Thursday, 19. December 2019

11:03

Sensor 26 
3um 
Tetrahedral CoFe nanostructures 
D 
B 
x 
A and B: old square ASI 

**Measurements while sweeping field**

Donnerstag, 13. Juni 2019

14:06

# Sweeping from ± 2 T

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | To | Structures | Sweeping Rate [mT/min] | Measurement |
| + |  | Crosses | 48 | [m302](onenote:#m302_m302.1%20MFN_down%20sweeping%20%202T%20to%20-2T&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={661773AF-F247-4763-AF8F-80C64C681846}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |
|  | + | Crosses | 48 | [m303](onenote:#m303_m303.1%20MFN_up%20sweeping%20%20-2T%20to%202T&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={EB705DBD-2C72-4184-9BE4-A7C270A1AE43}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |
| + |  | Plusses | 48 | [m304](onenote:#m304_m304.1%20MFN_down%20sweeping%20%20-2T%20to%202T&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={9C733169-D5CF-4B48-921A-B533F8EE3C7D}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |
| + |  | Empty #1 | 48 | [m305](onenote:#m305_m305.1%20MFN_down%20sweeping%202T%20to%20-2T&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={A641346D-5ABA-4B34-99CE-80D7DDD0B11C}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |
| + |  | Plusses | 7.86 | [m306](onenote:#m306_m306.1%20MFN_down%20sweeping%20%20-2T%20to%202T&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={89B28326-DCC6-4031-ACA5-93F235A08EAE}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |

# Sweeping down and up again

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Limit [± mT] | Structures | Sweeping Rate [mT/min] | Measurement | . |
| ± 250 | Plusses | 11.86 | [m307](onenote:#m307_m308.1%20MFN_down%20and%20up%20sweeping%200.25T&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={32FC4D94-FE71-4BD4-B863-349BD9FDE1D2}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  |
| ± 500 | Plusses | 23.7 | [m308](onenote:#m308_m308.1%20MFN_down%20and%20up%20sweeping%200.5T&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={15D6D76C-DD01-4EAC-9A30-321373CE0D3A}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  |
| ± 100 | Plusses | 4.7 | [m309](onenote:#m309_m309.1%20MFN_down%20and%20up%20sweeping%200.1T&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={E1DA1348-EC34-4A9B-AB57-21BF33F58678}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  |

**Measurement Plan #2**

Donnerstag, 13. Juni 2019

16:41

Static Field (compare with [measurements at 90deg (static field)](onenote:#measurements%20at%2090deg%20(static%20field)&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={319207B4-D488-4405-82E8-C67B1992E815}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one))

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Nr | Struct | Field | PM? | F-Span | Avg | Time |
| [m310](onenote:#m310%20MFN_1_0T_PM&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={095095A7-1F24-485F-93B8-FDFB7ECFB753}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | #1 Empty | 0 | PM | 6 / 3 | 30 | 90 min |
| [m311](onenote:#m311%20MFN_-0.572500T_down%20sweep_%20Empty_over%20night&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={B365CF1D-484A-410C-8892-037075463356}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  | -572.5 mT | PM | 12 / 6 / 3 / 1 / 0.78 | 30 | 500 min |
| [m312](onenote:#m312%20MFN_250mT_up%20sweep_Empty&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={414B1D4F-2371-46B8-804B-A9915637E48C}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  | 250 mT | PM | *3.125, 1.5625Hz* | 30 |  |
| [m313](onenote:#m313%20MFN_500mT_up%20sweep_Empty&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={9D4CD50A-5CA9-429E-8D11-D84AB4F9D6CA}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  | 500 mT | PM | *3.125, 1.5625Hz* | 30 |  |
| [m314](onenote:#m314%20MFN_1.5T_up%20sweep_Empty&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={934479EB-32BA-4849-B2FB-2539246FED44}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  | 1.5 T | PM | *3.125, 1.5625Hz* | 30 |  |
| [m319:](onenote:#m319%20MFN_2T_Empty%20&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={DA906FED-A6E4-41F1-A610-E456F09AF024}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  | 2 T | PM | *1.56 / 0.78 Hz* | 30 |  |
| [m315](onenote:#m315%20MFN_250mT_up%20sweep_Crosses&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={34FAA85F-F6E1-4707-9D63-67B5127E9D34}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Crosses | 250 mT | PM | *1.56 / 0.78 Hz* | 30 |  |
| [m316](onenote:#M316%20MFN_500mT_Crosses&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={CF372427-82BC-48C7-9592-EC31EB532D3B}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  | 500 mT | PM | *1.56 / 0.78 Hz* | 30 |  |
| [m317:](onenote:#m317%20MFN_1.5T_Crosses&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={C2016F98-40C1-4E8B-A319-46B6320553E6}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  | 1.5 T | PM | *1.56 / 0.78 Hz* | 30 |  |
| [m318:](onenote:#m318%20MFN_2T_Crosses&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={179FB950-EB2F-42C8-8B3B-B2B38D3D1A86}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  | 2 T | PM | *1.56 / 0.78 Hz* | 30 |  |

Sweeping Field (compare with [Measurements while sweeping field](onenote:#Measurements%20while%20sweeping%20field&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={03B9AE70-0C9E-4DF3-8E0A-B28A5EA8879D}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) )

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Nr | Struct | Field From | Field To | SR [mT/min] | F-Span | Avg | Time [min] |
| [m320](onenote:#m320%20MFN_sweep_2T-1T_Empty&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={431B31EF-F373-4BD3-8984-B58D984A43E2}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | #1 Empty | 2T | 1 T | 9.434 | 1.5625 | 25 | 107 |
| [m321](onenote:#m321%20MFN_sweep_2T-1T_Empty&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={D5C6A9D2-DD0F-4AAA-89E7-4C530619DAF7}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  |  |  | 4,7 | 0.78 |  | 214 |
| [m322](onenote:#m322%20MFN_sweep_500mT_Empty&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={AB71DA5D-16DC-48A7-A910-03C171CDA367}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  | 500 mT | -500 mT | 9.4 | 1.56 |  | 107 |
|  |  |  |  | 4.7 | 0.78 |  | 214 |
| [m323](onenote:#m323%20MFN_sweep_1T_Empty&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={85421CEF-782C-463C-BF01-4AB2ACAAB2FD}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  | 1 T | -1 T | 9.4 | 0.78 |  | 214 |
| [m324](onenote:#m324%20MFN_sweep_1T_Empty_long&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={668CE667-FFA9-40E1-A502-4B3DB9776BB4}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  |  |  | 4.7 | 0.39 |  | 407 |
| [m325](onenote:#m325%20MFN_sweep_2T%20to%201T_Crosses&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={C799963E-FEFB-4C02-882C-22440DCBD0F1}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Crosses | 2 T | 1 T | 9.4 | 1.56 |  | 107 |
| [m326:](onenote:#m326%20MFN_sweep_2T%20to%201T_4.7mT.min_Crosses_0.78%20Hz&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={FDB6250B-488A-406A-B585-F28871412D03}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  |  |  | 4.7 | 0.78 |  | 214 |
| [m327:](onenote:#m327%20MFN_sweep_0.5T%20to%20-0.5T_9.4mT.min_Crosses_1.56%20Hz&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={38409C27-EF24-4E1F-82E7-F7F257F77988}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  | 500 mT | -500 mT | 9.4 | 1.56 |  | 107 |
| [m328:](onenote:#m328%20MFN_sweep_0.5T%20to%20-0.5T_4.7mT.min_Crosses_0.78125%20Hz&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={704608EA-B37C-4082-A674-A02144907535}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  |  |  | 4.7 | 0.78 |  | 214 |
| [m329:](onenote:#m329%20MFN_sweep_1T%20to%20-1T_9.4mT.min_Crosses_0.78%20Hz&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={1BF227F9-DD77-411A-89F3-D5BE75BDC375}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  | 1 T | -1 T | 9.4 | 0.78 |  | 214 |
| [m330:](onenote:#m330%20MFN_sweep_1T%20to%20-1T_4.9mT.min_Crosses_0.39%20Hz&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={2EBD7CAA-E741-4117-9DD9-5A6471172E96}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  |  |  | 4.7 | 0.39 |  | 407 |
| [m331:](onenote:#m331%20MFN_sweep_0.5T%20to%20-0.5T_9.4mT.min_Crosses_1.5Hz&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={C1207692-2116-49B8-A662-61B2B830389F}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  | 500 mT | -500 mT | 9.4 | 1.56 | 25 | 107 |
| [m332:](onenote:#m332%20MFN_sweep_0.3T%20to%20-0.3T_2.8mT.min_Crosses_0.78Hz&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={CBE52222-7C7C-4E14-BA8E-77669E7BEF0E}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  | 300 | -300 | 2.8 | 0.78 | 25 | 214 |
| [m333:](onenote:#m333%20MFN_sweep_0.75T%20to%20-0.75T_2.8mT.min_Crosses_0.78Hz&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={BDEF478E-1C2F-44C8-A0E8-934E6774B562}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  | 750 | -750 | 7 | 0.78 | 25 | 214 |
| [m334:](onenote:#m334%20MFN_sweep_0.1T%20to%20-0.1T_0.093mT.min_Crosses_0.78Hz&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={55FAE8CC-0FCC-49EB-8B89-DFA96C9571B5}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  | 0.1 | 0.1 | 0.093 | 0.78 | 25 | 214 |
| [m335:](onenote:#m335%20MFN_sweep_0.5T%20to%20-0.5T_9.4mT.min_Empty_1.5Hz_repeated%20to%20compare&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={9B288ADD-F6A0-43BB-82B5-2AB17141AA50}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | #1 Empty | 500 mT | -500 mT | 9.4 | 1.56 | 25 | 107 |
| [m336:](onenote:#m336%20MFN_sweep_0.5T%20to%20-0.5T_9.4mT.min_Plusses_1.5Hz_&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={D8CAFE0F-A941-4CD8-8ECF-85A69072AB20}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | 500 mT | -500 mT | 9.4 | 1.56 | 25 | 107 |
| [m337:](onenote:#m337%20MFN_sweep_0.05T%20to%20-0.05T_0.934mT.min_Plusses_1.5Hz_&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={0CC3C076-26F7-41AE-81DA-08D02639C6CC}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  | 50 mT | -50 mT | 0.934 | 1.56 | 25 | 107 |
| [m338:](onenote:#m338%20MFN_sweep_0.025T%20to%20-0.025T_0.934mT.min_Plusses_1.5Hz_&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={16756AA0-797F-46A5-8256-76748349590D}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  | 25 mT | -25mT | 0.46 | 1.56 | 25 | 107 |
| [m339:](onenote:#m339%20MFN_sweep_0T%20to%20-0.5T_4.6mT.min_Plusses_1.5Hz_&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={A8B27469-2B16-4AAB-BA21-2E9D5F7B1409}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  | 0 | 0.5 | 4.6 | 1.56 | 25 | 107 |
|  | #1 Empty | 25 mT | -25mT | 0.46 | 1.56 | 25 | 107 |
|  | Plusses | 5mT | -5mT | 9.3e-5 |  |  |  |

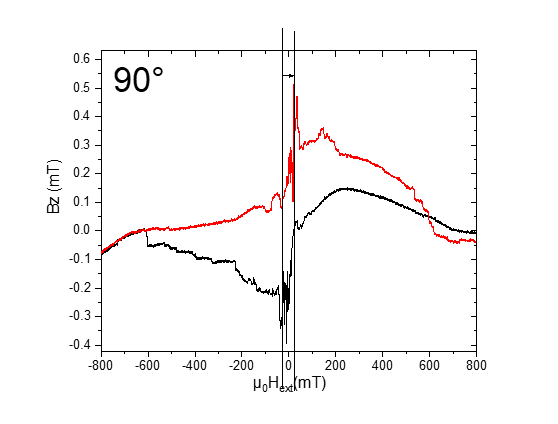
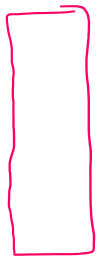
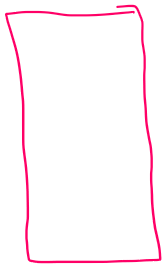
**Measurement Plan #3\_magnetic field effect**

02 June 2019

17:30

Field Sweeps (ΔB = T)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Nr | Struct | Field From | Field To | Hloop\_branch | SR [mT/min] | F-Span | Vin(V)/sens (mV)/gain | Avg | Time [min, Hr] | Date |
| [m342:](onenote:#m342%20MFN_Plusses_sweep%20after%20+%20saturation%20at%201T_0.005T%20to%20-0.005T_mT.min_1.5,%200.78Hz_5V&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={0664508E-5C60-4D50-9F2A-99136D158CE7}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | 25 mT | -25 mT | +Saturated | 0.11 | 1.5/0.7 | 5/5/20 | 35 | 448\_7.4 | 02.07.2019 |
| [m343:](onenote:#m343%20MFN_Plusses_sweep%20after%20-%20saturation%20at%201T_0.005T%20to%20-0.005T_mT.min_1.5,%200.78Hz_5V&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={9D1A8DBE-486A-444C-9890-8A4FB60E50D2}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | -25 mT | 25 mT | -Saturated | 0.11 | 1.5/0.7 | 5/5/20 | 35 | 448\_7.4 | 03.07.2019 |
| [m344:](onenote:#m344%20MFN_Plusses_sweep%20after_saturation%20at%20+1T_-0.443T%20to%20-0.611T_2.352mT.min_1.5,%200.78Hz_5V&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={C53AAB46-C98F-4039-8C24-F8153D391688}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | -443 mT | -611 mT | +Saturated | 2.352 | 1.5/0.7 | 5/5/20 | 35 | 448\_7.4 | 03.07.2019 |
| [m345:](onenote:#m345%20MFN_Plusses_sweep%20after_saturation%20at%20+1T_%20-0.2913%20T%20to%20-0.443%20T_1.638mT.min_1.5,%200.78Hz_5V&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={0BD41550-00B9-4E21-A600-12F3044B3C99}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | **-291 mT** | -443 mT | +Saturated | 0.5 | 1.5/0.7 | 5/5/20 | 24 | 303\_5 | 03.07.2019 |
| [m346:](onenote:#m346%20MFN_Plusses_sweep%20after_saturation%20at%20+1T_%20-0.06798%20T%20to%20-0.2913%20T_1.638mT.min_1.5,%200.78Hz_5V&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={5FCA0077-B82E-4798-A046-B161DE856008}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | 36.56mT | **-291.13 mT** | +Saturated | 0.5 | 1.5/0.7 | 5/5/20 | 51 | 655\_10.9 | 04.07.2019 |
| [m347:](onenote:#m347%20MFN_Plusses_sweep%20after_saturation%20at%20-1T_%20-0.03656%20T%20to%200.2913%20T_0.5mT.min_1.5%20Hz_5V_averages%20153&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={16C4D18A-3947-458C-ADD2-F4CBD3355863}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | -36.56mT | **-291.13 mT** | -Saturated | 0.5 | 1.5 | 5/5/20 | 153 | 652\_10.9 | 04.07.2019\_Thursday night |
| [m348:](onenote:#m348%20MFN_Empty_sweep%20after_saturation%20at%20-1T_%20-0.03656%20T%20to%200.2913%20T_0.5mT.min_1.5%20Hz_5V_averages%20153&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={A8F12604-CEF9-4037-97CE-1E62BF0761C2}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Empty | 36.56mT | **-291.13 mT** | -Saturated | 0.5 | 1.5 | 5/5/20 | 153 | 652\_10.9 | 05.07.2019\_Friday |
| [m349:](onenote:#m349%20MFN_Empty_sweep%20after_saturation%20at%20-1T_%20-0.025T%20to%200.025%20T_0.5mT.min_1.5%20Hz_5V_averages%2024&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={A1A7C247-1384-40EE-842C-EAC6A278714F}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Empty | -25 mT | +25 mT | -Saturated | 0.5 | 1.5 | 5/5/20 | 24 | 100 | 06.07.2019\_midnight\_Saturday |
| [m350:](onenote:#m350%20MFN_Plusses_sweep%20after_saturation%20at%20-1T_%20-0.025T%20to%200.025%20T_0.5mT.min_1.5%20Hz_5V_averages%2024&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={1EA829B7-965C-4961-9B23-F96DDD8F9E7F}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | -25 mT | +25 mT | -Saturated | 0.5 | 1.5 | 5/5/20 | 24 | 100 | 06.07.2019\_Saturday\_afternoon |
| [m351:](onenote:#m351%20MFN_Plusses_sweep%20after_saturation%20at%20-1T_%20-0.025T%20to%200.025%20T_1mT.min_1.5%20Hz_5V_averages%2012&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={046961AE-ADE6-41BF-B254-AA185E078B79}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | -25 mT | 25 mT | -Saturated | 1 | 1.5 | 5/5/20 | 12 | 50 | 06.07.2019\_Saturday\_evening |
| [m352:](onenote:#m352%20MFN_Plusses_sweep%20after_saturation%20at%20-1T_%20-0.025T%20to%200.025%20T_0.1mT.min_1.5%20Hz_5V_averages%20117&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={87401F82-7B5F-4BD6-9B30-CDD5C3F109BF}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | -25 mT | 25 mT | -Saturated | 0.1 | 1.5 | 5/5/20 | 117 | 500 | 06.07.2019\_Saturday\_night |
| [m353:](onenote:#m353%20MFN_Plusses_sweep%20after_saturation%20at%20-1T_%20-0.025T%20to%200.025%20T_0.25mT.min_1.5%20Hz_5V_averages%2047&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={FE9092E1-169E-4347-9969-D12D8CB66BD4}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | -25 mT | 25 mT | -Saturated | 0.25 | 1.5 | 5/5/20 | 47 | 200 | 07.07.2019\_Sunday\_morning |
| [m354:](onenote:#m354%20MFN_Plusses_sweep%20after_saturation%20at%20-1T_%20-0.025T%20to%200.025%20T_2mT.min_1.5%20Hz_5V_averages%206&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={962BDDFC-8A50-4AB8-A318-6997909CE9D1}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | -25 mT | 25 mT | -Saturated | 2 | 1.5 | 5/5/20 | 6 | 25 | 07.07.2019\_Sunday\_lunch time |





Sensor 26 
3um 
Tetrahedral CoFe nanostructures 
D 
B 
x 
A and B: old square ASI 

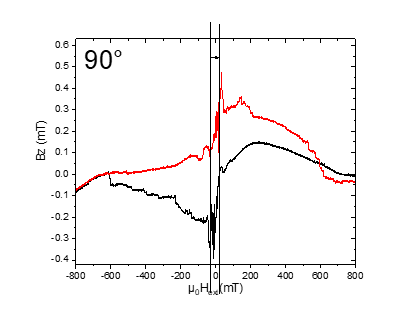
**Measurement Plan #4\_Temp effect**

07 July 2019

12:37

Field Sweeps and Tamperature effect (ΔB = T)

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Nr | Struct | Field From | Field To | Hloop\_branch | T (K) | SR [mT/min] | F-Span | Vin(V)/sens (mV)/gain | Avg | Time [min, Hr] | Date |
| [m355](onenote:#m355%20MFN_Plusses_sweep%20after_saturation%20at%20-1T_%20-0.025T%20to%200.025%20T_0.5mT.min_1.5%20Hz_5V_averages%2024_T=25K&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={0BD37287-724C-40D7-B71A-65A41899F1A8}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one): | Plusses | -25 mT | 25 mT | -Saturated | 25 | 0.5 | 1.5 | 5/5/20 | 24 | 100 | 07.07.2019\_Sunday\_ |
| [m356:](onenote:#m356%20MFN_Plusses_sweep%20after_saturation%20at%20-1T_%20-0.025T%20to%200.025%20T_0.5mT.min_1.5%20Hz_5V_averages%2024_T=20K&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={F66849CE-F3F6-4A85-AD3D-E5DB646F6115}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | -25 mT | 25 mT | -Saturated | 20 | 0.5 | 1.5 | 5/5/20 | 24 | 100 | 07.07.2019\_Sunday\_ |
| [m357:](onenote:#m357%20MFN_Plusses_sweep%20after_saturation%20at%20-1T_%20-0.025T%20to%200.025%20T_0.5mT.min_1.5%20Hz_5V_averages%2024_T=15K&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={96C85B6D-787A-45EA-85A6-26D6982E2511}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | -25 mT | 25 mT | -Saturated | 15 | 0.5 | 1.5 | 5/5/20 | 24 | 100 | 07.07.2019\_Sunday\_midnight |
| [m358:](onenote:#m358%20MFN_Plusses_sweep%20after_saturation%20at%20-1T_%20-0.025T%20to%200.025%20T_0.5mT.min_1.5%20Hz_5V_averages%2024_T=15K&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={7C829A4C-512E-4F2C-8F33-F5DBB0CEF4C1}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | -25 mT | 25 mT | -Saturated | 10 | 0.5 | 1.5 | 5/5/20 | 24 | 100 | 08.07.2019\_Monday\_early morning |
| [m359:](onenote:#m359%20MFN_Plusses_sweep%20after_saturation%20at%20-1T_%20-0.025T%20to%200.025%20T_0.5mT.min_1.5%20Hz_5V_averages%2024_T=5K&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={3E121EEF-21D7-4425-A0FC-FBBD08CFEF72}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | -25 mT | 25 mT | -Saturated | 5 | 0.5 | 1.5 | 5/5/20 | 24 | 100 | 08.07.2019\_Monday\_early morning |



**Measurement Plan #5\_Static field effect**



08 July 2019

12:37



Static field effect

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Nr | Struct | Field static at | Hloop\_branch | T (K) | F-Span | Vin(V)/sens (mV)/gain | Avg | Time [min, Hr] | Date |
| [m360:](onenote:#m360%20MFN_Plusses_sweep%20after_saturation%20at%20-1T_static%20at%200.025%20T_0.5mT.min_1.5%20Hz_5V_averages%2024_T=5K&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={F2ADB3B1-7681-4A2A-8E8D-CC443B04987B}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | 25 mT | -Saturated | 5 | 1.5 | 5/5/20 | 24 | 100 | 08.07.2019\_Monday\_ |
| [m361:](onenote:#m361%20MFN_Plusses_sweep%20after_saturation%20at%20+1T_static%20at%20-0.025%20T_0.5mT.min_1.5%20Hz_5V_averages%2024_T=5K&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={603A009E-7A04-4FFF-A631-14BAA91EB45F}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | -25 mT | +Saturated | 5 | 1.5 | 5/5/20 | 24 | 100 | 08.07.2019\_Monday\_ |
|  |  |  |  |  |  |  |  |  |  |



Static Field after Saturation 
Plusses 
ie\d 
Strayf 
UP ( -Ms 
Down 
_ 0.2 
-30 
26 
m36V -26 
xlf 
30 
20 
-20 Machine generated alternative text:
900 
01 
-40 

**Measurement Plan #6\_dynamic field interval effect**



08 July 2019

12:37



Dynamic field interval effect

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Nr | Struct | Field From | Field To | Hloop\_branch | SR [mT/min] | F-Span | Vin(V)/sens (mV)/gain | Avg | Time [min, Hr] | Date |
| [m362:](onenote:#m362%20MFN_Plusses_sweep%20after_saturation%20at%20-1T_%20-0.05T%20to%200.05%20T_2mT.min_1.5%20Hz_5V_averages%2012_T=5K&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={8B485E50-50D6-4E44-9DEC-F6329CE40B69}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | -50mT | 50mT | -Saturated | 2 | 1.5 | 5/5/20 | 12 | 50 | 08.07.2019\_Monday\_ |
| [m363:](onenote:#m363%20MFN_Plusses_sweep%20after_saturation%20at%20-1T_%20-0.075T%20to%200.075%20T_2mT.min_1.5%20Hz_5V_averages%2018_T=5K&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={783C9E1C-FBF3-42CF-B766-D39BC033182C}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | -75 mT | 75mT | -Saturated | 2 | 1.5 | 5/5/20 | 18 | 75 | 08.07.2019\_Monday\_ |
| [m364:](onenote:#m364%20MFN_Plusses_sweep%20after_saturation%20at%20-1T_%20-0.01T%20to%200.01%20T_2mT.min_1.5%20Hz_5V_averages%2024_T=5K&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={1AF50FBB-AD26-4941-B347-432783927251}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | -100 mT | 100mT | -Saturated | 2 | 1.5 | 5/5/20 | 35 | 100 | 08.07.2019\_Monday\_ |
| [m366:](onenote:#m366%20MFN_Plusses_sweep%20after_saturation%20at%20-1T_%20-0.125T%20to%200.125%20T_2mT.min_1.5%20Hz_5V_averages%2029_T=5K&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={A262E013-0290-43C2-A689-DB1196B5CA4F}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | -125mT | 125mT | -Saturated | 2 | 1.5 | 5/5/20 | 35 | 75 | 09.07.2019\_Tuesday after midnight\_ |
| [m365:](onenote:#m365%20MFN_Plusses_sweep%20after_saturation%20at%20-1T_%20-0.15T%20to%200.15T_2mT.min_1.5%20Hz_5V_averages%2035_T=5K&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={4D6B25D1-7B89-4CFF-9CD8-C86D64AA46B0}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | -150 mT | 150mT | -Saturated | 2 | 1.5 | 5/5/20 | 35 | 150 | 09.07.2019\_Early morning\_ |



Machine generated alternative text:
900 
01 
-40 

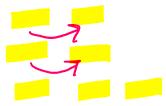
**Measurement Plan #8\_winde-ranging field with slow sweeping\_comparison magnetic crosses and empty**

08 July 2019

12:37

winde-ranging field with slow sweeping from positive saturation

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Nr | Struct | Field From | Field To | SR [mT/min] | F-Span | Vin(V)/sens (mV)/gain | Avg | Time [min, Hr] | Date |
| [m372:](onenote:#m372%20MFN_Plusses_sweep%20after_saturation%20at%20+1T_%20+1T%20to%20-1%20T_5mT.min_1.5%20Hz_5V_averages%2094_T=5K_over%20night&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={91317C38-6FED-49CC-9C1B-EEDC985316EB}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Plusses | +1T | -1T | 5 | 1.5 | 5/5/20 | 94 | 400min | 09.07.2019\_Tuesday\_ |
| [m373:](onenote:#m373%20MFN_Crosses_sweep%20after_saturation%20at%20+1T_%20+1T%20to%20-1%20T_5mT.min_1.5%20Hz_5V_averages%2094_T=5K_sens%202mV&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={F41B0352-E6FC-4BDF-A6ED-6807B9F63B65}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Crosses | +1T | -1T | 5 | 1.5 | 5/2/20 | 94 | 400min | 10.07.2019\_Wednesday\_ |
| [m374:](onenote:#m374%20MFN_Empty_sweep%20after_saturation%20at%20+1T_%20+1T%20to%20-1%20T_5mT.min_1.5%20Hz_5V_averages%2094_T=5K_sens%202mV&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={139029EC-DF8B-4905-9701-5A494592797E}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | Empty | +1T | -1T | 5 | 1.5 | 5/5/20 | 94 | 400min | 10.07.2019\_Wednesday\_ |

11/07/2019 
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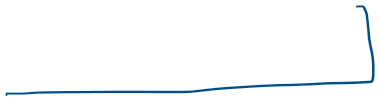
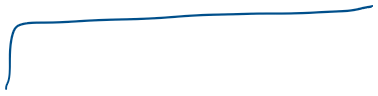
**Measurement Plan #11\_different applied current\_\_for plusses**

Samstag, 13. Juli 2019

21:36

Different applying current \_from positive saturation

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Nr | Struct | Field From | Field To | Saturation at | SR [mT/min] | F-Span | Vin(V)/sens (mV)/gain | Avg | Time [min, Hr] | Date |
|  | Plusses | -100mT | 100mT | -1T | 5 | 1.5 | 1/5/20 | 10 | 40 | 13.07.2019\_Saturday\_ |
|  | Plusses | -100mT | 100mT | -1T | 5 | 1.5 | 1/5/20 | 10 | 40 | 13.07.2019\_Saturday\_ |

dff 
ent current effect 
Plusses 
-01 T too IT at 5mT/min 
001 
T, IE-4 
001 
f (Hz) 

**Measurement Plan #12\_plusses\_different regimes (DB = 50mT)**

Donnerstag, 18. Juli 2019

16:10

**different regimes (DB = 50mT)**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Nr |  | Struct | Field From | Field To | Saturation at | SR [mT/min] | F-Span | Vin(V)/sens (mV)/gain | Avg | Time [min, Hr] | Date |
| [m383:](onenote:#m383%20MFN_sweep(sat)_25mT%20to%20-25mT_Plusses&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={B8D2D915-FF82-46DA-BEBC-FD952BFB6B0B}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 1 | Plusses | 25mT | -25mT | +1T | .5 | 1.5 | 5/5/20 | 24 | 100 | 18.07.2019\_Thursday\_ |
| [m384:](onenote:#m384%20MFN_sweep(sat)_-25mT-%20to%20-75mT_Plusses%20without%20saturation&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={2889CF00-04CE-4407-9277-F5197E8CC2CC}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) |  | Plusses | -25mT | -75mT | no pre-saturation | .5 | 1.5 | 5/5/20 | 24 | 100 | 19.07.2019\_Friday\_ |
| [m385:](onenote:#m385%20MFN_sweep(sat)_-25mT-%20to%20-75mT_Plusses%20with%20+1Tsaturation&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={C524477E-5C24-44D2-8FF6-7B6FF79C6618}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 2 | Plusses | -25mT | -75mT | +1T | .5 | 1.5 | 5/5/20 | 24 | 100 | 19.07.2019\_Friday\_ |
| [m386:](onenote:#m386%20MFN_sweep(sat)_-75mT-%20to%20-125mT_Plusses%20with%20+1Tsaturation&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={27C797A5-3480-4491-A81D-4D46C047FA56}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 3 | Plusses | -75mT | -125mT | +1T | .5 | 1.5 | 5/5/20 | 24 | 100 | 19.07.2019\_Friday\_ |
| [m387](onenote:#m387%20MFN_sweep(sat)_-125mT-%20to%20-175mT&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={4DFD8061-D18B-4729-A7F7-A8B455257A6E}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 4 |  | -125 | -175 |  |  |  |  |  |  |  |
| [m388](onenote:#m388%20MFN_sweep(sat)_-175mT-%20to%20-225mT&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={C164A19E-41C9-4464-A49A-74AB9D61A2C3}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 5 |  | -175 | -225 |  |  |  |  |  |  |  |
| [m389](onenote:#m389%20MFN_sweep(sat)_-225mT-%20to%20-275mT&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={D3153175-CA44-41CE-8A7D-3CC30CB26F87}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 6 |  | -225 | -275 |  |  |  |  |  |  |  |
| [m390](onenote:#m390%20MFN_sweep(sat)_-275mT-%20to%20-325mT&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={10482932-55CA-4215-8230-D30308382C24}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 7 |  | -275 | -325 |  |  |  |  |  |  |  |
| [m391](onenote:#m391%20MFN_sweep(sat)_-300mT-%20to%20-350mT&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={BA17CCDB-BA58-4983-B070-87B2FC172ADB}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 8 |  | -300 | -350 |  |  |  |  |  |  |  |
| [m392](onenote:#m392%20MFN_sweep(sat)_-350mT-%20to%20-400mT&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={AA18A14D-1165-4E24-AC91-F643C39E90EC}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 9 |  | -350 | -400 |  |  |  |  |  |  |  |
| [m393](onenote:#m393%20MFN_sweep(sat)_-400mT-%20to%20-450mT&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={DF5D7711-C4DF-4054-9ACB-21DF4C14B413}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 10 |  | -400 | -450 |  |  |  |  |  |  |  |
| [m394](onenote:#m394%20MFN_sweep(sat)_-450mT-%20to%20-500mT&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={9A64B0CD-5FC5-47CF-A858-954821BFE748}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 11 |  | -450 | -500 |  |  |  |  |  |  |  |
| [m395](onenote:#m395%20MFN_sweep(sat)_-500mT-%20to%20-550mT&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={2E37C791-D6F8-4751-A13B-2DE62AFFD97C}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 12 |  | -500 | -550 |  |  |  |  |  |  |  |
| [m396](onenote:#m396%20MFN_sweep(sat)_50mT-%20to%200mT_Plusses%20with&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={B7135BB2-2AC5-47ED-A085-27D4C59F5F8E}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 13 |  | -575 | -625 |  |  |  |  |  |  | Filling He (Vx) |
| [m397:](onenote:#m397%20MFN_sweep(sat)_-625mT-%20to%20-575mT_Plusses%20with%20-1Tsaturation&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={5F48DCBC-39A3-4AF6-805F-45CC31F935C0}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 14 |  | -625 | -575 | -1T |  |  |  |  |  |  |
| [m398:](onenote:#m398%20MFN_sweep(sat)_-50mT-%20to%200mT_Plusses%20with%20-1Tsaturation&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={F393F24F-8D6B-4F2B-9953-DE7F7AE12444}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 15 |  | -50 | 0 |  |  |  |  |  |  |  |
| [m399:](onenote:#m399%20MFN_sweep(sat)_-575mT-%20to%20-625mT_Plusses%20with%20+1Tsaturation&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={2DE6D288-769B-41FB-8474-86D97AB01795}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 16 |  | -575 | -625 | +1T |  |  |  |  |  | Repeat |
| [m400:](onenote:#m400%20MFN_sweep(sat)_0mT-%20to%2050mT_Plusses%20with%20-1Tsaturation&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={2370519D-9349-49DF-9377-2E10E7B28A8D}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 17 |  | 0 | 50 | -1T |  |  |  |  |  |  |
| [m401:](onenote:#m401%20MFN_sweep(sat)_50mT-%20to%200mT_Plusses%20with%20+1Tsaturation&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={7661A5B1-B648-4A07-8575-EDCE10A12724}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 18 |  | 50 | 0 | +1T |  |  |  |  |  |  |
| [m402:](onenote:#m402%20MFN_sweep(sat)_0mT-%20to%20-50mT_Plusses%20with%20+1Tsaturation&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={660E811D-C6B0-457D-8DE9-5809A90B19D4}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 19 |  | 0 | -50 |  |  |  |  |  |  |  |
| [M403:](onenote:#M403%20MFN_sweep(sat)_0mT-%20to%2050mT_Plusses%20with%20-1Tsaturation&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={EBFB597F-BEE0-476F-9AE1-E042F5F3B151}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 20 |  | 25 | -25 |  |  |  |  |  |  |  |
| [M404:](onenote:#M404%20MFN_sweep(sat)_0mT-%20to%2050mT_Plusses%20with%20-1Tsaturation&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={AD452DCE-72DF-4C7F-9189-9AD6D0CDB1FC}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 21 |  | -25 | -75 |  |  |  |  |  |  |  |
| [M405:](onenote:#M405%20MFN_sweep(sat)_0mT-%20to%2050mT_Plusses%20with%20-1Tsaturation&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={629C0DF3-3923-45BC-9E5D-424016199036}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 22 |  | -25 | -75 | No saturation |  |  |  |  |  |  |
| [M406:](onenote:#M406%20MFN_sweep(sat)_0mT-%20to%2050mT_Plusses%20with%20-1Tsaturation&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={57BD47EB-210E-47B2-BF28-24AEF6F82B2B}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 23 |  | 619 | 569 |  |  |  |  |  |  |  |
| [M407:](onenote:#M407%20MFN_sweep(sat)_0mT-%20to%2050mT_Plusses%20with%20-1Tsaturation&section-id={5FAD0518-E349-4A07-93E8-5D105BD4AEB4}&page-id={A63C6532-E5EE-4B2C-A301-552240C08D16}&end&base-path=https://goetheuniversitaet.sharepoint.com/sites/Project4/SiteAssets/Project%204%20Notebook/Magnetic%20Flux%20Noise.one) | 24 |  | 0 | -50 |  |  |  |  |  |  |  |

Machine generated alternative text:

