

Abstract Submitted  
for the MAR13 Meeting of  
The American Physical Society

**Siegel FIRST EXPERIMENTAL DISCOVERY of Granular-Giant-MagnetoResistance (G-GMR) Diagnoses/Wigner's-Disease/.../Spinodal-Decomposition in "Super" Alloys Generic Endemic Extant in: Nuclear-Reactors/ Petrochemical-Plants/Jet/ Missile-Engines/... ACE HOFFMAN, EUGENE-ALVIN WIGNER-WEINBERG, EDWARD CARL-LUDWIG SIDNEY SIEGEL, failure-PREVENTION-associates(fPa)/TAT/TATL/Nuclear/Naval/Petrochemical/Aerospace/Military/..., ORNL/WIGNER/WEINBERG/SIEGEL/HOLLIFELD/YU/... COLLABORATION,**  
ANL/FERMI/WIGNER/ARROTT/WEEKS/BADER/FREEMAN/SINHA/PALAZLOTTI/NICHOLS/... COLLABORATION,  
BNL/CHUDAHRI/DAMASK/DIENES/EMERY/GOLDBERG/BAK//BARI/LOFARO/... COLLABORATION, LLNL-  
LANL/HECKER/TATRO/MEARA/ISBELL/WILKINS/YFREUND/YUDOF/DYNES/YANG/... COLLABORATION, WESTIN-  
KLOUSE/EPRI/PSEG/IAEA/ABB/RICKOVER/NINE/CARTER/STARR/STERN/HAMILTON/RICCOLLO  
COLLABORATION — Siegel[APS Shock-Physics Mtg., Chicago(11)] carbides solid-state chemistry[PSS (a)11,45(72); Semis. & Insuls. 5: 39,47,62 (79)], following: Weinberg-Siegel-Loretto-Hargraves-Savage-Westwood-Seitz-Overhauser-... , FIRST EXPERIMENTAL DISCOVERY of G-GMR[JMMM 7, 312(78); Google: "If LEAKS Could KILL Ana Mayo"] identified/IES GENERIC ENDEMIC EXTANT domination of old/new (so mis-called) "super" alloys': nuclear-reactors/spent-fuel-casks/refineries/jet/missile/rocket-engines in austenitic/FCC Ni/Fe/Co-based (so mis-called) "super" alloys (182/82; Hastelloy-X,600,304/304L-Stainless-Steels,...,690!!!) GENERIC ENDEMIC EXTANT detrimental(synonyms!!!): THERMAL: Wigner's-disease(WD; physics) [J.Appl.Phys.17,857(46)]/ Ostwald-ripening Ace Hoffman  
failure-PREVENTION-associates(fPa)/TAT/TATL/Nuclear/Naval/Petrochemical/Aerospace/Military/...

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