Figure 2: XOR Invariance Interference Pattern

Panel A: Double-Path Interference Setup

Laser — BS₁ — XOR — φ₁ — BS₂ — D₁ — Analyzer; SHIFT — φ₂ — D₂
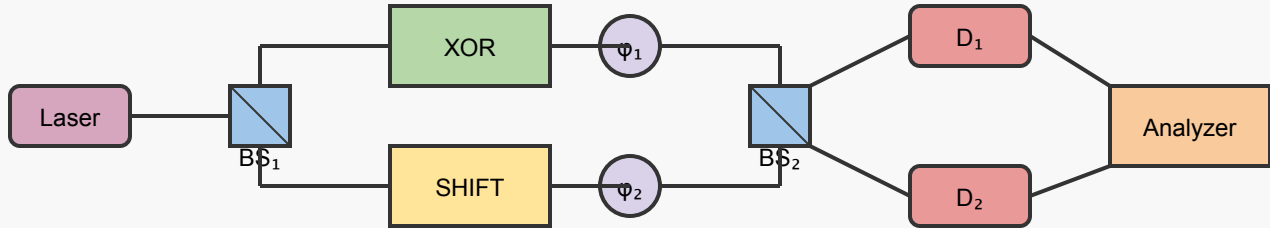
Panel B: Interference Pattern Results

UO Prediction
Standard QM Prediction
Experimental Data

Interference Intensity vs Phase Difference ($\varphi_1 - \varphi_2$) in radians