Staged Magnetic Compression of FRC Targets

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**Project Overview**
- Merge and compress FRC targets
- Develop high field drivers
- Increase scale and compression field of FRC compression beyond previous programs

**Key Insights and Innovations**
- Showed confinement scaling (micro) and macro stability all scale as expected
- Repetitive high field magnets are a challenge, but were developed and implemented

**Accomplishments and ARPA-E Impact**
- 8 Tesla Peak Fields
- D-D fusion neutrons
- Verified FRC Scaling
- 989 High energy FRC compression shots
- 7100 total shots
- < $1/Joule per shot delivered driver energy

1 Patent
9 Presentations and Publications

**Future Plans**
- Larger scale and higher field systems
- Advanced fuels