

TCDS\_review\_core\_minimal - resumen máquina-compacto (JSONL + SHA256 + bits)

UTC=2025-10-08T18:31:27.075734Z SHA256=43b0caab80b374f7def557ab06242a34007e9631f7e1e8f3e55  
JSONL:

```
{
  "meta": {
    "title": "TCDS_review_core_minimal",
    "version": "1.0.0",
    "utc": "2025-10-08T18:31:27.075734Z",
    "seed": 123456,
    "terminologia": {
      "SigmaFET": "oscilador_no_lineal_injection_locking",
      "LI": "locking_injection",
      "R": "pearson_r",
      "RMSE_SL": "rmse_sync_likelihood",
      "ventanas_pq": "regimenes_bloqueo_p_q",
      "ma": "escalar_ligero_portal_higgs",
      "WEP_PPN": "pruebas_equivalencia_debil_parametros_gamma_beta",
      "gamma": "correccion_yukawa_potencial_gravitatorio",
      "kappaSigma": "tasa_variacion_total_por_unidad_de_campo": {
        "lagrangiano": "L = 1/2(∂Σ)^2 - [ -1/2 μ^2 Σ^2 + (λ/4) Σ^4 ] + L_materia(χ) + (g/2) Σ μ/√λ",
        "masa_sigma": "mσ = √2 μ",
        "portal_higgs": "θ pequeño; sinθ << 1",
        "geometria_efectiva": "Σ=Ω^2(Σ)ημν, Ω≈1+αc(Σ-Σ0)/Mpl",
        "curvatura": "R≈CV^2Σ",
        "ppn": {
          "gamma": "≈1",
          "beta": "≈1"
        },
        "caracteristicas": {
          "oscilador_injection_locking": true,
          "submm_yukawa": true,
          "ppn_wep_relojeria_optica": true,
          "kpi": {
            "osc": {
              "PLV_max": 5,
              "RMSE_max": 0.1,
              "dDeltaf_dAc": ">0",
              "reproducibilidad_min": 0.95
            },
            "ppn": {
              "abs_gamma_minus_1": 5,
              "abs_beta_minus_1": "<=cota_externa"
            },
            "submm": {
              "chi2_red": "≈1",
              "region": "no_excluida(alpha,lambda)"
            },
            "ision": {
              "criterio_minimo": "2_de_3_canales_con_nulos_superados_y_preregistro",
              "S": "S=1/4Θ(ΔF)+1/4Θ(p-0.4)+1/4Θ(K-1); aprobar si S≥0.8"
            }
          },
          "datasets": [
            {
              "name": "dataset_SigmaFET_locking_sweep",
              "osc_kpi": true,
              "path": "/mnt/data/dataset_SigmaFET_locking_sweep.csv"
            },
            {
              "name": "dataset_PPN_mapping_synthetic",
              "role": "ppn_map",
              "path": "/mnt/data/dataset_PPN_mapping_synthetic.csv"
            },
            {
              "name": "dataset_Yukawa_submm_synthetic",
              "sv": true,
              "role": "submm_fit",
              "path": "/mnt/data/dataset_Yukawa_submm_synthetic.csv"
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            {
              "name": "manifest_review_package",
              ".json": true,
              "role": "hashes",
              "path": "/mnt/data/manifest_review_package.json"
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            {
              "name": "tabla_trazabilidad_criticas",
              "sv": true,
              "role": "trace",
              "path": "/mnt/data/tabla_trazabilidad_criticas.csv"
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          "trazabilidad": [
            {
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              "respuesta": "KPIs+nulo+Arnold",
              "doc": "Paradigma_pragmatico.pdf",
              "seccion": "Protocolo_SigmaFET_locking_sweep.csv"
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            {
              "critica": "viola_lorentz_ppn",
              "respuesta": "ppn≈GR",
              "doc": "Fuerza_Sigma.pdf",
              "seccion": "Apéndice_PPN",
              "dataset": "dataset_PPN_mapping_synthetic.csv"
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            {
              "critica": "fuerzas_electromagneticas",
              "a": "region_viable_alpha_lambda",
              "doc": "Fuerza_Sigma.pdf",
              "seccion": "Cotas_sub-mm",
              "dataset": "dataset_Yukawa_submm_synthetic.csv"
            }
          ],
          "procedimiento": [
            "verificar_hashes_manifest",
            "reproducir_PLV_r_RMSE_bloqueo_vs_Ac_monotono",
            "evaluar_gamma_beta",
            "ajustar_yukawa_alpha_lambda_y_chi2red",
            "aplicar_restricciones"
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          "ca": {
            "opt_in": true,
            "nulos_obligatorios": true,
            "parada_segura": true
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    }
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}
```

BITS (UTF-8) preview:

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```

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