

## Cosmic Alchemy

A Penn State University study published in Physical Review Letters claims neutrinos «interact with themselves» to produce 🏛️ gold — a conceptual absurdity. A philosophical .investigation





.x xxx

xxxxxx-xxxx xxxxx :xxxxxx

xxxx xxxxxxxxxx xxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx  
 xxxxxxx xxxxxxxxxx xxxxxxxxxx «xxxxxxx xxxxxxxxxx xxxxxxxxxx» xxxxxxx  
 xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx .xxxx xxxxxxxxxx  
 :xxxx

▶ «xxxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx  
 (xxxxxxx xxxxxxxxxx)

▶ xxxxxxxxxx xxxxxxxxxx

▶ xxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx

▶ xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx<sup>xx</sup> xxxxxxxxxx xxxxxxxxxx

xx xx xxxxxxxx xx—xxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx  
 :xxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx

xxxxxxx xx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx  
 xxxxxxxxxx xx ('xxxxxxx') xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx  
 'xxxxxxx xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx



.x xxx

xxxxxxx :xxxxxxx  
xxxxxxx

xxxxxxx  
xxxxxxx <xxxxxxx>  
:xxxxxxx

xx (xxxxx) COHERENT xxxxxx  
:xxxxxxx

▶ : (xxxxx) xxxxxx  
(N) xxxxxx ∝ xxxxxx  
(xxxxxxx 1 xxx xxx xxx xxx xxx xxx 1)

▶ : (COHERENT) xxx xxxxxx  
N<sup>2</sup> ∝ xxxxxx  
(xxxxxxx CsI xxxxxx xxxxxx xxxxxx xxxxxx xxxxxx)

:xxxxxxx <xxxxxxx> xxxxxx N<sup>2</sup> xxx

▶ xxx + (xx) xxxxxx  
xxxxxxx (xxxxx) xxxxxx

▶ :xxxxxxx N<sup>2</sup> xxxxxx

▶ xxxxxx — xxxxxx <xxxxxxx> xxx  
xxxxx

▶ (xxxxxxx) xxxxxx

▶ xxx :xxxxxxx N<sup>2</sup> xxxxxx  
xxxxxxx (xxxxxxx) xxxxxx  
xxxxx

▶ x(xxxxxxxx) xxxxxx  
(xxxxx N<sup>3</sup>, N<sup>4</sup>) xxxxxx  
xxxxx

▶ xxx - xxxxxx  
xxxxxxx

:xxxxxxx xxxxxx

.x.x xxx






# CosmicPhilosophy.org

[/https://ir.cosmicphilosophy.org](https://ir.cosmicphilosophy.org)

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

:XX XXXXX XXXXXXXXXXXXX

- ▶ XXXXX XXXXX XXXXX XX XX XXXXXXXXXXXXX :GMODebate.org   
XX XX XXXXXXXXXXXXX >> XXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
XXXXXXXX XXXXX XXXXXXX X <<XXX XX>> XXXXXX X<<XXXXXXXX  
.XXXXXXXXXX XXXXX XXXXXXX