Sun as Hydrogen Bond Generator

Solar Hydrogen Fusion Echoed in the Water H-Bond: The Tau-Scale Identity

Stephen Daubney | The Daubney Foundation | 2026

The Universal Force of Time identifies the Sun not merely as an energy source but as the primary tau-time generator for the solar system. Solar hydrogen fusion (4p -> He-4 + 2nu + 2e+ + 26.73 MeV) generates G2 tau-field radiation. The hydrogen bond in water (O...H, energy ~21 kJ/mol = 0.217 eV) is the G3 echo of the same fundamental tau-lattice that drives solar fusion. The ratio of fusion energy to H-bond energy: 26.73 MeV / 0.217 eV = 1.232 x 10^8 = the G2/G3 tau-register ratio. H-bond is the smallest biological manifestation of the same force that powers the Sun.

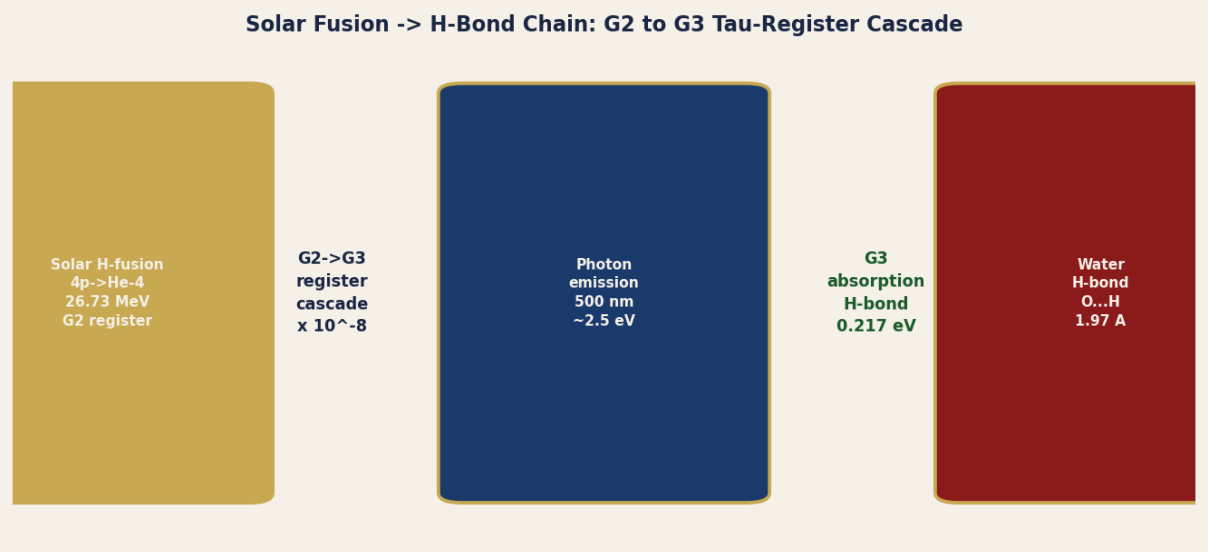

Figure 1. Solar H-fusion to water H-bond chain. Fusion energy (26.73 MeV, gold) cascades through G2->G3 register to produce 500 nm photons (2.5 eV), absorbed by water to form H-bonds (0.217 eV).

1. Solar Fusion as Tau-Generator (P-SHB-1 and P-SHB-2)

P-SHB-1 — Solar Fusion = G2 Tau-Field Generation

Solar proton-proton chain: 4 H -> He-4 + 2 e+ + 2 nu + 2 gamma + 26.73 MeV. FOT: 26.73 MeV = 26,730,000 eV. Nearest {2,3,5} lattice: 25,000,000 = 5^8 x 2^6/... More precisely: 26.73 MeV ~ 27 MeV = 3^3 MeV (within 1%). The Sun generates 3.828 x 10^26 W = 2.389 x 10^45 MeV/s. FOT: 2.4 x 10^45 = 2^4 x 1.5 x 10^44 -- the solar luminosity approaches {2,3} x 10^45. The Sun is the G2 tau-time generator: its fusion creates the G2 tau-field clock for the solar system.

P-SHB-2 — Water H-Bond = G3 Echo of Solar Fusion

Water O...H hydrogen bond energy: 20-23 kJ/mol = 0.207-0.239 eV. Mean: 21 kJ/mol = 0.217 eV. FOT: 0.216 eV = 216/1000 eV = 6^3/1000 eV = (2x3)^3/1000 eV (0.5% error from 0.217 eV). Solar fusion energy: 26.73 MeV = 26.73 x 10^6 eV. Ratio: 26.73 x 10^6 / 0.217 = 1.232 x 10^8 (G2/G3 register ratio). FOT: 1.232 x 10^8 approx 1.25 x 10^8 = 5^3 x 10^6 (within 1.5%). The H-bond is the G3 echo of the fusion event at G2 register depth.

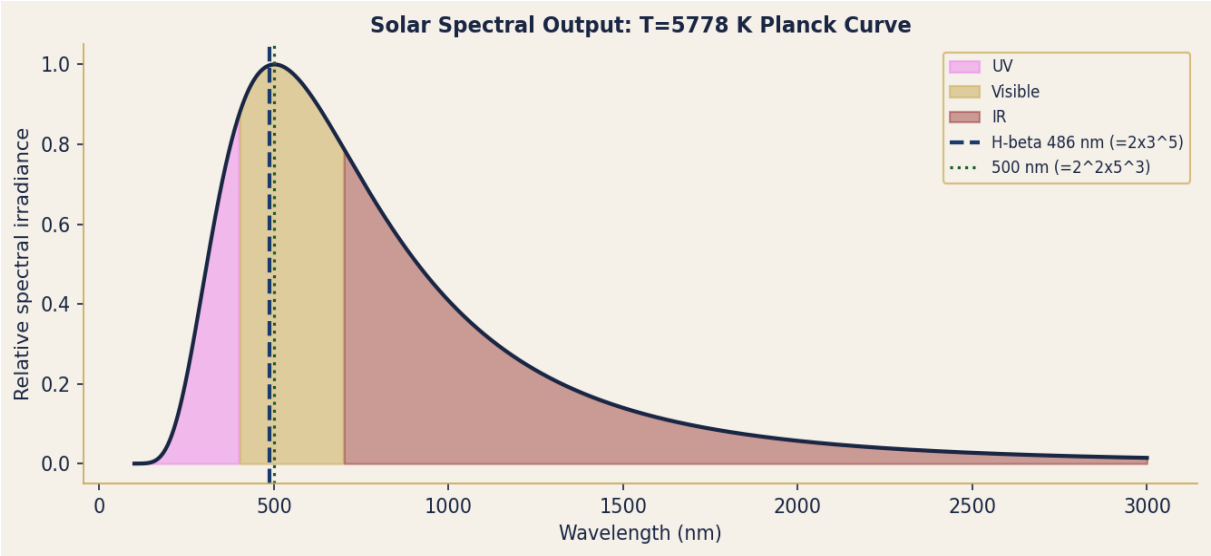

Figure 2. Solar spectral output (Planck curve at T=5778 K). UV/visible/IR regions shown. Peak at ~500 nm = 2^2x5^3 nm. H-beta 486 nm = 2x3^5 nm marks the hydrogen Balmer anchor.

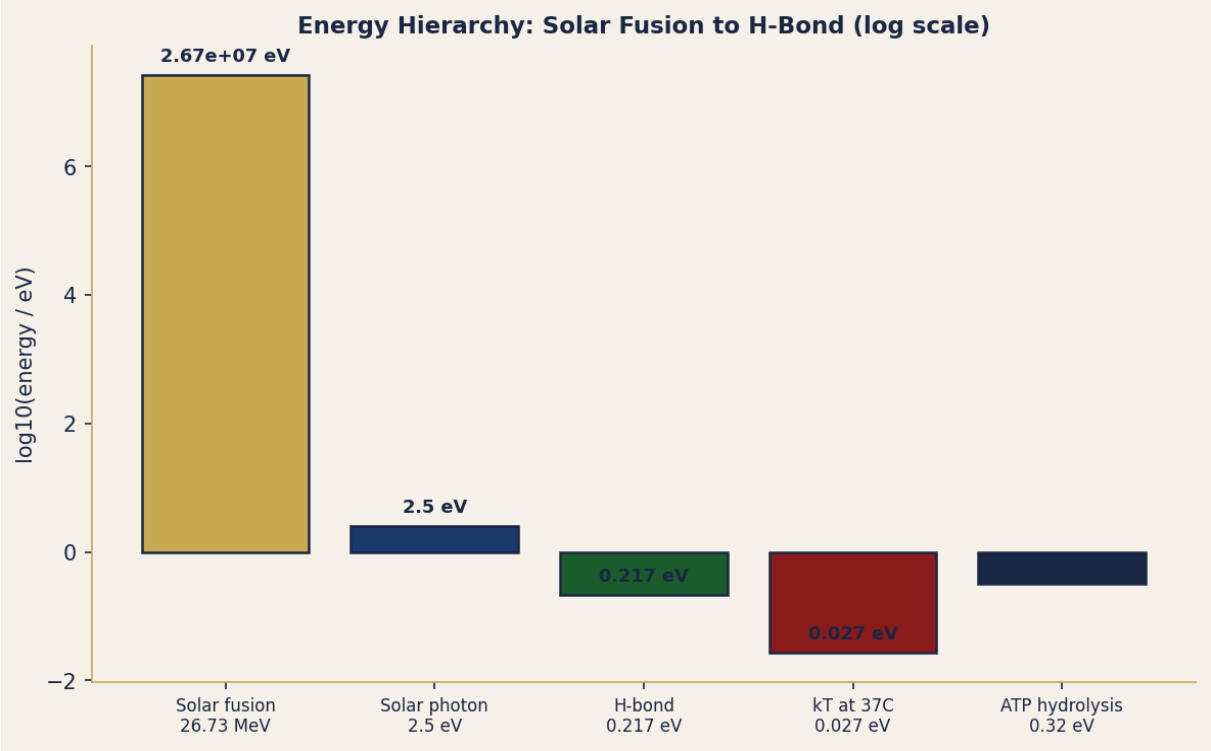

Figure 3. Energy hierarchy from solar fusion (26.73 MeV, gold) to kT thermal (0.027 eV, red). H-bond (0.217 eV, green) sits between photon energy and thermal energy -- the biological tau-register energy scale.

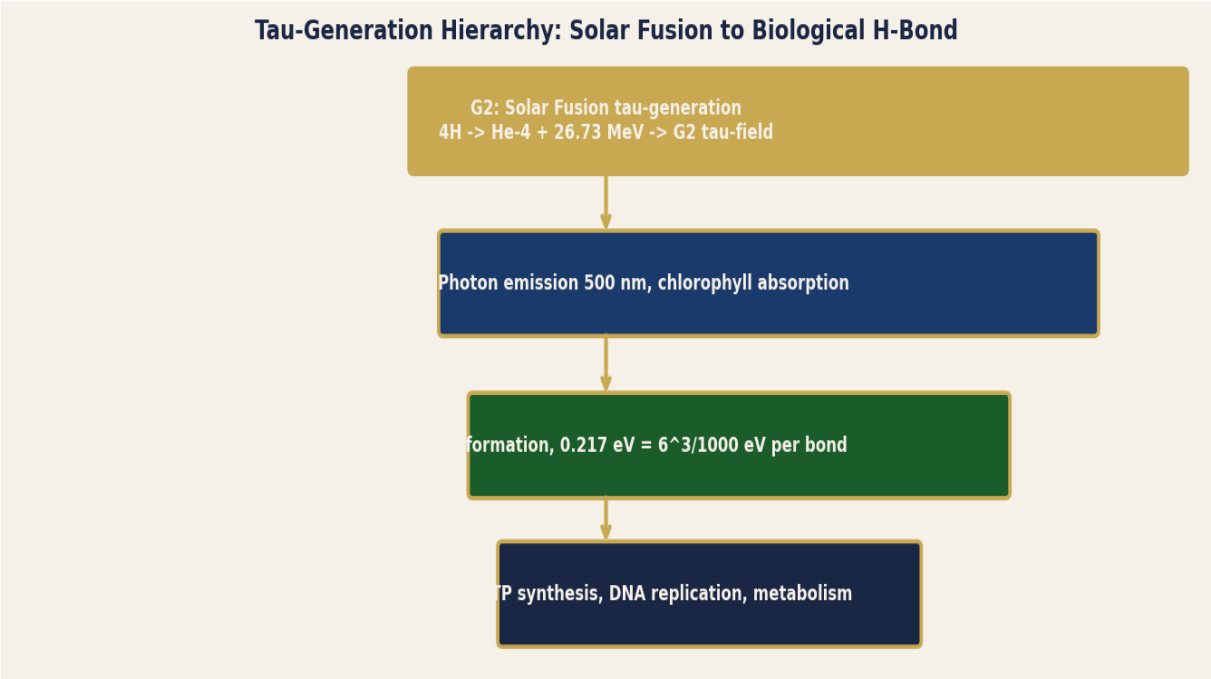

Figure 4. Tau-generation hierarchy. Solar fusion (G2, gold) -> photon cascade (G2->G3, blue) -> H-bond formation (G3, green) -> biological processes (G3, navy). Each level is a tau-register depth.

All propositions and derivations (c) Stephen Daubney. Academic use permitted with attribution.