

Abstract Submitted
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Analysis of Tokamak Fusion Test Reactor (TFTR) Prototype of International Thermonuclear Experimental Reactor (ITER)[‡] TIM HESTER, BOGDAN MAGLICH, DAN SCOTT, California Science & Engineering Corporation (CALSEC), CALSEC COLLABORATION — TFTR *produced world record of 10 million watts of controlled fusion power*¹ (CFP-1994) was summarized in *Review*¹. We present evidence³ that: (1) TFTR input vs. output was 40 to 10 MW i.e. a power loss. (2) Review claims no experimental evidence for thermonuclear CFP production (only a calculation). (3) Ultra-high vacuum (UHV) required for $\tau_E = 0.2$ s is 10^{-9} torr. TFTR had no UHV pumps, resulting in 10^{-3} torr, restricting $\tau_E < 10^{-6}$ s, \ll thermalization time; 0.1 s., hence DT plasma did not occur. (4) Carbon ions were presented as D-T plasma. (5) Unknown neutron detector on unexplained neutron diamagnetic effect, measured “fusion neutron power” without particle energy identification, energy or coincidence. (6) 8 of 9 parameters claimed were inferred not measured. Quadratic test of TFTR data results² in zero thermonuclear fusion power contribution to 10 MW: SFP = $(0 \pm 1)\%$. [‡]Submitted to *Physics of Plasmas* [†]Deceased

[1] McGuire K.M., et al.: Review of D-T results from TFTR, *Phys. Plasmas* 2, 2176 (May, 1995)

[2] T. Hester, D.W. Scott, B.C. Maglich, Absence of Exp. Evi. Thermo. Power Production TFTR, <http://world-scientific-education.net>

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