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Temperature of operation of the crystals is 22°C except where noted

For second Harmonic Generation: 1064nm > 532nm, crystals only:

CRYSTAL	ANGLE	TYPE
BBO	22.3	1
LBO	11.8	1
KD*P	36.8	1
KD*P	53.5	2
CD*A	81	1
KTP	24	2
LiIO3	30	1

Notes on second harmonic generating crystals:

- 1) KD*P type 2 is more efficient than KD*P type 1.
- 2) KTP is type 2 only.
- 3) LiIO3 is type 1 only, low lowest damage threshold, ~ 50MW/cm².

For third Harmonic Generation: 1064nm + 532nm > 355nm, crystals only:

CRYSTAL	ANGLE	TYPE
BBO	38.6	2
LBO	59.4	2
KD*P	61.1	2

Notes on third harmonic generating crystals:

- 4) KTP type 2 will not work alone. Type 1 at a different angle may be used with a half-wave plate .
- 5) LiIO3 will not work because of poor transmission at 355nm.

For fourth Harmonic Generation: 532nm > 266nm, crystals only:

CRYSTAL	ANGLE	TYPE
BBO	47.9	1
ADP	90 @ 48°C	1
KDP	80.0	1
KD*P	90 @ 51°C	1

Notes on fourth harmonic generating crystals:

- 6) LBO will not work since there is no phase match.
- 7) LiIO3 will not work.