

## **Resting-state alpha power is selectively associated with autistic traits reflecting behavioral rigidity**

Link: <https://pubmed.ncbi.nlm.nih.gov/30097597/>

Past research studies have shown that brain activity while at rest is related to specific symptom domains of ASD. In this study, we hoped to link patterns of brain activity with autistic traits in typically developing individuals. We used electroencephalography (EEG) to study brain waves of 37 typically-developing adults at rest, and we measured social interest, rigidity, and pragmatic language difficulties (i.e., difficulties using language for social purposes) with the Broad Autism Phenotype Questionnaire (BAP-Q). Our analyses revealed that of the various autistic traits assessed, rigidity was particularly associated with notable patterns of at-rest brain activity. Findings suggest that autistic traits are present in the general population and brain activity at rest is related such traits, even in individuals who do not meet full clinical criteria for ASD.