

11 Undocumented Changes Made by Michael McKubre for Experiment M4

1. (2000-2003) - Invented a fourth, unmeasured, predicted heat/helium-4 value for helium sample #4 (85% of ~24 MeV) at 1407 hours into the experiment despite the fact that his calorimeter had failed at that point and he wasn't able to get an accurate heat measurement. (Slides 37-40)
2. (2000-2003) - Invented an imaginary helium retention principle to explain what appeared to him as too little helium-4 for sample #1 to support his hypothesis. His untested principle conflicted with the known behavior of helium in metals and with the fact that helium sample #2 produced too much helium-4 for his hypothesis (Slides 42-45)
3. (2000-2003) - Invented an imaginary helium extraction procedure (Slide 43)
4. (2000-2003) - Shifted the theoretical baseline for helium sample #1 *down* by about 40% of ~24 MeV (Slide 49)
5. (2000-2003) - Shifted the theoretical baseline for helium sample #2 *up* by about 150% of ~24 MeV (Slide 50)
6. (2000-2003) - Added (or moved) a helium-4 data point at 1172 hours, represented as 1.556ppm, when sample 3, taken at that time, was measured at 0.34ppm (Slide 54)
7. (2000-2003) - Shifted the invented heat/helium-4 data point for helium sample #4 (helium was measured, heat was not) from 85% to 104% of ~24 MeV (Slides 37-40)
8. (2007) - Added a new, unmeasured, helium-4 data point at 1500 hours (Slide 66)
9. (2007) - Shifted helium-4 data point #3 from 1172 hours to 530 hours (Slides 68-69)
10. (2007) - Added new, unmeasured helium-4 data point at 525 hours (Slides 69)
11. (2007) - Changed his "Cycling Procedure" from a 200-hour duration to 600 hours (Slides 71)

Slides

[When Nuclear Is Not Enough: A Tangled Tale of Two Experiment](http://newenergytimes.com/v2/news/2010/35/35pdf/2010When-Nuclear-Is-Not-Enuf.pdf)

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Full Investigation Record

[Investigation of Michael McKubre's "M4" Experiment](http://newenergytimes.com/v2/sr/McKubreM4/McKubre-Experiment-M4.shtml)

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