

UVA-NMR System at NM4

UVA-NMR system start-up
Installation Guide

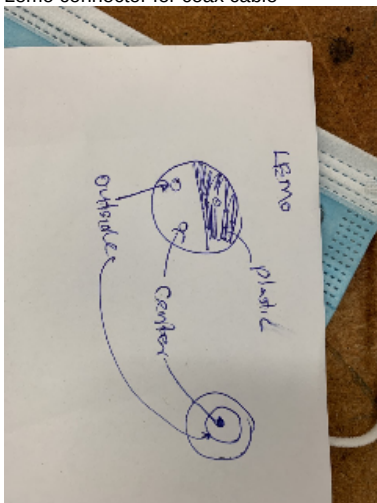
UVA-NMR initial setting-up Information

NMR2 Parts List

Parts (for ordering purposes)

Purchasing Information (click)

1. Male connector for lambda/2 cables: https://www.mouser.com/ProductDetail/HUBER%2bSUHNER/11_SMA-50-2-15-111_NE?qs=Cv1v43EOJpqu%252BVcuuRq6eQ%3D%3D
2. Female connector for lambda/2 cables: https://www.mouser.com/ProductDetail/HUBER%2bSUHNER/21_SMA-50-2-15-111_NE?qs=Cv1v43EOJpKwN3%252BJX2jWQ%3D%3D
3. NMR Lambda/2 cable from Teledyne (Quotes: QUO-19793-C4Q2L7.pdf , QUO-16717-K2B3R0.pdf)
4. Small cables: <https://www.pasternack.com/semirigid-0.034-50-ohm-coax-cable-copper-pe-034sr-p.aspx>
5. Small cable connectors:
(new: recommended by pasternack via chat): <https://www.pasternack.com/sma-female-standard-pe-034sr-connector-pe4921-p.aspx>
https://www.pasternack.com/nsearch.aspx?keywords=connector%20for%20PE-034SR&view_type=grid
(female): <https://www.pasternack.com/ssma-female-standard-pe-034sr-connector-pe44424-p.aspx>
6. Sensor cables: <https://www.lakeshore.com/products/categories/overview/temperature-products/cryogenic-accessories/cryogenic-wire>
<https://shop.lakeshore.com/temperature-products/cryogenic-accessories/wire/quad-twist/quad-twist-wire-32-awg-7-6-m-25-ft.html>
7. Deuteron crystals: <https://www.mouser.com/ProductDetail/Fox-Abracon/FC4SDDDMC32.768-T1?qs=MLItCLRbWsxChR7SXlyMGQ%3D%3D>
8. Q-meter receiver connector-base: <https://www.mouser.com/ProductDetail/Linx-Technologies/CONSMA016-15-G?qs=OIC7AqGiEDk89VgzzF%252BR4g%3D%3D>
9. NIQuote_2488736-1.pdf
10. Quotation_PXIe.pdf
11. PCI Express card : <https://www.ni.com/en-us/support/model.pcie-8375.html>
12. LEMO connectors: <https://www.mouser.com/ProductDetail/LEMO/FFA.0S.303.CLAC32?qs=MSOc8y6NhWdZEiiE254RuQ%3D%3D>
13. Lemo connector for coax cable



DIO box information: [DIO Box Documentation](#)



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Pictures

1. [Q-meter, Yale-card and power supply pictures](#)
2. [DIO-box pictures](#)
3. [Pictures from August 2022 Background Measurements](#)