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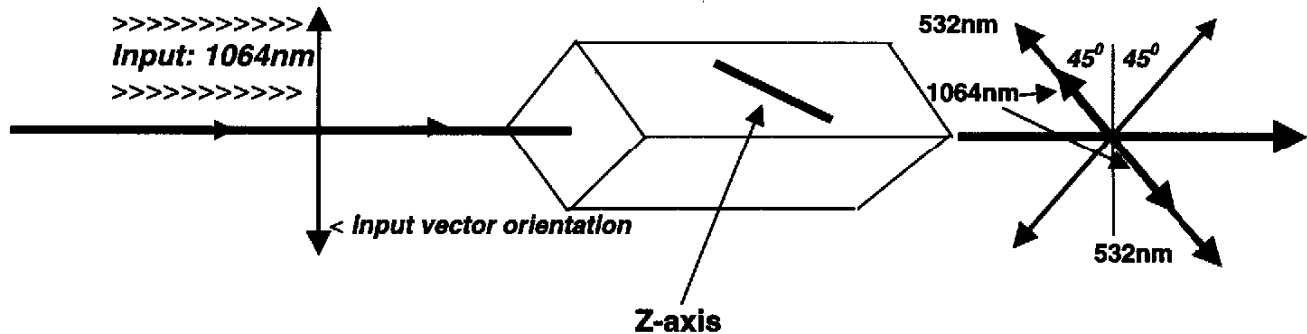
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# SHG – CRYSTAL ORIENTATION FOR TYPE II D-DKP (KD\*P) AND KTP CRYSTALS

## Second Harmonic Generation 1064 nm to 532nm

Below is the typical orientation of the input 1064nm laser beam, the SHG crystal, and the output vectors at the two wavelengths (1064nm and 532nm). The separation of the two wavelengths is accomplished by appropriate optical techniques, such as, optical filter or prism.

### D-KDP Type II or KTP Type II SHG



Sketch: DKDP/KTP TYPE II SHG SETUP