

Incoupling breadboard

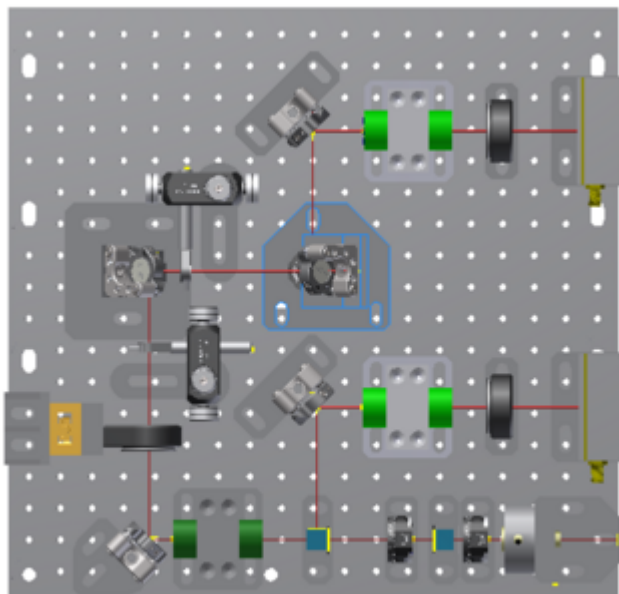
[2D Drafts of the mounts](#) Breadboard: M4-Löcher im Abstand von 15 mm

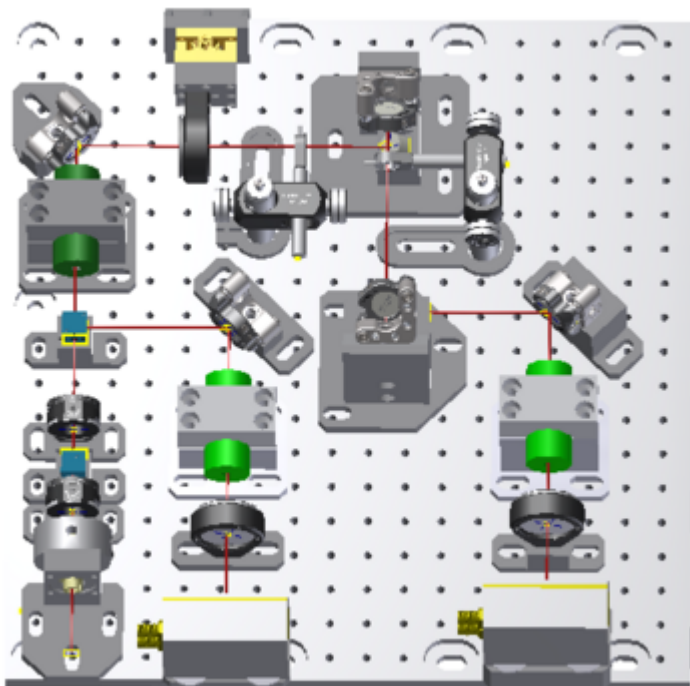
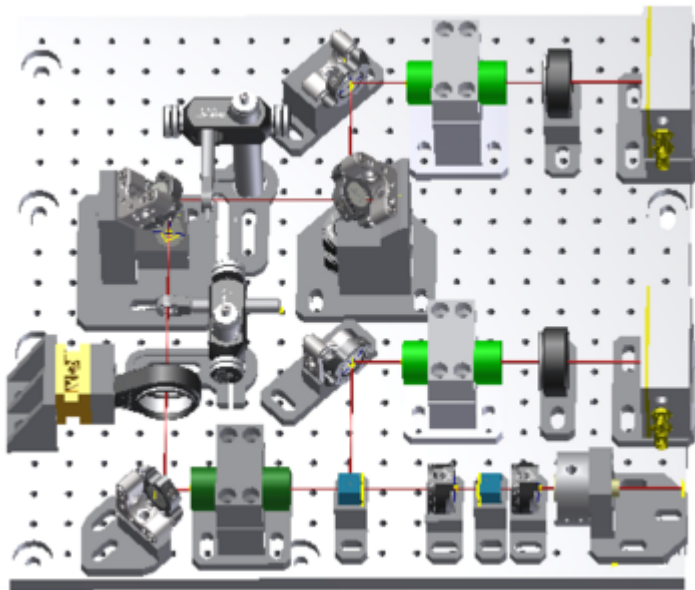
Anforderungen:

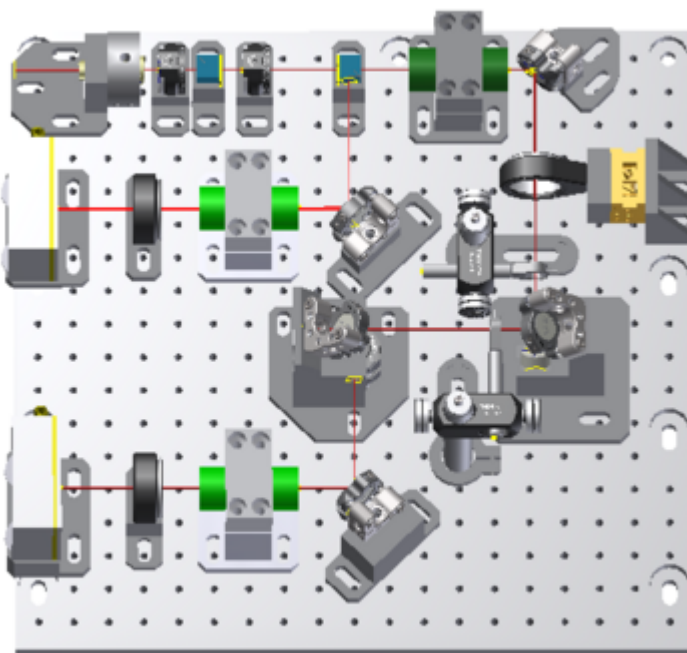
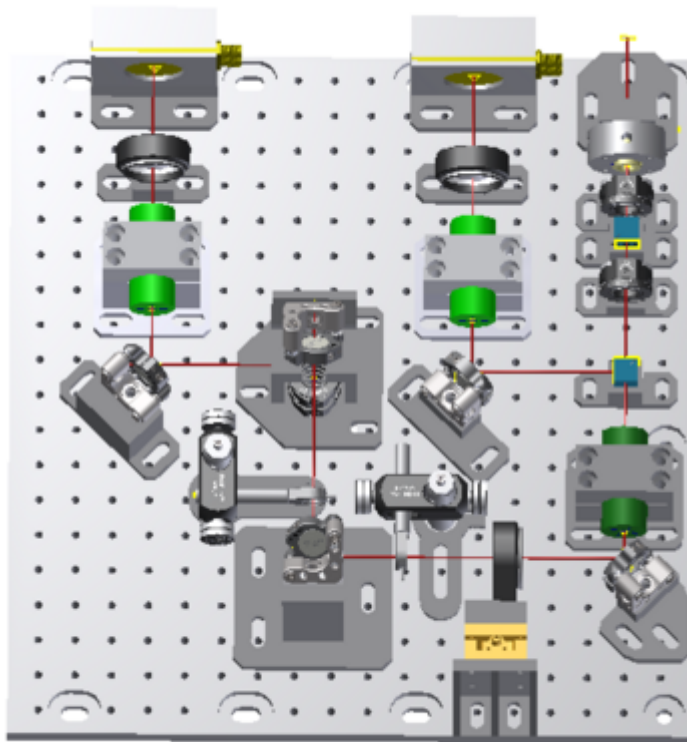
- jedes Element verschiebbar, sodass keine Reflexe zurück ins System reflektiert werden
- Mode Matching Linse auf einer Linear Stage, damit der Fokus direkt auf den ersten Spiegel fokussiert werden kann
- zwei Blenden zur Justierung des Laserstrahls
- jeder Halter individuell angepasst auf das Breadboard
- Isolatorhalter: speziell mit Dreipunktlagerung
- Halter: zur Dreipunktlagerung auf Unter
- Winkel bei den Spiegeln wurden nicht größer als im Datenblatt vorgeschrieben gewählt

Version 5

- two Waveplates can be mounted, so that the polarisation can be adjusted direktly in front of the cavity
- "light-elevator"
- the right PDs were used (PTB)



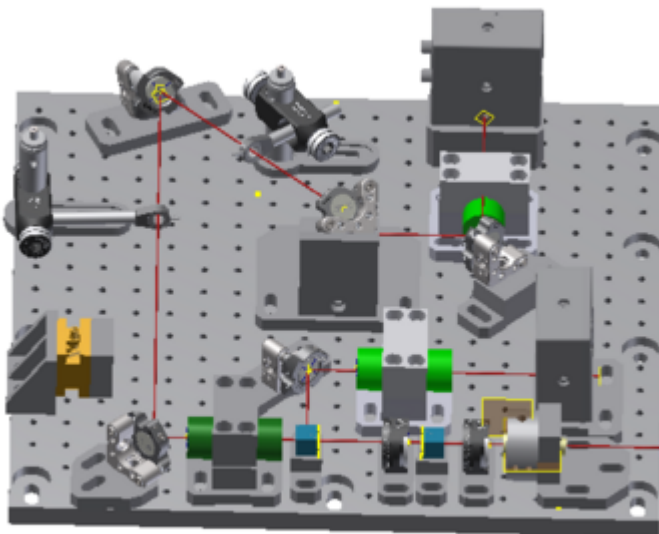
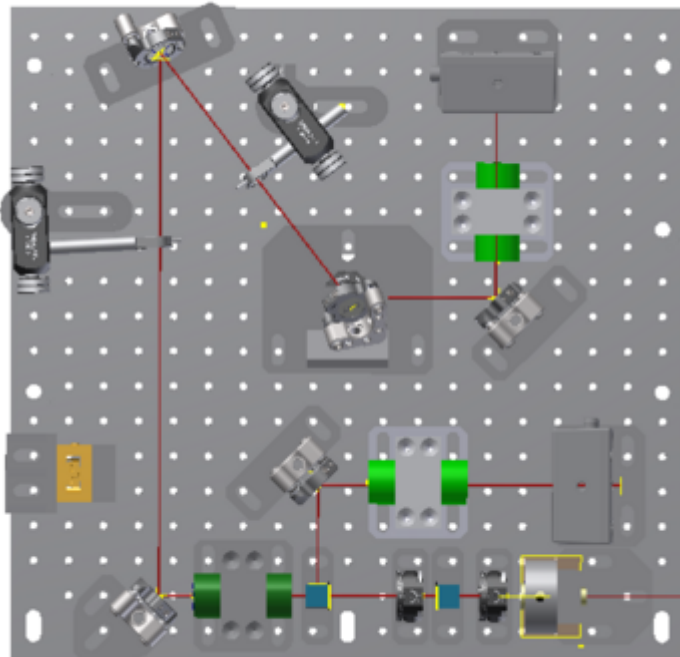


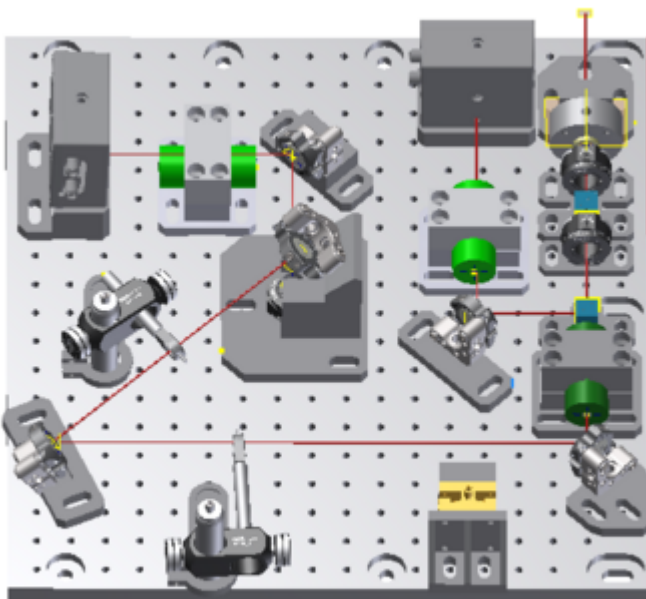
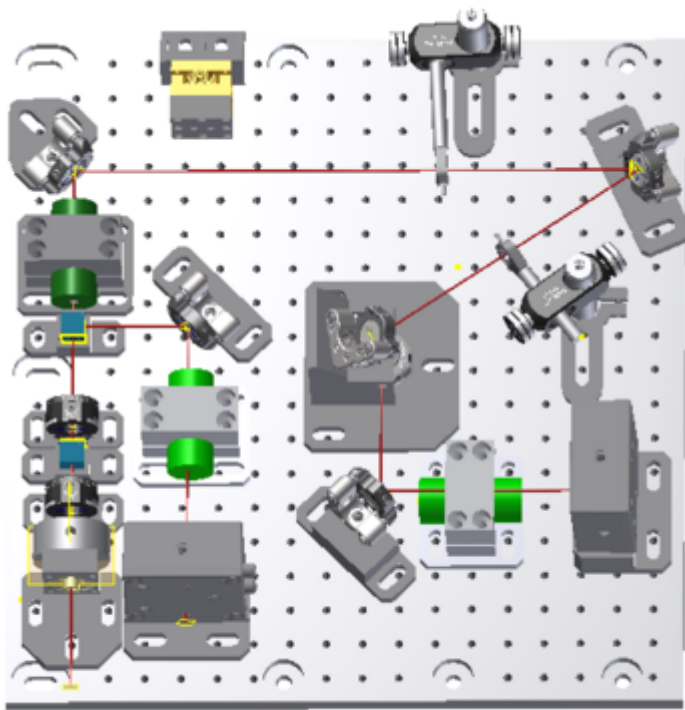


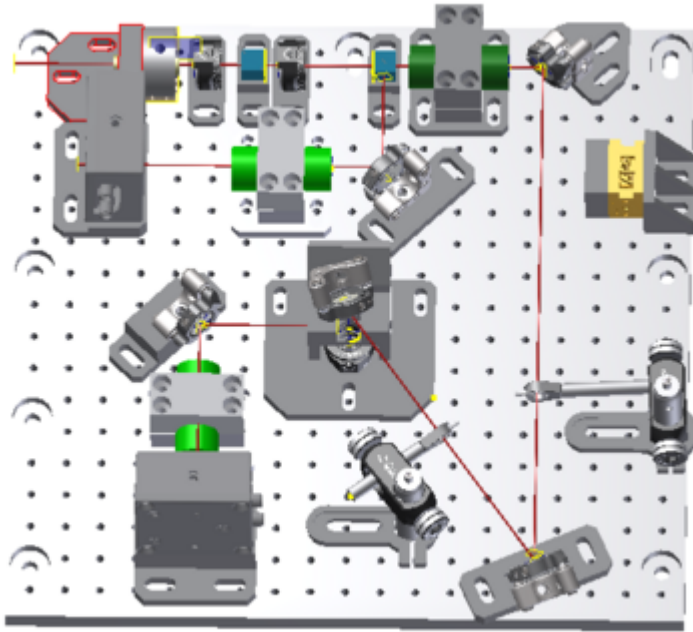
Version 4

- sending light upwards is not good, “elevator” is better
- PDH-PD and RAM-PD: good, that there is the possibility to place isolators in front of them if they are needed
- Breadboard bigger for more space

- Vakuum-ground can be connected to vakuum-top by the breadboard

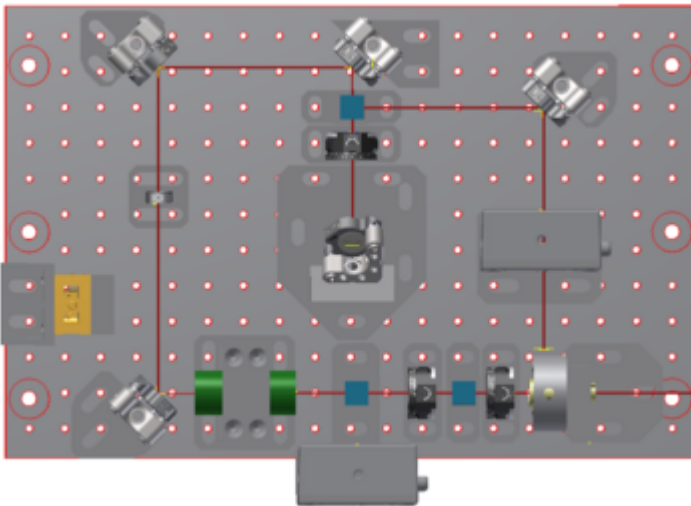


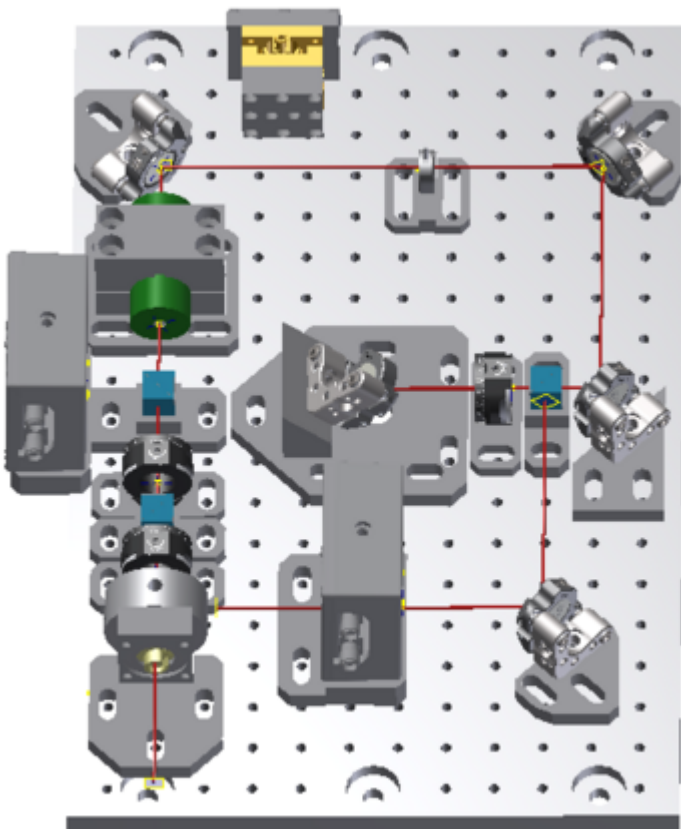
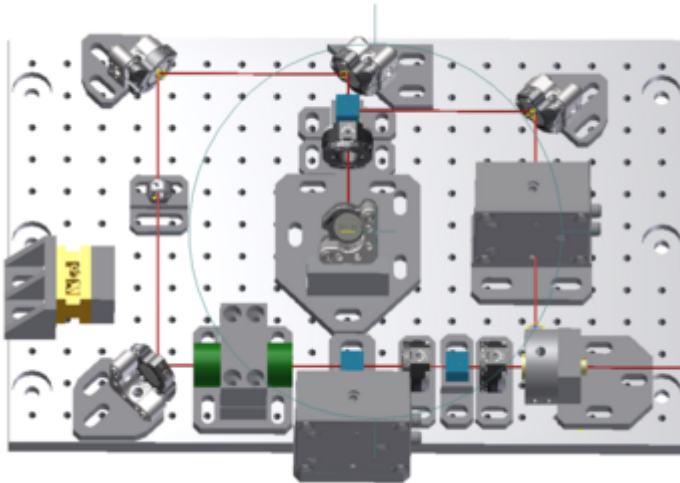


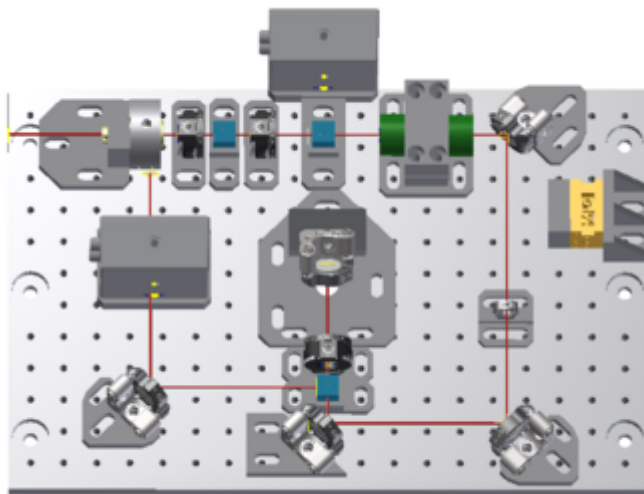
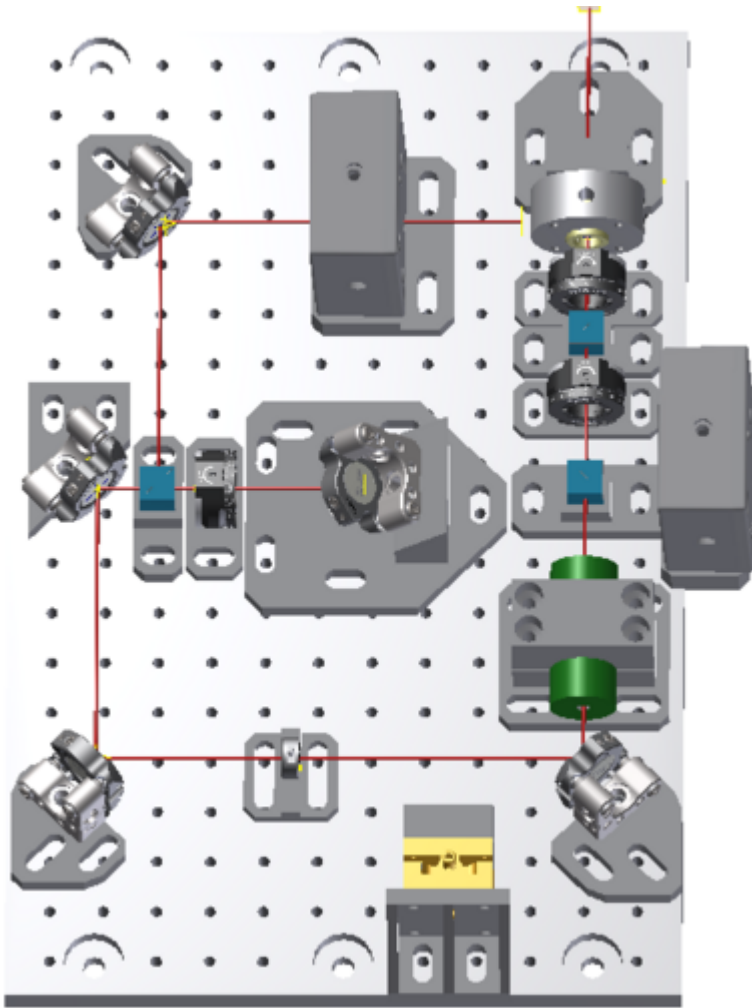


Version 3

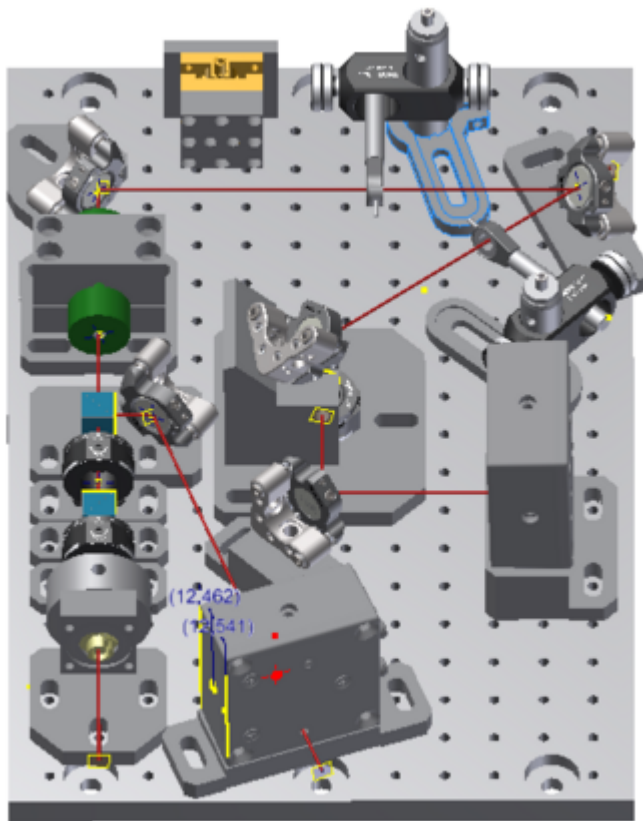
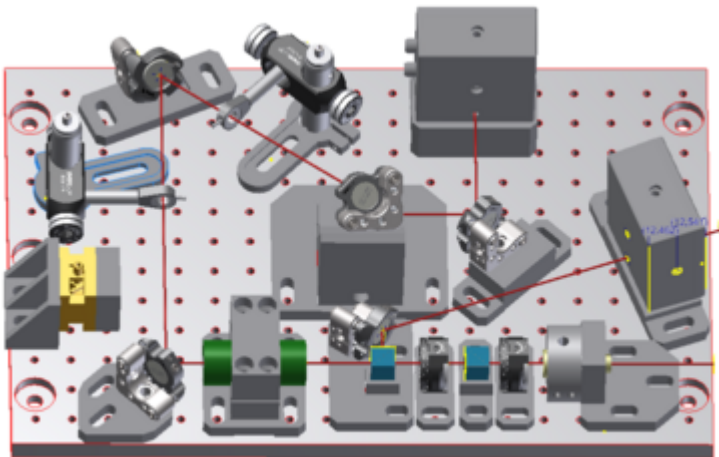
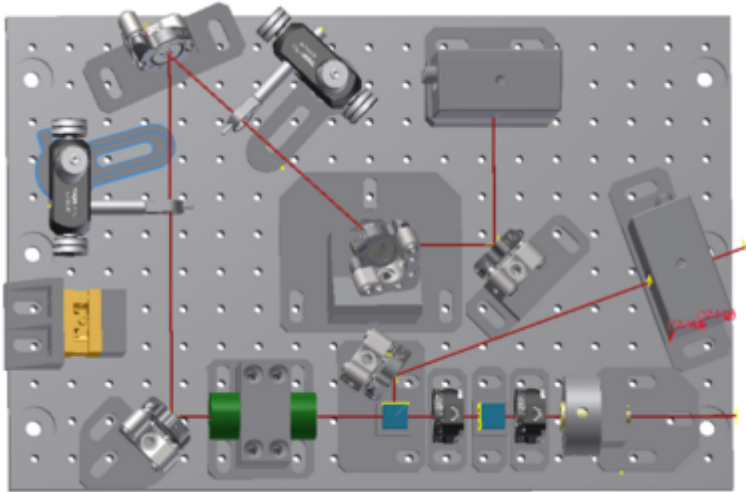
- RAM-PD: no mirror in front of it for adjusting the laser beam

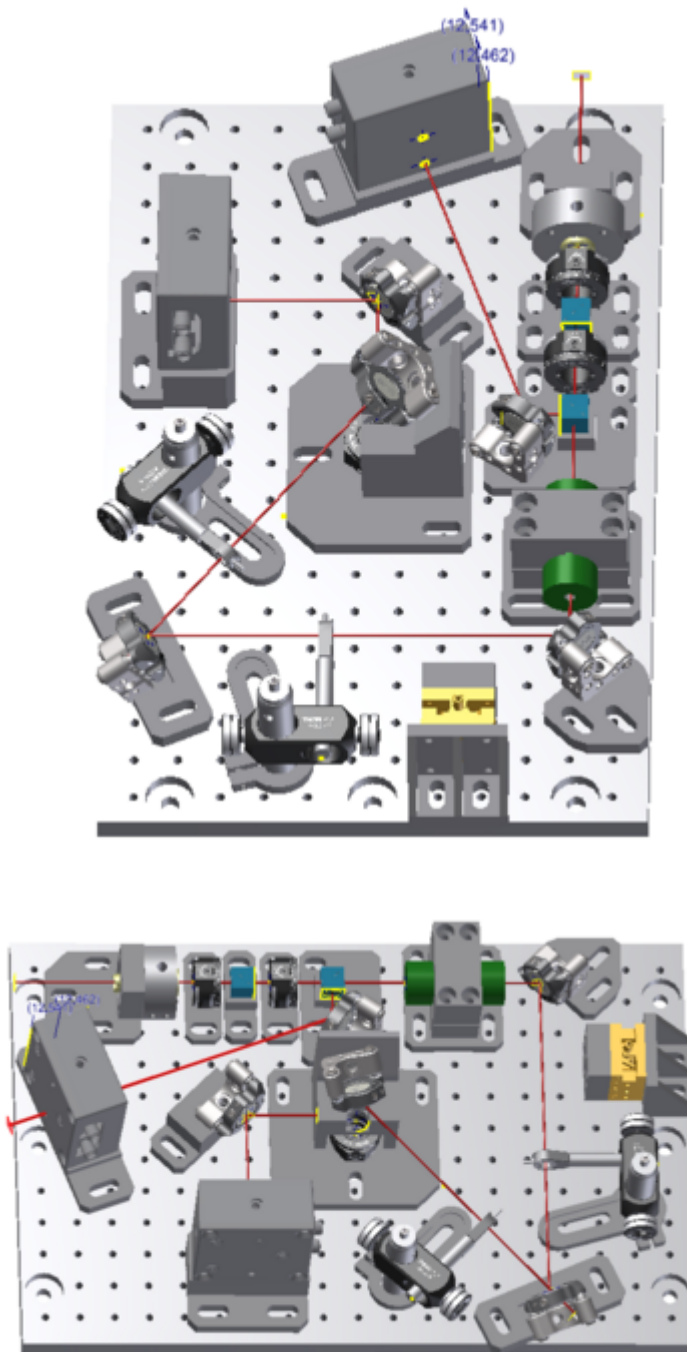






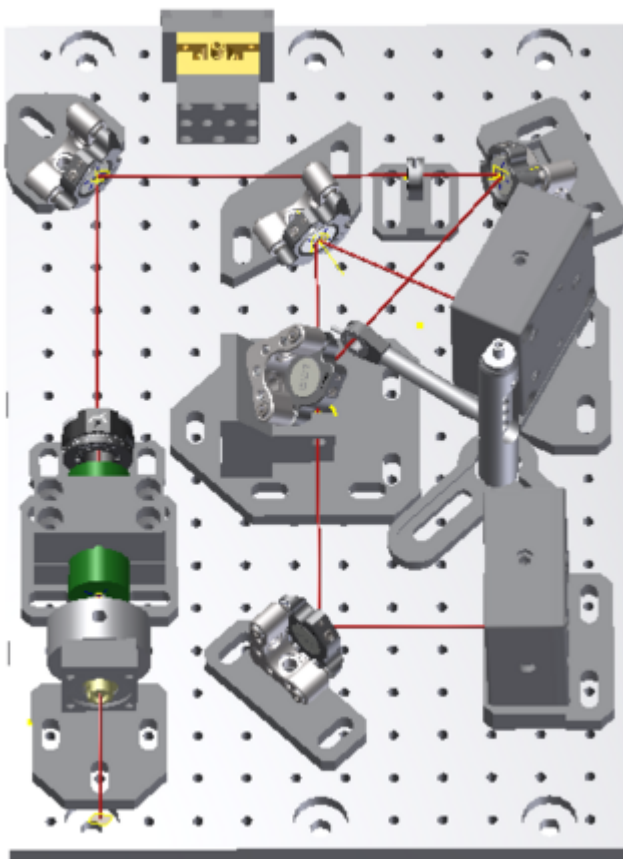
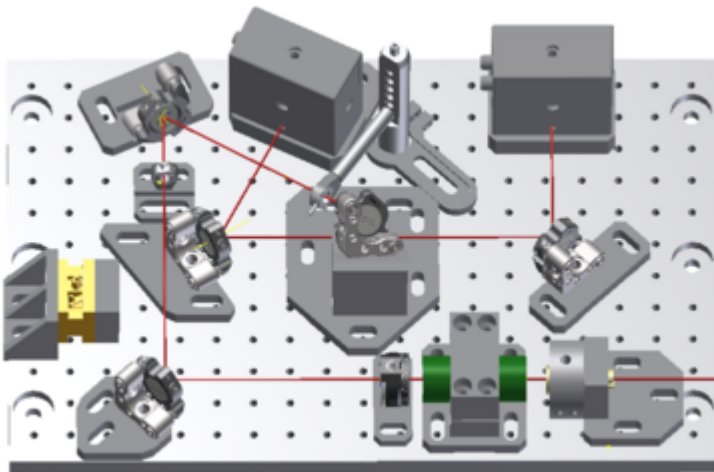
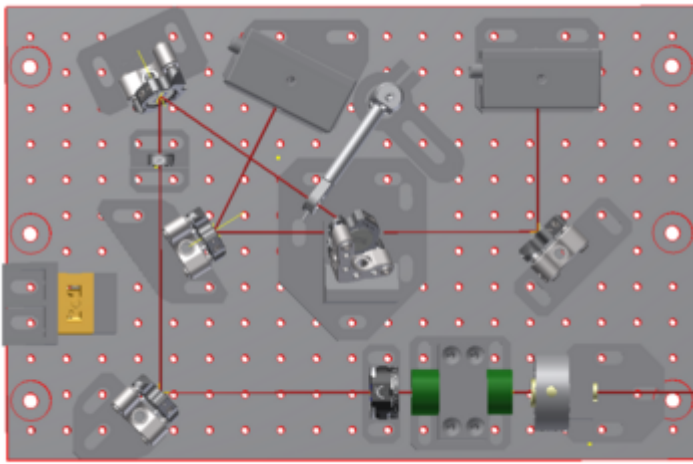
Version 2

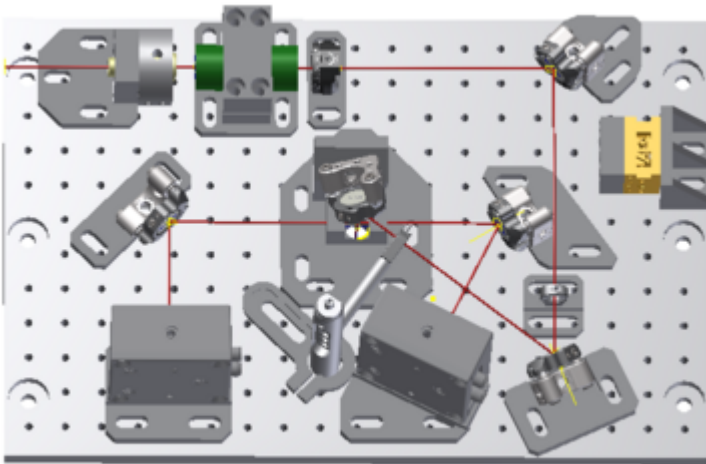
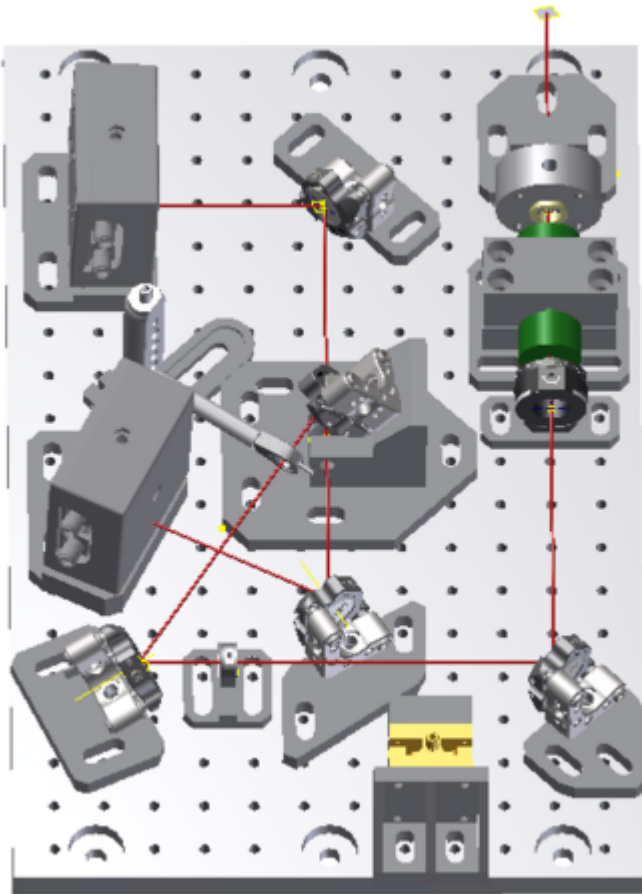




Version 1

- optical components were missing (cubes for adjusting the light)
- PDH and RAM-diode shouldn't be positioned after the same cube, so that they don't influence each other. So the RAM-diode was positioned directly before the isolator





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