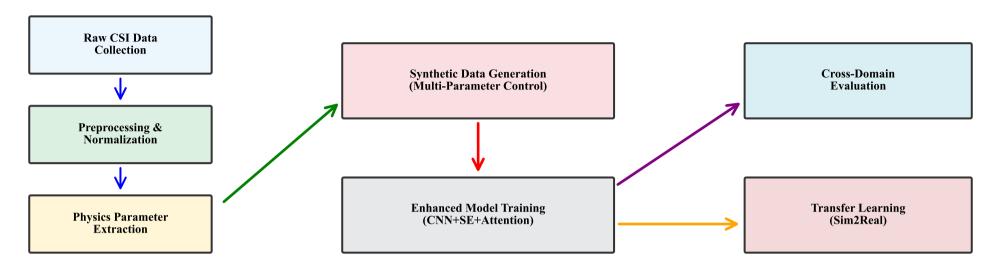
Detailed Data Flow and Processing Pipeline



Performance Results

CDAE Protocol: 83.0±0.1% F1 (LOSO/LORO) STEA Protocol: 82.1% F1 @ 20% (80% Cost Reduction) Calibration: ECE = 0.0072 (Well-calibrated)