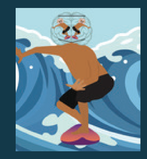
# Empirical Investigation of T-Consciousness Fields: EEG and MRS Evidence for Non-Physical Modulation of Neural Activity and Metabolism

Cosmointel, Vaughan, Ontario, Canada
Noushin Nabavi · Mohammad Ali Taheri · Simin Rahighi



**The Science of Consciousness**
October 14 · Poster Session 2
Mission Bay Room

## BACKGROUND & OBJECTIVE

Are self-initiated Faradarmani sessions associated with changes in electroencephalography (EEG) and proton magnetic resonance spectroscopy ($^1$H-MRS)?

In Taheri's theory, T-Consciousness Fields are non-physical fields within the Cosmic Consciousness Network. Matter, energy and information are described as originating from T-Consciousness and the brain as a receiver. This interpretation is not a directly measured field mechanism. [1,2]

Shannon entropy describes how evenly spectral amplitudes are distributed across bins. It is not a direct measurement of consciousness.

## SELF-INITIATED TASK

Trained practitioners (Faradarmangars) initiate connection after an auditory cue, without a reported breathing exercise or visualization. [1,2]

## EEG METHODS [1]

44 healthy adults · age 41 ± 7 years
18 men / 26 women · 128 channels · 512 Hz
Power density: μV²/Hz; band power: μV².

| Rest 1<br>5 min | Task · 10 min<br>T1 \| T2 \| T3 | Rest 2<br>3 min |
|---|---|---|

Time → Three equal task windows; schematic

## $^1$H-MRS METHODS [2]

30 healthy adults · age 42 ± 7 years
12 men / 18 women

| Rest · 15 min | Task · 15 min |
|---|---|

Three fMRI-defined voxels: activated, deactivated and neither. 3-T PRESS; TR/TE = 6000/135 ms. Spectral and Shannon entropy analyses.

## EEG: TIME-DEPENDENT CHANGES

Reported mean power reductions versus Rest 1. [1]
Ranges across bands/windows, not confidence intervals.

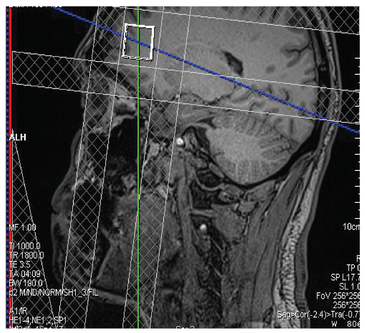
**10–35%**
Early task: lower-frequency bands

**6–8%**
Later task: high beta and gamma

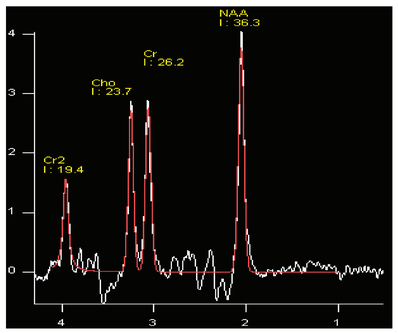
Early: delta, theta, alpha and beta reductions.
Later: high beta and gamma reductions (T2/T3).
Analysis: two-way ANOVA; significance threshold $p < 0.05$.

Uncertainty: confidence intervals for the percentage reductions are not reported. Separate EEG and MRS studies do not establish a shared causal mechanism.

## REPRESENTATIVE $^1$H-MRS ACQUISITION



Activated-region voxel (white box)




Resting spectrum · chemical shift (ppm)

Reproduced from [2], Fig. 2; enlarged labels. Representative acquisition only; displayed scanner settings differ from the written protocol.

## MRS: REGION-SPECIFIC RESULTS

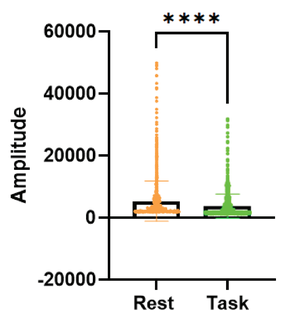
Reductions were reported in the fMRI-defined activated region. [2]

**≈30%**
Lower spectral area under peaks

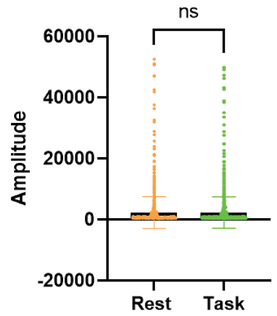
**≈20%**
Lower Shannon entropy

### Rest–task amplitude comparison

**Activated region**




**Deactivated region**




[2], Fig. 9: each dot is a spectral amplitude value, not a participant. Paired t-test on amplitude values: **** $p < 0.0001$; ns = not significant. Spectral points are not independent participants (study n = 30).

Area ± reported SE: rest 5,414,030 ± 348,326; task 3,781,657 ± 173,718. These errors do not give a participant-level CI for the ≈30% reduction. Entropy: ≈20% lower; no SE/CI reported. [2, Tables 1–2]

The deactivated region showed <0.5% difference in spectral area and no comparable entropy reduction. [2]

## LIMITATIONS & NEXT STEPS

Self-initiation and fixed order leave expectation, time and task-state effects unresolved.

Fixed order and self-initiation leave time, expectation and task-state effects unresolved. Next: independent replication, prespecified outcomes and masked independent analysis where feasible.

REFERENCES

[1] Taheri MA, Torabi S, Semsarha F. (2025). Investigation of the Effect of the Faradarmani Consciousness Field on the Absolute Brain Power of Faradarmangars with a Focus on Brainwave Types. The Scientific Journal of Cosmointel. 4(19):32–41. https://doi.org/10.61450/joci.v4i19.225

[2] Taheri MA, Torabi S, Semsarha F. (2026). Analysis of MRS Spectrum and Shannon Entropy Changes Under the Influence of the Faradarmani Consciousness Field (Task) and without it (Rest). The Scientific Journal of Cosmointel. 5(20):39–50. https://doi.org/10.61450/joci.v5i20.232