

untitled - co2amp

New

Open...

Save

Save as...

Calculations

Output

About

INPUT PULSE

☐ from file (*.co2x)

Pulse energy

0.01

J

Pulse width (fwhm)

5

ps

Central frequency

28.3062

THz

$\lambda = 10.5911 \mu\text{m}$

Beam radius (hwhm)

0.25

cm

Injection moment

0.65

μs

Number of pulses

1

CALCULATION NET

Precision (time, coord.)

2048

64

Time range

-100

400

ps

PUMPING

☒ Discharge
 ☐ Optical

Discharge volume

8500

cm³

Interelectrode distance

8.5

cm

?

0	0	600000
0.02	6210	588000
0.04	19300	576000
0.06	24600	565000
0.08	27700	554000
0.1	29300	543000
0.12	30000	532000

GAS MIXTURE

CO2

0.5

bar

13C

0

%

N2

0.5

bar

18O

0

%

He

2

bar

T0

300

K

COMMENTS

demo: default inputs

OPTICAL CONFIGURATION

COMPONENTS

?

p	PROBE	1.0	
am	AM	1.0	100.0

LAYOUT

?

No propagation calculations

p - 100 - am - 100 - p

Calculate