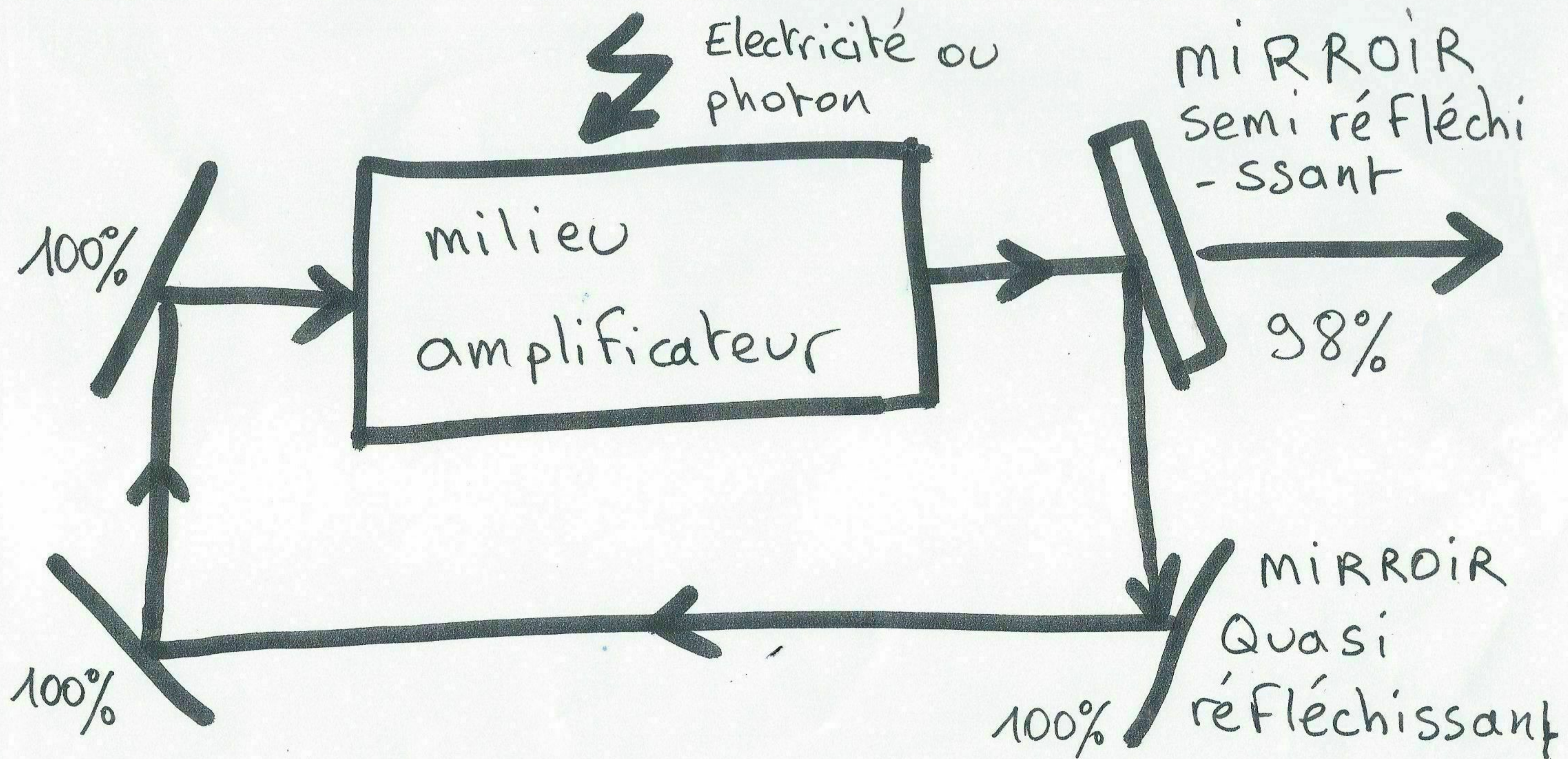


# LASER



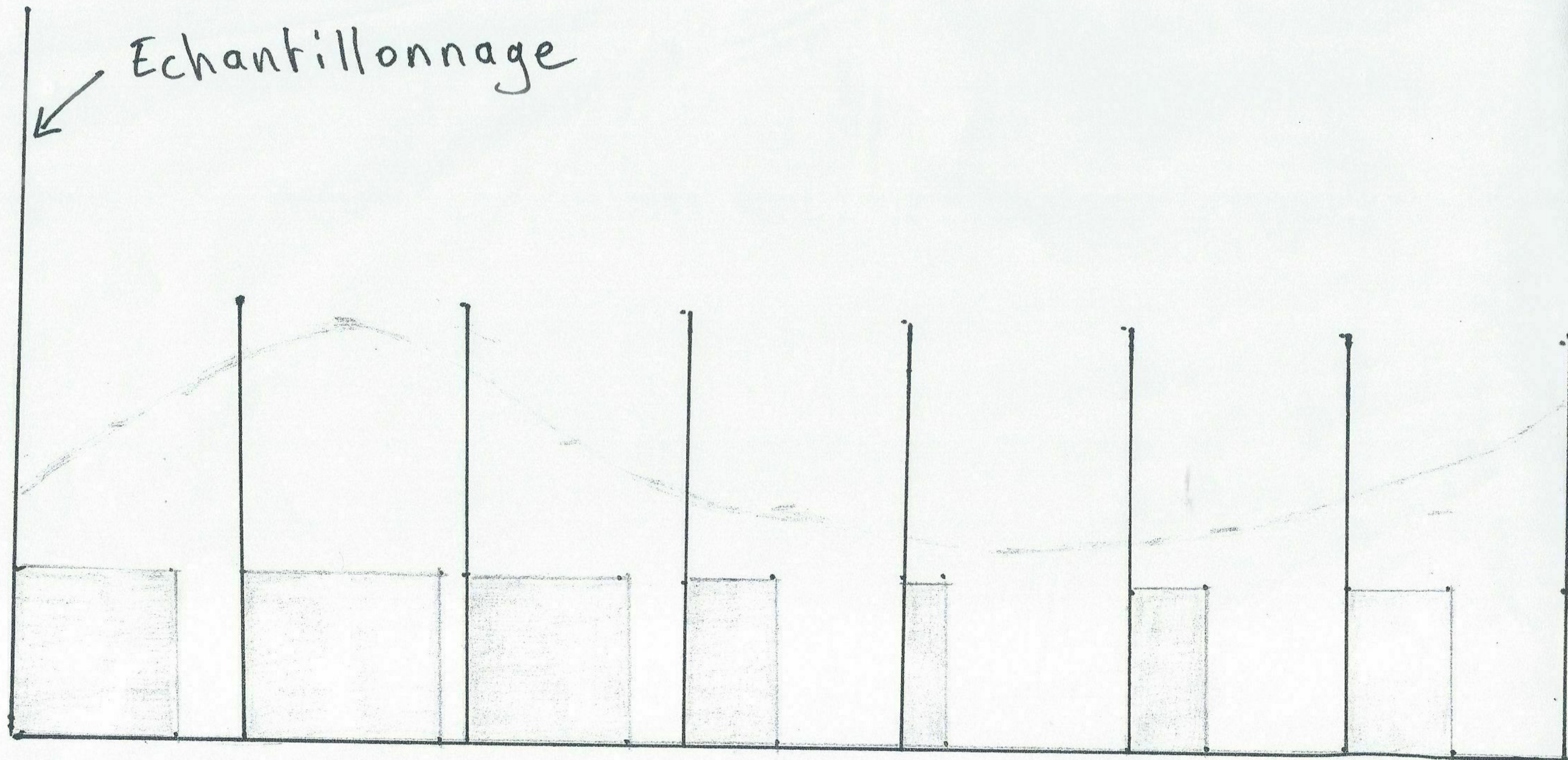
**M**odulation

**P**ar

**L**argeur

d' **I**mpulsion

( P W M )



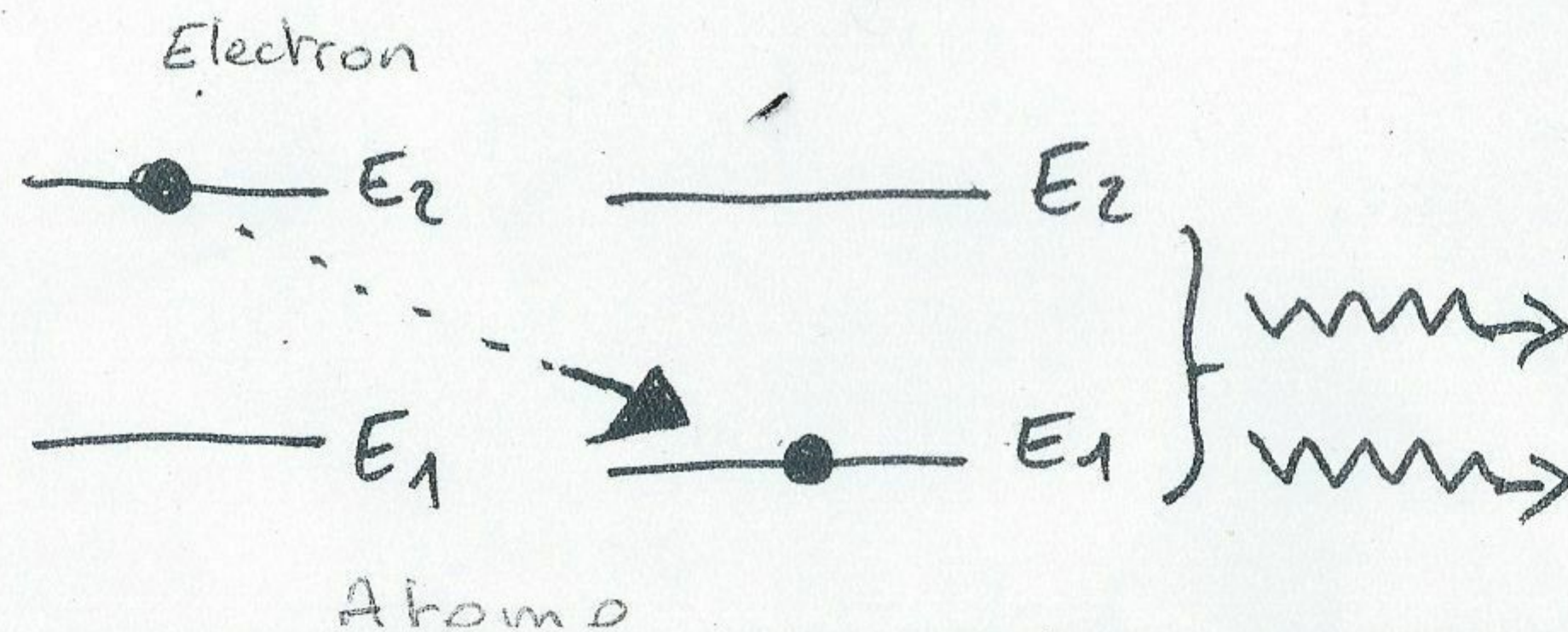
-----  
durée allumage laser

=====  
éteint

# DEMO LIAISON LASER

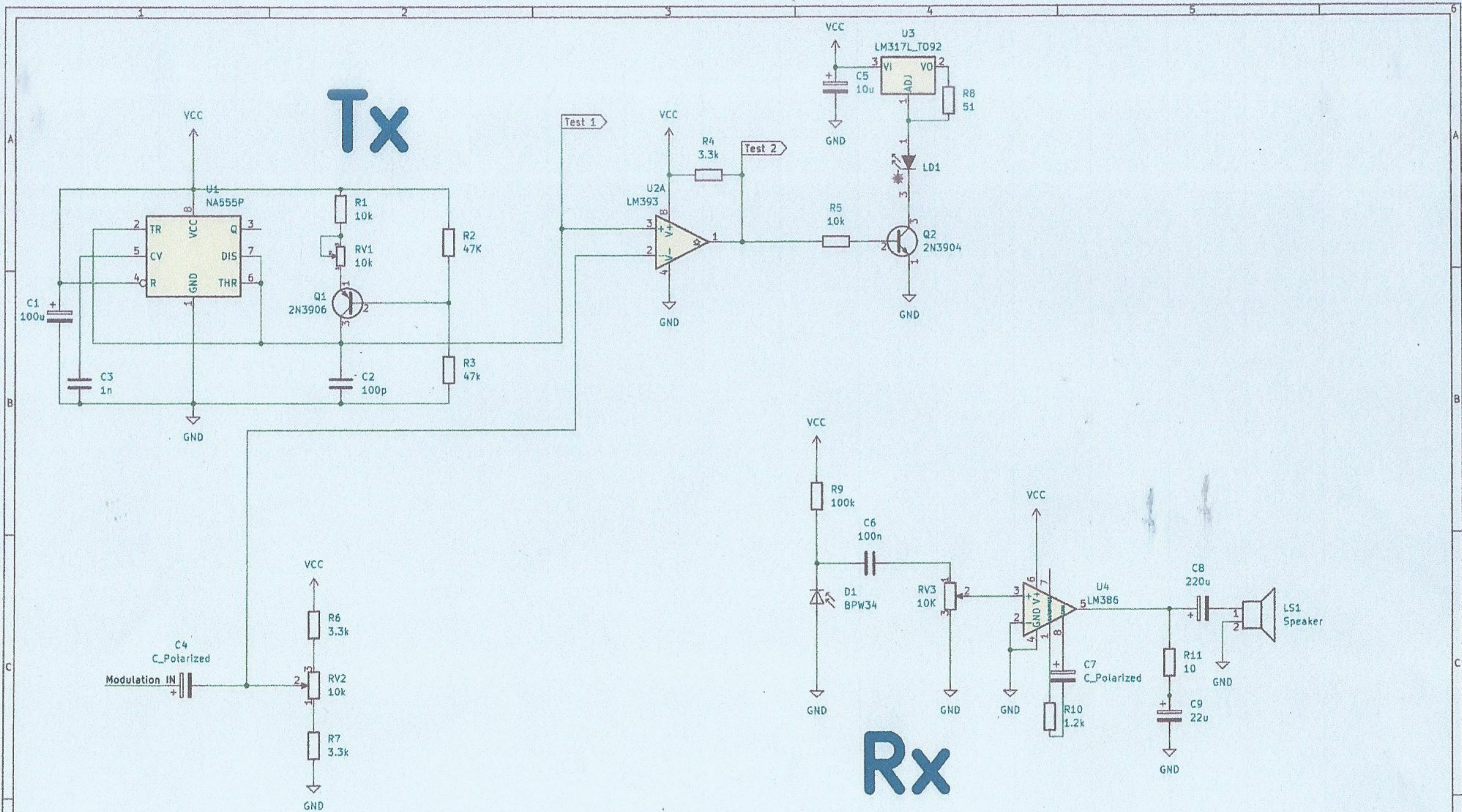
Emission stimulée

photon



photons identiques  
même direction  
couleur unique  
même énergie

# Tx



# Rx

Sheet: /  
File: pwm laser ma version.kicad\_sch

Title:

Size: A4 Date:  
KiCad E.D.A. kicad 7.0.9

Rev:  
Id: 1/1

## bom

| Designator     | Footprint                                        | Quantity | Value             |
|----------------|--------------------------------------------------|----------|-------------------|
| C1             | CP_Radial_D4.0mm_P2.00mm                         | 1        | 4.7uF             |
| C2             | C_Disc_D3.0mm_W1.6mm_P2.50mm                     | 1        | 3.3nF             |
| C3             | C_Disc_D3.0mm_W1.6mm_P2.50mm                     | 1        | 100nF             |
| C4             | CP_Radial_D4.0mm_P2.00mm                         | 1        | 10uF              |
| J1             | Jack_3.5mm_CUI_SJ-3523-SMT_Horizontal            | 1        | AudioJack2_Ground |
| R1             | R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal | 1        | 1.8k              |
| R10            | R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal | 1        | 1k                |
| R11            | R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal | 1        | 33                |
| R2, R3, R5     | R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal | 3        | 3.9k              |
| R4             | R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal | 1        | 15k               |
| R6, R7, R8, R9 | R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal | 4        | 2.7k              |
| U1, U2, U3     | DIP-8_W7.62mm                                    | 3        | TL071             |
| U4             | DIP-8_W7.62mm                                    | 1        | LM311             |
| U5             | TO-220-3_Vertical                                | 1        | LM317_TO-220      |