

# Connections to other Labs

## AtomLab - ResLab

| Cable     | Application              | Informations                                        |
|-----------|--------------------------|-----------------------------------------------------|
| BNC 1     | Beat with comb           |                                                     |
| BNC 2     | Photodiode behind cavity |                                                     |
| BNC 3     | CCD behind cavity R1     |                                                     |
| BNC 4     | Photodiode behind fiber  | RF: Fiberstabilization / mix down<br>DC: ~ 15-20 mW |
| BNC 5     | External frequency       |                                                     |
| BNC 6     | External Reset           |                                                     |
| LAN-cable | PTB                      | colour: red                                         |

## Fiber

## GPS / Uni top

## Qport - ResLab

| Connections           | Application        | Informations             |
|-----------------------|--------------------|--------------------------|
| BNC / QPortRef-label  | 10 MHz             | from 10MHz distributor   |
| BNC / QPortRef2-label | 987.733 MHz; +2dBm | from Marconi Synthesizer |
| Fiber                 | 1064nm; ~75mW      | Mephisto-laser           |

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