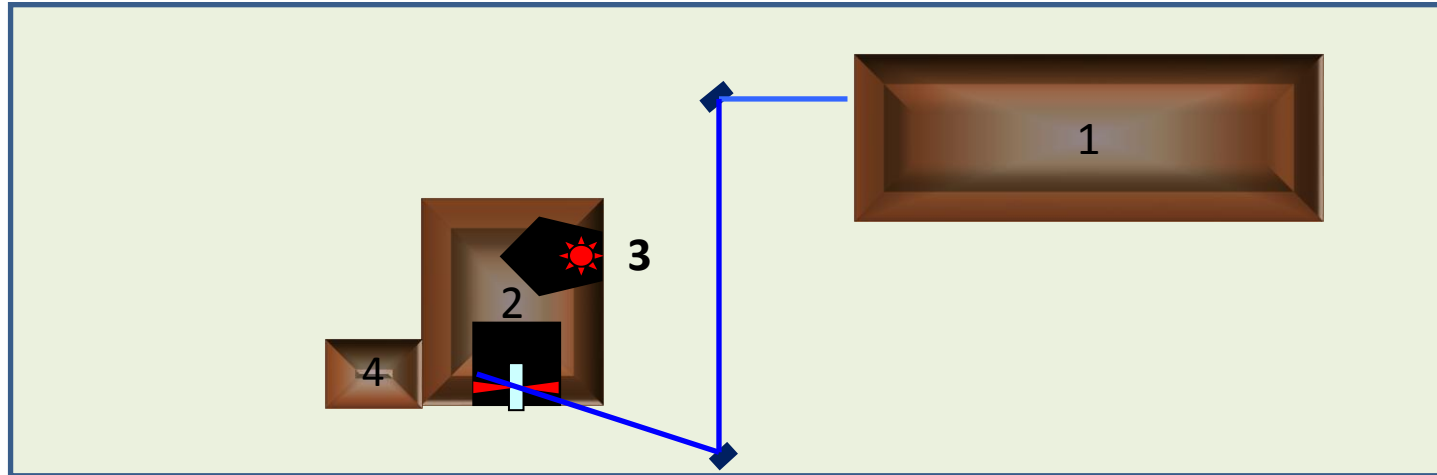


10 – 50 Hz nanosecond IR transient absorption setup



1. Infinity nanosecond pulsed YAG:Nd excitation laser
2. IR monochromator
3. Broadband IR probe light source
4. Mercury cadmium telluride single-point IR photodetector

10 – 50 Hz nanosecond IR transient absorption setup

| Excitation | | Probe | Instrument response function, ns | Time window, ms |
|----------------|------------------------|---------------------------|----------------------------------|-----------------|
| λ , nm | Max energy, mJ / pulse | λ , μm | | |
| 532 | 16 | 4 - 12 | 50 | 1 |
| 355 | 12 | | | |
| 266 | 2 | | | |