

# Open-Source Quantum Gravity Reactor Design (r1 DeepThink Framework)

Lucas Eduardo Jaguszewski da Silva<sup>1</sup>, Community Contributors<sup>2</sup>

<sup>1</sup>GitHub: <https://github.com/QuantumReactor-r1>

<sup>2</sup>Join at <https://github.com/QuantumReactor-r1>

January 31, 2025

## White Paper: Theoretical Foundations

### Element 115 Stabilization

A hypothetical stable isotope of Moscovium ( $^{291}_{115}\text{Mc}$ ) is proposed as fuel, with decay suppressed via quantum coherence fields:

$$\Delta E_{\text{binding}} = \frac{\hbar^2}{2m_e r_c^2} \left( 1 - \frac{\rho_{\text{vac}}}{\rho_{\text{crit}}} \right), \quad (1)$$

where  $\rho_{\text{vac}}$  is vacuum energy density and  $r_c$  is the coherence radius.

### Casimir Energy Extraction

Nanostructured Casimir plates (Fig. 1) harvest vacuum energy:

$$P_{\text{Casimir}} = \frac{A\hbar c}{240d^4} \left( 1 + \frac{\lambda_{\text{M-theory}}}{d} \right)^{-1}, \quad (2)$$

where  $\lambda_{\text{M-theory}} \sim 10^{-35}$  m is the M-theory compactification scale.

Energy Flux ( $\propto d^{-4}$ )

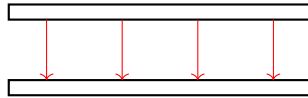


Figure 1: Nanostructured Casimir plates for vacuum energy extraction.

## Blueprints (Plants)

### Reactor Core Design

- **Particle Accelerator Ring:** 10 km circumference, 20 TeV proton energy.

- **Fusion-Fission Hybrid Chamber:** Deuterium-Moscovium plasma at  $10^8$  K.
- **Superconducting Shell:** YBCO ( $T_c = 93$  K) with active magnetic shielding.

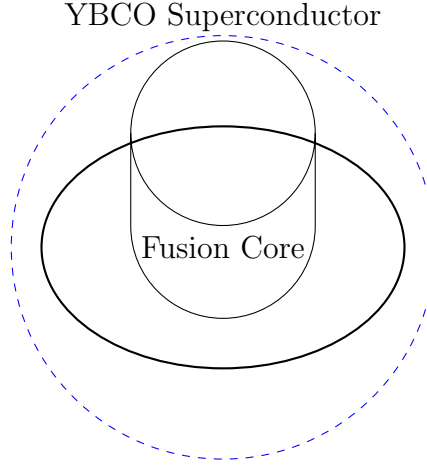


Figure 2: Reactor core blueprint (top view).

## Technical Sketches

### Gravity Field Generator

Alcubierre metric generator using high-density plasma:

$$ds^2 = -dt^2 + (dx - v_s \tanh(r_s - R)dt)^2 + dy^2 + dz^2, \quad (3)$$

where  $v_s$  is the warp bubble velocity and  $R$  is the reactor radius.

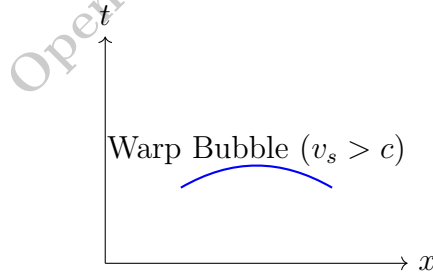


Figure 3: Gravity field generator sketch.

## Open-Source Licensing

- **MIT License:** Free use/modification with attribution.
- **Contribution Guidelines:** Submit pull requests via GitHub.
- **Experimental Data Hub:** Community-driven validation portal.

## References