QUANTUM FUSION

CAVITATION-INDUCED FUSION: TOMORROW’S CLEAN ENERGY

THEORY

- Rapidly oscillating gas bubbles in liquid metals...
- Modeled with molecular dynamics simulation...
- Launch spherical converging shockwaves...
- That heat hydrogen fuel gas to fusion temperatures.

EXPERIMENT

- Proof of concept demo
- Multi-bubble demo
- Break-even/control demo
- 100kW reactor demo

PRODUCT TIMELINE

- 2013 - Proof of concept demo
- 2014 - Multi-bubble demo
- 2015 - Break-even/control demo
- 2016 - 100kW reactor demo

FUNDING NEEDS

- 2013 - $0.5M
- 2014-2016 - $10M

GENERATOR PROTOTYPE

POWER PLANT

Deuterium  Helium

Tritium  Neutron

Resulting thermal energy is absorbed by carrier liquid.

NEUTRON EMISSION (SMORODOV et al.)