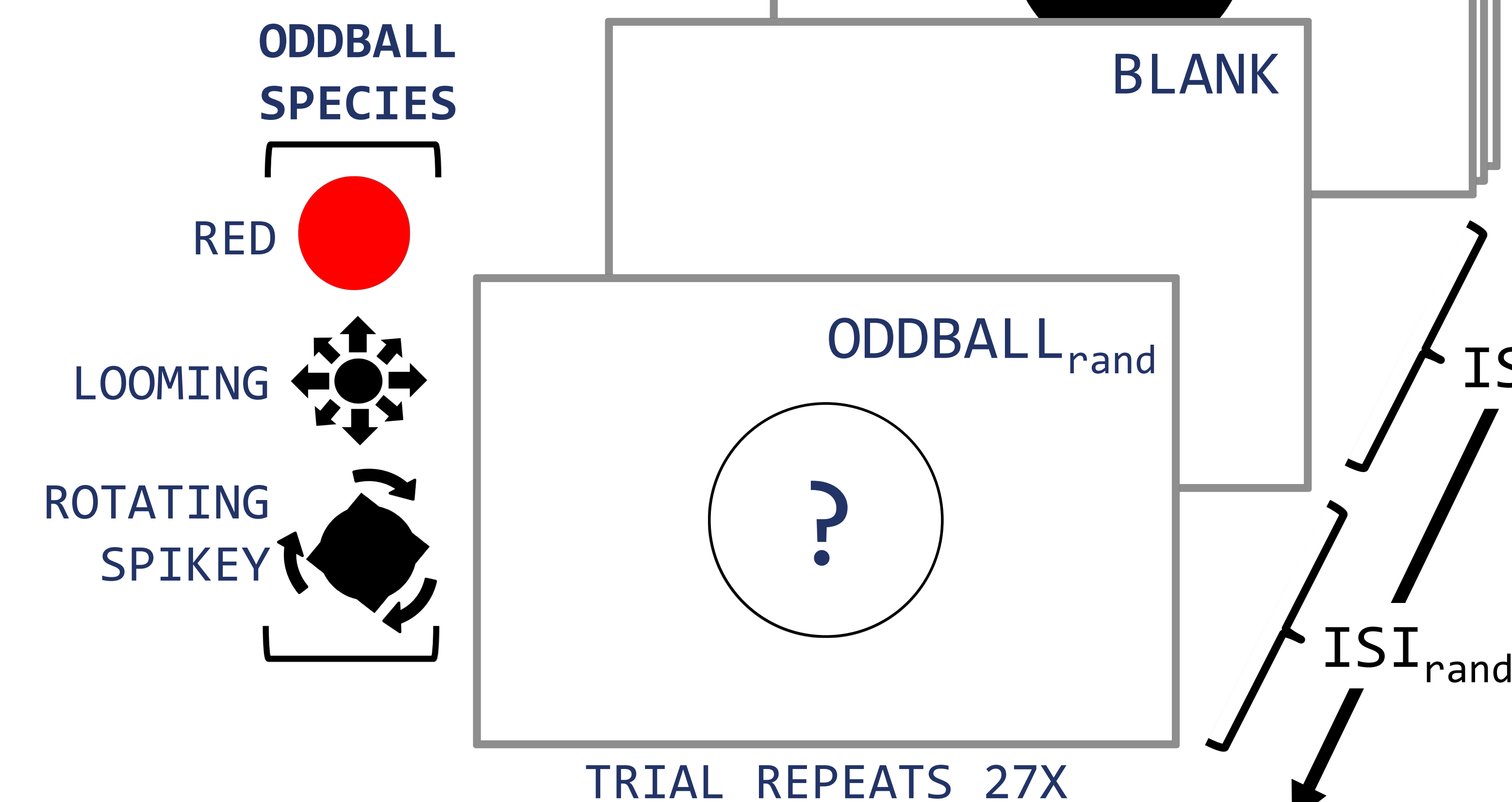


EXPERIMENT 1

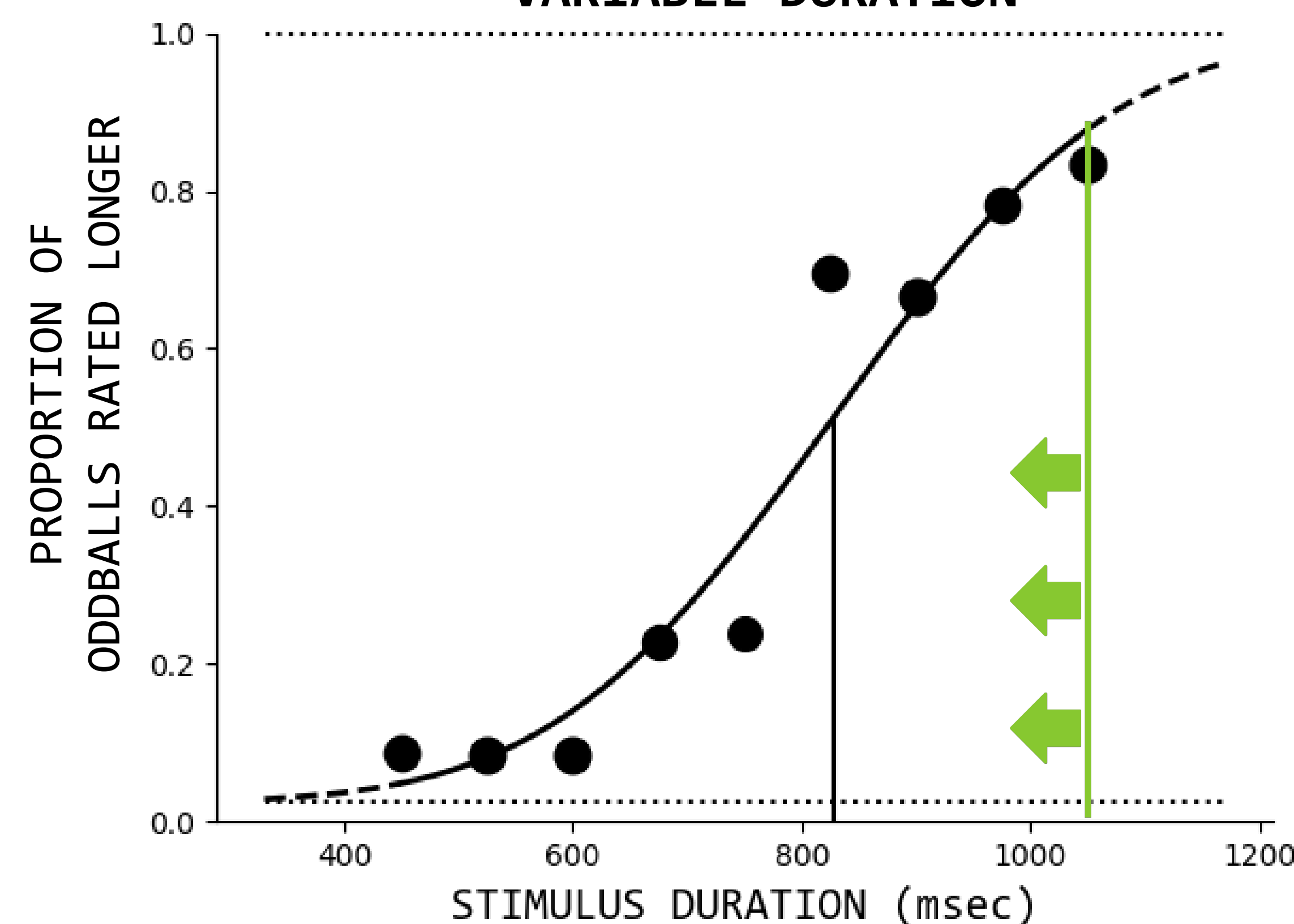
RESEARCH QUESTION

- Is our experience of time distorted by the uniqueness of the stimuli we perceive?



Task: Judge the duration of the oddballs in comparison to the standards

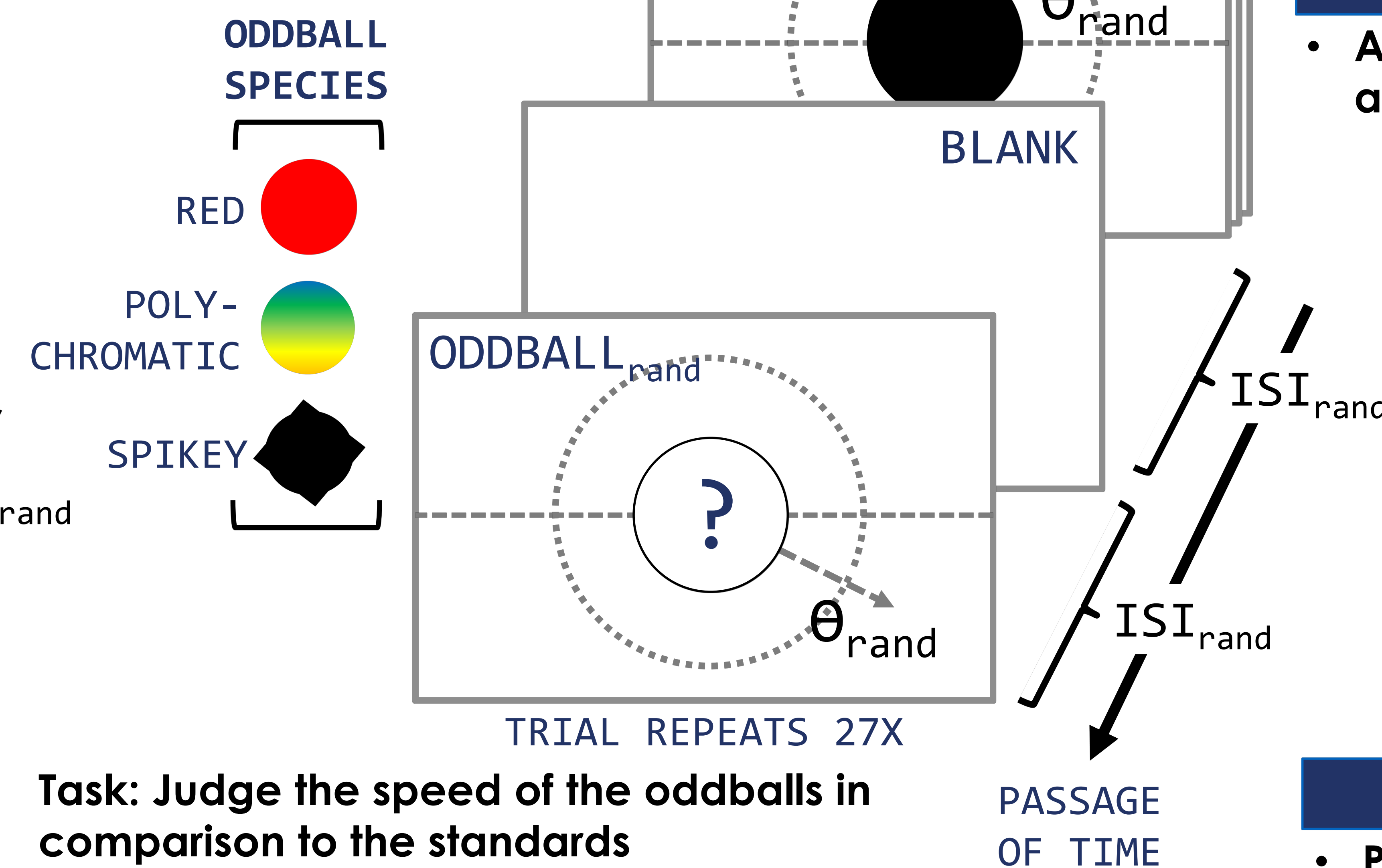
PSYCHOMETRIC CURVE (TSE):
VARIABLE DURATION



RESULTS

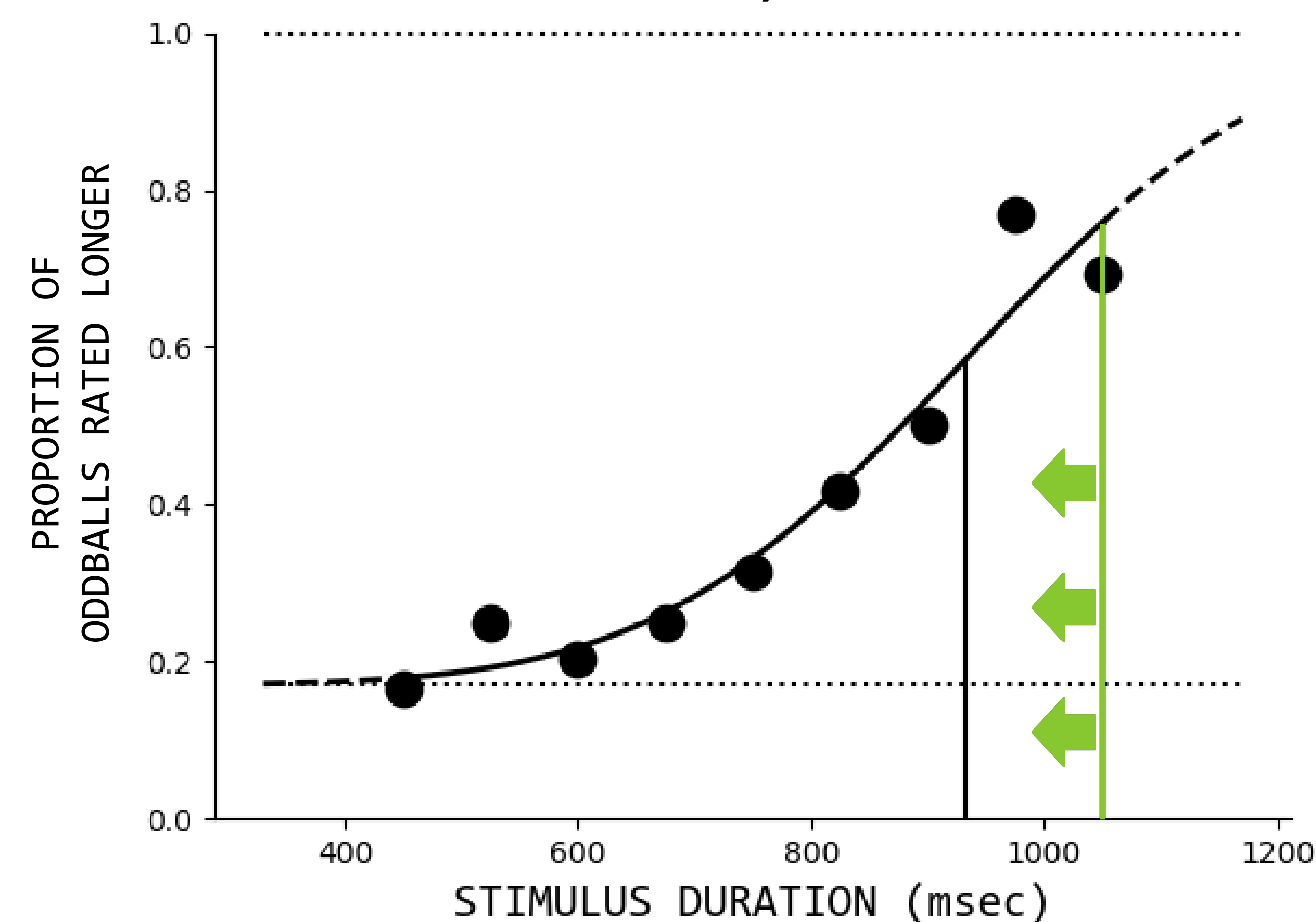
- Time subjectively expands for all oddball stimuli (PSE < 1050 msec)
- Looming & spikey oddball motion probably increased effect

REPLICATION WITH MOVING STIMULI



Task: Judge the speed of the oddballs in comparison to the standards

PSYCHOMETRIC CURVE (TSE):
VARIABLE DURATION/CONSTANT SPEED



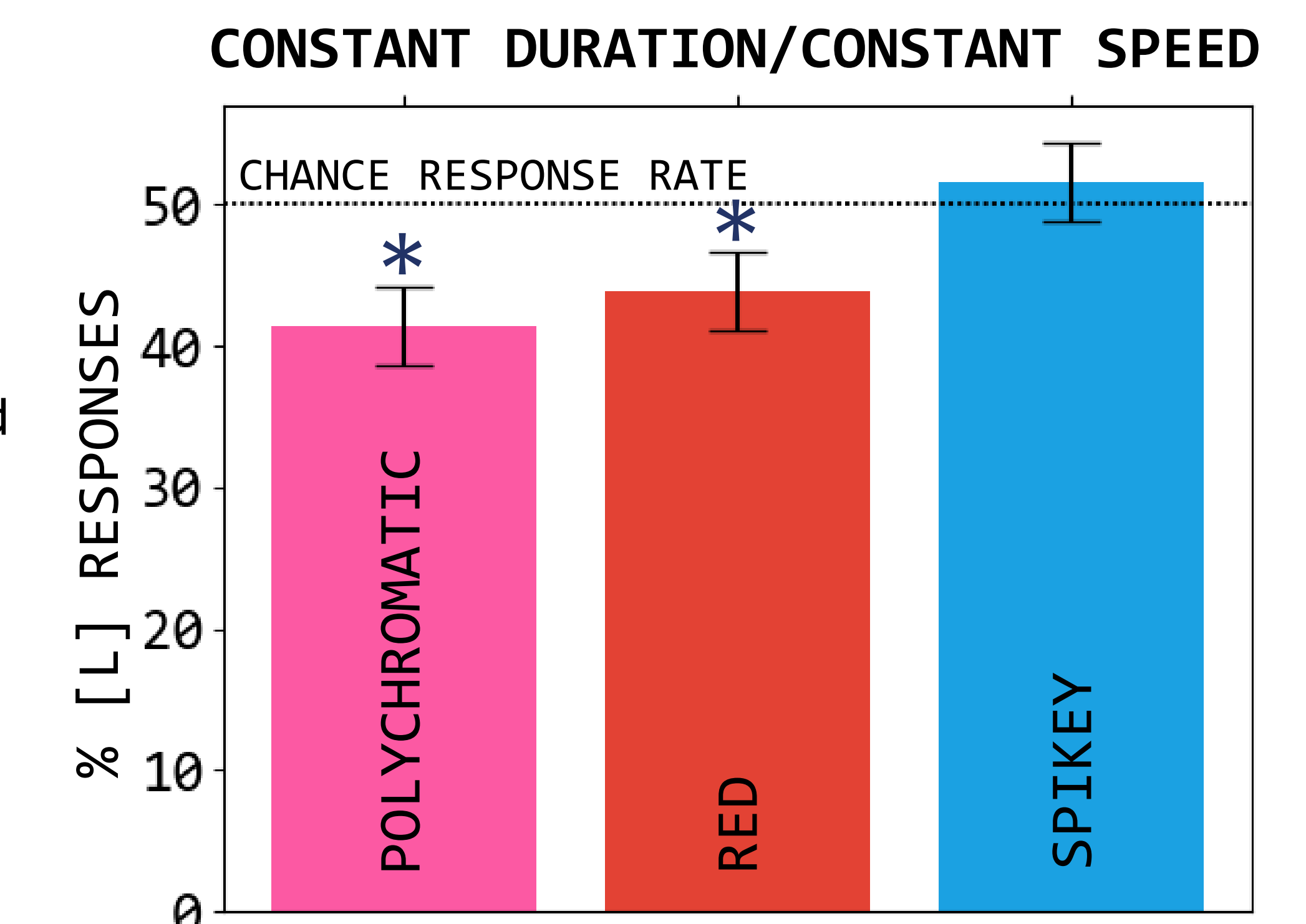
RESULTS

- Time subjectively expands for all oddball stimuli (PSE < 1050 msec) in variable duration/constant speed condition

EXPERIMENT 2

RESEARCH QUESTION

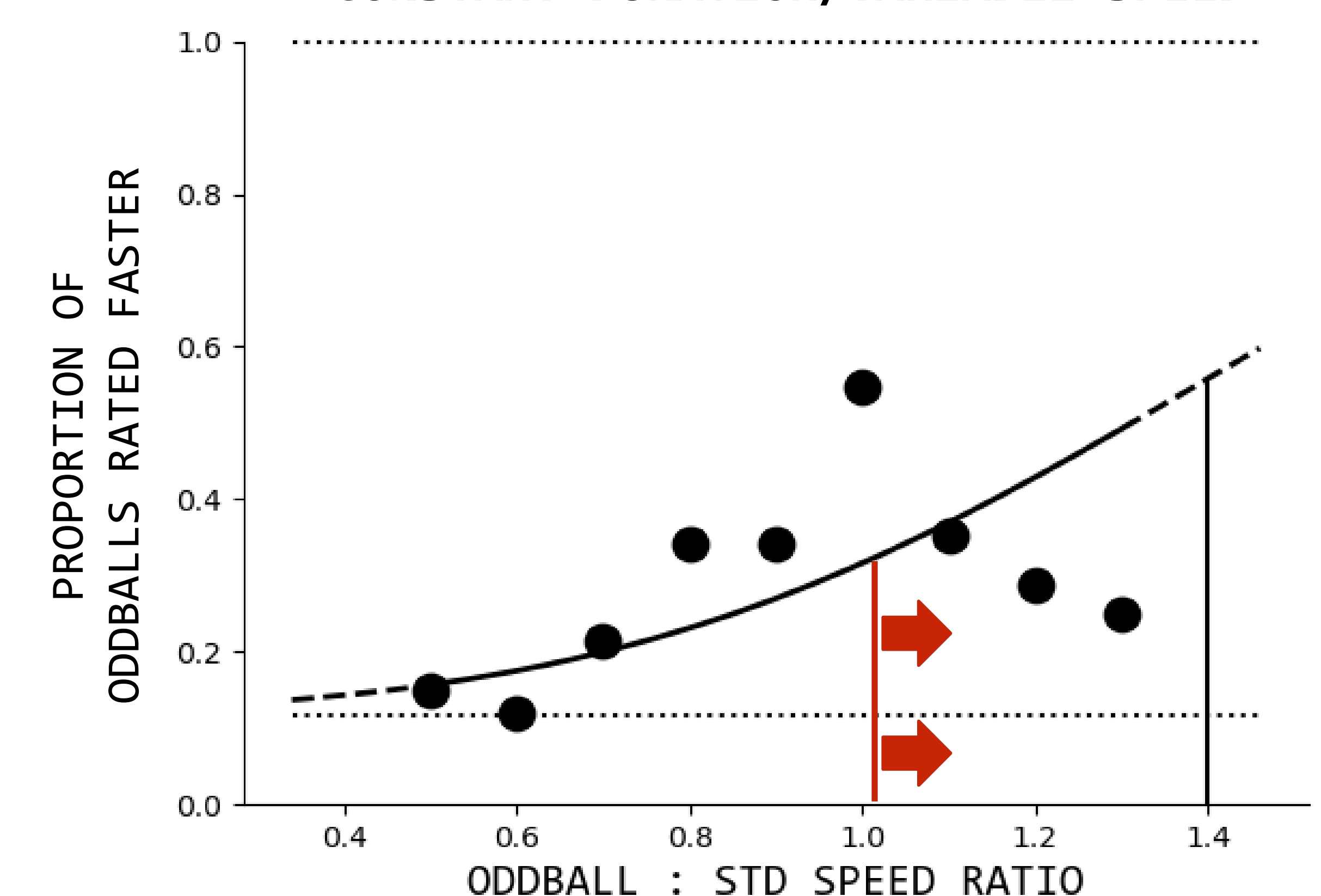
- Are time-derived concepts such as velocity also vulnerable?



RESULTS

- Participants judged polychromatic and red oddballs as moving significantly slower in constant duration/constant speed condition

PSYCHOMETRIC CURVE (SSM):
CONSTANT DURATION/VARIABLE SPEED



RESULTS

- Oddballs moving 1.4X faster than standards are perceived as moving at standard speed