Abs. Stress at Failure vs Off-Axis Angle 1200 Failed in fixture first Failure  $\tau_{\rm c}$  [MPa] Failed near fixture Debonding on top end 1000. Failure location in FOI Failure perp. to fibers Interlaminar failure Zigzag failure 800 3-fold failure at Maximum stress criterion Abs. Compressive Stress Tsai-Hill criterion 600 --Tsai-Wu criterion 400 200 30 90 10 20 40 50 60 70 80 Off-Axis Angle  $\theta$  [°]