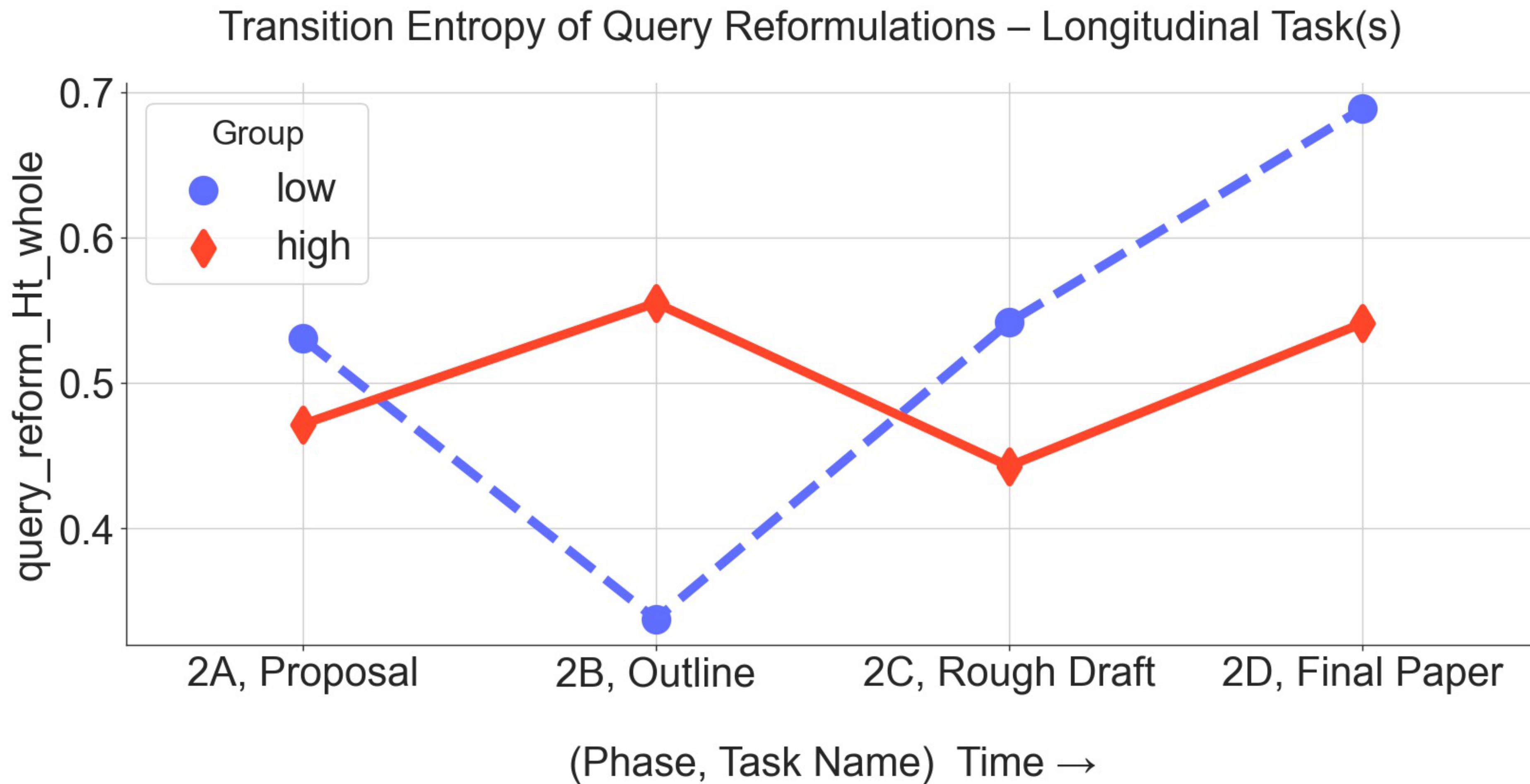


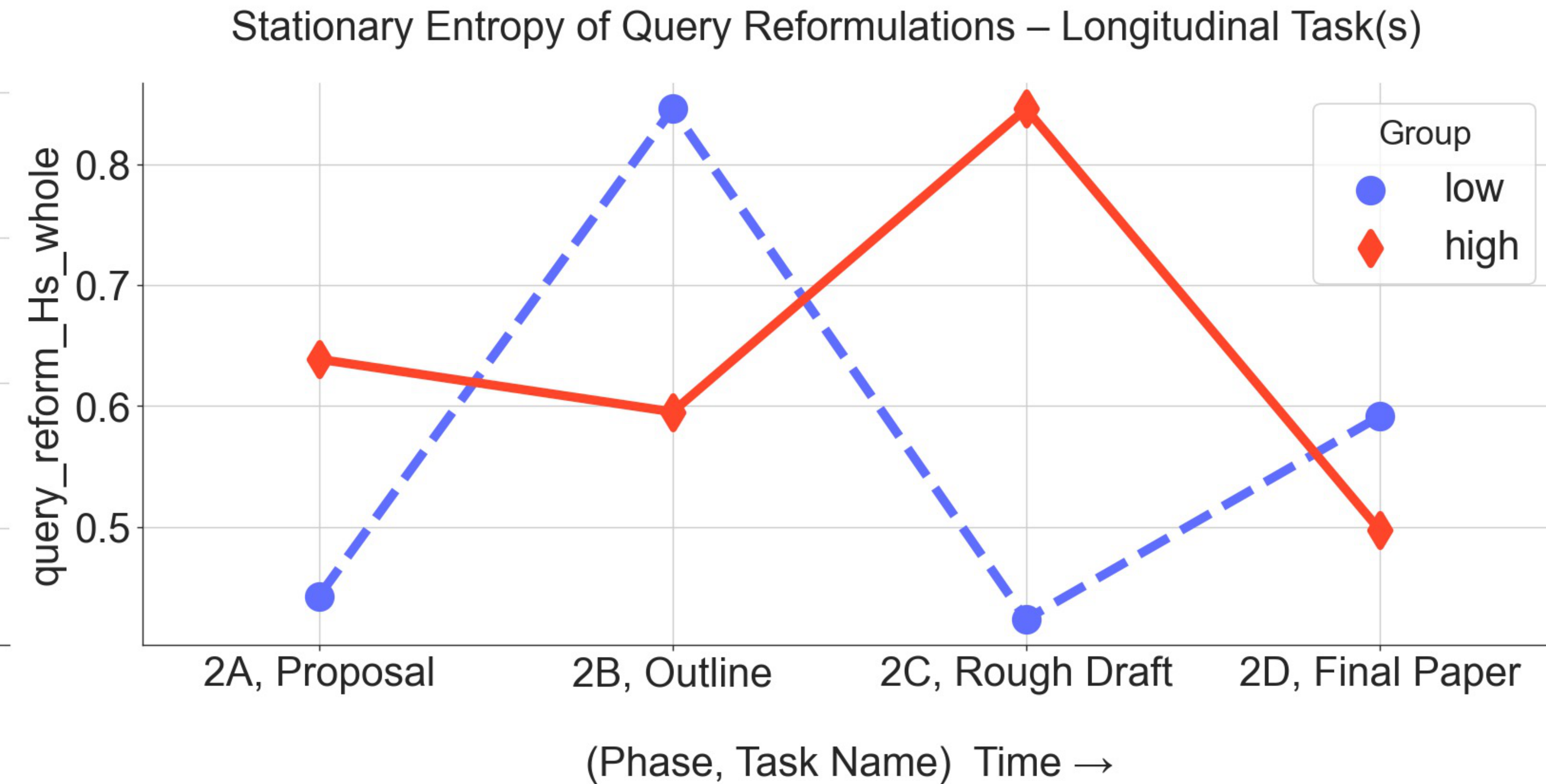
# Entropy of Query Reformulation Types (QRTs) – Longitudinal Phase



(a) Transition Entropy

Higher = more randomness in transitions between different QRTs

Lower = transitions between QRTs are highly predictable



(b) Stationary Entropy

Higher = all QRTs are used uniformly

Lower = some QRTs are preferred over others