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Simultaneous EEG-fMRI reveals attention-dependent coupling of early face processing with a distributed cortical network

Running head: EEG-fMRI coupling in face processing

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Highlights:

- Distributed cortical activation to faces covaries with ERPs as early as 100 ms
- Covariations depend on both sustained attention and trial-by-trial cognitive conflict
- Top-down gating might apply to earlier visual processing stages than previously known

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