

PHAZZLER Implementations

| FEATURES | Standard PHAZZLER | Broadband Single-shot PHAZZLER | Narrowband Single-shot PHAZZLER |
|--|---|---|--|
| Optical hardware | High Resolution Dazzler, lenses, SHG crystal (type I interaction), and spectrometer | High Resolution Dazzler, lenses, calcite plate, SHG crystal (type II interaction), and spectrometer | High Resolution Dazzler, lenses, TeO2 plate and prism, SHG crystal (type II interaction), and spectrometer |
| Measurement range | 20fsec to 1.5psec | 20 fsec to 700fsec | 100 fsec to 1.5psec |
| Multishot SH-FROG | x | √ | √ |
| Multishot baseband SH-FROG and Interferometric SH-FROG | √ | x | x |
| Multishot SPIDER | √ | x | x |
| Single shot SPIDER | x | √ | √ |
| WAVELENGTH RANGES | UV, Visible, NIR | 700-900nm | 1000-1100nm |
| APPLICATIONS | MultiKHz Ti:Sa , Ytterbium and fiber based femtosecond amplifiers, OPAs and NOPAs | High Energy Ti:Sa lasers | High Energy Nd:Yag lasers |