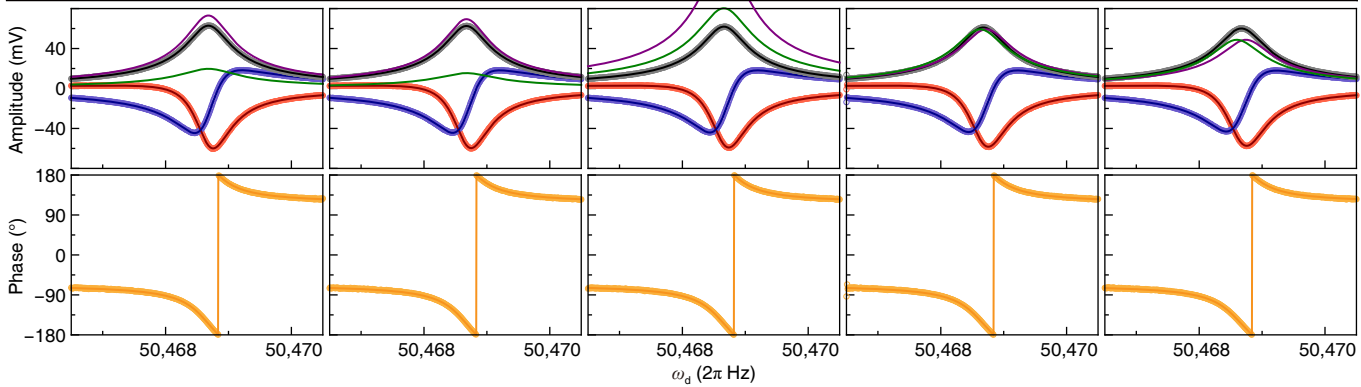
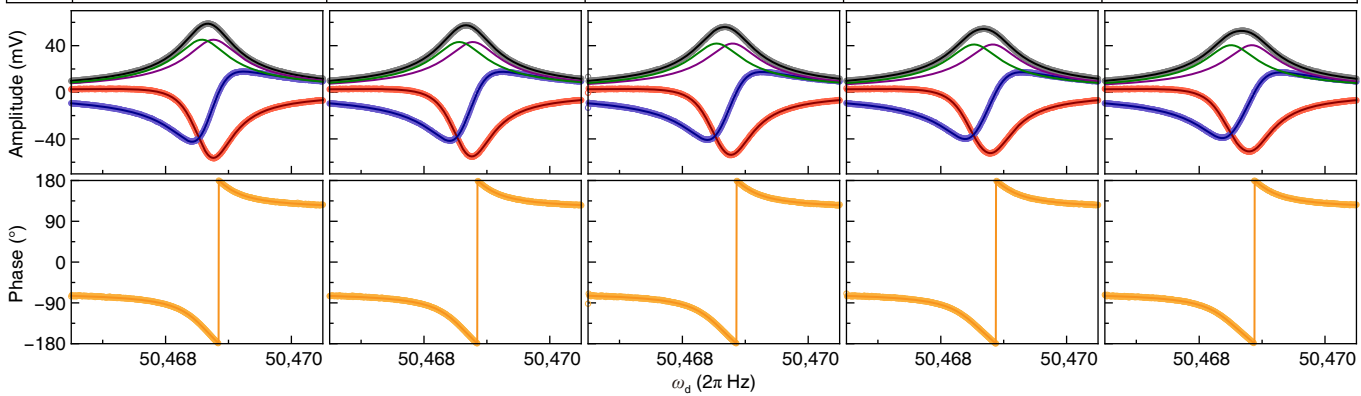
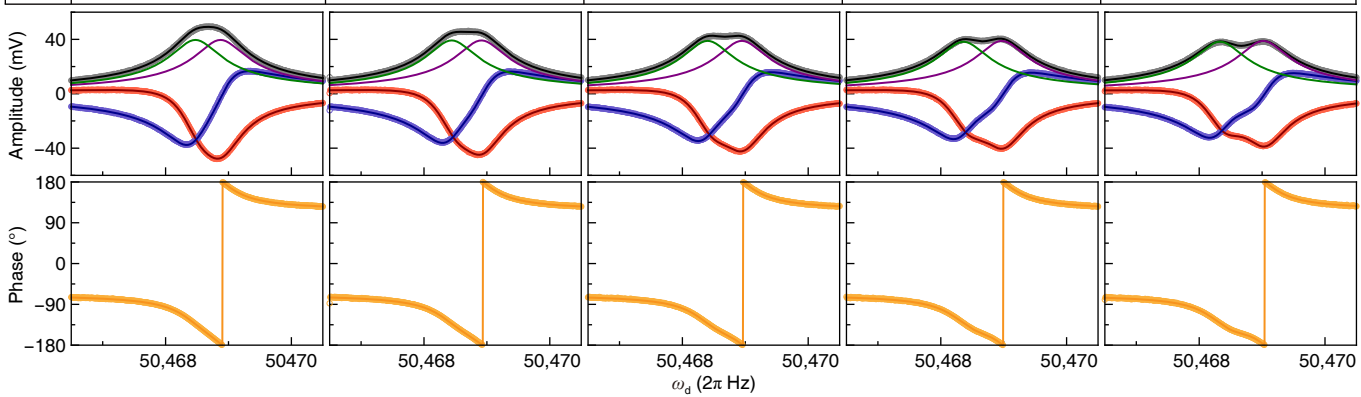
	$V_p = 0.05$ V, $\delta_p/2\pi = 0$ Hz	$V_p = 0.10$ V, $\delta_p/2\pi = 0$ Hz	$V_p = 0.15$ V, $\delta_p/2\pi = 0$ Hz	$V_p = 0.20$ V, $\delta_p/2\pi = 0$ Hz	$V_p = 0.25$ V, $\delta_p/2\pi = 0$ Hz
Fitting results	$\lambda_+ = 50{,}468.68081 + i\,0.70085$ $\lambda_- = 50{,}468.68081 + i\,0.87925$	$\lambda_+ = 50468.67508 + i\,0.69316$ $\lambda_- = 50468.67508 + i\,0.88694$	$\lambda_+ = 50{,}468.67980 + i\,0.74855$ $\lambda_- = 50{,}468.67980 + i\,0.83155$	$\lambda_+ = 50{,}468.72365 + i\,0.79005$ $\lambda_- = 50{,}468.62549 + i\,0.79005$	$\lambda_+ = 50{,}468.74468 + i\,0.79005$ $\lambda_- = 50{,}468.59852 + i\,0.79005$



	$V_p = 0.30$ V, $\delta_p/2\pi = 0$ Hz	$V_p = 0.35$ V, $\delta_p/2\pi = 0$ Hz	$V_p = 0.40$ V, $\delta_p/2\pi = 0$ Hz	$V_p = 0.45$ V, $\delta_p/2\pi = 0$ Hz	$V_p = 0.50$ V, $\delta_p/2\pi = 0$ Hz
Fitting results	$\lambda_+ = 50{,}468.76267 + i\,0.79005$ $\lambda_- = 50{,}468.57850 + i\,0.79005$	$\lambda_+ = 50{,}468.77711 + i\,0.79005$ $\lambda_- = 50{,}468.55999 + i\,0.79005$	$\lambda_+ = 50{,}468.79863 + i\,0.79005$ $\lambda_- = 50{,}468.54207 + i\,0.79005$	$\lambda_+ = 50{,}468.82663 + i\,0.79005$ $\lambda_- = 50{,}468.52776 + i\,0.79005$	$\lambda_+ = 50{,}468.83693 + i\,0.79005$ $\lambda_- = 50{,}468.50627 + i\,0.79005$



	$V_p = 0.60$ V, $\delta_p/2\pi = 0$ Hz	$V_p = 0.70$ V, $\delta_p/2\pi = 0$ Hz	$V_p = 0.80$ V, $\delta_p/2\pi = 0$ Hz	$V_p = 0.90$ V, $\delta_p/2\pi = 0$ Hz	$V_p = 1.00$ V, $\delta_p/2\pi = 0$ Hz
Fitting results	$\lambda_+ = 50{,}468.86489 + i\,0.79005$ $\lambda_- = 50{,}468.47272 + i\,0.79005$	$\lambda_+ = 50{,}468.90647 + i\,0.79005$ $\lambda_- = 50{,}468.43724 + i\,0.79005$	$\lambda_+ = 50{,}468.93526 + i\,0.79005$ $\lambda_- = 50{,}468.39784 + i\,0.79005$	$\lambda_+ = 50{,}468.97846 + i\,0.78933$ $\lambda_- = 50{,}468.36429 + i\,0.79077$	$\lambda_+ = 50{,}469.01819 + i\,0.78871$ $\lambda_- = 50{,}468.33063 + i\,0.79139$



Exp. Fit
A
θ
Exp. Fit
$A\cos\theta$
$A\sin\theta$
Restored spectrum of eigenmode +
Restored spectrum of eigenmode −