

Connections to other Labs (IQ)

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 DC: ~ 15-20 mW
BNC 5	External frequency	
BNC 6	External Reset	
BNC red	-	
BNC white	-	
BNC blue	-	
BNC yellow	-	
BNC green	-	
AirCell 5	10 MHz	10MHz distributor → Filter → Cable
LAN-cable	PTB	colour: red

Fiber

Fiber	Application	Informations
914 nm	Clocklaser	20 mW
780 nm	for beat measurements with the frequency comb	-
Dublex-Fiber	Fiberstabilization from Hannover to PTB	-

Uni top - ResLab

Cable	Application	Informations
N-Connector / GPS Antenna on roof-label	GPS Antenna	Currently connected: JAVAD Ringant G3T (for Geo++ TRE-G3T GPS Receiver); Also available another antenna on top for K&K GPS Receiver

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

Thijs - ResLab

Connections	Application	Informations
BNC / D220-label (AriCell-10)	10 MHz	from 10MHz distributor

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