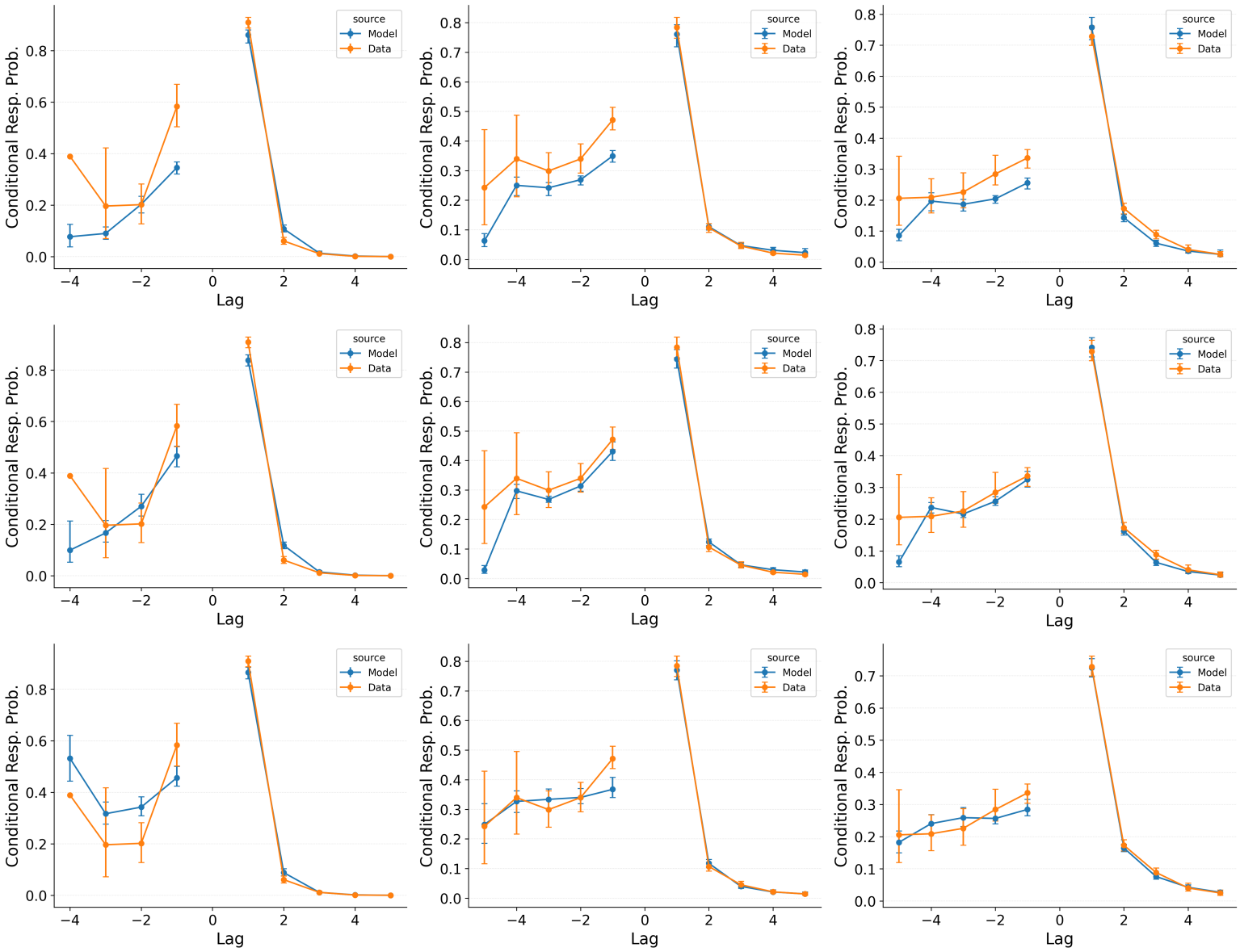

Figure 9: Lag-conditional response probability (lag-CRP) fits of baseline CRU (**Top**); best performing CRU variant with free pre-experimental context-to-feature memory (α, δ) and CMR-specific primacy gradient (ϕ_s, ϕ_d) parameters (**Middle**); and CMR with its default position-based recall termination mechanism and CRU's item identification confusability mechanism (**Bottom**) to Logan (2021) serial recall data. Lines compare observed lag-CRP with predicted lag-CRP for the applicable model variant.

Alt Text. Lag-conditional response probability (lag-CRP) curves for serial-recall lists of length 5, 6, and 7 (columns). Within each column, three rows show: (1) baseline CRU; (2) the hybrid CRU that adds primacy and pre-experimental support; (3) CMR with position-based stopping. Observed data (orange circles ± SE) and model predictions (blue lines) are plotted for lags −4 to +5. All variants fit the dominant +1 forward transition, but only the hybrid CRU (row 2) closely tracks the small yet reliable −1 "fill-in" backward transition, while baseline CRU underestimates and CMR overestimates backward-lag probabilities beyond −1.