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SAND #

- Reactive foils are ignited with 100  $\mu$ s to 100 ms laser pulses.
- Pulse length, focused laser beam size, and bilayer thickness affect the threshold for ignition.
- Laser-foil interaction volume affects ignition threshold.
- Foils usually ignite before laser pulse ends, leading to an effective pulse length.
- Future work will involve exploring foil ignition times using ns and fs laser pulses.