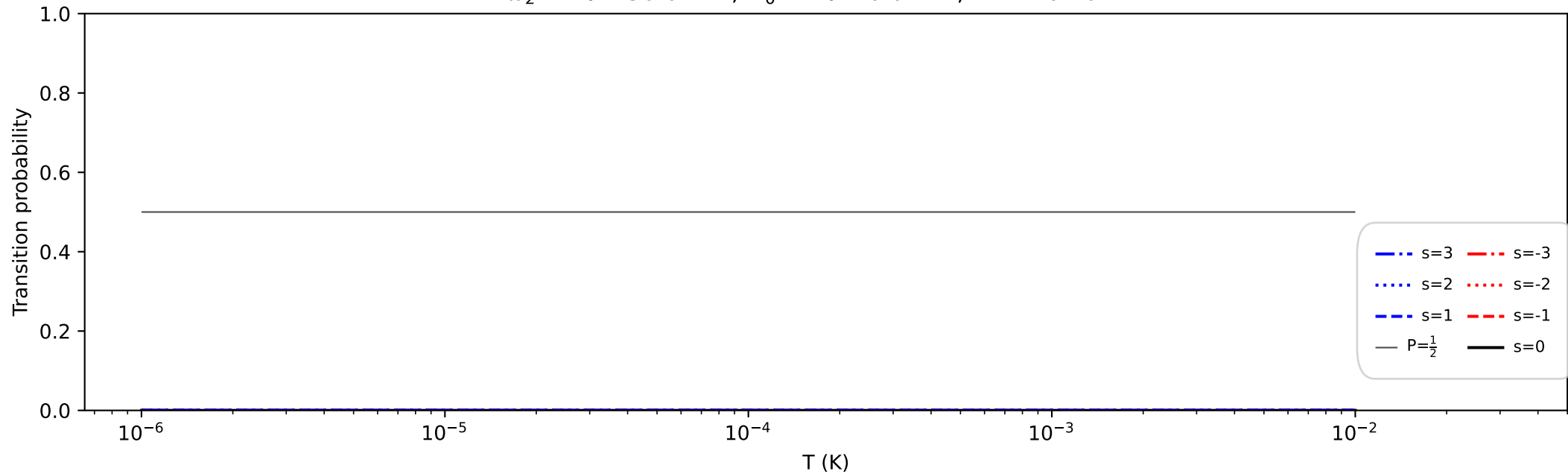
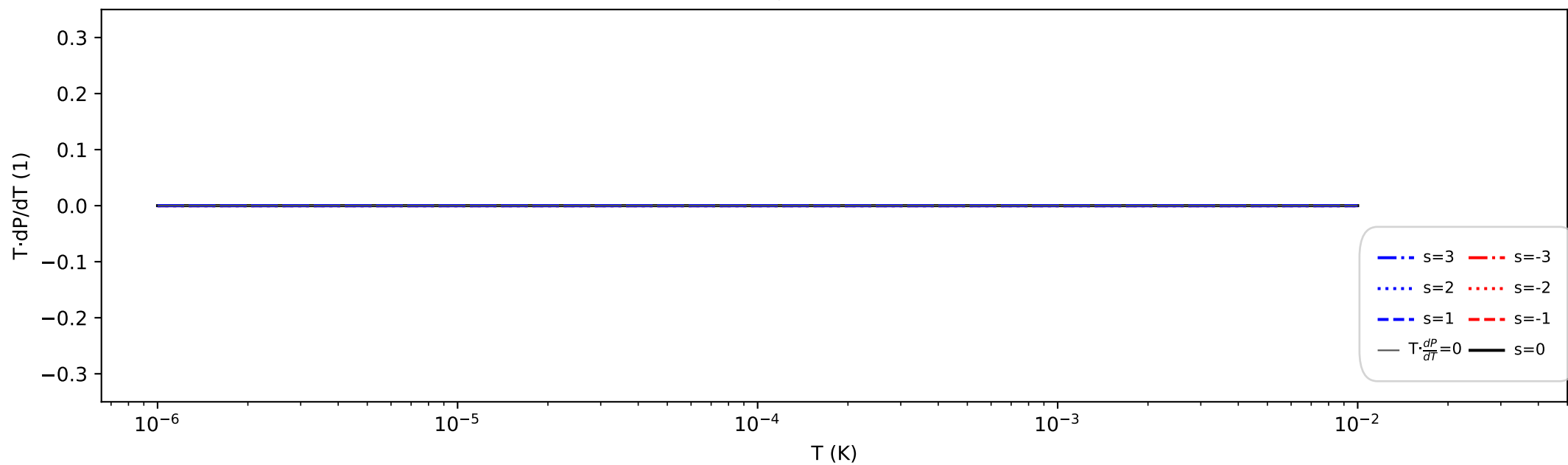


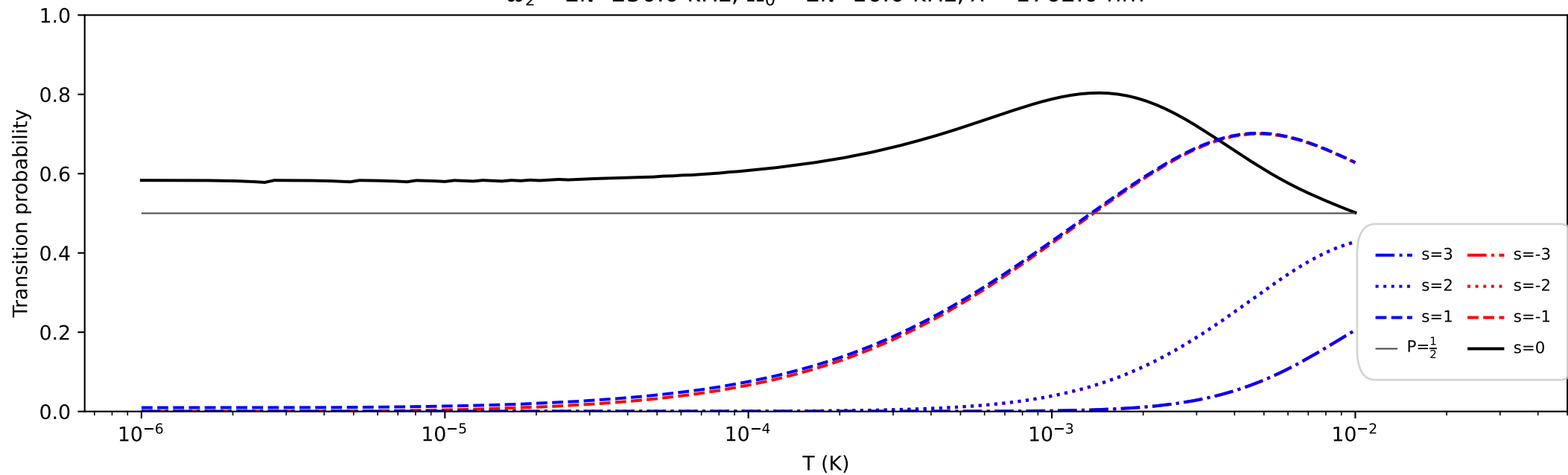
$\frac{0}{1}\pi$ -pulse,  $n=0$ ,  $P_{\geq n_{max}}=0.01$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm



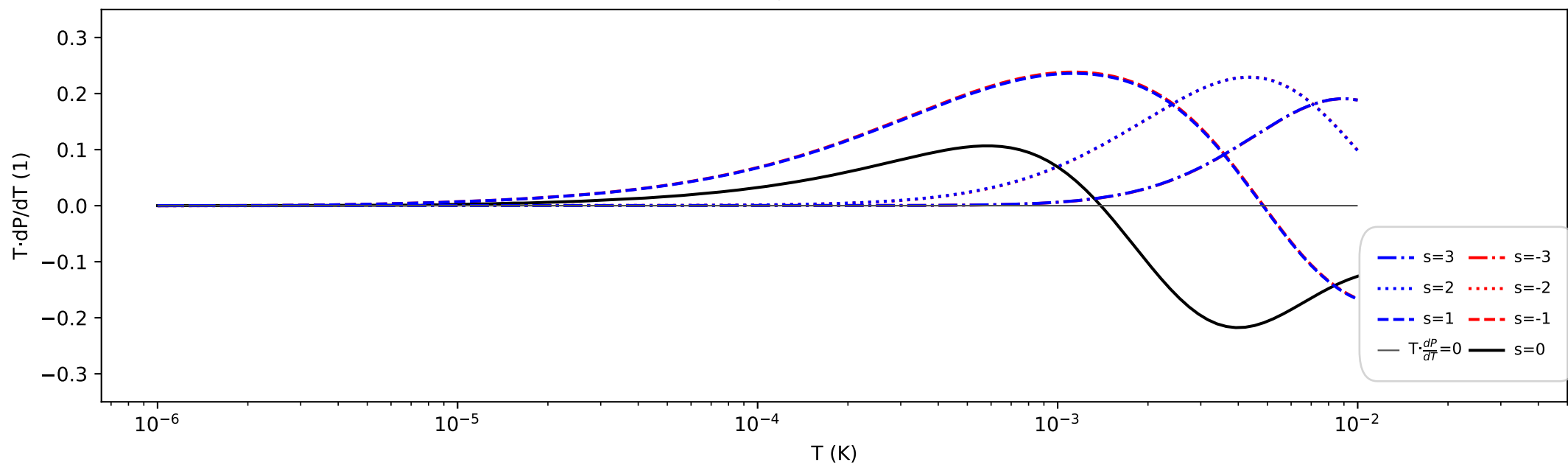
$\frac{0}{1}\pi$ -pulse,  $n=0$ ,  $C=-0.001$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm



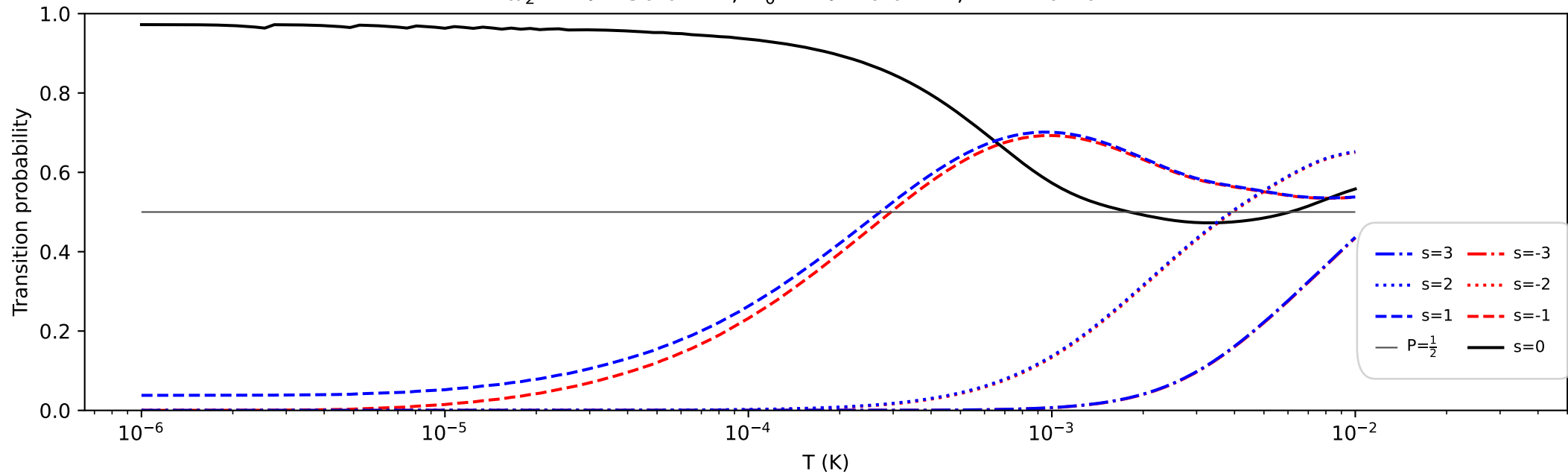
$\frac{1}{16}\pi$ -pulse,  $n=0$ ,  $P_{\geq n_{\max}}=0.01$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm



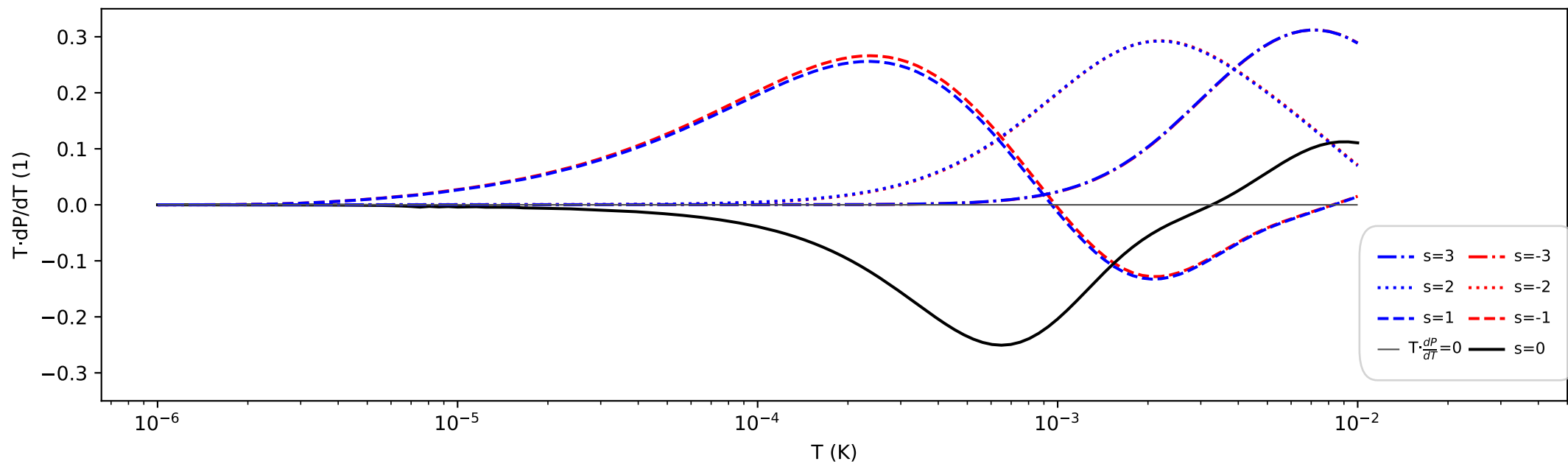
$\frac{1}{16}\pi$ -pulse,  $n=0$ ,  $C=-0.001$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm



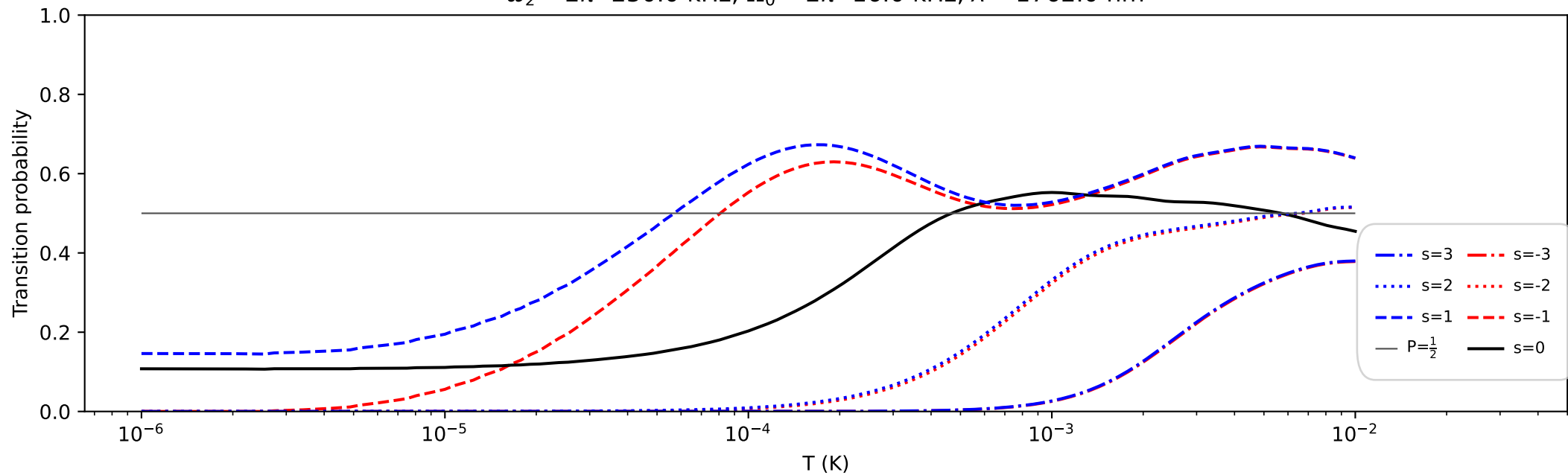
$\frac{1}{8}\pi$ -pulse,  $n=0$ ,  $P_{\geq n_{max}}=0.01$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm



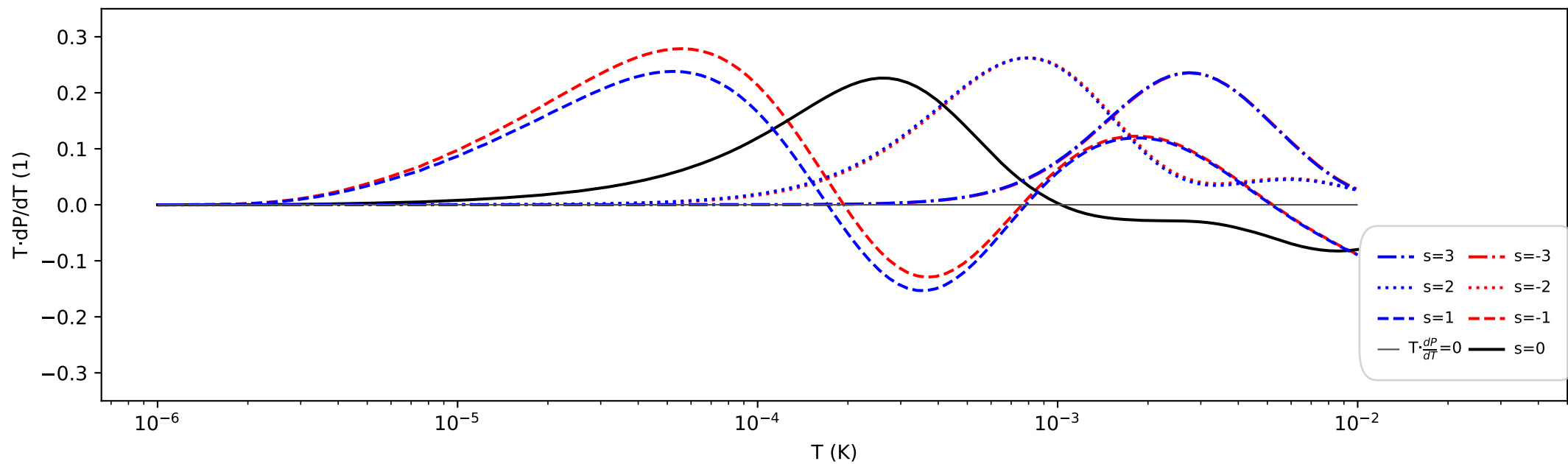
$\frac{1}{8}\pi$ -pulse,  $n=0$ ,  $C=-0.001$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm



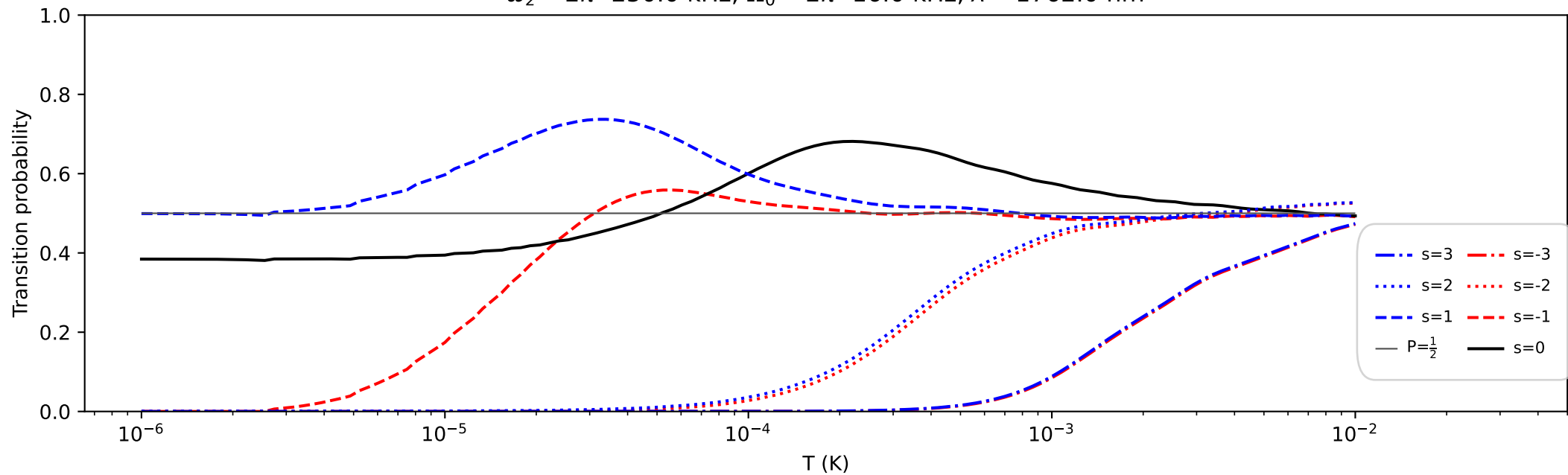
$\frac{1}{4}\pi$ -pulse,  $n=0$ ,  $P_{\geq n_{max}}=0.01$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm



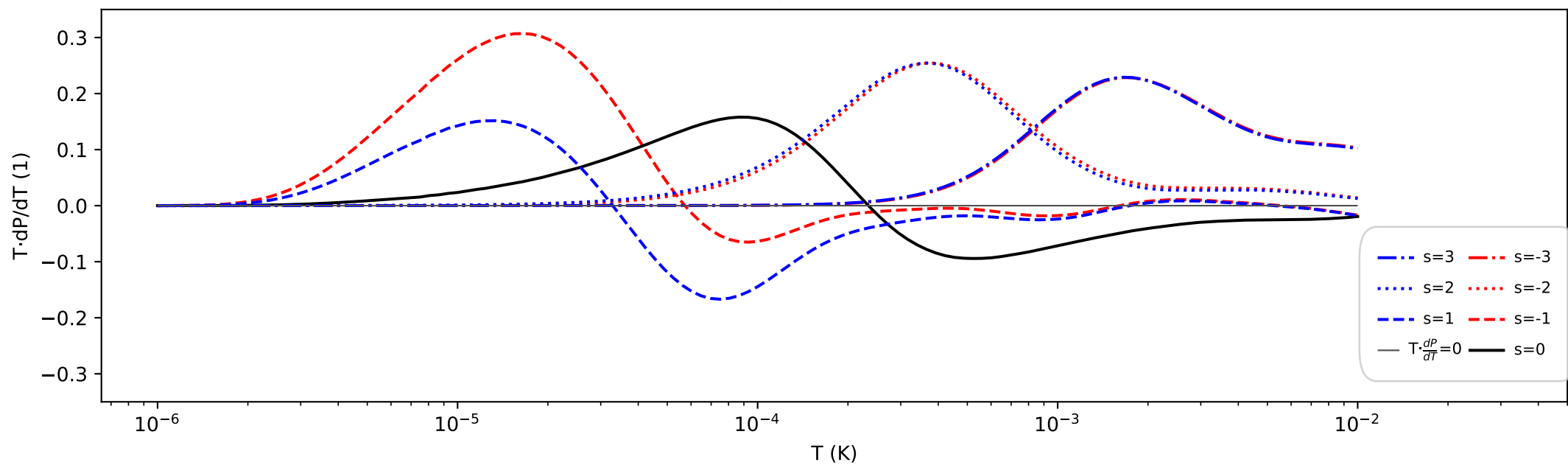
$\frac{1}{4}\pi$ -pulse,  $n=0$ ,  $C=-0.001$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm



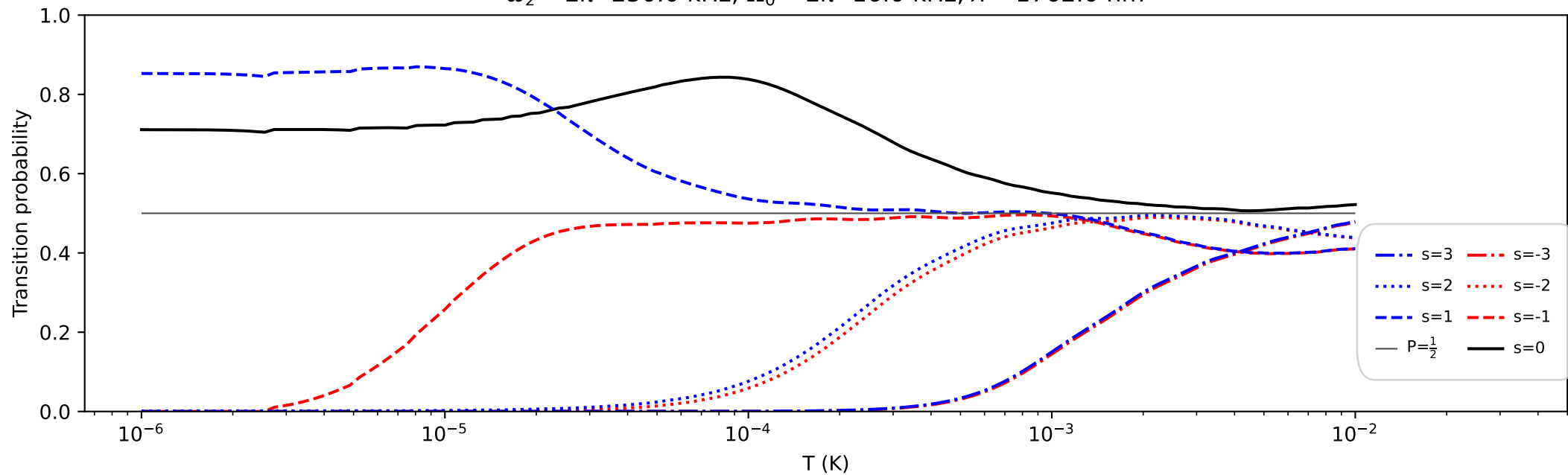
$\frac{1}{2}\pi$ -pulse,  $n=0$ ,  $P_{\geq n_{\max}}=0.01$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm



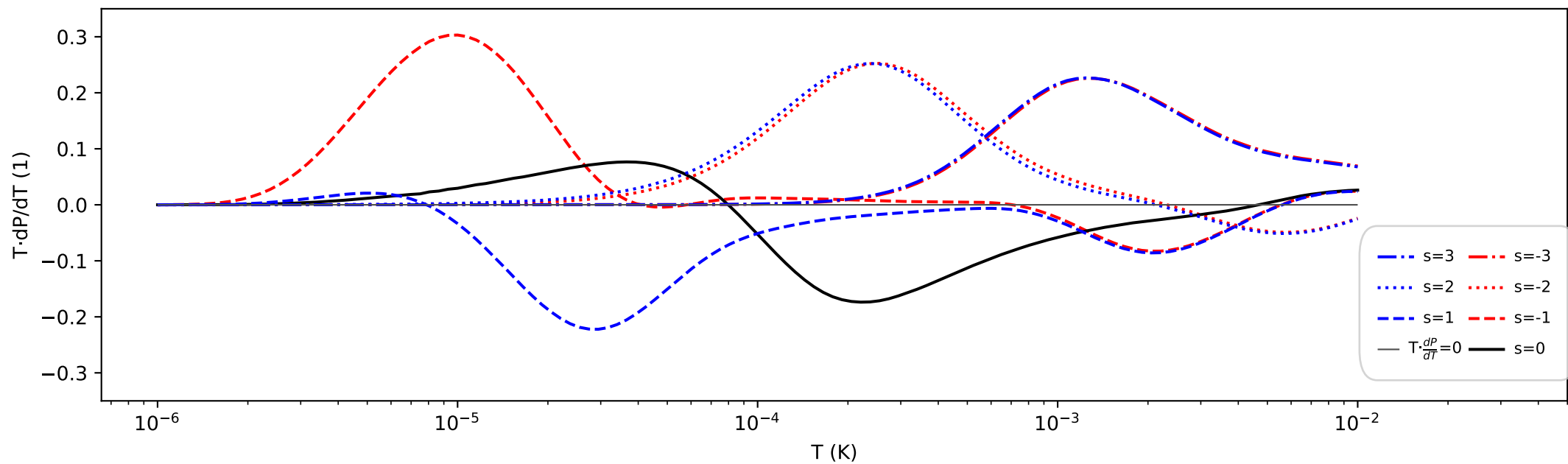
$\frac{1}{2}\pi$ -pulse,  $n=0$ ,  $C=-0.001$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm



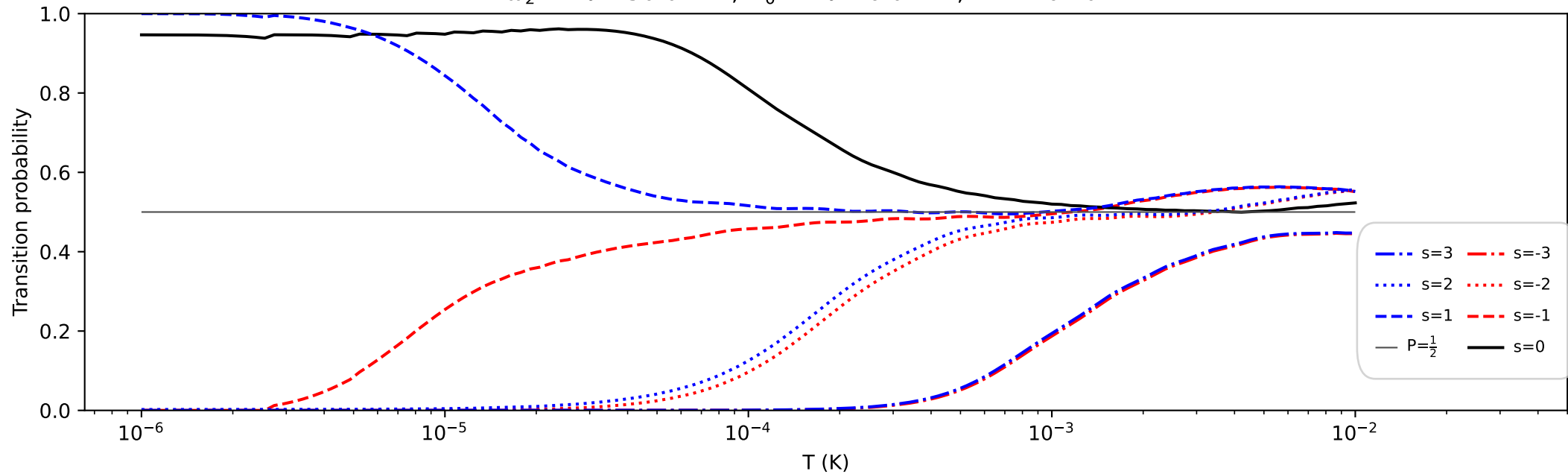
$\frac{3}{4}\pi$ -pulse,  $n=0$ ,  $P_{\geq n_{\max}}=0.01$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm



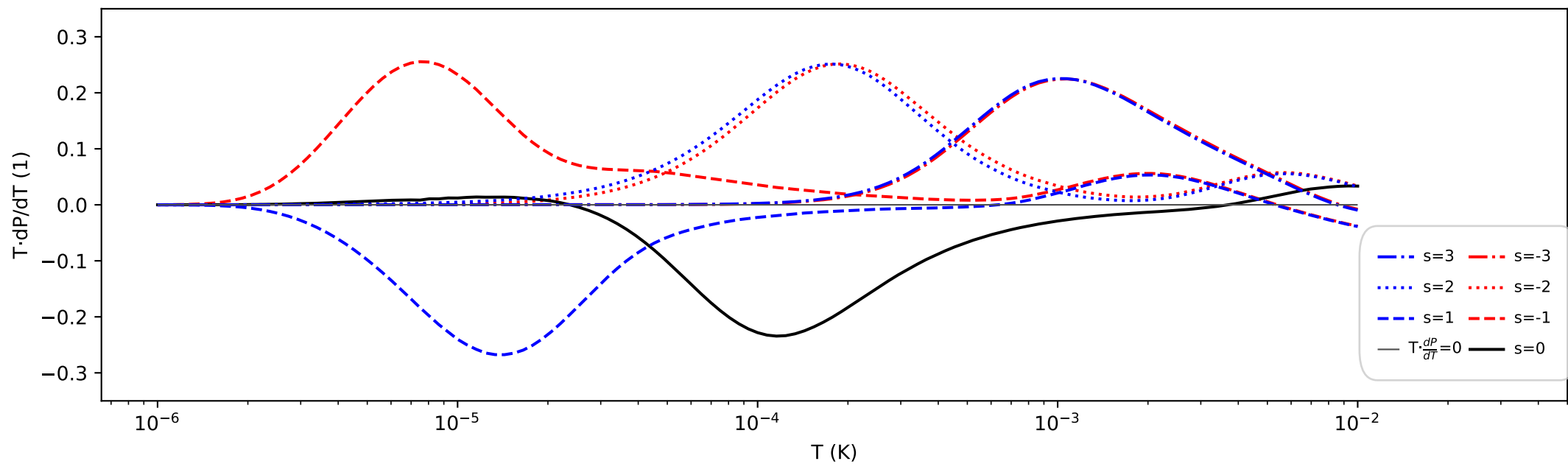
$\frac{3}{4}\pi$ -pulse,  $n=0$ ,  $C=-0.001$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm



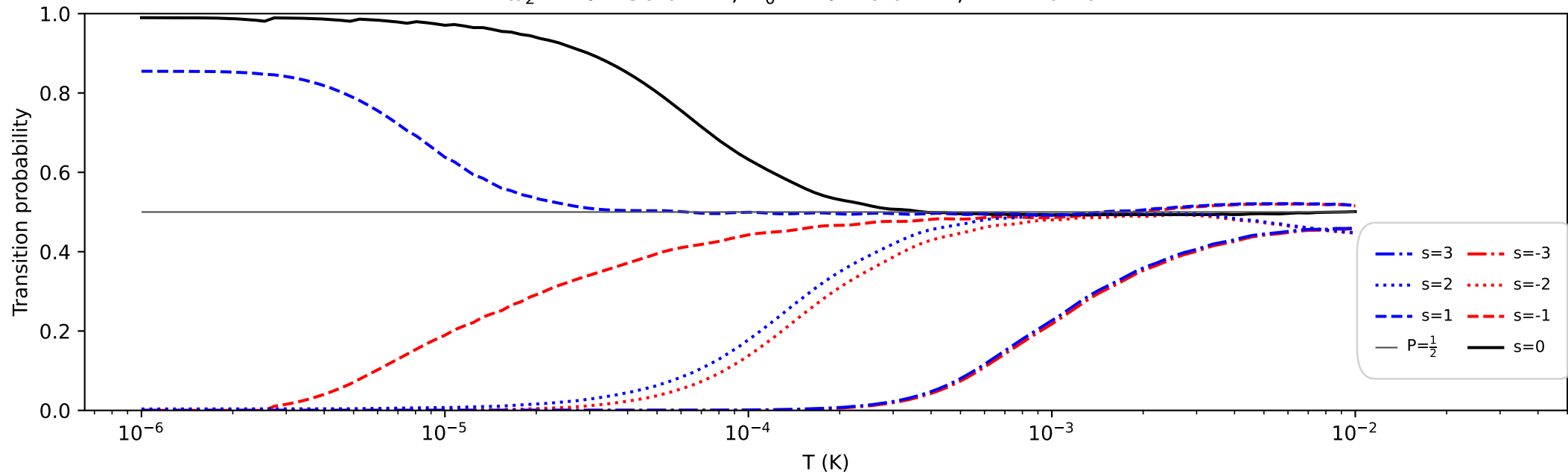
$\frac{1}{2}\pi$ -pulse,  $n=0$ ,  $P_{\geq n_{max}}=0.01$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm



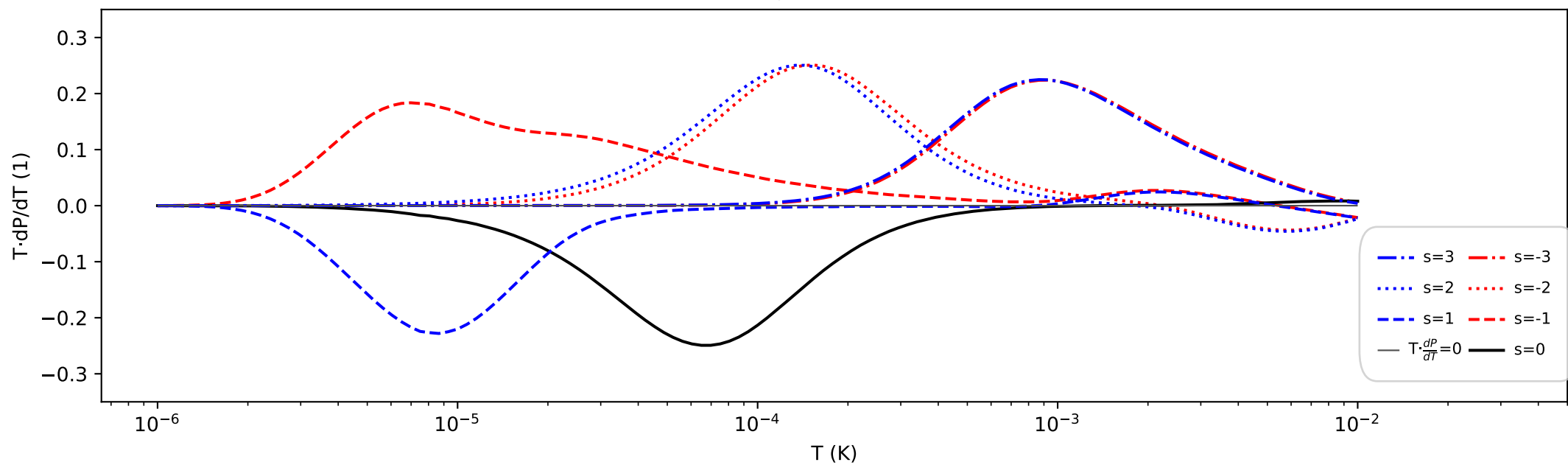
$\frac{1}{2}\pi$ -pulse,  $n=0$ ,  $C=-0.001$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm



$\frac{5}{4}\pi$ -pulse,  $n=0$ ,  $P_{\geq n_{\max}}=0.01$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm

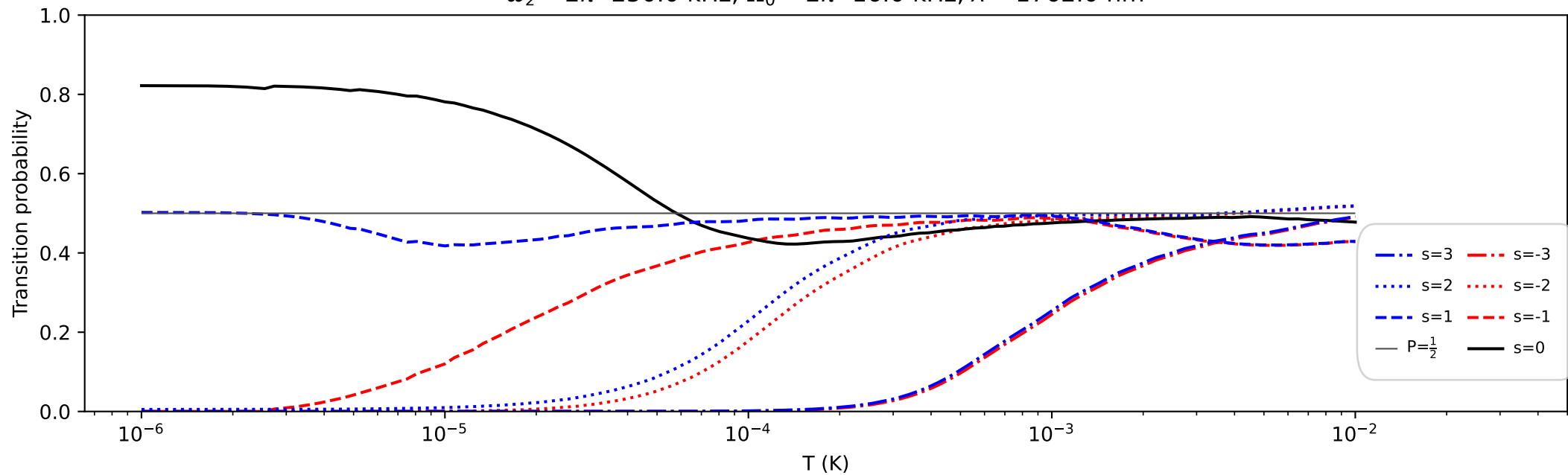


$\frac{5}{4}\pi$ -pulse,  $n=0$ ,  $C=-0.001$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm

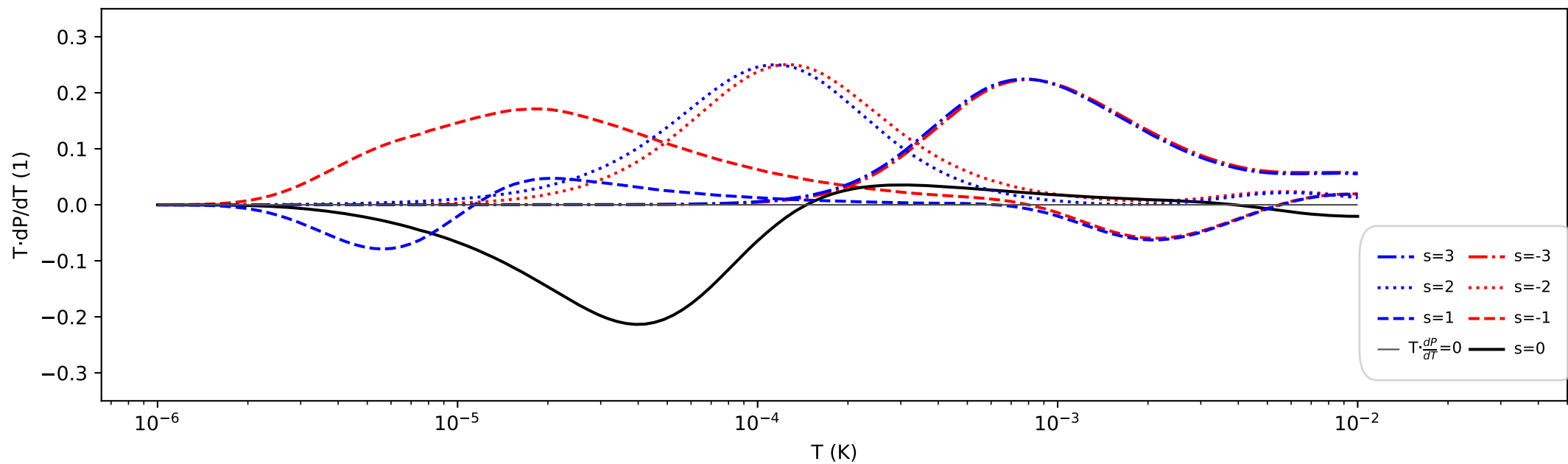




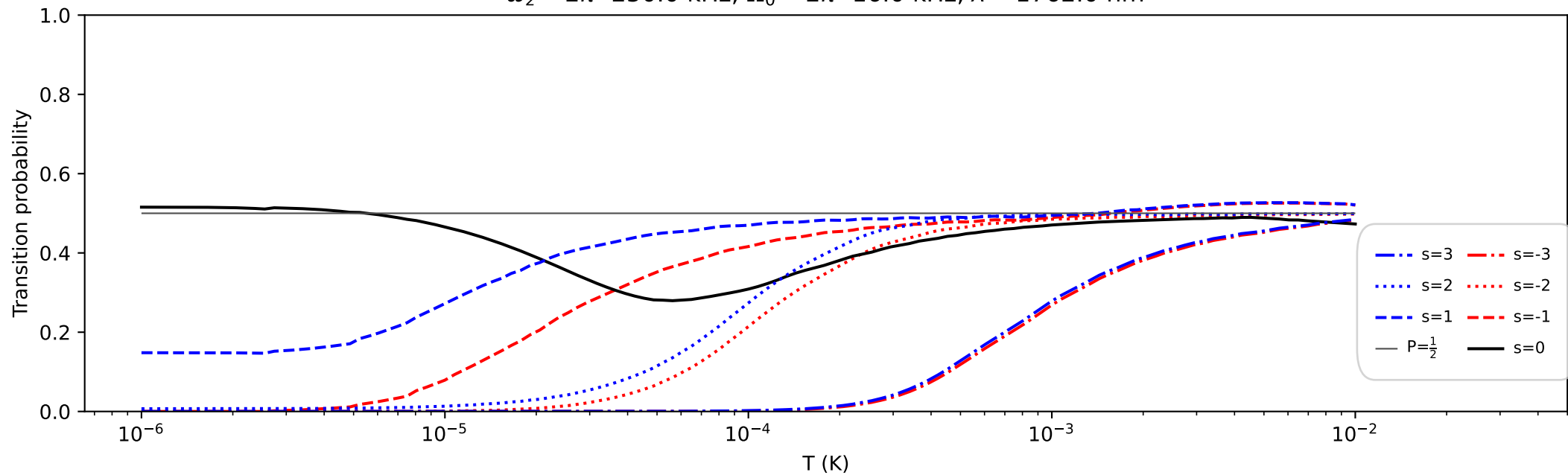
$\frac{3}{2}\pi$ -pulse,  $n=0$ ,  $P_{\geq n_{max}}=0.01$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm



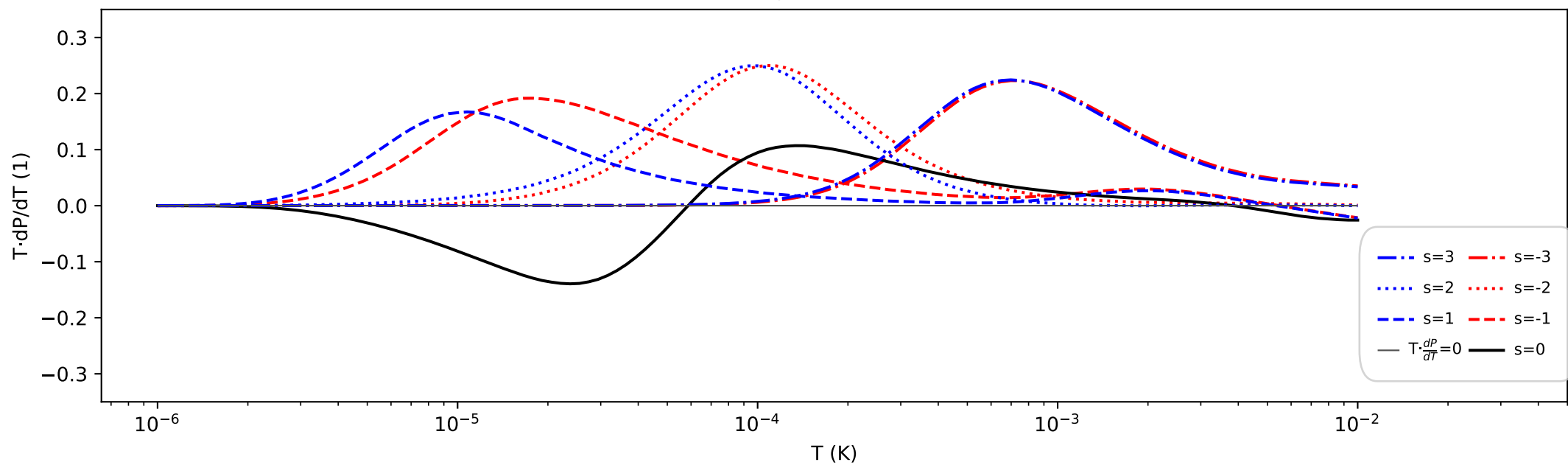
$\frac{3}{2}\pi$ -pulse,  $n=0$ ,  $C=-0.001$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm



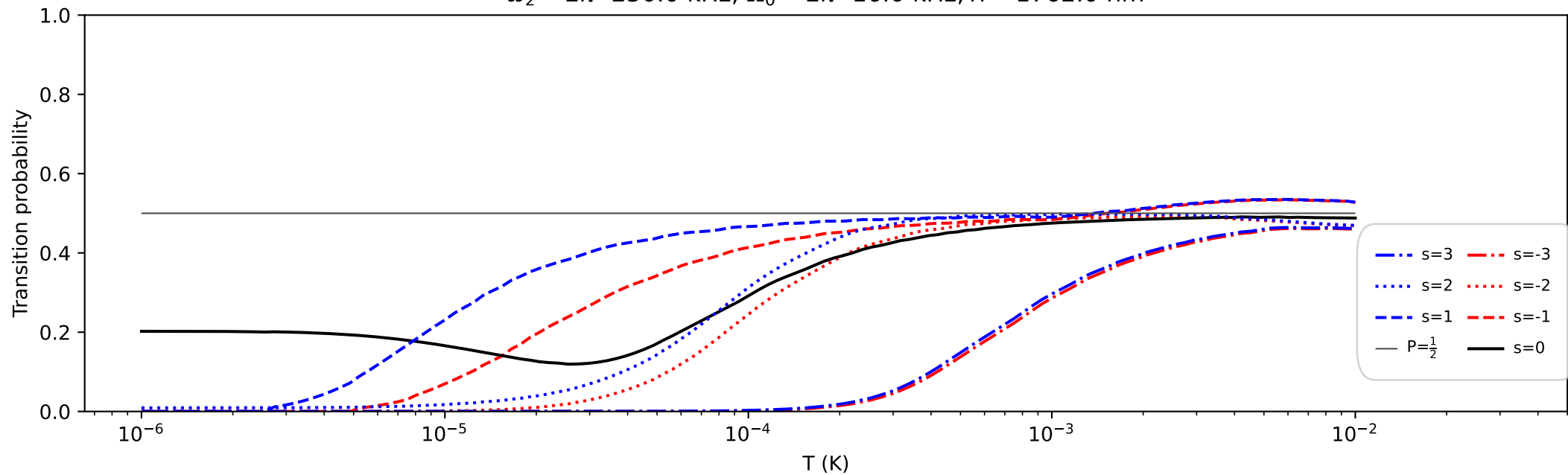
$\frac{7}{4}\pi$ -pulse,  $n=0$ ,  $P_{\geq n_{max}}=0.01$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm



$\frac{7}{4}\pi$ -pulse,  $n=0$ ,  $C=-0.001$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm



$\frac{2}{1}\pi$ -pulse,  $n=0$ ,  $P_{\geq n_{max}}=0.01$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm



$\frac{2}{1}\pi$ -pulse,  $n=0$ ,  $C=-0.001$ ,  $^{138}\text{Ba}^+$   
 $\omega_z = 2\pi \cdot 250.0$  kHz,  $\Omega_0 = 2\pi \cdot 16.0$  kHz,  $\lambda = 1762.0$  nm

