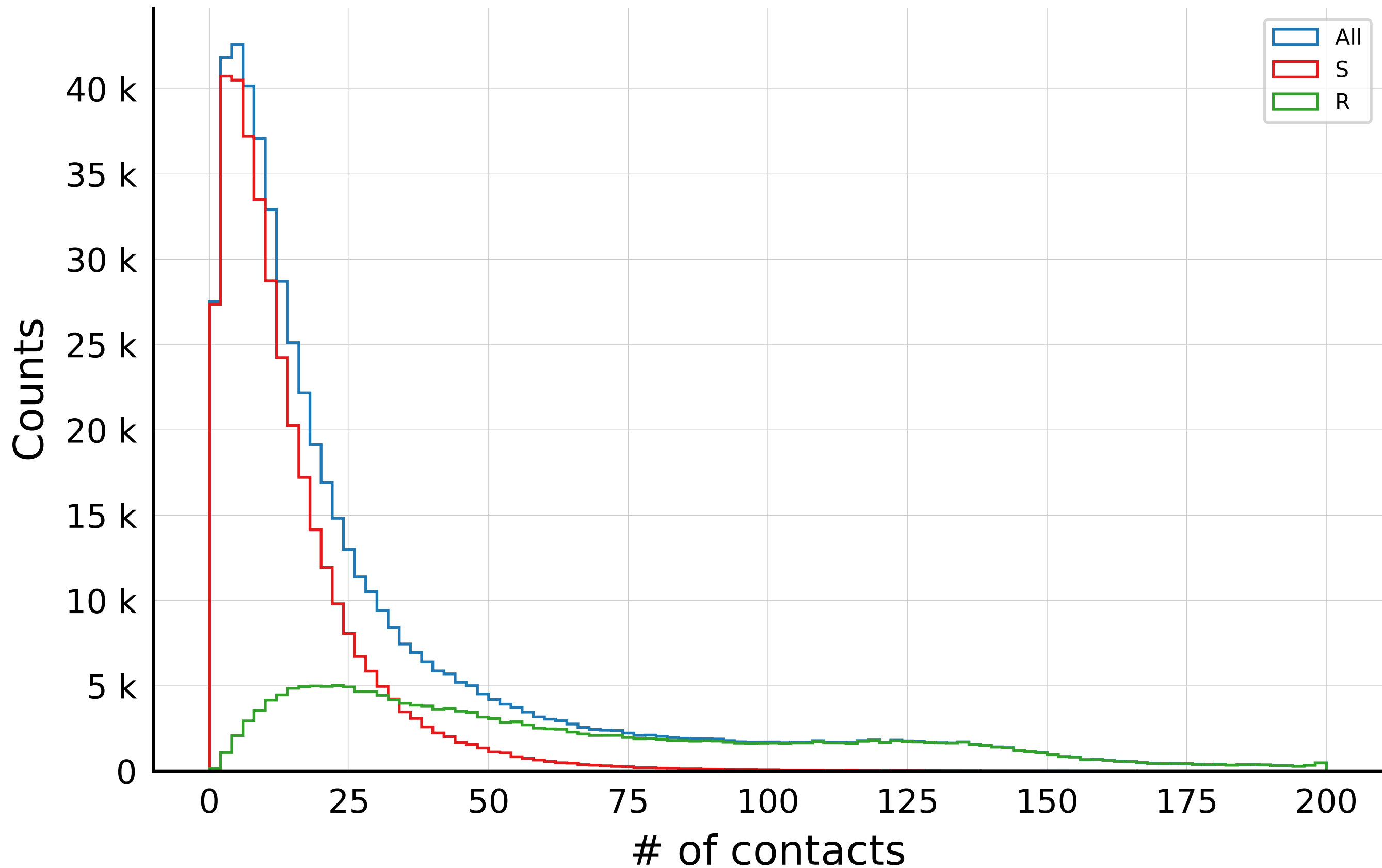


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.75, \beta = 0.01, \sigma_{\beta} = 0.0$$

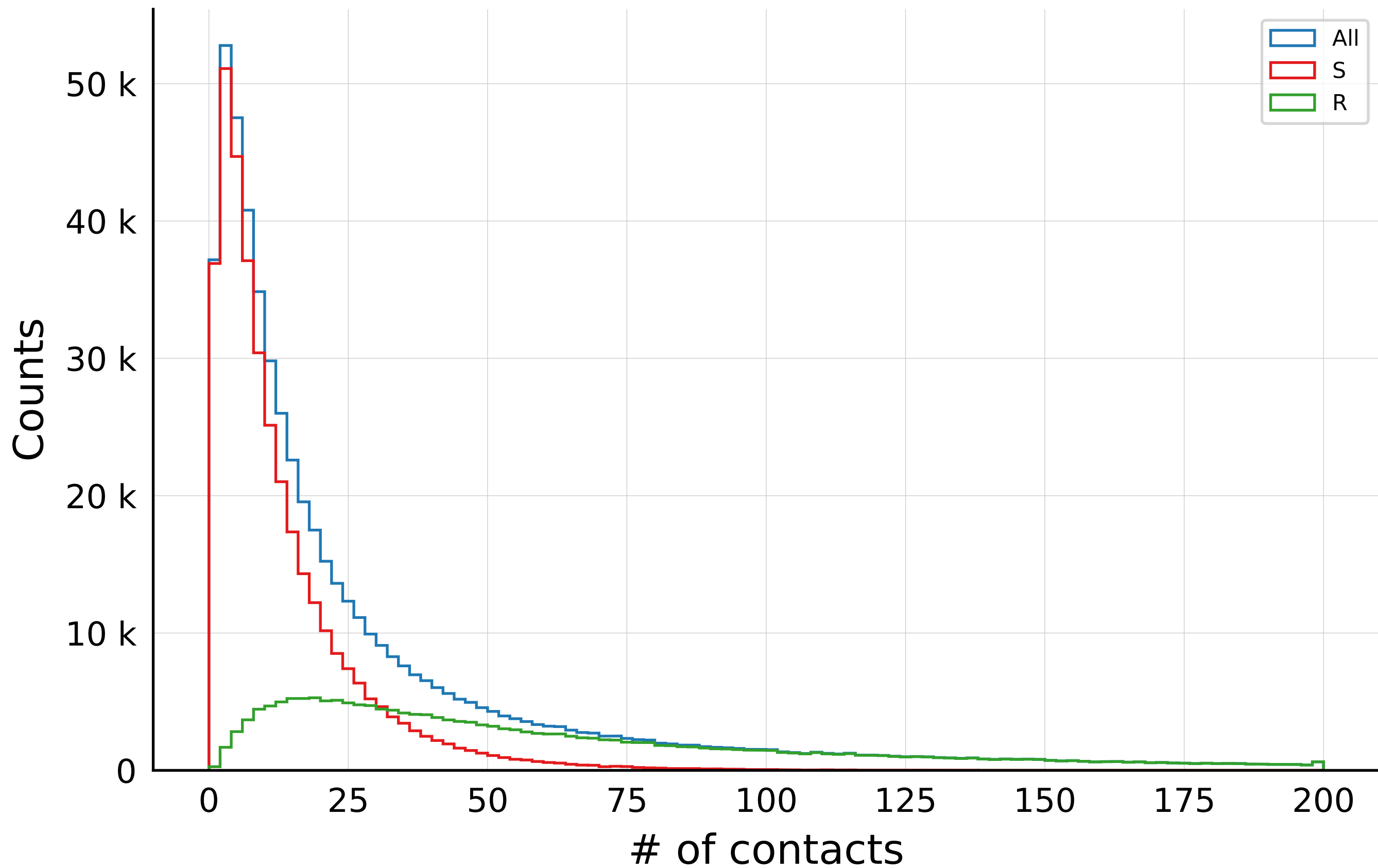
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



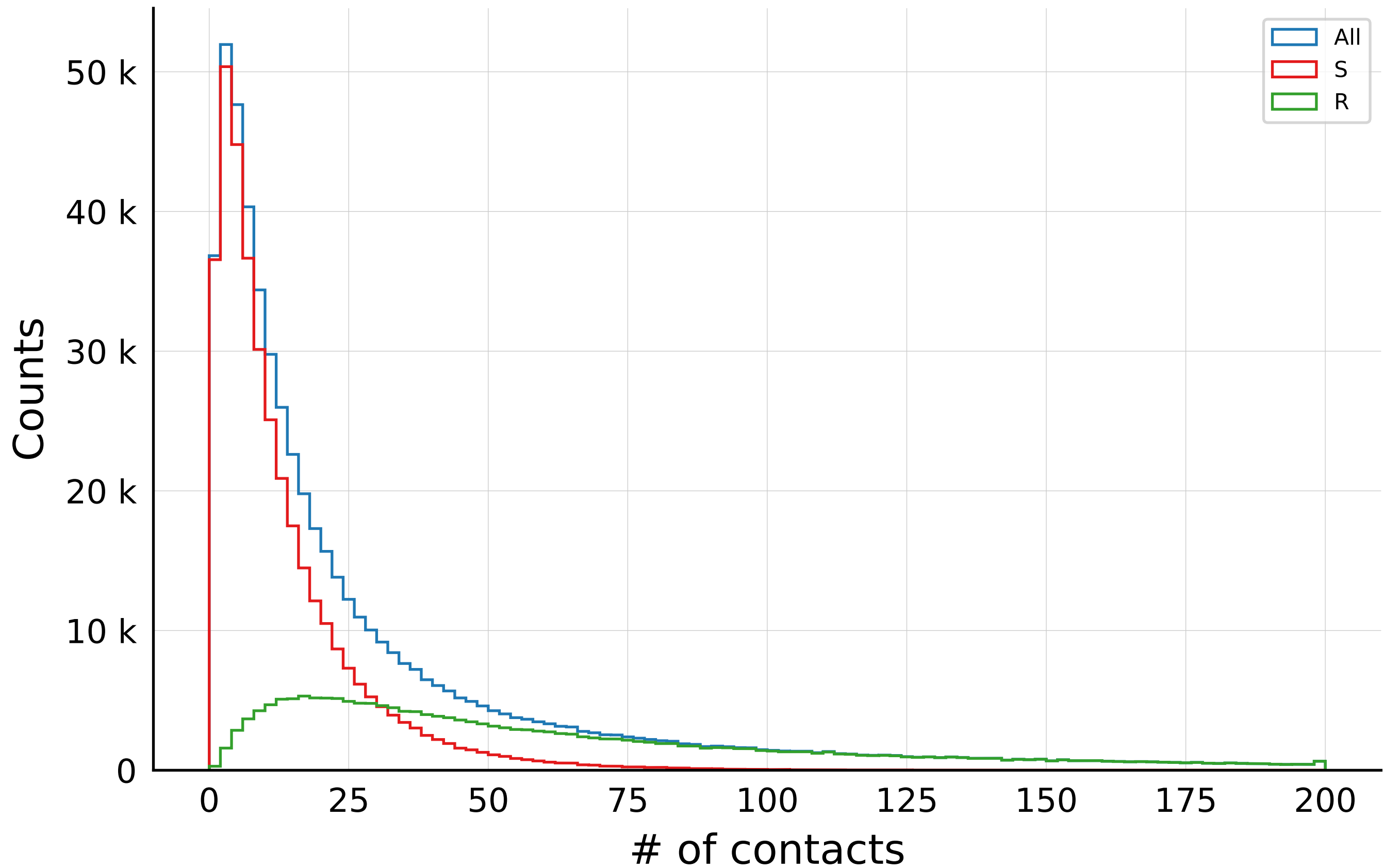
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.75, \beta = 0.01, \sigma_{\beta} = 1.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



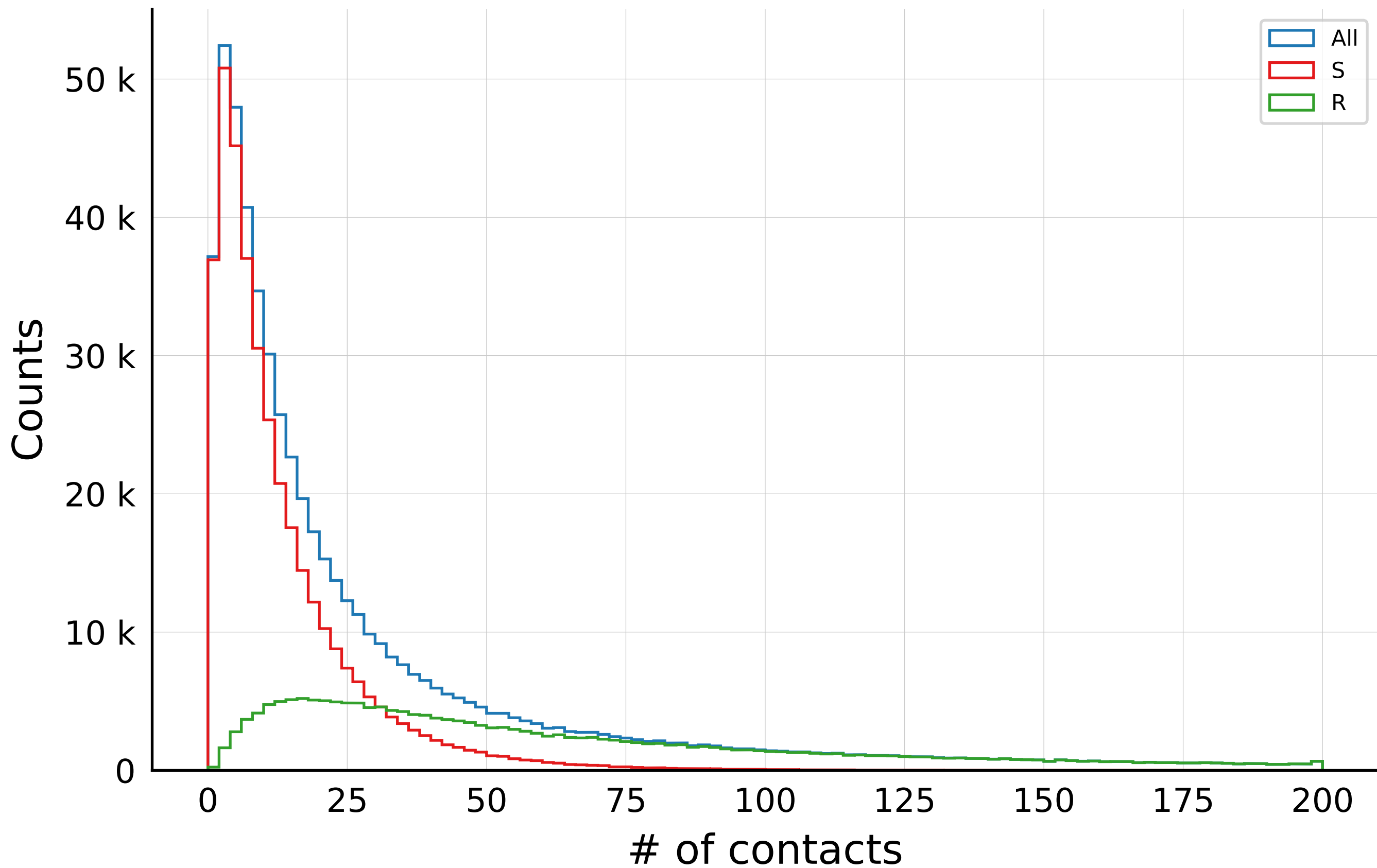
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 1.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



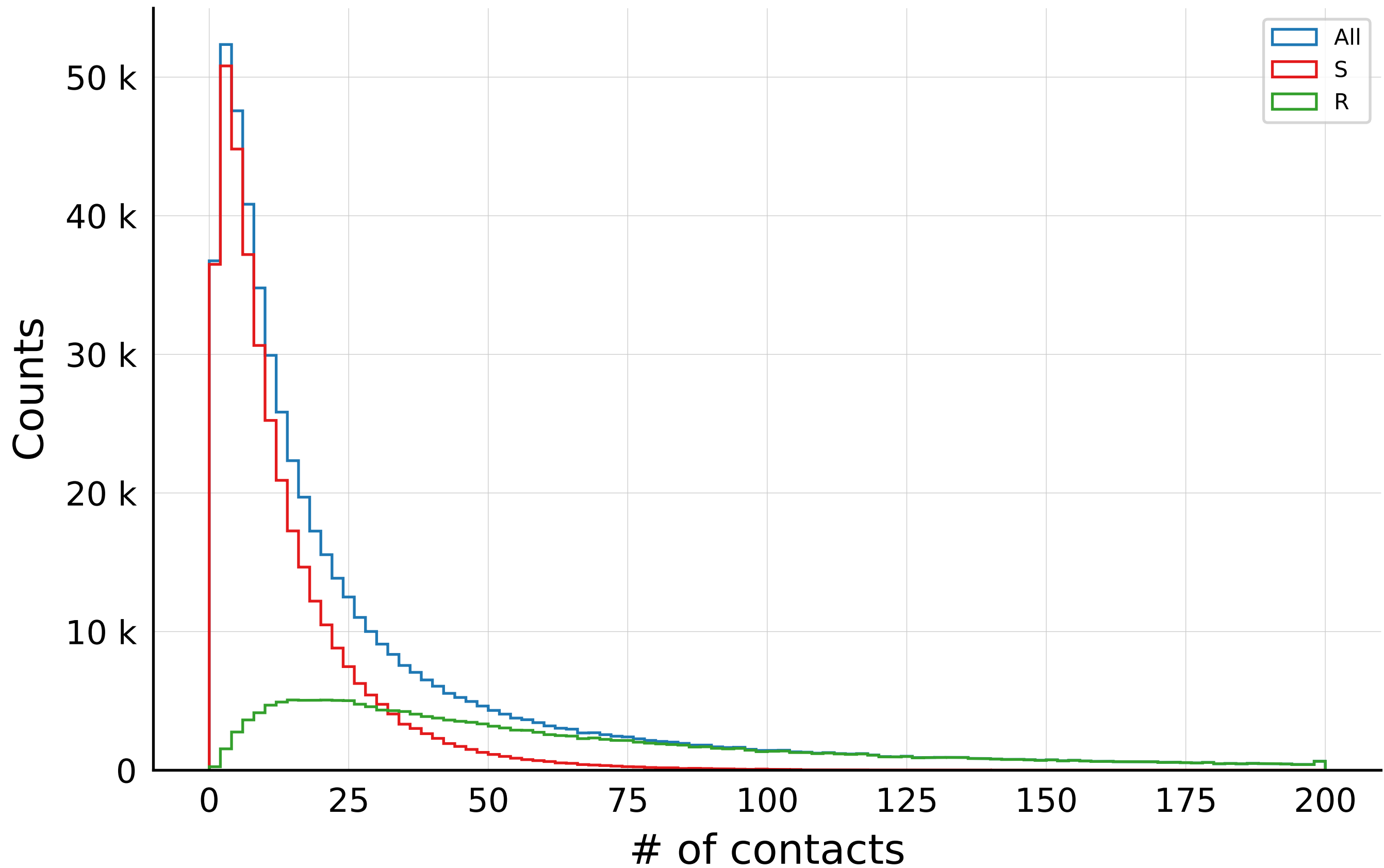
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 1.0, \beta = 0.01, \sigma_{\beta} = 0.25$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



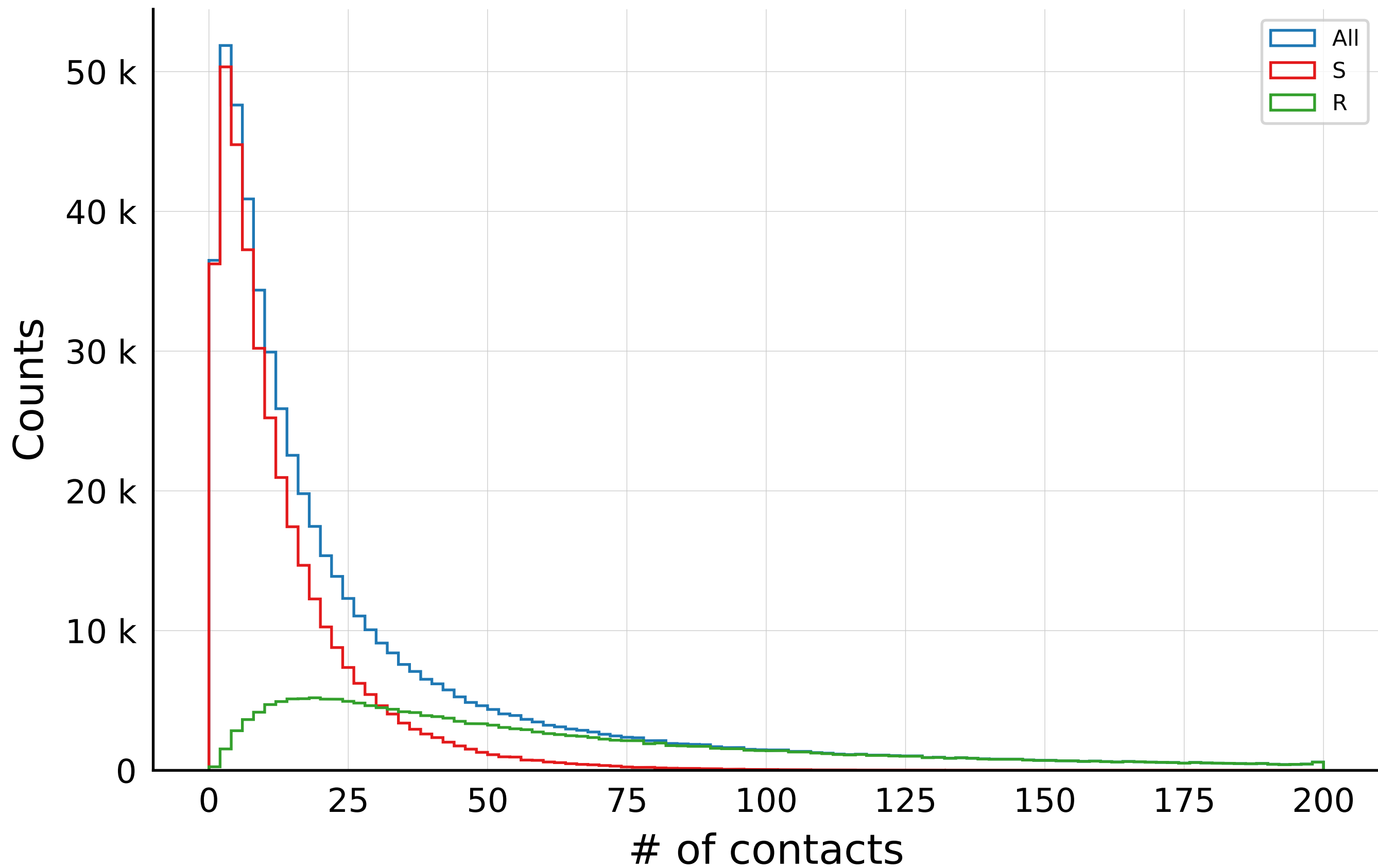
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 1.0, \beta = 0.01, \sigma_{\beta} = 0.5$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



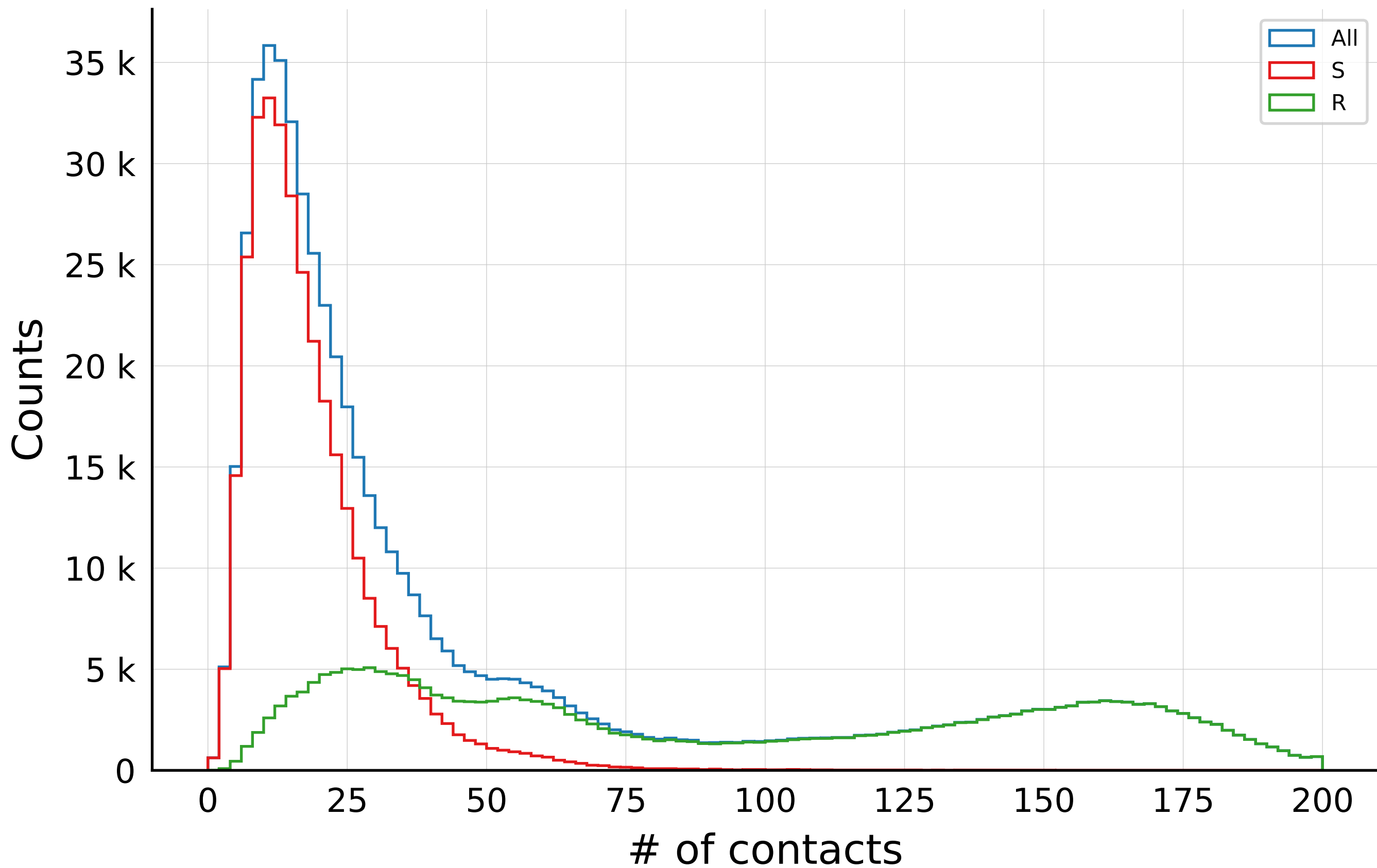
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 1.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.75$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



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

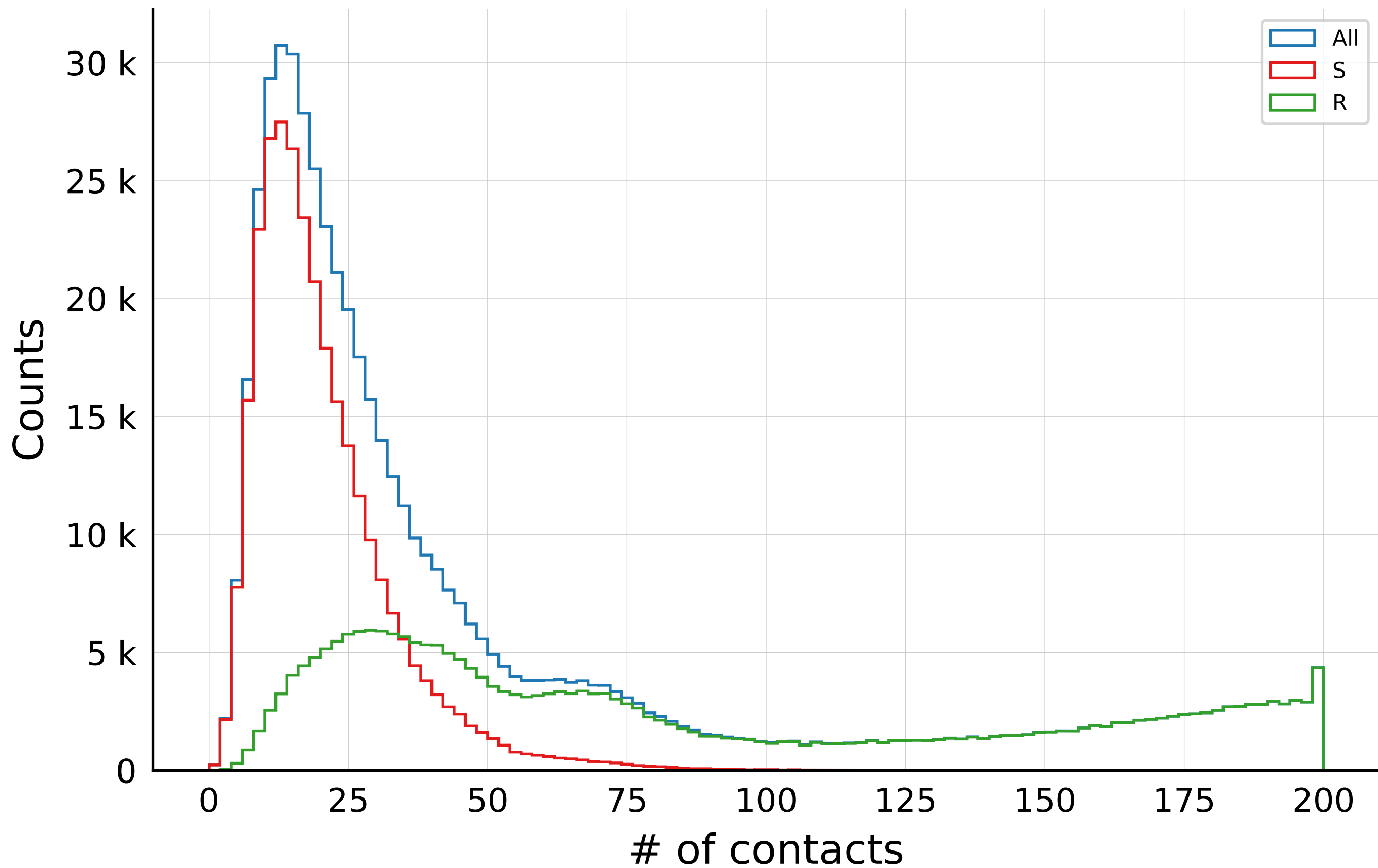


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 50.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

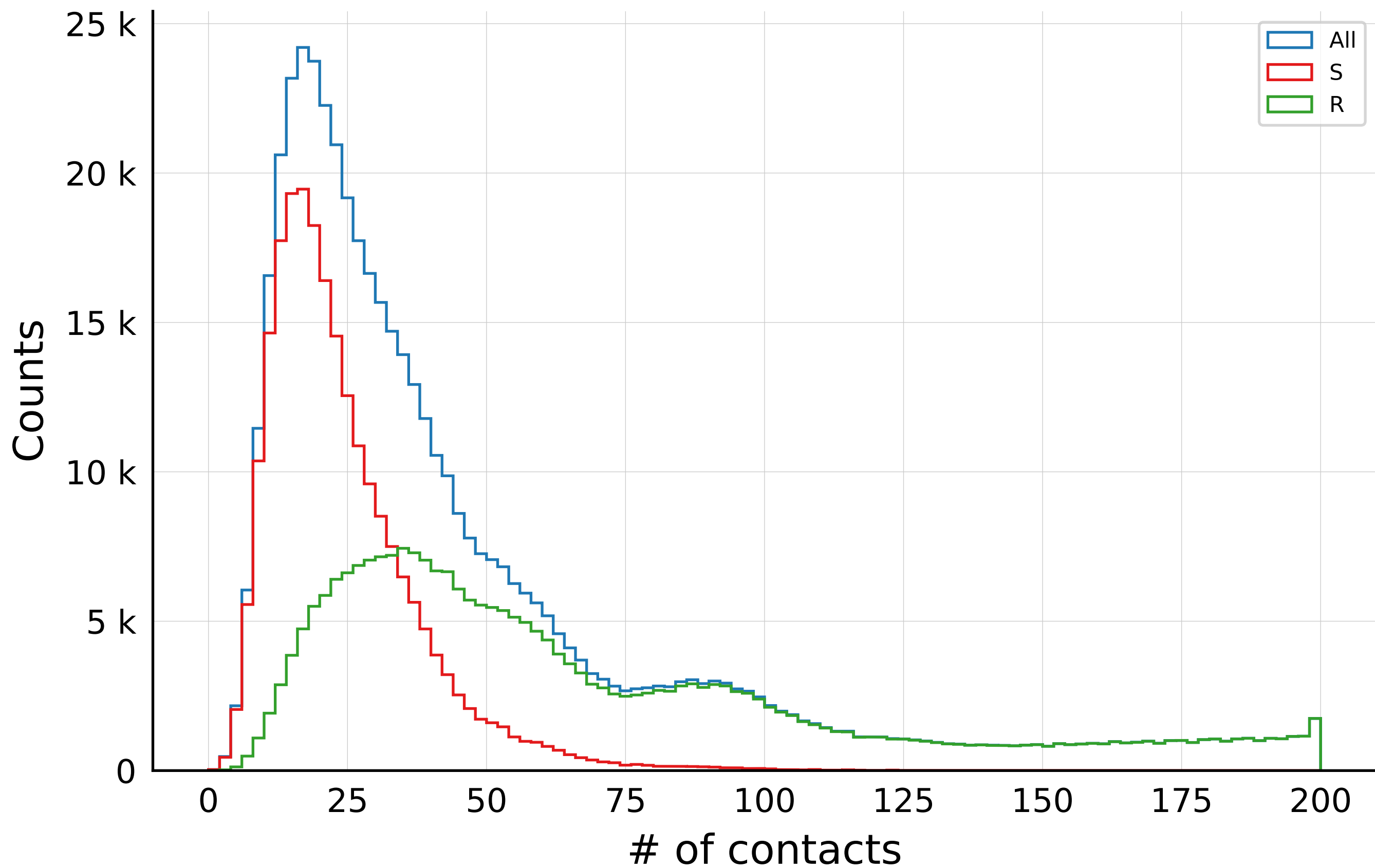


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.04, \mu = 60.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$

$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

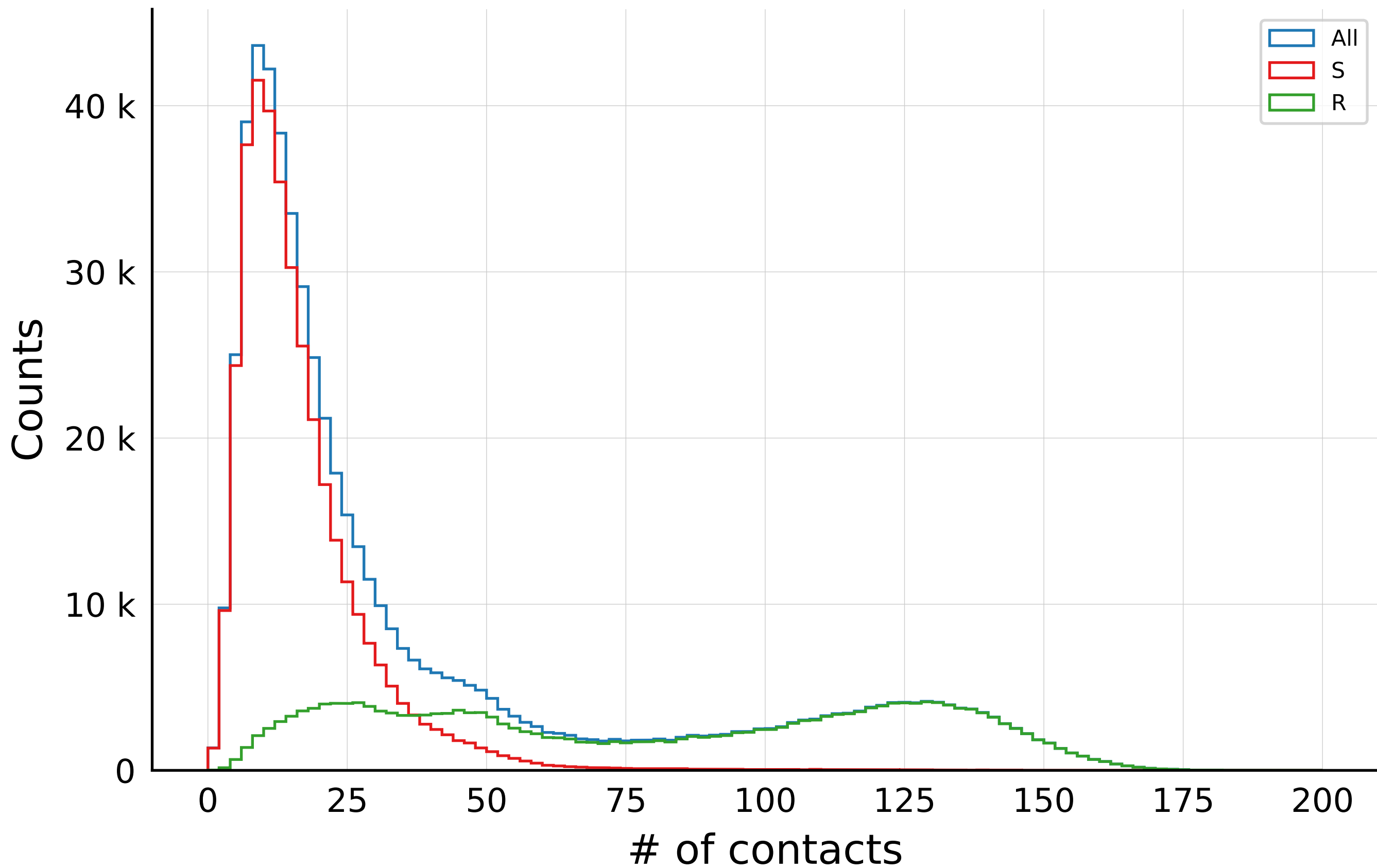


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 80.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$

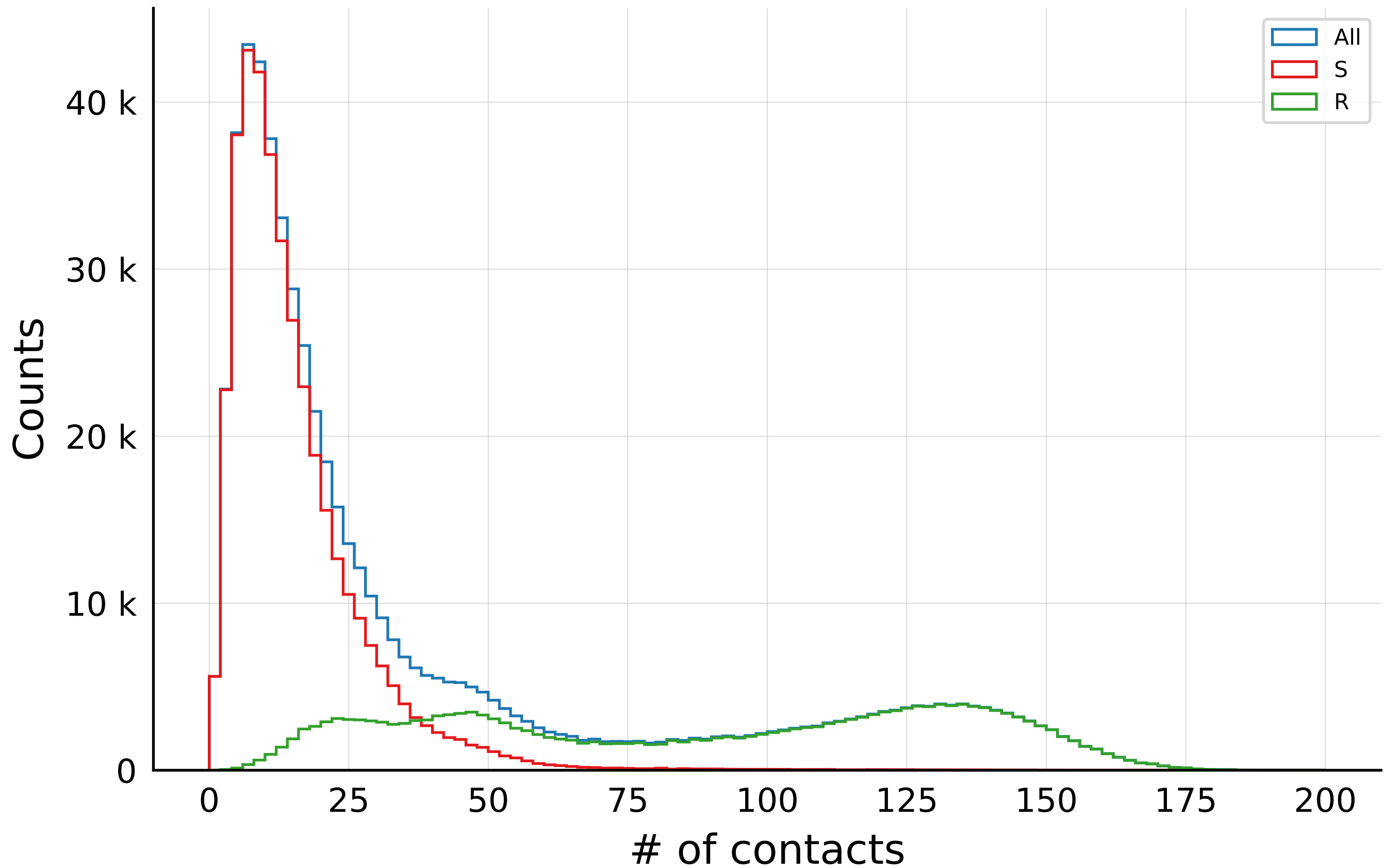


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.05, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$

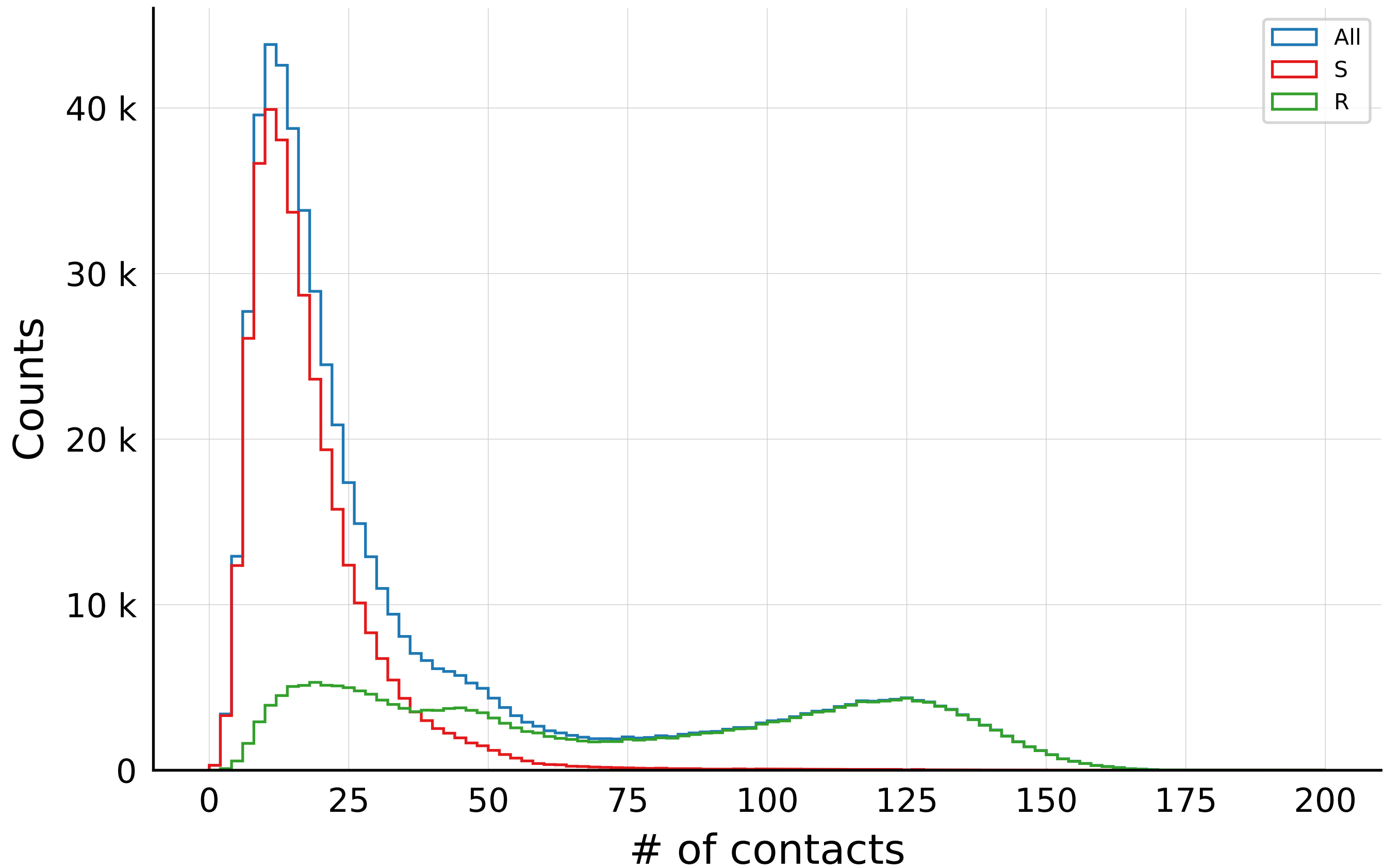
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



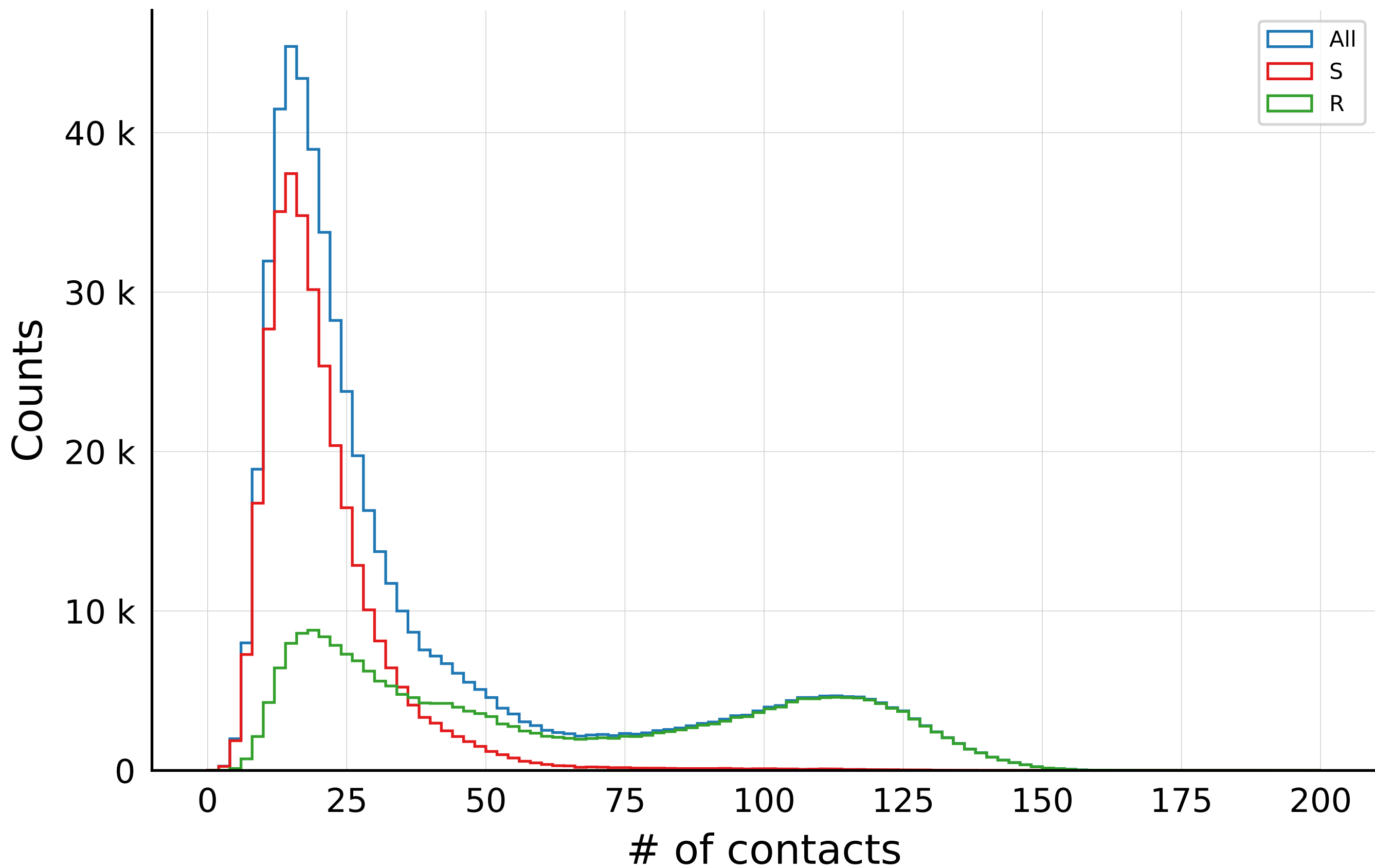
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.0, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



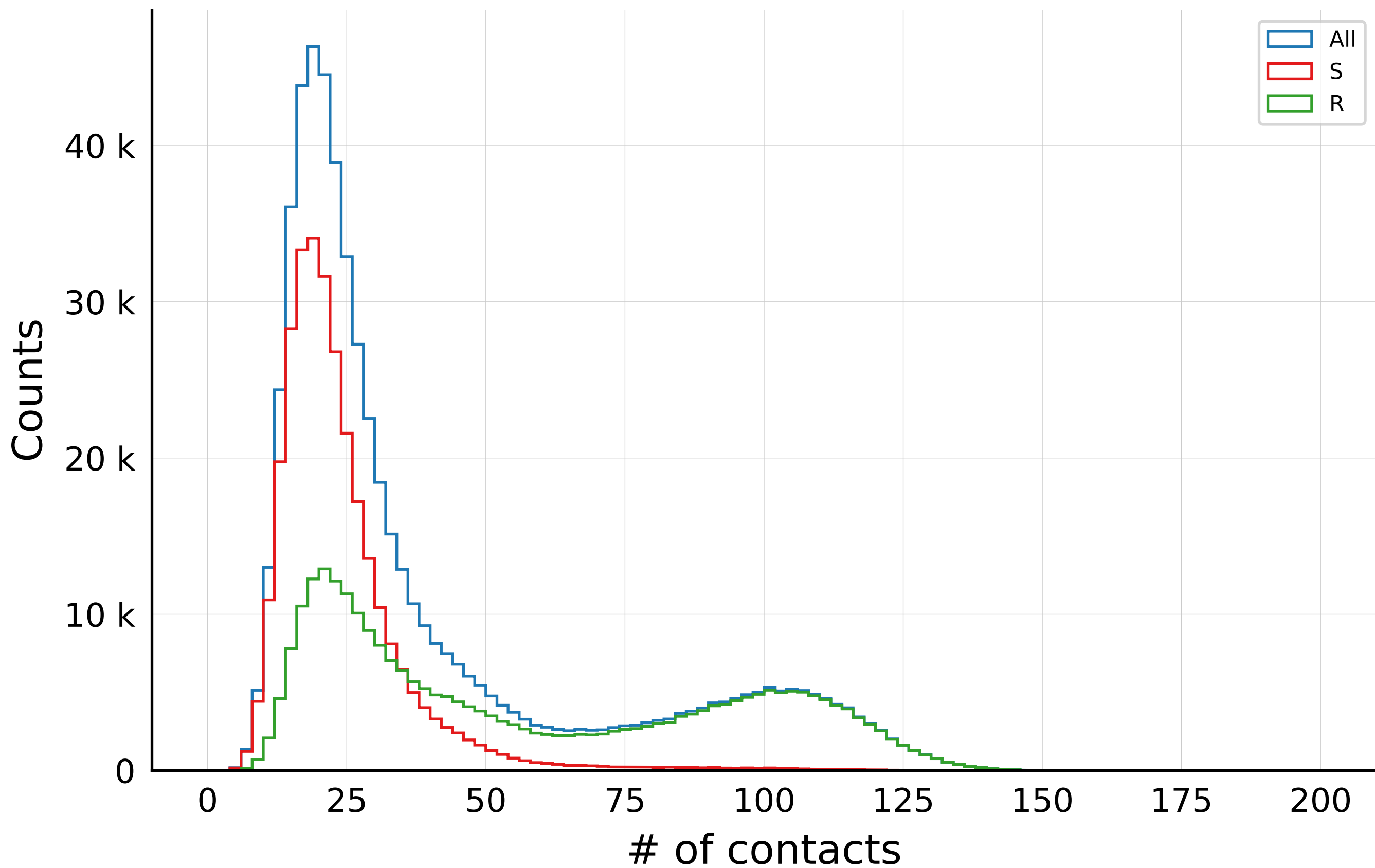
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.1, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



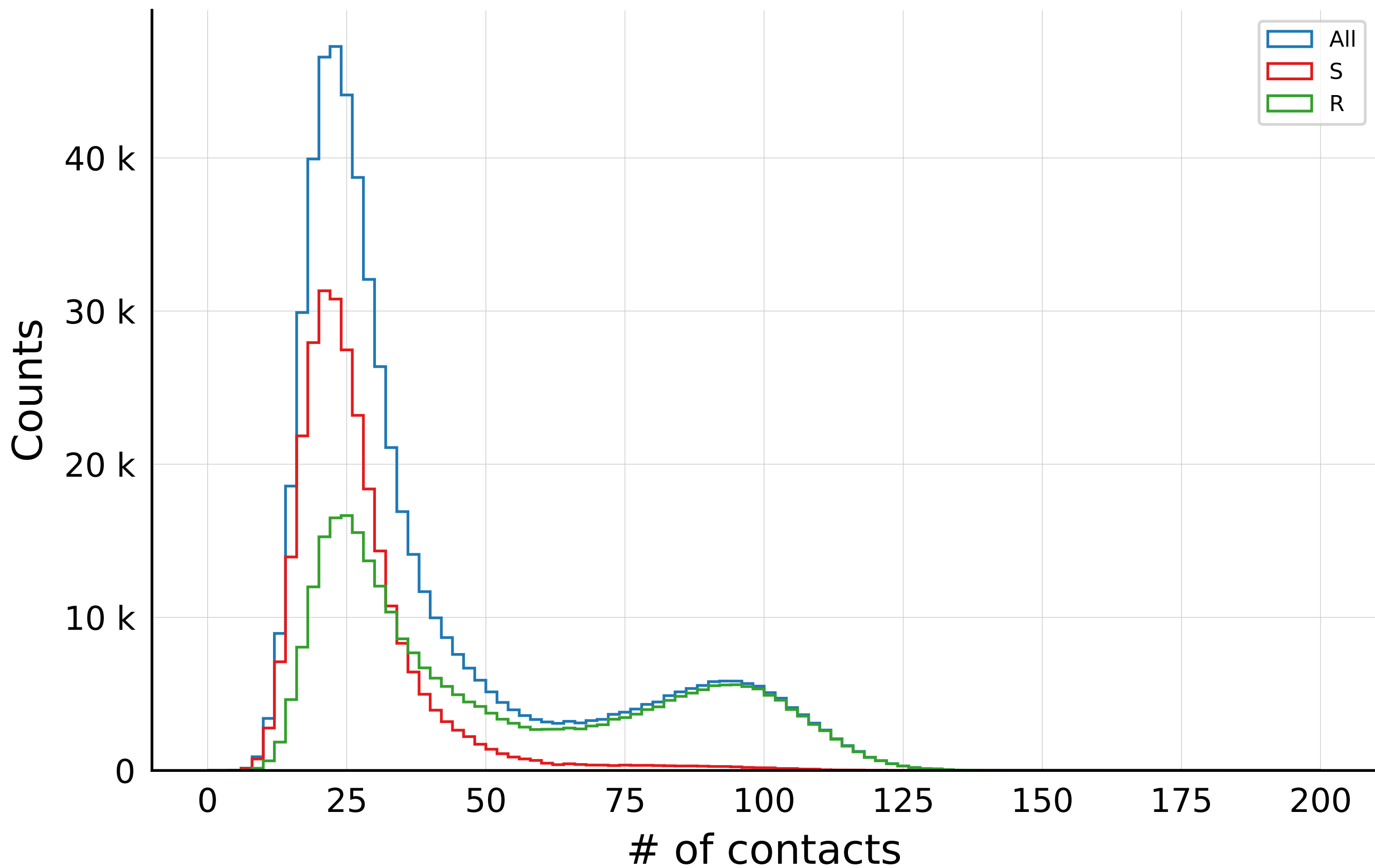
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.2, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



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

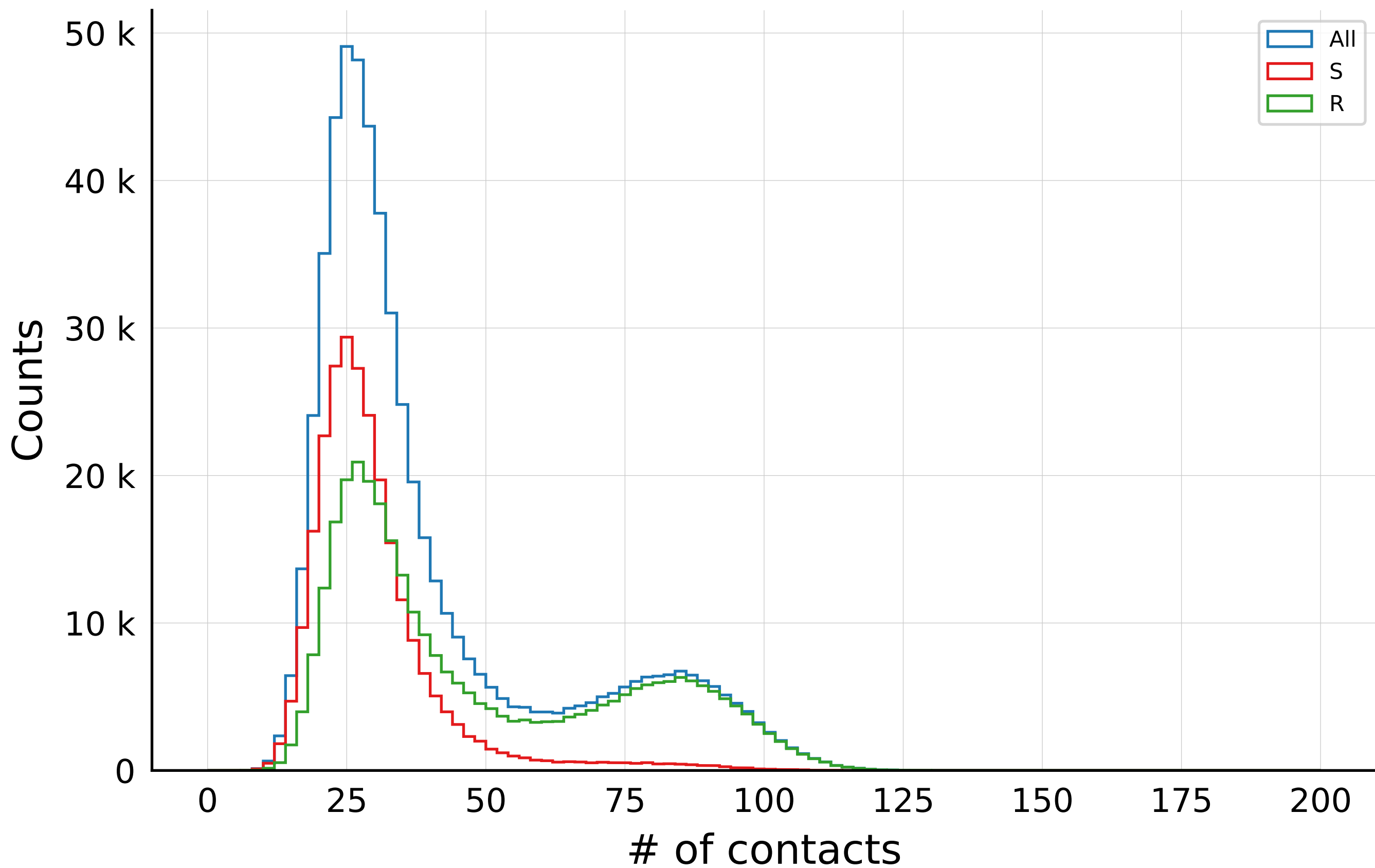


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.4, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

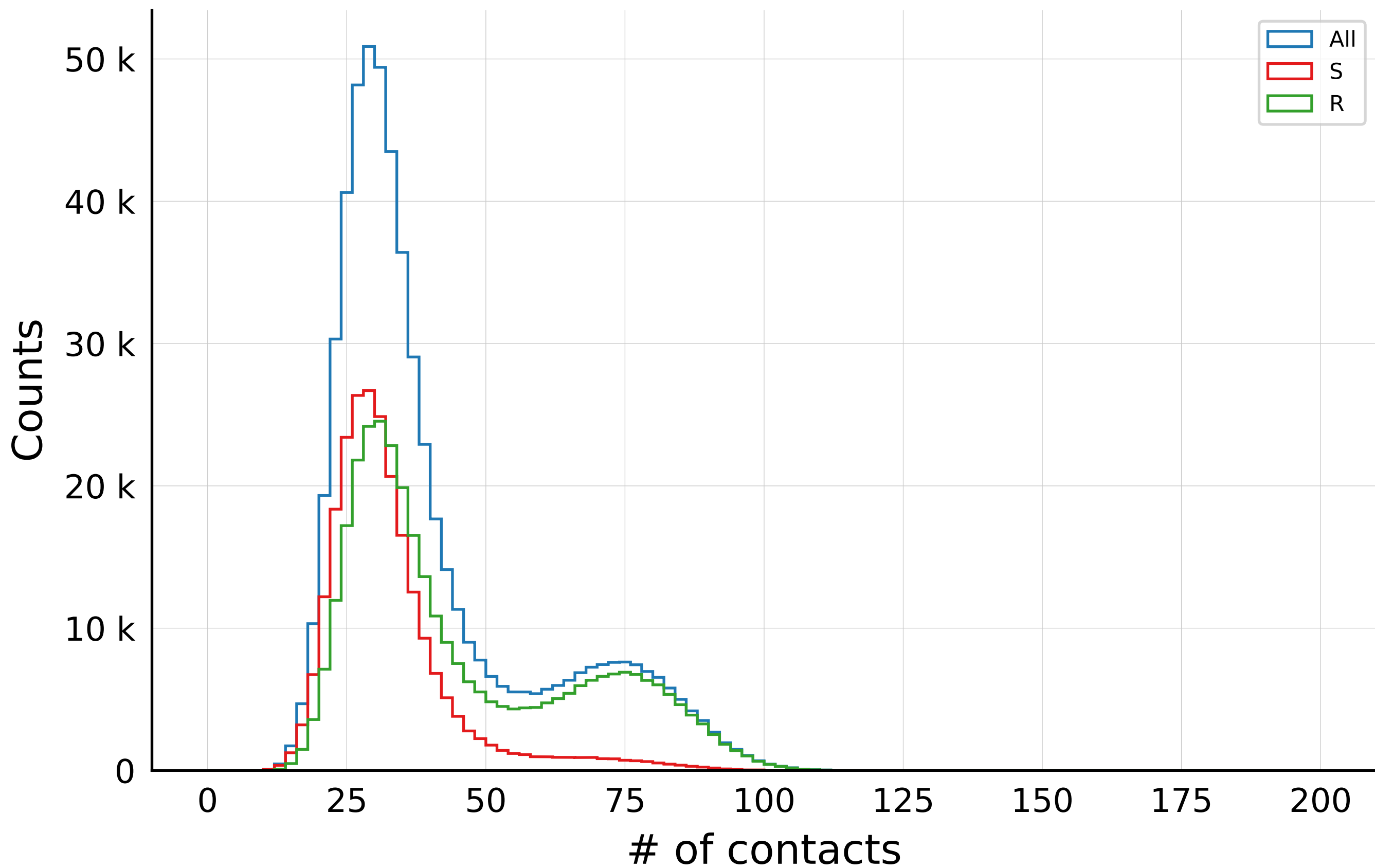


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.5, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$

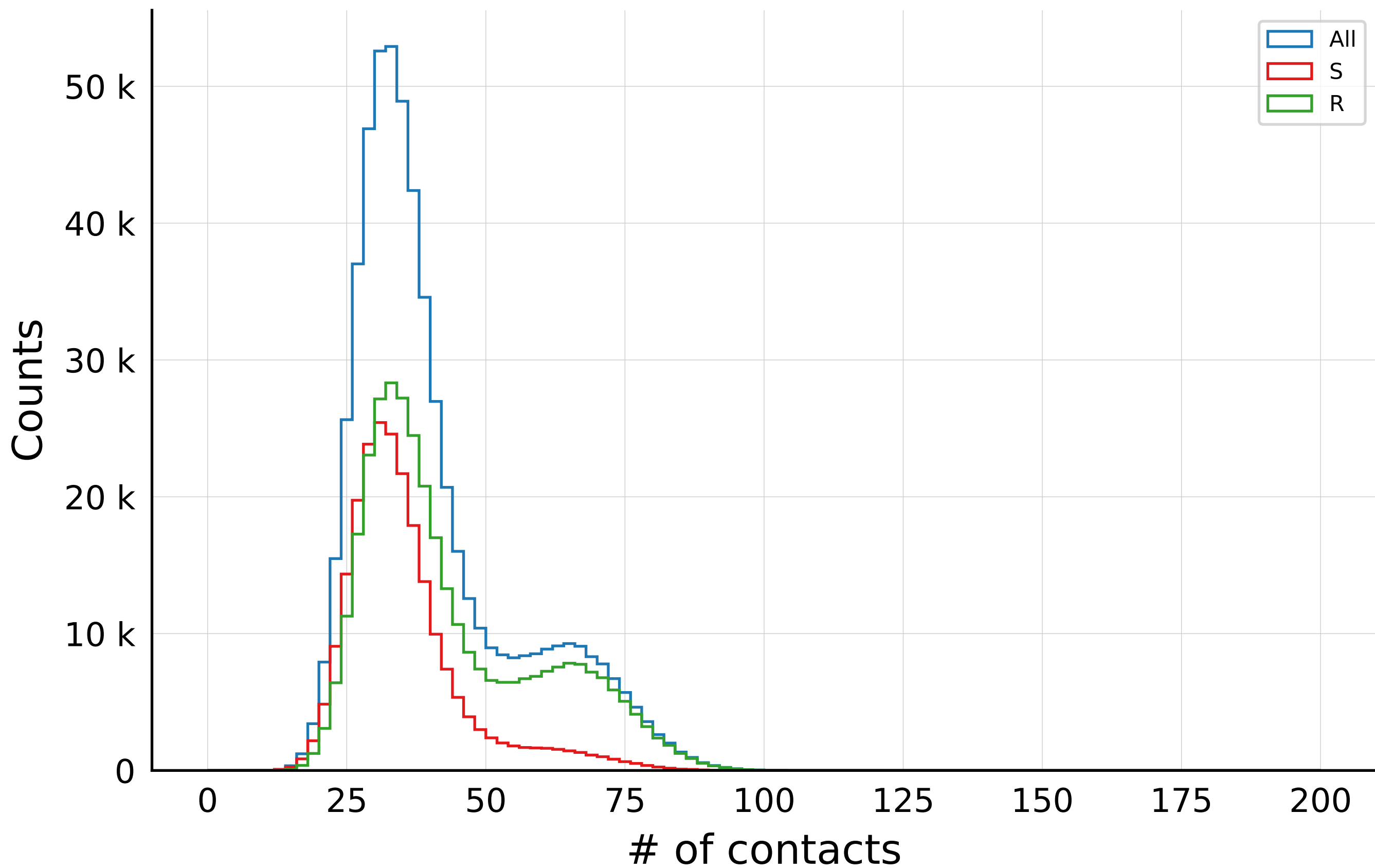
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



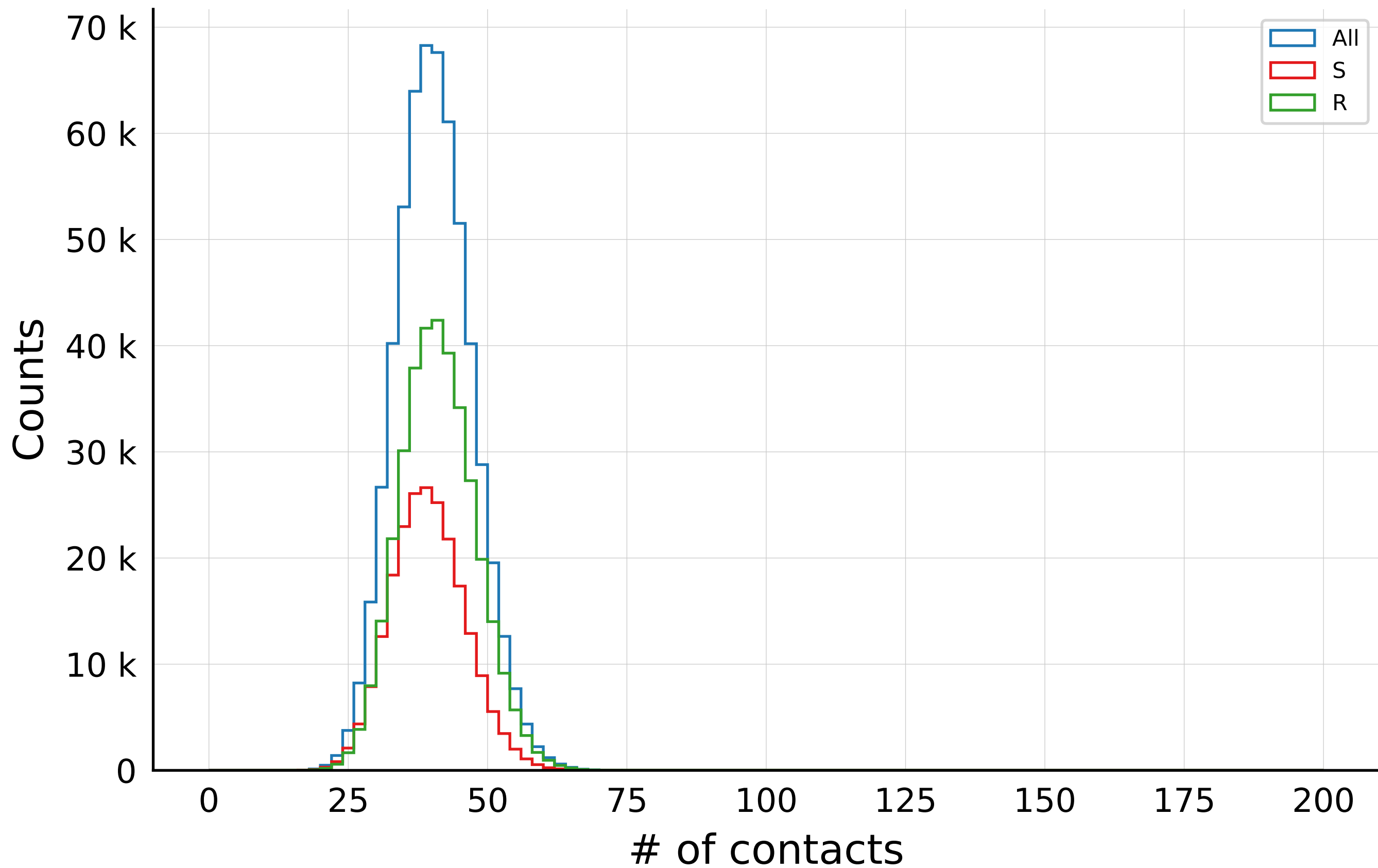
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.6, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



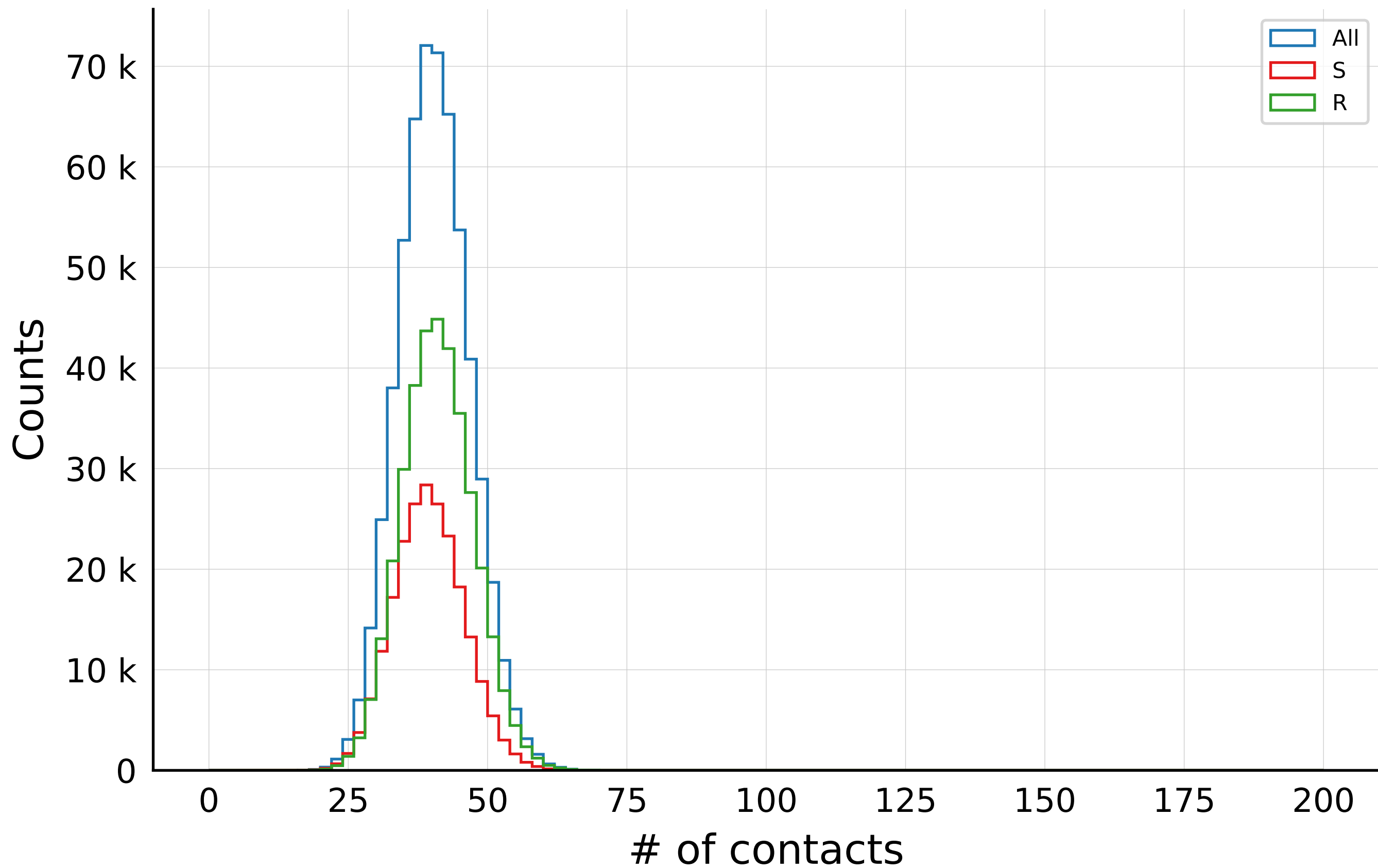
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.7, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



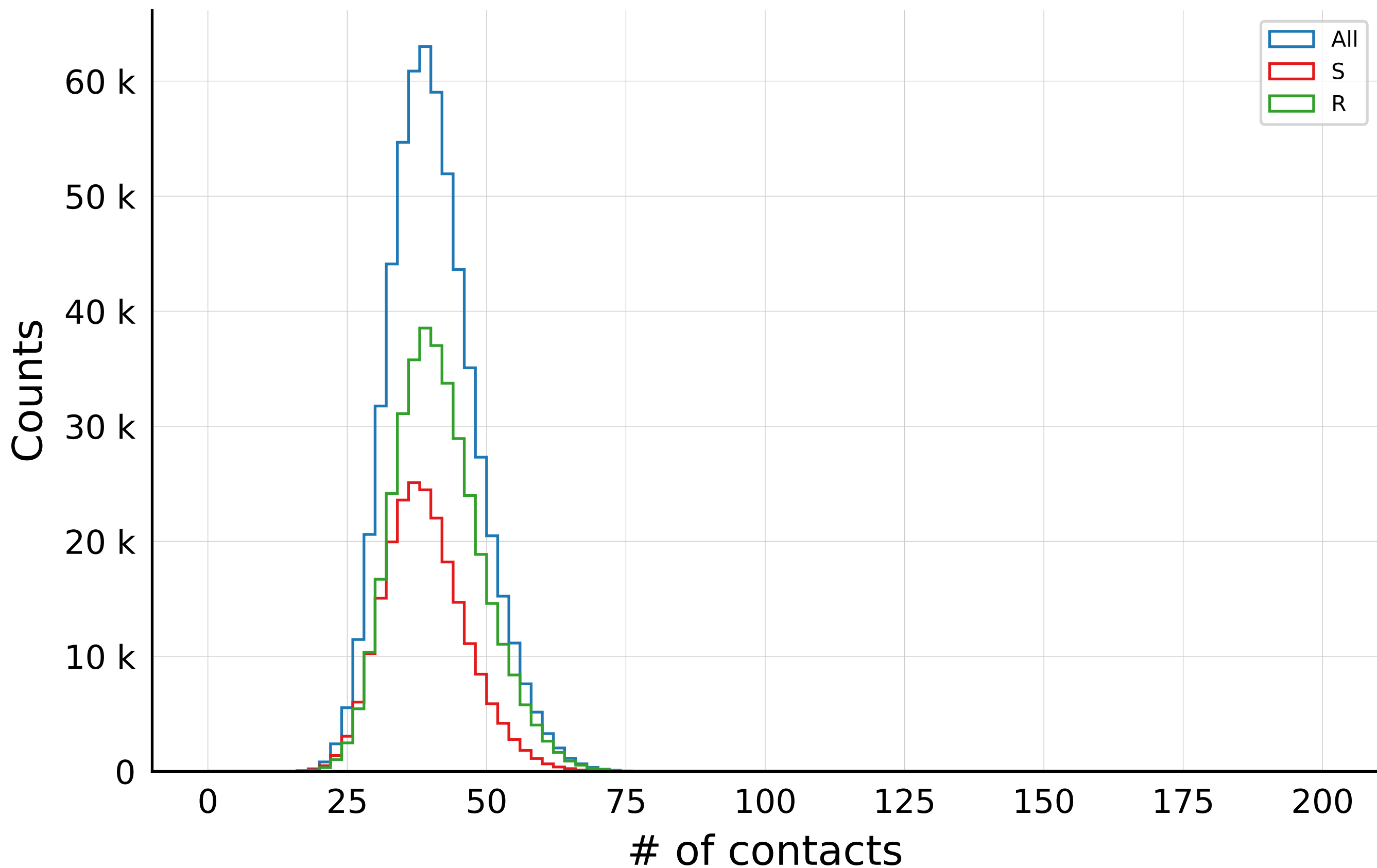
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.95$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



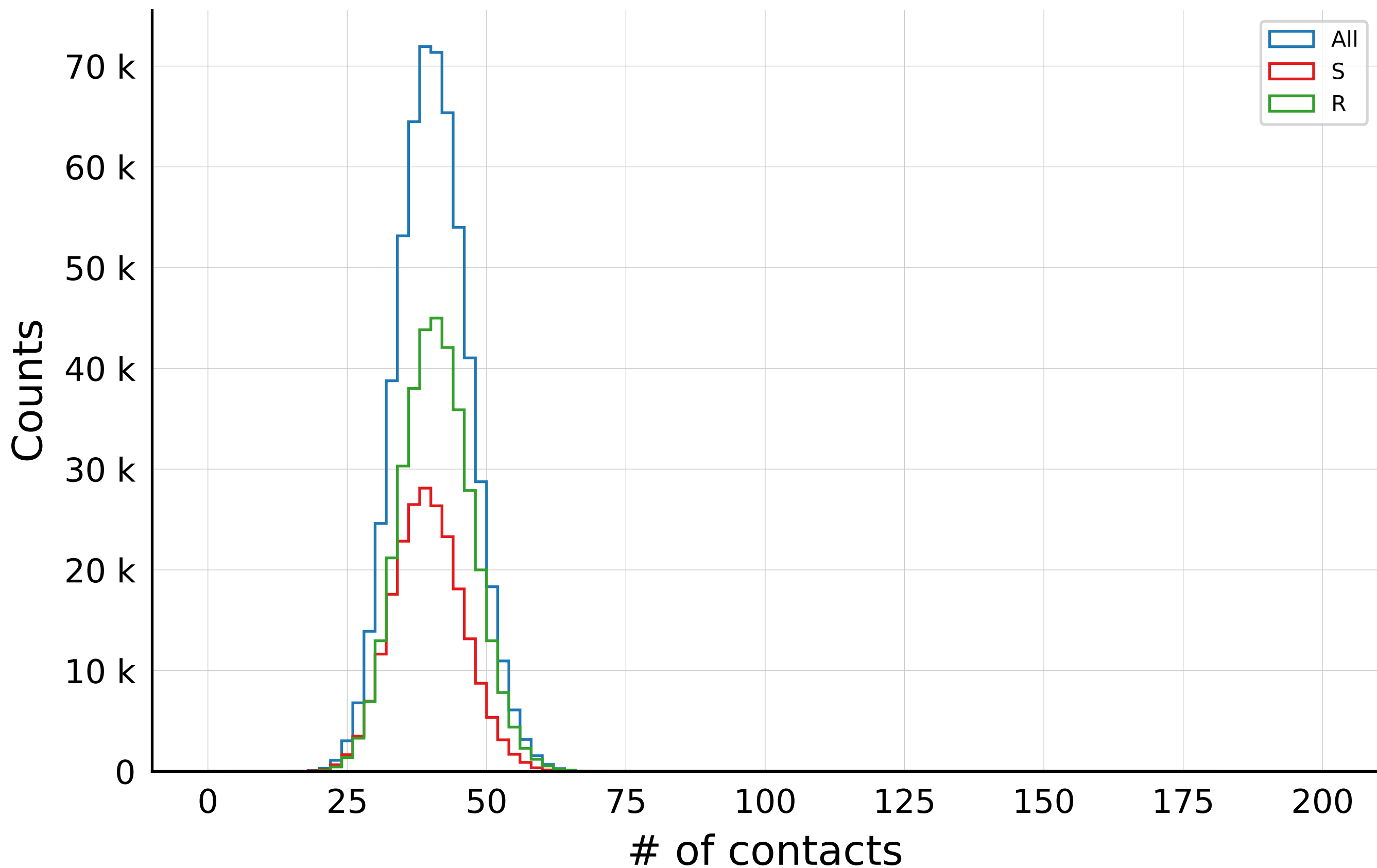
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_{\rho} = 0.99$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



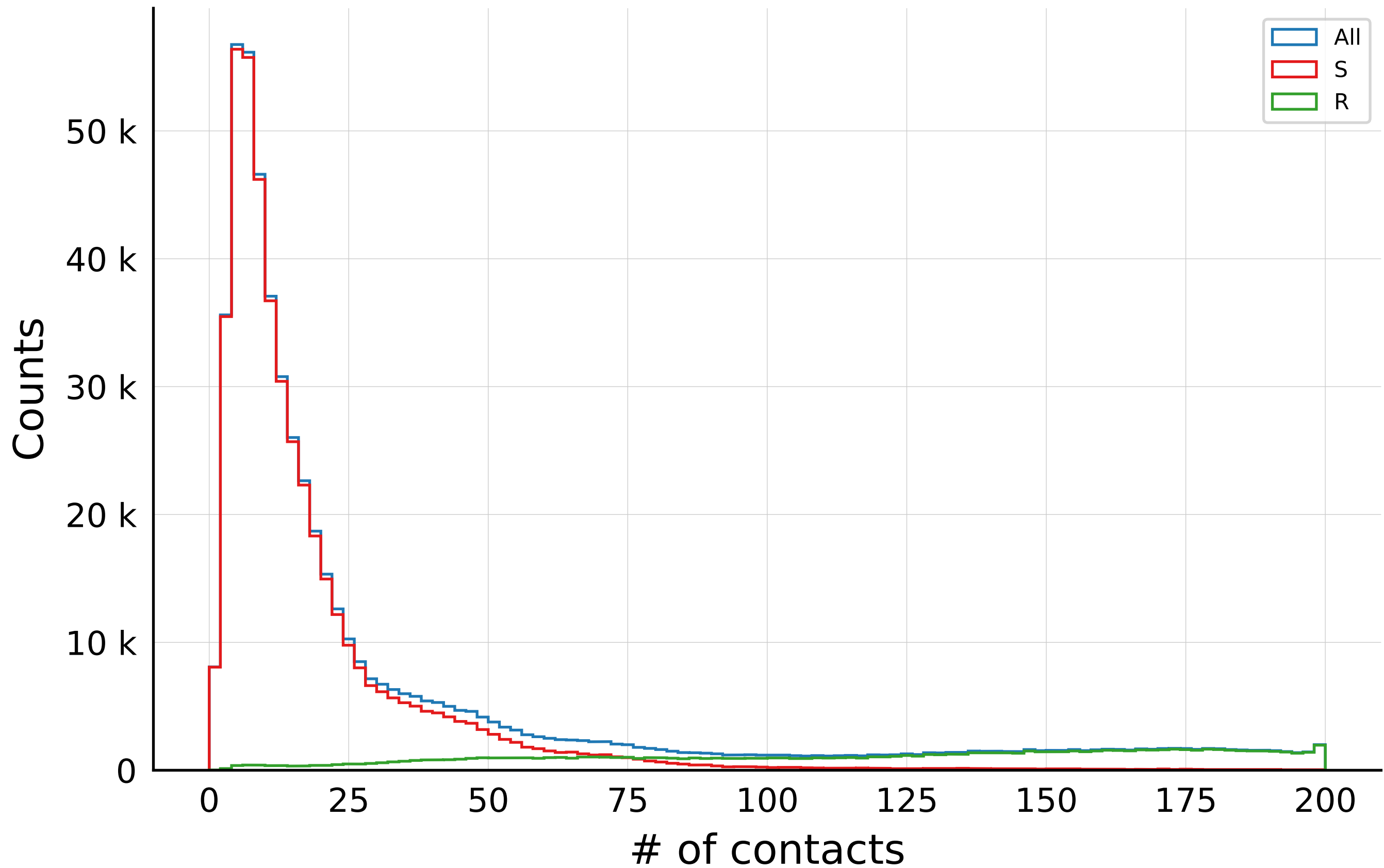
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 0.9, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



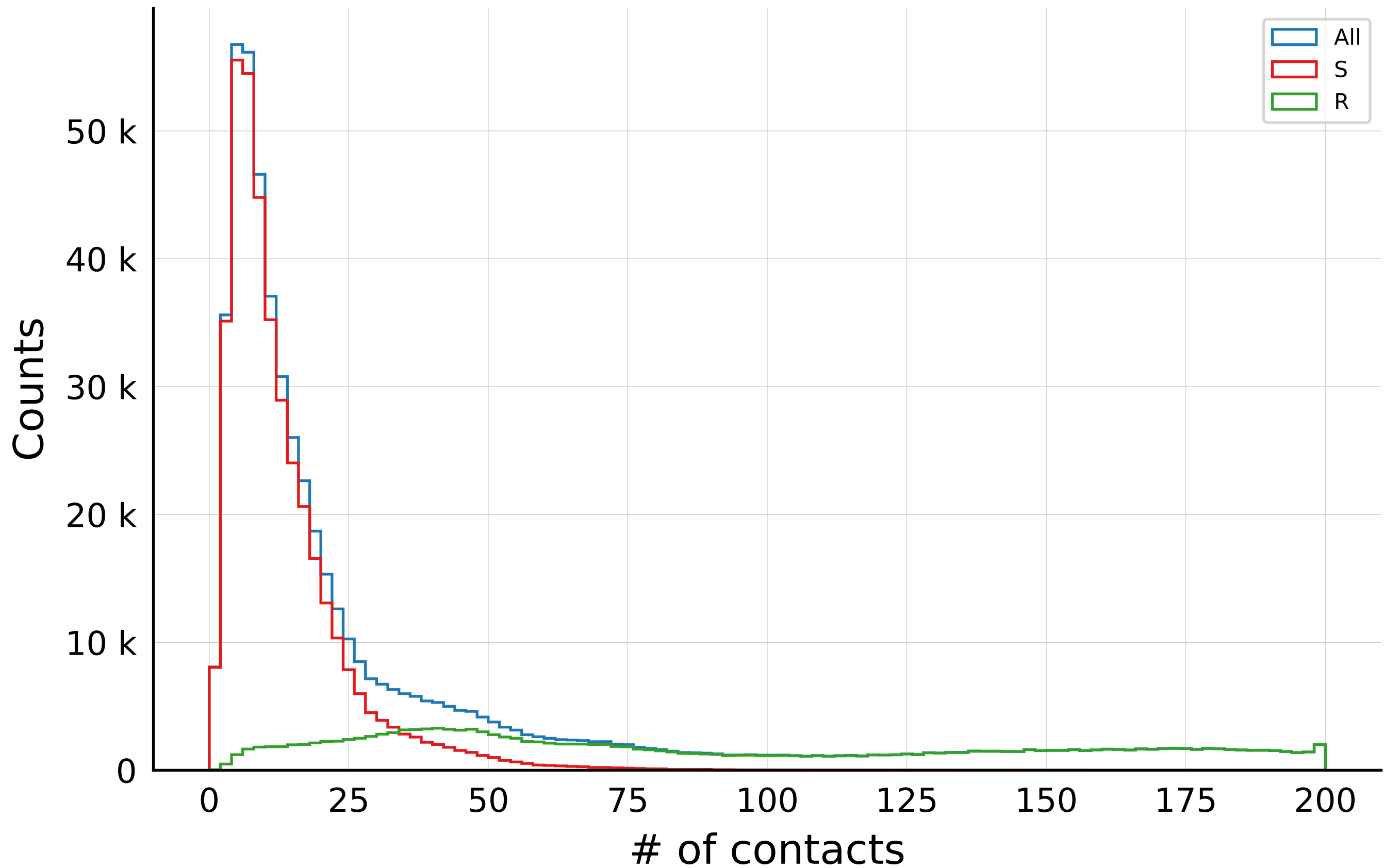
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.1, \epsilon_{\rho} = 1.0, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



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

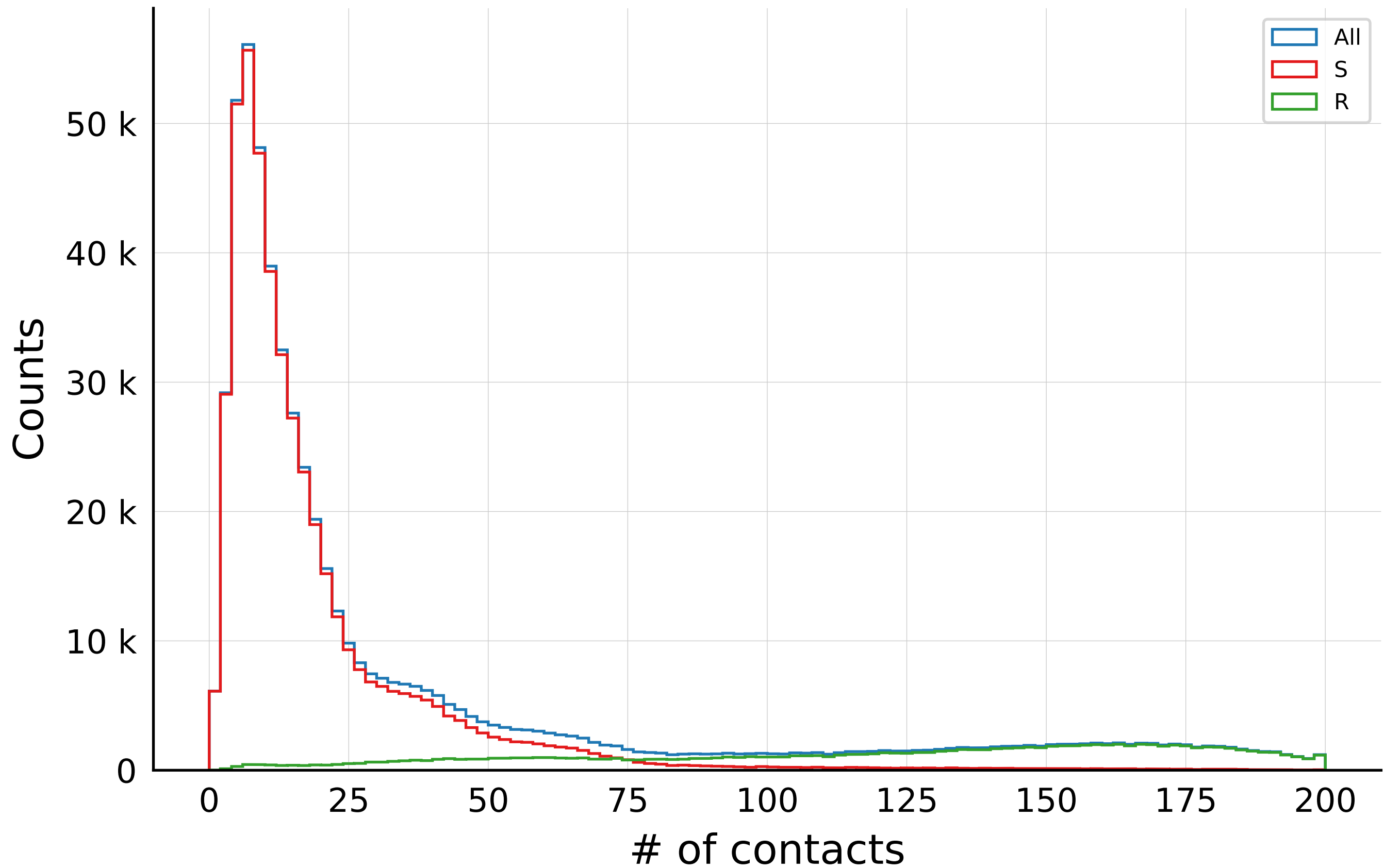


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.25, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

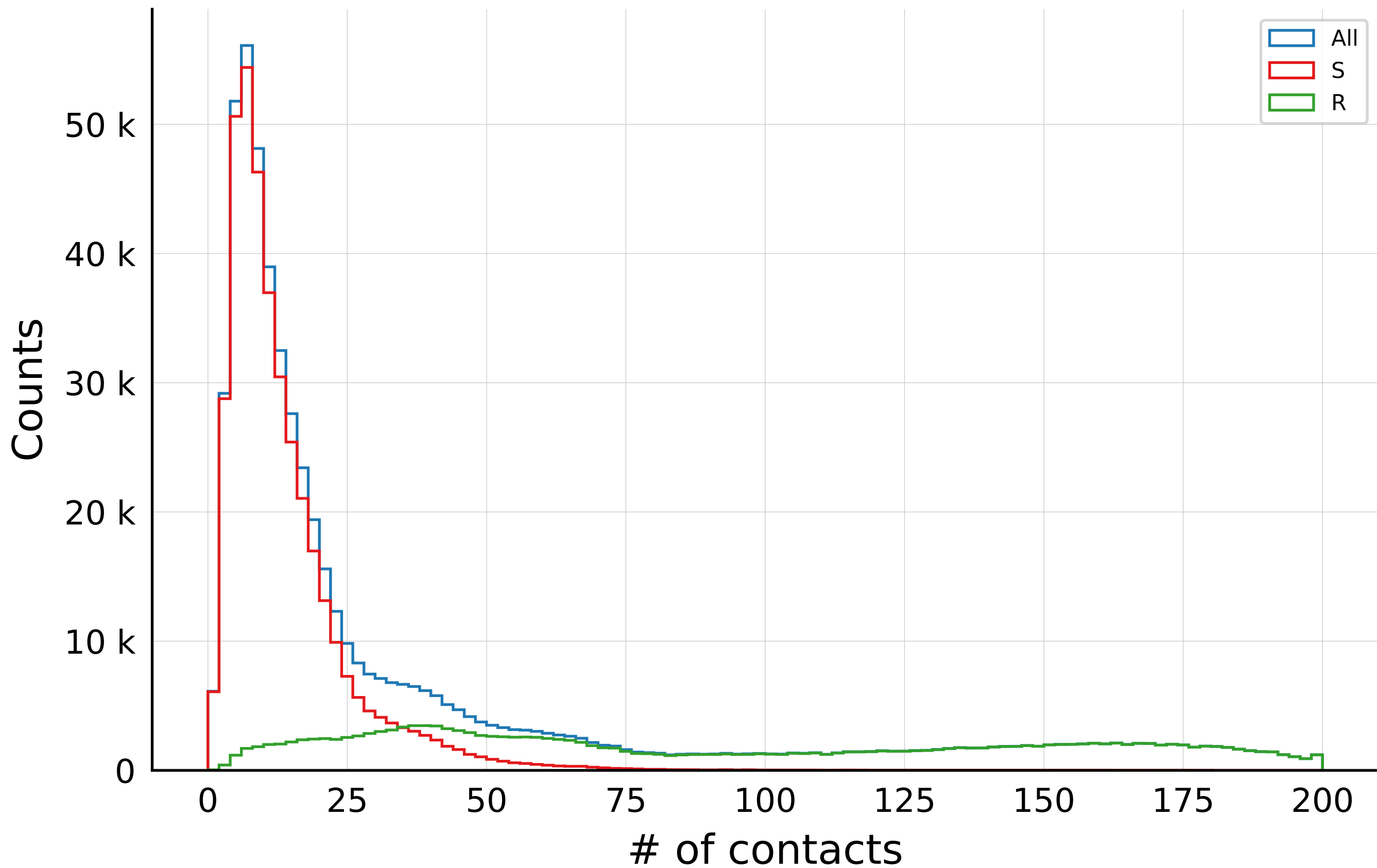


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.2$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.005$, $\sigma_{\beta} = 0.0$

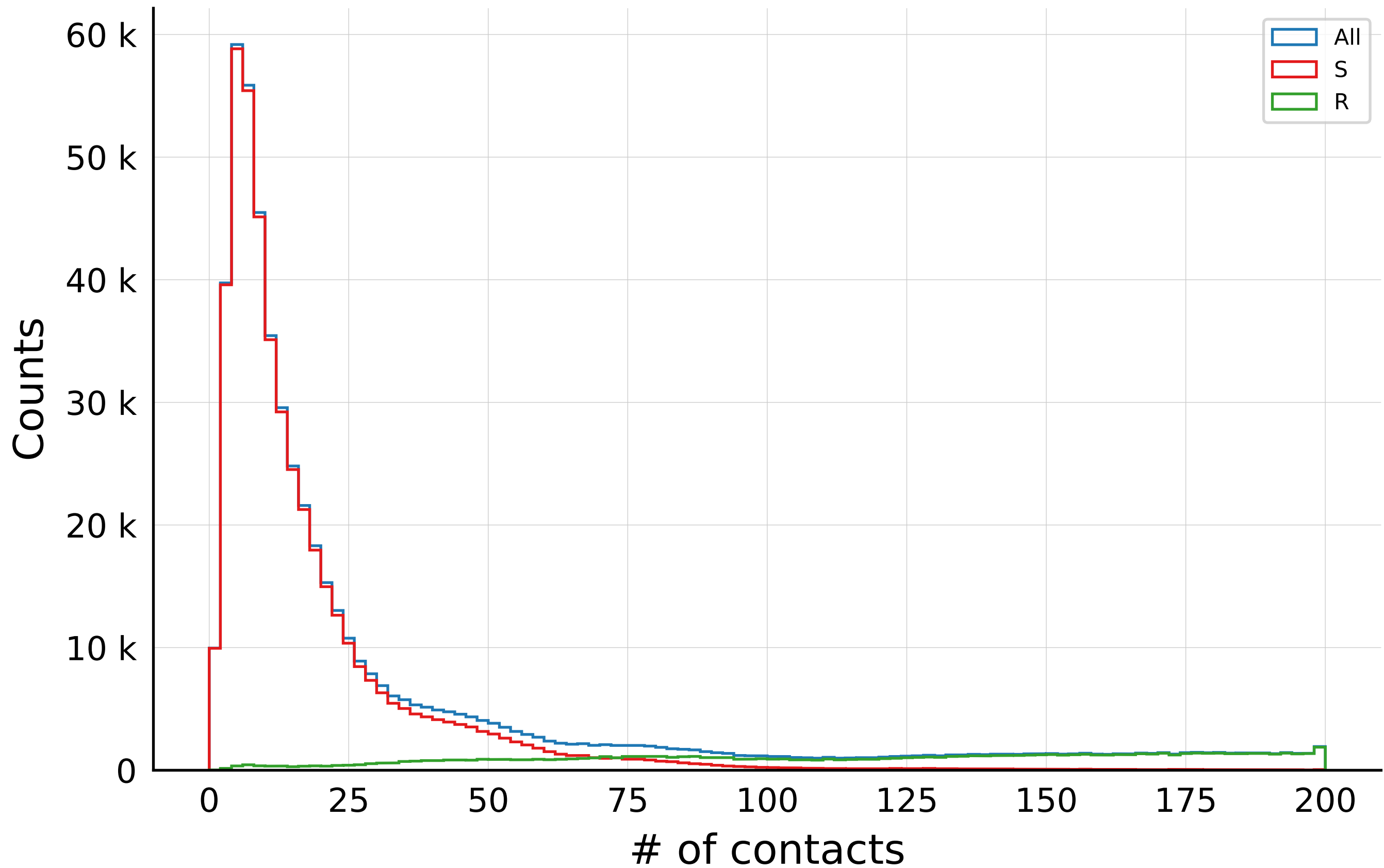
$\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



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

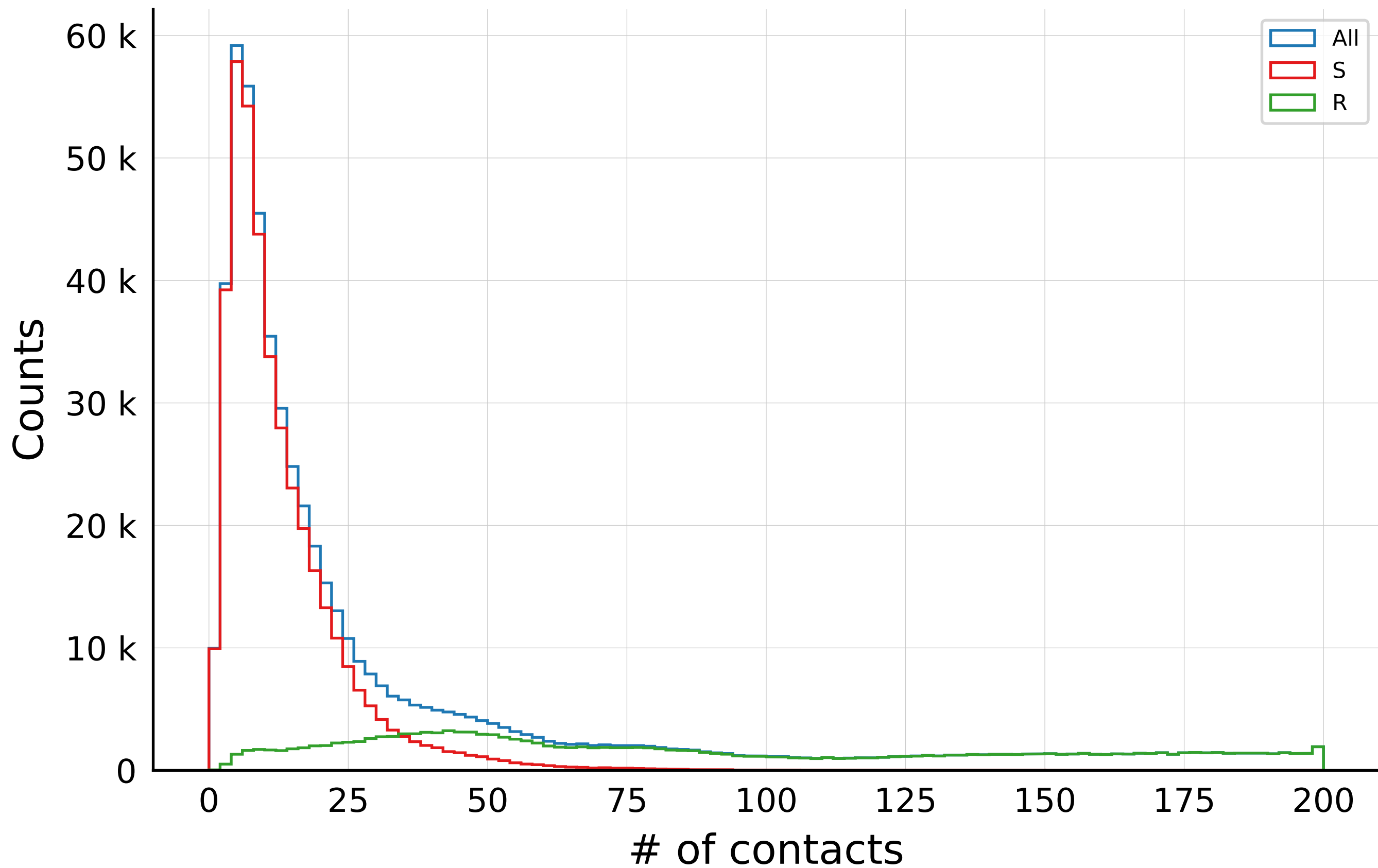


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.3, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.005, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



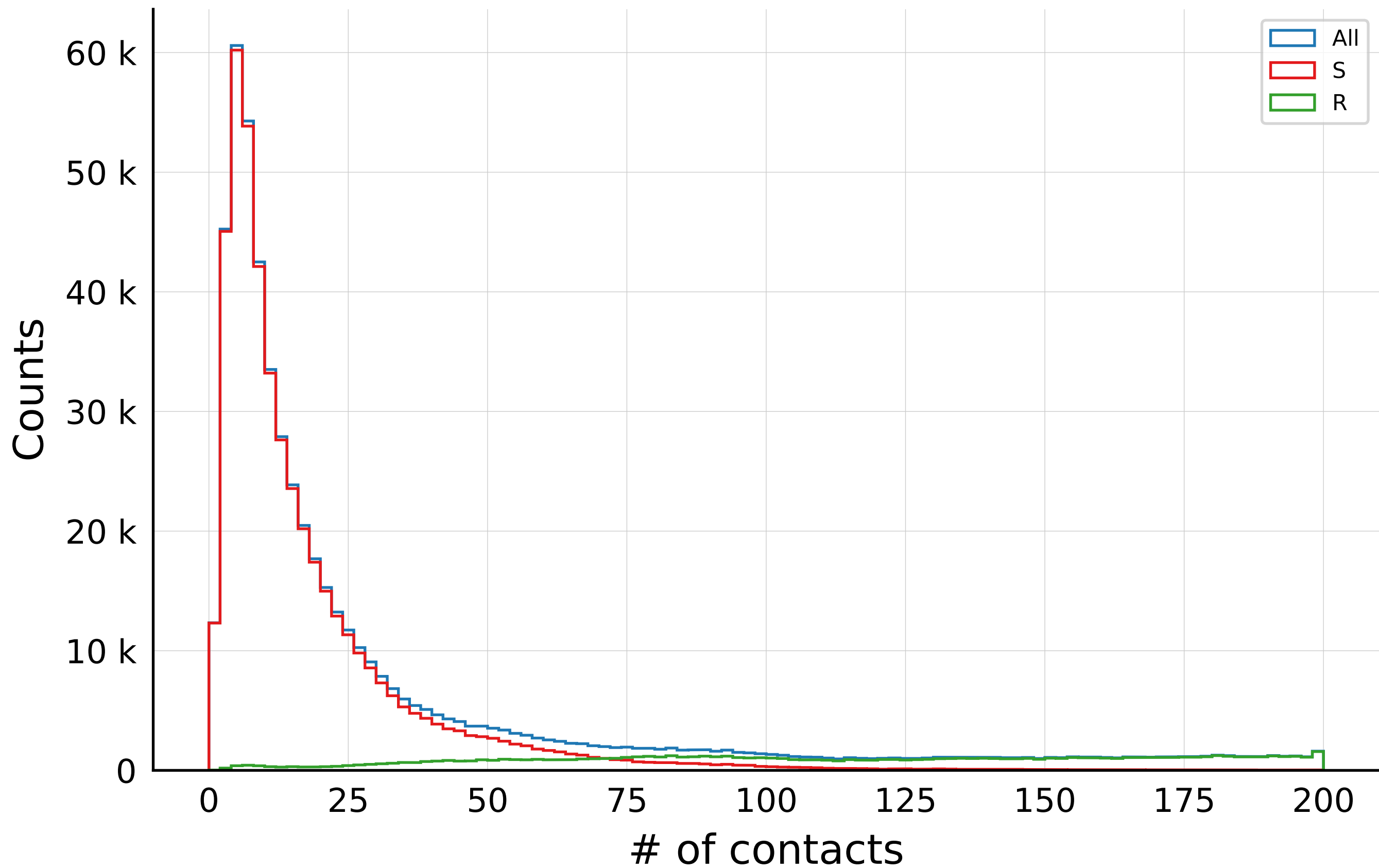
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.3, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$

$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



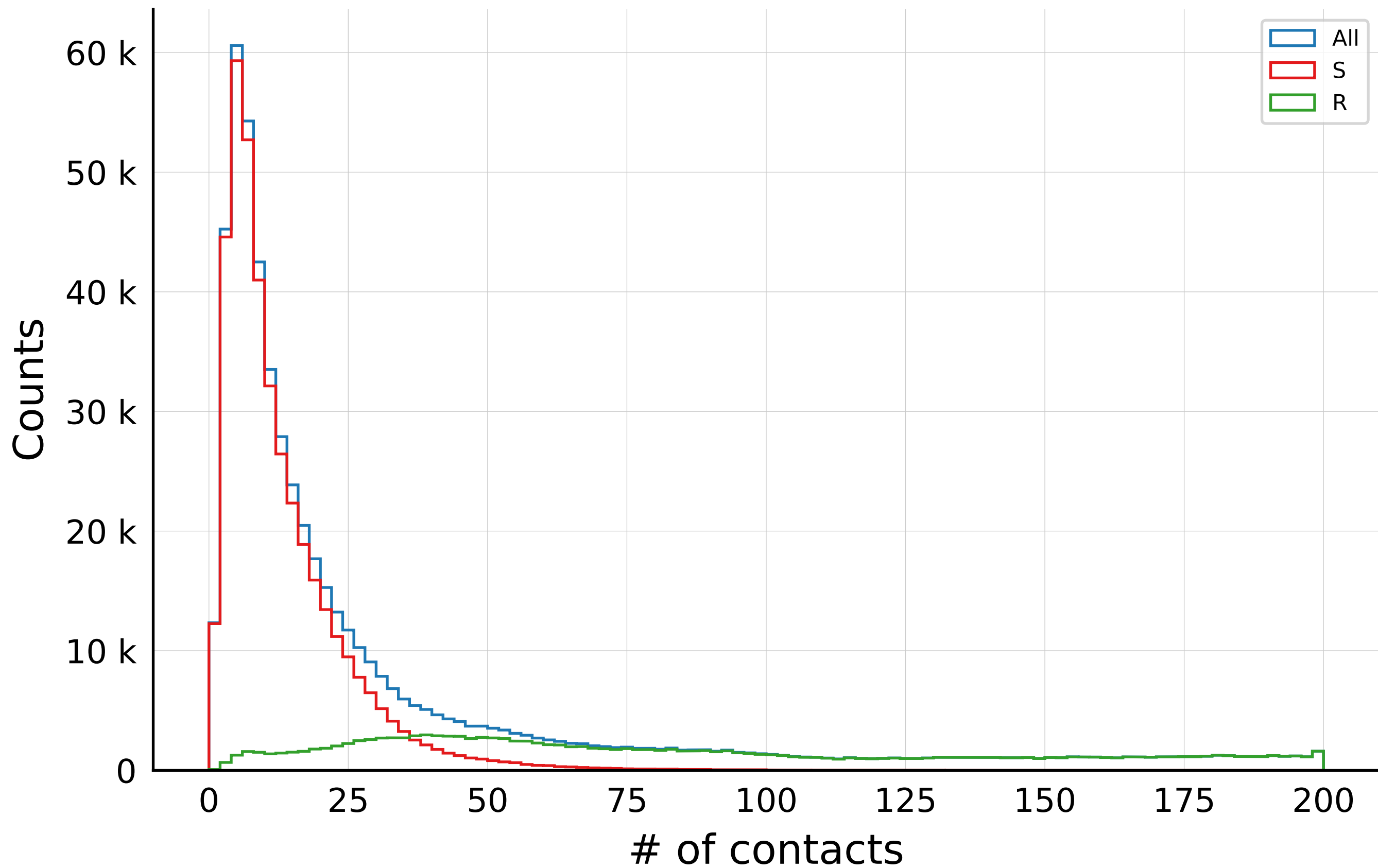
$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.4, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.005, \sigma_{\beta} = 0.0$$

$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$

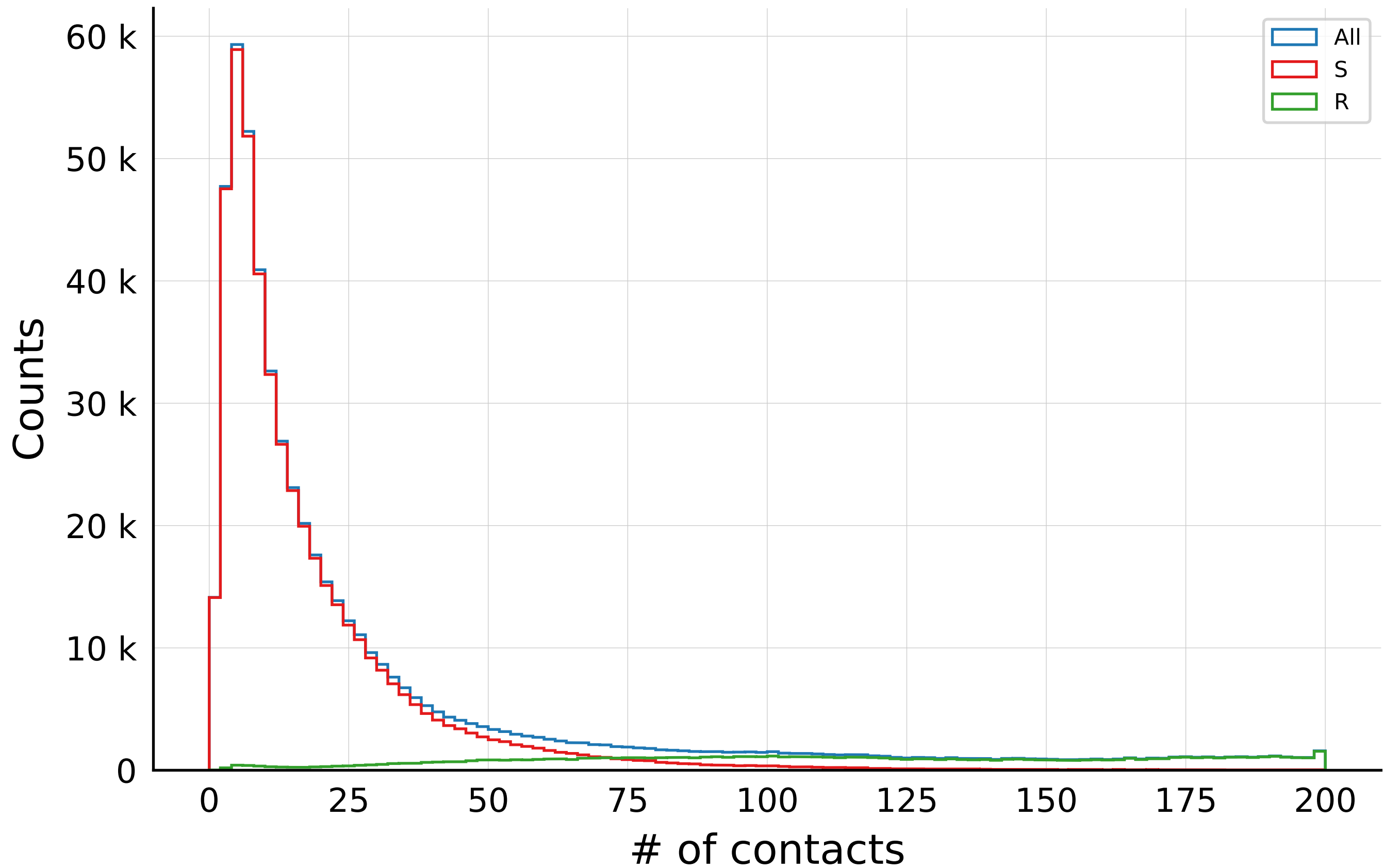


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.4, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$

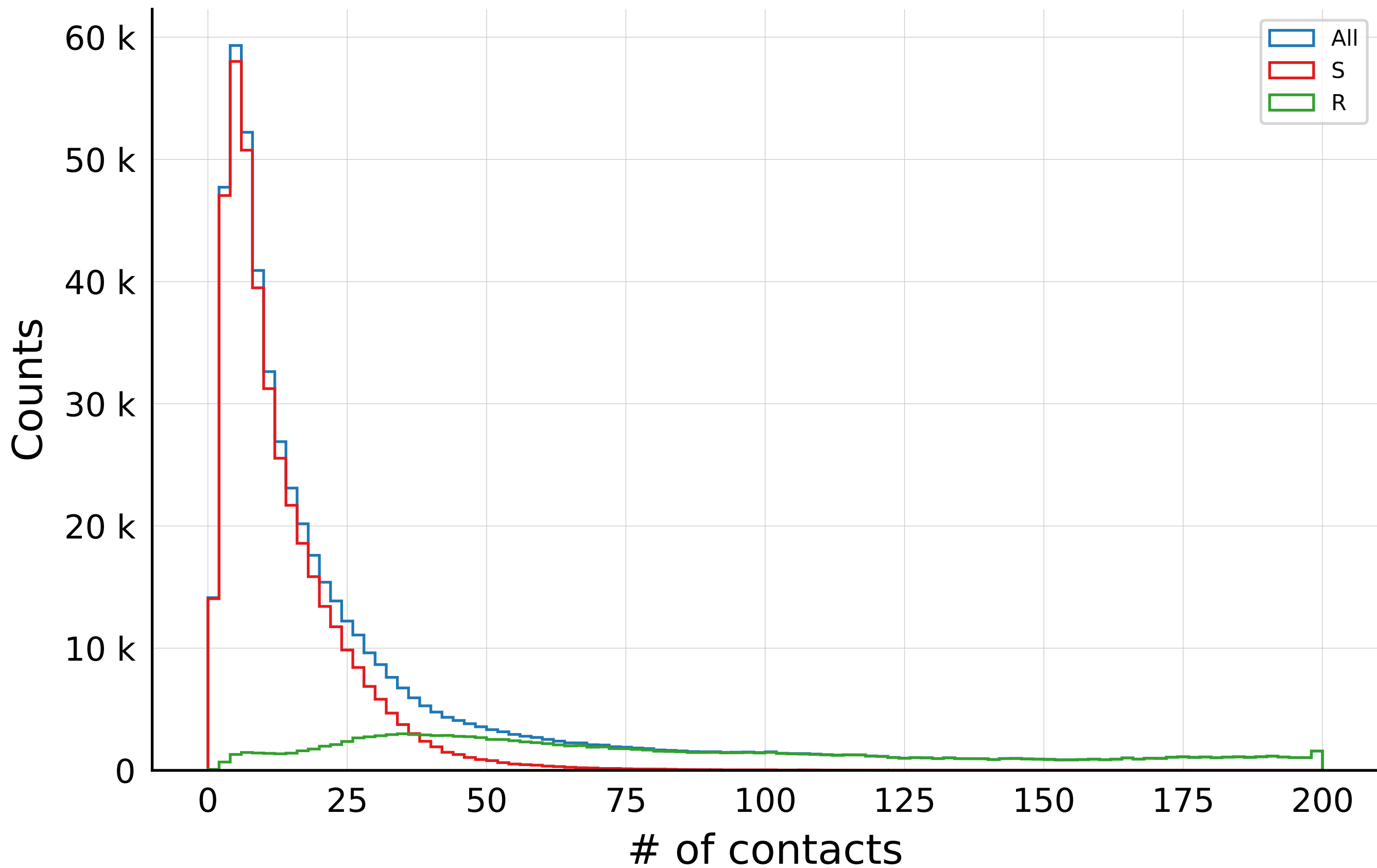
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



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

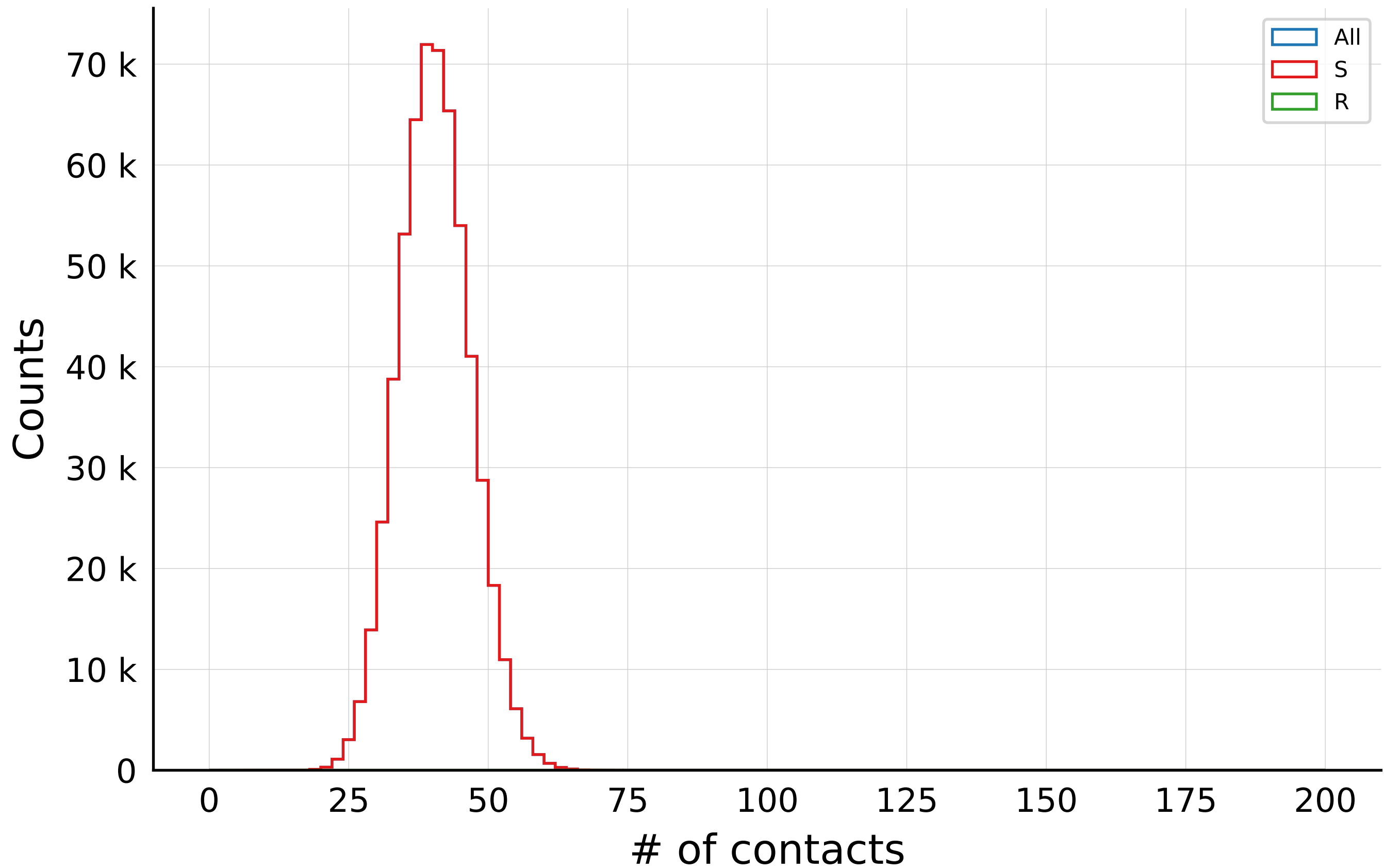


$$N_{\text{tot}} = 580K, N_{\text{init}} = 100, \rho = 0.5, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$
$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



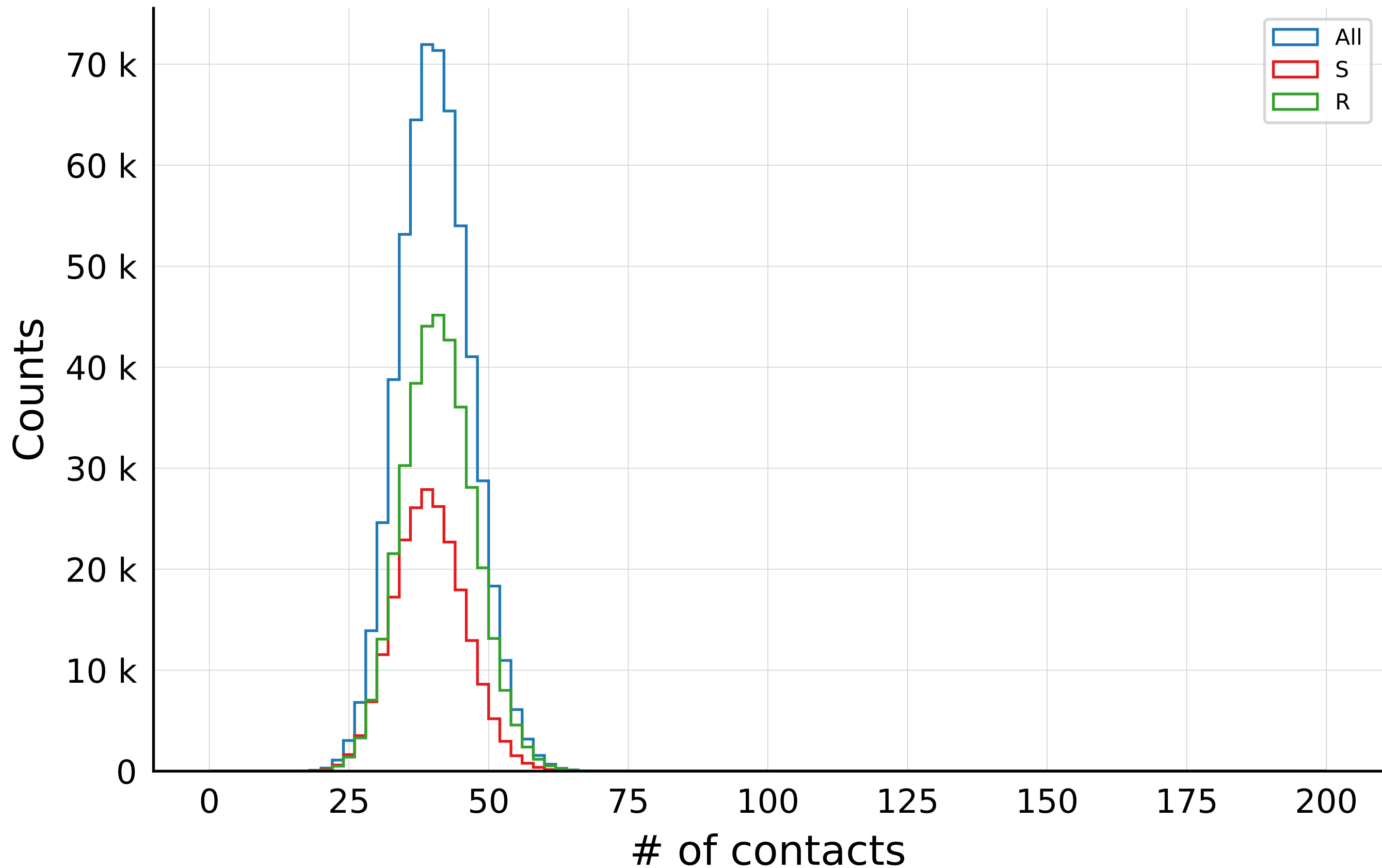
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 1$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$



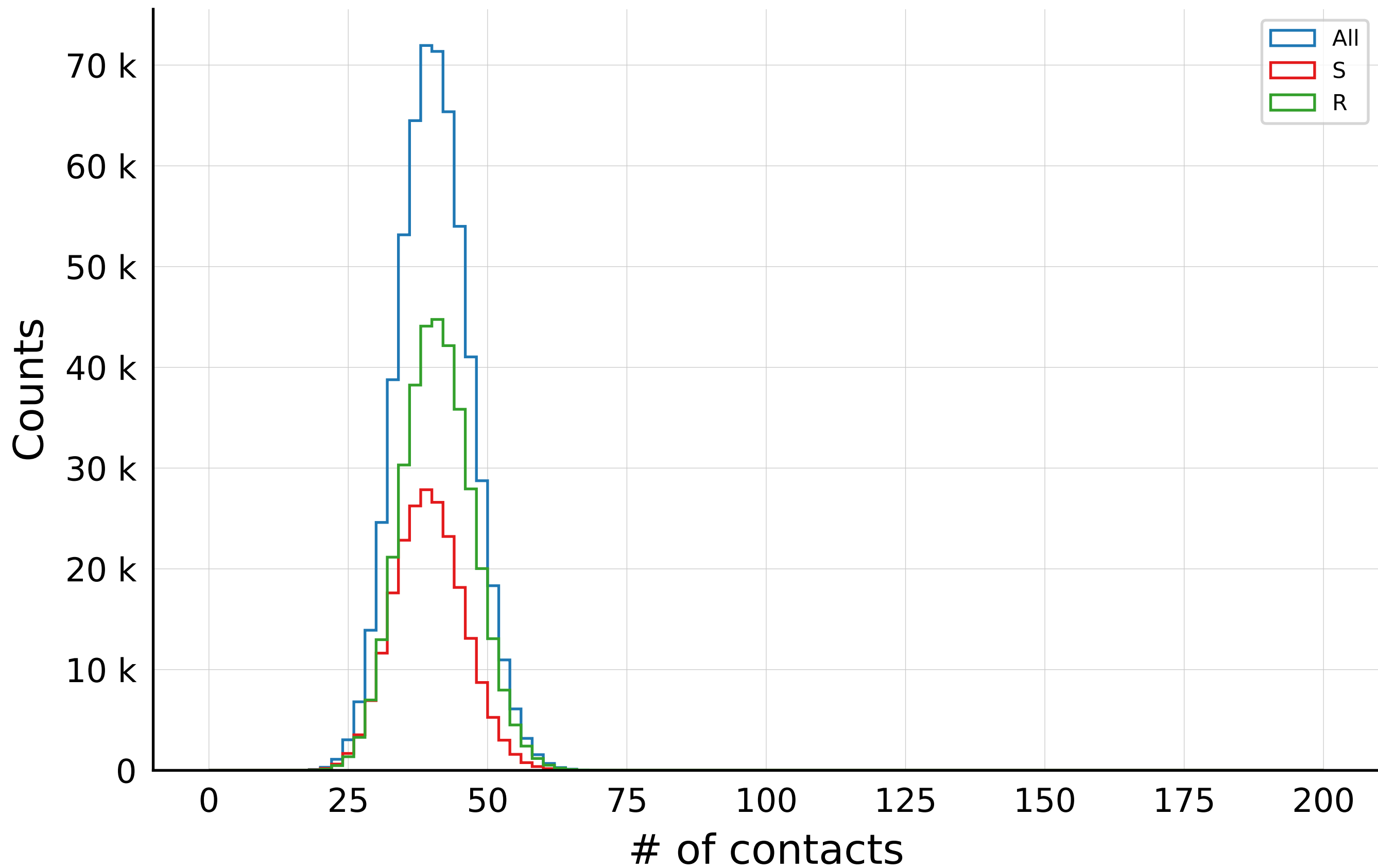
$$N_{\text{tot}} = 580K, N_{\text{init}} = 5K, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$

$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



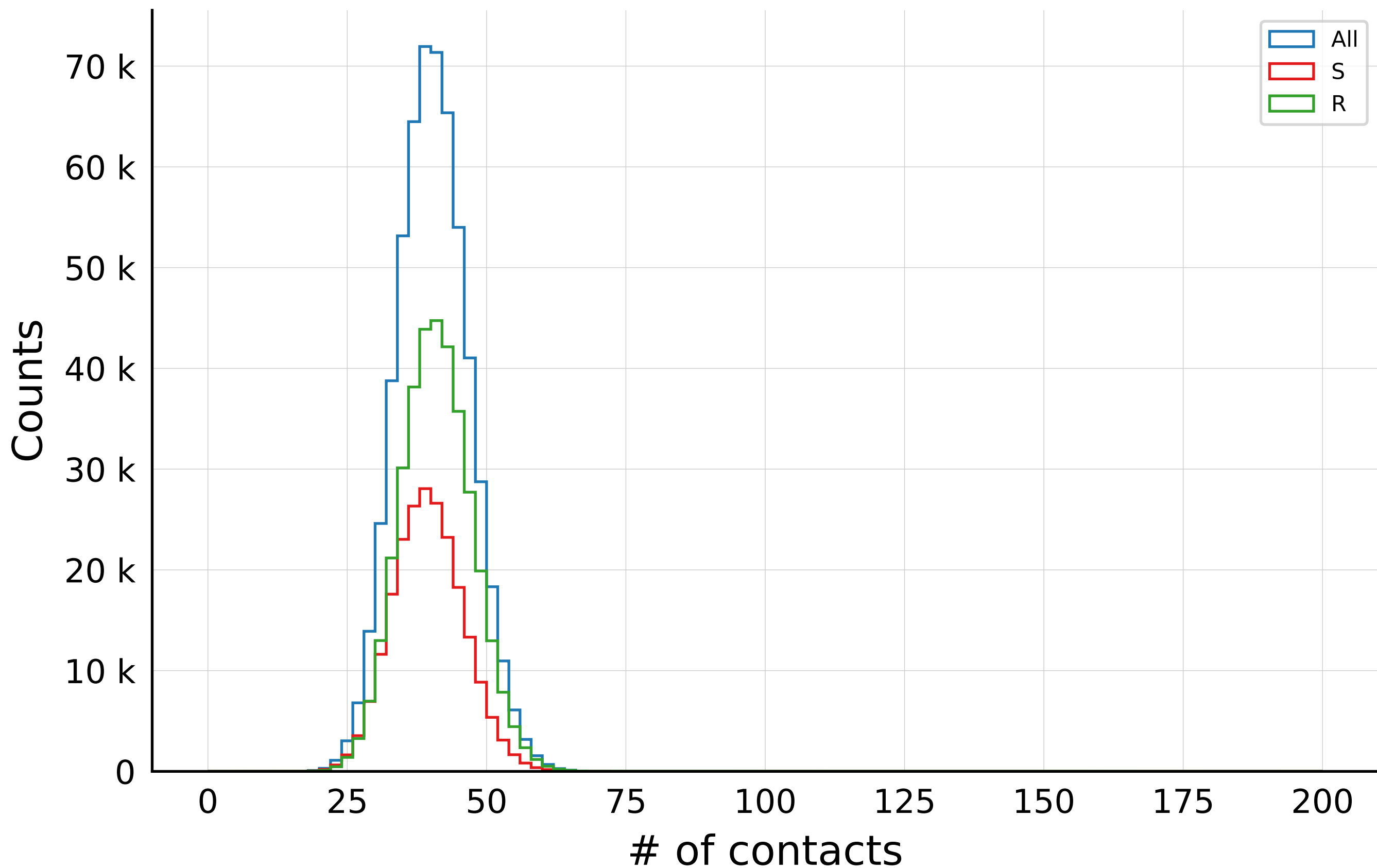
$$N_{\text{tot}} = 580K, N_{\text{init}} = 500, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$

$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



$$N_{\text{tot}} = 580K, N_{\text{init}} = 50, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 40.0, \sigma_{\mu} = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0$$

$$\lambda_E = 1.0, \lambda_I = 1.0, \text{algo} = 2, ID = 0$$



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 5$, $\rho = 0.0$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, $ID = 0$

