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The excel file contains experimental data for the paper “Ultrahigh-Q photonic crystal cavities in silicon rich nitride”. In particular:

Figure 2b: Measured resonance scattering spectrum around the resonance wavelength for the PhC cavity with inner-most hole shift $y = 6$ nm.

Figure 3a: Simulated and measured Cavity Q-factors as a function of inner-most hole shift (y).

Figure 3b: Simulated and measured Cavity resonance wavelengths as a function of inner-most hole shift (y).

Figure 4a: Resonance scattering spectrum of the cavity with $y = 12$ nm for different coupled powers showing characteristic bistability line shape.

Figure 4b: Plot of resonance wavelength as a function of coupled power showing a clear linear relationship.