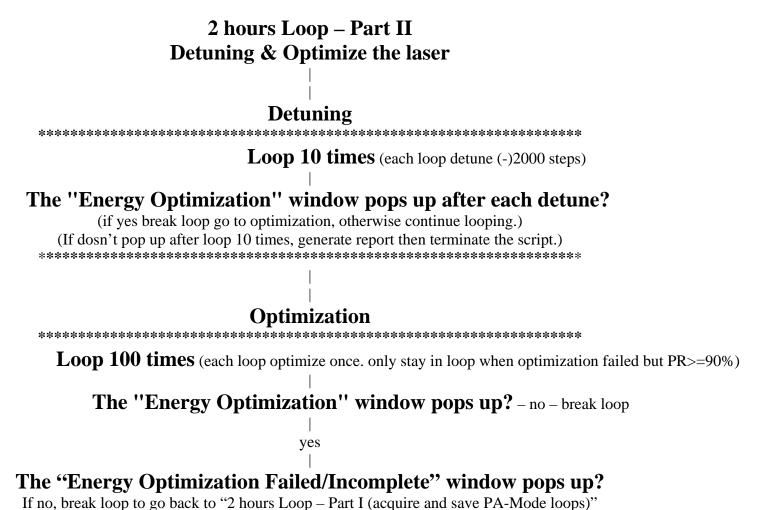


# 2 hours Loop – Part I Acquire & Save PA-Mode cine loops

**Loop 4 times** (each loop acquire and save 1 PA-Mode cine loop) In each loop: Start scanning in PA-Mode & Select "PA Acquisition" Screen Key **Previous sub-mode was "Spectro"?** (if yes then stay scanning in "Single", otherwise select next sub-mode) The "Spectro Acquisition Setup" window pops up? (if yes then ok it, otherwise do nothing) Scanning 3 minutes for non-Spectro sub-mode or scanning till Spectro sub-mode is paused **Record Laser OPO and SHG Energy after pause** (these energy are also recorded after succeeded optimizations) The "Energy Optimization" window pops up after pause scan? (if yes then optimize, otherwise continue) Save the acquired PA loop as "Image#" (# is an increasing number) 2 hours Loop – Part II **Detuning & Optimize the laser** 



#### Report

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#### **Report:**

The script began from 1/25/2012 1:36:48 PM and finished at 1/25/2012 6:00:24 PM (263.6 minutes in total).

The Laser Shot Count increased from 874981 to 1157269 (increased 282288 in total).

65 PA-Mode cine loops (different sub-modes) were saved.

Total Optimized 17 times, and Failed 0 times.

The Optimization Passing Rate is 100%.

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## **Option 1** (current script) – each PA-Mode loop 3 minutes:

Each loop is about 3 \* 4 + 3 = 15 minutes. In 2 hours cycle can loop 8 times.

In 4.5 hours, the script will save 65 PA-Mode cine loops and execute 17 Optimizations in total.

#### **Option 2** – each PA-Mode loop 2 minutes:

Each loop is about 2 \* 4 + 2 = 10 minutes. In 2 hours cycle can loop 12 times.

In 4.5 hours, the script will save 97 PA-Mode cine loops and execute 25 Optimizations in total.

## **Option 3** – each PA-Mode loop 1 minute:

Each loop is about 1 \* 4 + 2 = 6 minutes. In 2 hours cycle can loop 20 times.

In 4.5 hours, the script will save 161 PA-Mode cine loops and execute 41 Optimizations in total.