**Introducing an exchange gas 0.5mbar**

Montag, 8. April 2019

09:41

I did introduce an exchange gas for 0.5mbar between some measurments

**C: Changing angle 45deg**

Montag, 8. April 2019

08:49

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| VH(max) (mV) | *11,164mV* |
| Angle of sensor calculator | **V\_H= Cos(45)\*11,164 = 7,894140105166617 mV**  **Before changing: -0.037mV**  **Measured: 7.895mV** |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *1* | |
|  |  |
| *Period of measurement* |  |
| *Notes* |  |
| *Data files* |  |
| *Plot* |  |

**m156:** Plusses\_Hloop\_25T\_dependent\_(45)deg

Montag, 8. April 2019

07:52

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

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *25K* |
| Angle of sensor θ | *45°* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.2* | |  | 10 | |
|  | R12 = 235/1000\*50 = 11,75 |
|  |  |
| *Period of measurement (min)* |  |
| *Notes* |  |
| *Data files* | <<m156\_Plusses\_45deg\_Hloop\_down\_T25K\_T\_dep\_\_Gradio\_20190408\_1000\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>>    <<m156\_Plusses\_45deg\_Hloop\_up\_T25K\_T\_dep\_\_Gradio\_20190408\_1000\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>> |
| *Plot* |  |

**m157:** Plusses\_Hloop\_20T\_dependent\_(45)deg

Montag, 8. April 2019

07:52

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

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *20K* |
| Angle of sensor θ | *45°* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.2* | |  | 10 | |
|  | R12 = 235/1000\*50 = 11,75 |
|  |  |
| *Period of measurement (min)* |  |
| *Notes* |  |
| *Data files* | <<m157\_Plusses\_45deg\_Hloop\_down\_T20K\_T\_dep\_\_Gradio\_20190408\_1000\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>>    <<m157\_Plusses\_45deg\_Hloop\_up\_T20K\_T\_dep\_\_Gradio\_20190408\_1000\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>> |
| *Plot* |  |
| *Routine file* |  |

**m158:** Plusses\_Hloop\_15T\_dependent\_(45)deg

Montag, 8. April 2019

07:52

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

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *15K* |
| Angle of sensor θ | *45°* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.2* | |  | 10 | |
|  | R12 = 235/1000\*50 = 11,75 |
|  |  |
| *Period of measurement (min)* |  |
| *Notes* |  |
| *Data files* | <<m158\_Plusses\_45deg\_Hloop\_down\_T15K\_T\_dep\_\_Gradio\_20190408\_1600\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>>    <<m158\_Plusses\_45deg\_Hloop\_up\_T15K\_T\_dep\_\_Gradio\_20190408\_1600\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>> |
| *Plot* |  |
| *Routine file* |  |

**Filling He(l)**

Montag, 8. April 2019

18:00

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| * 1. He(l) | 27in | 08.04.2019 | 1800 | Person |
| * 1. He(l) | 36 | 08.04.2019 | 1837 | MAM |

Notes:



'To do:

**m159:** Plusses\_Hloop\_10K\_dependent\_(45)deg

Montag, 8. April 2019

18:40

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

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *10K* |
| Angle of sensor θ | *45°* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.2* | |  | 10 | |
|  | R12 = 235/1000\*50 = 11,75 |
|  |  |
| *Period of measurement (min)* |  |
| *Notes* |  |
| *Data files* | <<m159\_Plusses\_45deg\_Hloop\_down\_T10K\_T\_dep\_\_Gradio\_20190408\_1900\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>>    <<m159\_Plusses\_45deg\_Hloop\_up\_T10K\_T\_dep\_\_Gradio\_20190408\_1900\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>> |
| *Plot* |  |
| *Routine file* |  |

Left empty

Freitag, 12. April 2019

08:13

**m160: Crosses\_Hloop\_10K\_dependent\_45deg**

07 April 2019

08:49

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *10* |
| Angle of sensor θ | *45* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.2* | |  | 10 | |
|  | R12 = 180/1000\*50 = 9 |
|  |  |
| *Period of measurement (min)* | *80* |
| *Notes* | *Over night routine* |
| *Data files* | <<m160\_Crosses\_45deg\_Hloop\_down\_T10K\_T\_dep\_\_Gradio\_20190408\_2000\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>>    <<m160\_Crosses\_45deg\_Hloop\_up\_T10K\_T\_dep\_\_Gradio\_20190408\_2000\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>> |
| *Plot* | Machine generated alternative text: 450  10K  poi--Vr(mT) |

**m161: Crosses\_Hloop\_15K\_dependent\_45deg**

07 April 2019

08:49

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *15* |
| Angle of sensor θ | *45* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.2* | |  | 10 | |
|  | R12 = 180/1000\*50 = 9 |
|  |  |
| *Period of measurement (min)* | *80* |
| *Notes* | *Over night routine* |
| *Data files* | <<m161\_Crosses\_45deg\_Hloop\_up\_T15K\_T\_dep\_\_Gradio\_20190408\_2000\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>>    <<m161\_Crosses\_45deg\_Hloop\_down\_T15K\_T\_dep\_\_Gradio\_20190408\_2000\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>> |
| *Plot* | Machine generated alternative text: 450  15K  poi--Vr(mT) |

**m162: Crosses\_Hloop\_20K\_dependent\_45deg**

07 April 2019

08:49

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *20* |
| Angle of sensor θ | *45* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.2* | |  | 10 | |
|  | R12 = 180/1000\*50 = 9 |
|  |  |
| *Period of measurement (min)* | *80* |
| *Notes* | *Over night routine* |
| *Data files* | <<m162\_Crosses\_45deg\_Hloop\_up\_T20K\_T\_dep\_\_Gradio\_20190408\_2000\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>>    <<m162\_Crosses\_45deg\_Hloop\_down\_T20K\_T\_dep\_\_Gradio\_20190408\_2000\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>> |
| *Plot* | Machine generated alternative text: 450  20K  poi--Vr(mT) |

**m163: Crosses\_Hloop\_25K\_dependent\_45deg**

07 April 2019

08:49

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *25* |
| Angle of sensor θ | *45* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.2* | |  | 10 | |
|  | R12 = 180/1000\*50 = 9 |
|  |  |
| *Period of measurement (min)* | *80* |
| *Notes* | *Over night routine* |
| *Data files* | <<m163\_Crosses\_45deg\_Hloop\_down\_T25K\_T\_dep\_\_Gradio\_20190408\_2000\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>>    <<m163\_Crosses\_45deg\_Hloop\_up\_T25K\_T\_dep\_\_Gradio\_20190408\_2000\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>> |
| *Plot* | Machine generated alternative text: 450  25K  poi--Vr(mT) |

**m164: Crosses\_Hloop\_30K\_dependent\_45deg**

07 April 2019

08:49

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *30* |
| Angle of sensor θ | *45* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.2* | |  | 10 | |
|  | R12 = 180/1000\*50 = 9 |
|  |  |
| *Period of measurement (min)* | *80* |
| *Notes* | *Over night routine* |
| *Data files* | <<m164\_Crosses\_45deg\_Hloop\_down\_T30K\_T\_dep\_\_Gradio\_20190408\_2000\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>>    <<m164\_Crosses\_45deg\_Hloop\_up\_T30K\_T\_dep\_\_Gradio\_20190408\_2000\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>> |
| *Plot* | Machine generated alternative text: 450  30K  poi--Vr(mT) |

**m165: Crosses\_Hloop\_35K\_dependent\_45deg**

07 April 2019

08:49

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *35* |
| Angle of sensor θ | *45* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.2* | |  | 10 | |
|  | R12 = 180/1000\*50 = 9 |
|  |  |
| *Period of measurement (min)* | *80* |
| *Notes* |  |
| *Data files* | <<m165\_Crosses\_45deg\_Hloop\_down\_T35K\_T\_dep\_\_Gradio\_20190409\_0700\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>>    <<m165\_Crosses\_45deg\_Hloop\_up\_T35K\_T\_dep\_\_Gradio\_20190409\_0700\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>> |
| *Plot* | 450  35K |

**m166: Crosses\_Hloop\_40K\_dependent\_45deg**

07 April 2019

08:49

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *40* |
| Angle of sensor θ | *45* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.2* | |  | 10 | |
|  | R12 = 180/1000\*50 = 9 |
|  |  |
| *Period of measurement (min)* | *80* |
| *Notes* |  |
| *Data files* | <<m166\_Crosses\_45deg\_Hloop\_up\_T40K\_T\_dep\_\_Gradio\_20190409\_0700\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>>    <<m166\_Crosses\_45deg\_Hloop\_down\_T40K\_T\_dep\_\_Gradio\_20190409\_0700\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>> |
| *Plot* | Machine generated alternative text: 450  40K  poi--Vr(mT) |

**m167: Crosses\_Hloop\_45K\_dependent\_45deg**

07 April 2019

08:49

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *45* |
| Angle of sensor θ | *45* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.2* | |  | 10 | |
|  | R12 = 180/1000\*50 = 9 |
|  |  |
| *Period of measurement (min)* | *80* |
| *Notes* |  |
| *Data files* | <<m167\_Crosses\_45deg\_Hloop\_down\_T45K\_T\_dep\_\_Gradio\_20190409\_0700\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>>    <<m167\_Crosses\_45deg\_Hloop\_up\_T45K\_T\_dep\_\_Gradio\_20190409\_0700\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>> |
| *Plot* | Machine generated alternative text: 450  45K |

**m168: Crosses\_Hloop\_50K\_dependent\_45deg**

07 April 2019

08:49

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *50* |
| Angle of sensor θ | *45* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.2* | |  | 10 | |
|  | R12 = 180/1000\*50 = 9 |
|  |  |
| *Period of measurement (min)* | *80* |
| *Notes* |  |
| *Data files* | <<m168\_Crosses\_45deg\_Hloop\_up\_T50K\_T\_dep\_\_Gradio\_20190409\_0700\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>>    <<m168\_Crosses\_45deg\_Hloop\_down\_T50K\_T\_dep\_\_Gradio\_20190409\_0700\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>> |
| *Plot* |  |

**m169: Crosses\_Hloop\_55K\_dependent\_45deg**

07 April 2019

08:49

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *55* |
| Angle of sensor θ | *45* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.2* | |  | 10 | |
|  | R12 = 180/1000\*50 = 9 |
|  |  |
| *Period of measurement (min)* | *80* |
| *Notes* |  |
| *Data files* | <<m169\_Crosses\_45deg\_Hloop\_down\_T55K\_T\_dep\_\_Gradio\_20190409\_0700\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>>    <<m169\_Crosses\_45deg\_Hloop\_up\_T55K\_T\_dep\_\_Gradio\_20190409\_0700\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>> |
| *Plot* |  |

**m170: Crosses\_Hloop\_60K\_dependent\_45deg**

07 April 2019

08:49

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *60* |
| Angle of sensor θ | *45* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.2* | |  | 10 | |
|  | R12 = 180/1000\*50 = 9 |
|  |  |
| *Period of measurement (min)* | *80* |
| *Notes* |  |
| *Data files* | <<m170\_Crosses\_45deg\_Hloop\_down\_T60K\_T\_dep\_\_Gradio\_20190409\_0700\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>>    <<m170\_Crosses\_45deg\_Hloop\_up\_T60K\_T\_dep\_\_Gradio\_20190409\_0700\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-9kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>> |
| *Plot* |  |

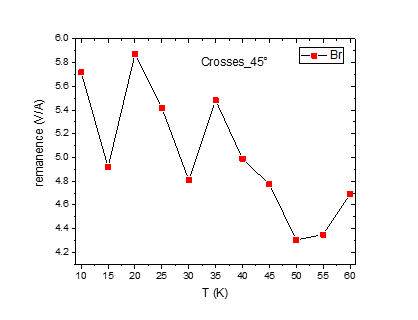
Machine generated alternative text:



All Hloops\_crosses

10 April 2019

17:32

WoHc(mT) 
C 「 osses 45 ' 
FW 工 M 40 
10 
Crosses 
Plusses 
15 
20 
25 
30 
45 (VIA) 
remanence MA) 

Left empty

Freitag, 12. April 2019

08:13

**m171:** Plusses\_Hloop\_60K\_dependent\_45deg

Dienstag, 9. April 2019

19:42

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

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) |  |
| Angle of sensor θ |  |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  |  | |  |  | |
|  | R12 = 300/1000\*50 = 15 |
|  |  |
| *Period of measurement (min)* |  |
| *Notes* |  |
| *Data files* | <<m171\_Plusses\_45deg\_Hloop\_up\_T60K\_T\_dep\_\_Gradio\_20190409\_1900\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-15kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>>    <<m171\_Plusses\_45deg\_Hloop\_down\_T60K\_T\_dep\_\_Gradio\_20190409\_1900\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-15kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>> |
| *Plot* |  |

**m172:** Plusses\_Hloop\_55K\_dependent\_45deg

Dienstag, 9. April 2019

19:42

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

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) |  |
| Angle of sensor θ |  |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  |  | |  |  | |
|  | R12 = 300/1000\*50 = 15 |
|  |  |
| *Period of measurement (min)* |  |
| *Notes* |  |
| *Data files* | <<m172\_Plusses\_45deg\_Hloop\_down\_T55K\_T\_dep\_\_Gradio\_20190409\_1900\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-15kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>>    <<m172\_Plusses\_45deg\_Hloop\_up\_T55K\_T\_dep\_\_Gradio\_20190409\_1900\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-15kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>> |
| *Plot* |  |

**m173:** Plusses\_Hloop\_50K\_dependent\_45deg

Dienstag, 9. April 2019

19:42

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

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) |  |
| Angle of sensor θ |  |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  |  | |  |  | |
|  | R12 = 300/1000\*50 = 15 |
|  |  |
| *Period of measurement (min)* |  |
| *Notes* |  |
| *Data files* | <<m173\_Plusses\_45deg\_Hloop\_up\_T50K\_T\_dep\_\_Gradio\_20190409\_1900\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-15kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>>    <<m173\_Plusses\_45deg\_Hloop\_down\_T50K\_T\_dep\_\_Gradio\_20190409\_1900\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-15kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>> |
| *Plot* |  |

**m174:** Plusses\_Hloop\_45K\_dependent\_45deg

Dienstag, 9. April 2019

19:42

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

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) |  |
| Angle of sensor θ |  |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  |  | |  |  | |
|  | R12 = 300/1000\*50 = 15 |
|  |  |
| *Period of measurement (min)* |  |
| *Notes* |  |
| *Data files* | <<m174\_Plusses\_45deg\_Hloop\_down\_T45K\_T\_dep\_\_Gradio\_20190409\_1900\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-15kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>>    <<m174\_Plusses\_45deg\_Hloop\_up\_T45K\_T\_dep\_\_Gradio\_20190409\_1900\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-15kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>> |
| *Plot* |  |

**m175:** Plusses\_Hloop\_40K\_dependent\_45deg

Dienstag, 9. April 2019

19:42

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

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) |  |
| Angle of sensor θ |  |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  |  | |  |  | |
|  | R12 = 300/1000\*50 = 15 |
|  |  |
| *Period of measurement (min)* |  |
| *Notes* |  |
| *Data files* | <<m175\_Plusses\_45deg\_Hloop\_down\_T40K\_T\_dep\_\_Gradio\_20190409\_1900\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-15kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>>    <<m175\_Plusses\_45deg\_Hloop\_up\_T40K\_T\_dep\_\_Gradio\_20190409\_1900\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-15kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>> |
| *Plot* |  |

**m176:** Plusses\_Hloop\_35K\_dependent\_45deg

Dienstag, 9. April 2019

19:42

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

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) |  |
| Angle of sensor θ |  |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  |  | |  |  | |
|  | R12 = 300/1000\*50 = 15 |
|  |  |
| *Period of measurement (min)* |  |
| *Notes* |  |
| *Data files* | <<m176\_Plusses\_45deg\_Hloop\_up\_T35K\_T\_dep\_\_Gradio\_20190409\_1900\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-15kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>>    <<m176\_Plusses\_45deg\_Hloop\_down\_T35K\_T\_dep\_\_Gradio\_20190409\_1900\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-15kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>> |
| *Plot* |  |

**m177:** Plusses\_Hloop\_30K\_dependent\_45deg

Dienstag, 9. April 2019

19:42

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

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) |  |
| Angle of sensor θ |  |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  |  | |  |  | |
|  | R12 = 300/1000\*50 = 15 |
|  |  |
| *Period of measurement (min)* |  |
| *Notes* |  |
| *Data files* | <<m177\_Plusses\_45deg\_Hloop\_down\_T30K\_T\_dep\_\_Gradio\_20190409\_1900\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-15kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_down.dat>>    <<m177\_Plusses\_45deg\_Hloop\_up\_T30K\_T\_dep\_\_Gradio\_20190409\_1900\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-15kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.2T\_gate-0V\_up.dat>> |
| *Plot* |  |

**m178:** PlussesCrossesEmpty\_Parallel Hloop\_45deg

Mittwoch, 10. April 2019

17:50

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Angle of sensor θ |  |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *1* | |  | 1000 | |
|  | R12 = 40/1000\*50 = |
|  |  |
| *Period of measurement (min)* |  |
| *Notes* |  |
| *Data files* | <<m178\_cros\_plu\_emp\_45deg\_Hloop\_down\_Parallel\_20190410\_1800\_I-7-14\_GB8-1-13\_GB9-2-12\_GB13-6-8\_Vin-2.5V\_R11-1MO\_C11-1\_C21-6\_T-30K\_SR-10-T-min\_B-1T\_gate-0V\_a\_.dat>>    <<m178\_cros\_plu\_emp\_45deg\_Hloop\_up\_Parallel\_20190410\_1800\_I-7-14\_GB8-1-13\_GB9-2-12\_GB13-6-8\_Vin-2.5V\_R11-1MO\_C11-1\_C21-6\_T-30K\_SR-10-T-min\_B-1T\_gate-0V\_a\_.dat>> |
| *Plot* |  |

**C: Changing angle (-80)**

Mittwoch, 10. April 2019

17:54

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| VH(max) (mV) | *11,164mV* |
| Angle of sensor calculator | **V\_H= Cos(-80)\*11,164 = 1,938608255473611 mV**  **Before changing: 7.414mV**  **Measured:1.938mV** |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *1* | |
|  |  |
| *Period of measurement* |  |
| *Notes* |  |
| *Data files* |  |
| *Plot* |  |

**m179: Crosses\_Hloop\_30K\_dependent\_(-80)deg**

Mittwoch, 10. April 2019

17:55

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *30K* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.4* | |  | 10 | |
|  | R12 = 135/1000\*50 = 6,75 |
|  |  |
| *Period of measurement (min)* | *160* |
| *Notes* | *Over night and dayliht routine* |
| *Data files* | <<m179\_Crosses\_-80deg\_Hloop\_down\_T30K\_T\_dep\_\_Gradio\_20190410\_1800\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_down.dat>>    <<m179\_Crosses\_-80deg\_Hloop\_up\_T30K\_T\_dep\_\_Gradio\_20190410\_1800\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_up.dat>> |
| *Plot* | Machine generated alternative text: -800  30K  mo  uoHÅmT) |

**m180: Crosses\_Hloop\_35K\_dependent\_(-80)deg**

Mittwoch, 10. April 2019

17:55

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *35K* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.4* | |  | 10 | |
|  | R12 = 135/1000\*50 = 6,75 |
|  |  |
| *Period of measurement (min)* | *160* |
| *Notes* | *Over night and dayliht routine* |
| *Data files* | <<m180\_Crosses\_-80deg\_Hloop\_down\_T35K\_T\_dep\_\_Gradio\_20190410\_1800\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_down.dat>>    <<m180\_Crosses\_-80deg\_Hloop\_up\_T35K\_T\_dep\_\_Gradio\_20190410\_1800\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_up.dat>> |
| *Plot* | Machine generated alternative text: -800  35K  08  mo  uoHÅmT) |

**m181: Crosses\_Hloop\_40K\_dependent\_(-80)deg**

Mittwoch, 10. April 2019

17:55

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *40K* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.4* | |  | 10 | |
|  | R12 = 135/1000\*50 = 6,75 |
|  |  |
| *Period of measurement (min)* | *160* |
| *Notes* | *Over night and dayliht routine* |
| *Data files* | <<m181\_Crosses\_-80deg\_Hloop\_down\_T40K\_T\_dep\_\_Gradio\_20190410\_1800\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_down.dat>>    <<m181\_Crosses\_-80deg\_Hloop\_up\_T40K\_T\_dep\_\_Gradio\_20190410\_1800\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_up.dat>> |
| *Plot* | Machine generated alternative text: -800  40K  mo  uoHÅmT) |

**m182: Crosses\_Hloop\_45K\_dependent\_(-80)deg**

Mittwoch, 10. April 2019

17:55

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *45K* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.4* | |  | 10 | |
|  | R12 = 135/1000\*50 = 6,75 |
|  |  |
| *Period of measurement (min)* | *160* |
| *Notes* | *Over night and dayliht routine* |
| *Data files* | <<m182\_Crosses\_-80deg\_Hloop\_down\_T45K\_T\_dep\_\_Gradio\_20190410\_1800\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_down.dat>>    <<m182\_Crosses\_-80deg\_Hloop\_up\_T45K\_T\_dep\_\_Gradio\_20190410\_1800\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_up.dat>> |
| *Plot* | Machine generated alternative text: -800  45K  mo  uoHÅmT) |

**m183: Crosses\_Hloop\_50K\_dependent\_(-80)deg**

Donnerstag, 11. April 2019

07:56

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *50K* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.4* | |  | 10 | |
|  | R12 = 135/1000\*50 = 6,75 |
|  |  |
| *Period of measurement (min)* | *160* |
| *Notes* | *Over night and dayliht routine* |
| *Data files* | <<m183\_Crosses\_-80deg\_Hloop\_down\_T50K\_T\_dep\_\_Gradio\_20190410\_1800\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_down.dat>>    <<m183\_Crosses\_-80deg\_Hloop\_up\_T50K\_T\_dep\_\_Gradio\_20190410\_1800\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_up.dat>> |
| *Plot* | Machine generated alternative text: -800  50K  mo  uoHÅmT) |

**m184: Crosses\_Hloop\_55K\_dependent\_(-80)deg**

Donnerstag, 11. April 2019

17:55

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *55K* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.4* | |  | 10 | |
|  | R12 = 135/1000\*50 = 6,75 |
|  |  |
| *Period of measurement (min)* | *160* |
| *Notes* | *Over night and dayliht routine* |
| *Data files* | <<m184\_Crosses\_-80deg\_Hloop\_down\_T55K\_T\_dep\_\_Gradio\_20190410\_1800\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_down.dat>>    <<m184\_Crosses\_-80deg\_Hloop\_up\_T55K\_T\_dep\_\_Gradio\_20190410\_1800\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_up.dat>> |
| *Plot* | Machine generated alternative text: 450  55K  mo  uoHÅmT) |

**m185: Crosses\_Hloop\_60K\_dependent\_(-80)deg**

Donnerstag, 11. April 2019

17:55

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *60K* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.4* | |  | 10 | |
|  | R12 = 135/1000\*50 = 6,75 |
|  |  |
| *Period of measurement (min)* | *160* |
| *Notes* | *Over night and dayliht routine* |
| *Data files* | <<m185\_Crosses\_-80deg\_Hloop\_up\_T60K\_T\_dep\_\_Gradio\_20190410\_1800\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_up.dat>>    <<m185\_Crosses\_-80deg\_Hloop\_down\_T60K\_T\_dep\_\_Gradio\_20190410\_1800\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_down.dat>> |
| *Plot* | Machine generated alternative text: 450  60K  12  uoHÅmT) |

**Filling He(l)**

Donnerstag, 11. April 2019

16:48

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| * 1. He(l) | 27in | 11.04.2019 | 1648 | Person |
| * 1. He(l) | 36 | 08.04.2019 | 1715 | MAM |

Notes:



'To do:

**m186: Crosses\_Hloop\_65K\_dependent\_(-80)deg**

Donnerstag, 11. April 2019

17:55

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *65K* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.35* | |  | 10 | |
|  | R12 = 135/1000\*50 = 6,75 |
|  |  |
| *Period of measurement (min)* | *160* |
| *Notes* | *Over night and dayliht routine* |
| *Data files* | <<m186\_Crosses\_-80deg\_Hloop\_down\_T65K\_T\_dep\_\_Gradio\_20190411\_1700\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_down.dat>>    <<m186\_Crosses\_-80deg\_Hloop\_up\_T65K\_T\_dep\_\_Gradio\_20190411\_1700\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_up.dat>> |
| *Plot* | -800  65K |

**m187: Crosses\_Hloop\_70K\_dependent\_(-80)deg**

Donnerstag, 11. April 2019

17:55

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *60K* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.35* | |  | 10 | |
|  | R12 = 135/1000\*50 = 6,75 |
|  |  |
| *Period of measurement (min)* | *160* |
| *Notes* | *Over night and dayliht routine* |
| *Data files* | <<m187\_Crosses\_-80deg\_Hloop\_up\_T70K\_T\_dep\_\_Gradio\_20190411\_1700\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_up.dat>>    <<m187\_Crosses\_-80deg\_Hloop\_down\_T70K\_T\_dep\_\_Gradio\_20190411\_1700\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_down.dat>> |
| *Plot* | Machine generated alternative text: -800  70K  12  uoHÅmT) |

**m188: Crosses\_Hloop\_75K\_dependent\_(-80)deg**

Donnerstag, 11. April 2019

17:55

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *60K* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.35* | |  | 10 | |
|  | R12 = 135/1000\*50 = 6,75 |
|  |  |
| *Period of measurement (min)* | *160* |
| *Notes* | *Over night and dayliht routine* |
| *Data files* | <<m188\_Crosses\_-80deg\_Hloop\_up\_T75K\_T\_dep\_\_Gradio\_20190411\_1700\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_up.dat>>    <<m188\_Crosses\_-80deg\_Hloop\_down\_T75K\_T\_dep\_\_Gradio\_20190411\_1700\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_down.dat>> |
| *Plot* | Machine generated alternative text: -800  75K  E 14  mo  uoHÅmT) |

**m189: Crosses\_Hloop\_80K\_dependent\_(-80)deg**

Donnerstag, 11. April 2019

17:55

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *80K* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.35* | |  | 10 | |
|  | R12 = 135/1000\*50 = 6,75 |
|  |  |
| *Period of measurement (min)* | *160* |
| *Notes* | *Over night and dayliht routine* |
| *Data files* | <<m189\_Crosses\_-80deg\_Hloop\_up\_T80K\_T\_dep\_\_Gradio\_20190411\_1700\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_up.dat>>    <<m189\_Crosses\_-80deg\_Hloop\_down\_T80K\_T\_dep\_\_Gradio\_20190411\_1700\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-6.75kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_down.dat>> |
| *Plot* | -800  80K |

Left empty

Freitag, 12. April 2019

08:13

**m190:** Plusses\_Hloop\_80K\_dependent\_(-80)deg

Freitag, 12. April 2019

08:12

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

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *80* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.5* | |  | 10 | |
|  | R12 = 230/1000\*50 = 11,5 |
|  |  |
| *Period of measurement (min)* | *200* |
| *Notes* |  |
| *Data files* | <<m190\_Plusses\_-80deg\_Hloop\_down\_T80K\_T\_dep\_\_Gradio\_20190412\_0800\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.5kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.5T\_gate-0V\_down.dat>>    <<m190\_Plusses\_-80deg\_Hloop\_up\_T80K\_T\_dep\_\_Gradio\_20190412\_0800\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.5kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.5T\_gate-0V\_up.dat>> |
| *Plot* | Machine generated alternative text: -800  80K  -40  40  uoHÅmT) |

**m191:** Plusses\_Hloop\_70K\_dependent\_(-80)deg

Freitag, 12. April 2019

08:12

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

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *70* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.5* | |  | 10 | |
|  | R12 = 230/1000\*50 = 11,5 |
|  |  |
| *Period of measurement (min)* | *200* |
| *Notes* |  |
| *Data files* | <<m191\_Plusses\_-80deg\_Hloop\_down\_T70K\_T\_dep\_\_Gradio\_20190412\_0800\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.5kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.5T\_gate-0V\_down.dat>>    <<m191\_Plusses\_-80deg\_Hloop\_up\_T70K\_T\_dep\_\_Gradio\_20190412\_0800\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.5kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.5T\_gate-0V\_up.dat>> |
| *Plot* | Machine generated alternative text: 02  -800  70K  -40  40  uoHÅmT) |

**m192:** Plusses\_Hloop\_60K\_dependent\_(-80)deg

Freitag, 12. April 2019

08:12

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

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *60* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.5* | |  | 10 | |
|  | R12 = 230/1000\*50 = 11,5 |
|  |  |
| *Period of measurement (min)* | *200* |
| *Notes* |  |
| *Data files* | <<m192\_Plusses\_-80deg\_Hloop\_down\_T60K\_T\_dep\_\_Gradio\_20190412\_0800\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.5kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.5T\_gate-0V\_down.dat>>    <<m192\_Plusses\_-80deg\_Hloop\_up\_T60K\_T\_dep\_\_Gradio\_20190412\_0800\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.5kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.5T\_gate-0V\_up.dat>> |
| *Plot* | Machine generated alternative text: -800  60K  -40  40  uoHÅmT) |

**m193:** Plusses\_Hloop\_50K\_dependent\_(-80)deg

Freitag, 12. April 2019

08:12

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

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *50* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.5* | |  | 10 | |
|  | R12 = 230/1000\*50 = 11,5 |
|  |  |
| *Period of measurement (min)* | *200* |
| *Notes* |  |
| *Data files* | <<m193\_Plusses\_-80deg\_Hloop\_down\_T50K\_T\_dep\_\_Gradio\_20190412\_0800\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.5kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.5T\_gate-0V\_down.dat>>    <<m193\_Plusses\_-80deg\_Hloop\_up\_T50K\_T\_dep\_\_Gradio\_20190412\_0800\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.5kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.5T\_gate-0V\_up.dat>> |
| *Plot* | -800  50K  -400  -Icn o Icn  voHat(mT)  400 |

**m194:** Plusses\_Hloop\_40K\_dependent\_(-80)deg

Freitag, 12. April 2019

08:12

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

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *40* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.5* | |  | 10 | |
|  | R12 = 230/1000\*50 = 11,5 |
|  |  |
| *Period of measurement (min)* | *200* |
| *Notes* |  |
| *Data files* | <<m194\_Plusses\_-80deg\_Hloop\_up\_T40K\_T\_dep\_\_Gradio\_20190412\_0800\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.5kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.5T\_gate-0V\_up.dat>>    <<m194\_Plusses\_-80deg\_Hloop\_down\_T40K\_T\_dep\_\_Gradio\_20190412\_0800\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.5kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.5T\_gate-0V\_down.dat>> |
| *Plot* | -800  40K |

**m195:** Plusses\_Hloop\_30K\_dependent\_(-80)deg

Freitag, 12. April 2019

08:12

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

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *30* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.5* | |  | 10 | |
|  | R12 = 230/1000\*50 = 11,5 |
|  |  |
| *Period of measurement (min)* | *200* |
| *Notes* |  |
| *Data files* | <<m195\_Plusses\_-80deg\_Hloop\_down\_T30K\_T\_dep\_\_Gradio\_20190412\_0800\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.5kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.5T\_gate-0V\_down.dat>>    <<m195\_Plusses\_-80deg\_Hloop\_up\_T30K\_T\_dep\_\_Gradio\_20190412\_0800\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.5kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.5T\_gate-0V\_up.dat>> |
| *Plot* | -800  30K  -400  -Icn o Icn  voHat(mT)  400 |

**m196:** Plusses\_Hloop\_20K\_dependent\_(-80)deg

Freitag, 12. April 2019

08:12

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

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *20* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.5* | |  | 10 | |
|  | R12 = 230/1000\*50 = 11,5 |
|  |  |
| *Period of measurement (min)* | *200* |
| *Notes* |  |
| *Data files* | <<m196\_Plusses\_-80deg\_Hloop\_down\_T20K\_T\_dep\_\_Gradio\_20190412\_0800\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.5kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.5T\_gate-0V\_down.dat>>    <<m196\_Plusses\_-80deg\_Hloop\_up\_T20K\_T\_dep\_\_Gradio\_20190412\_0800\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.5kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.5T\_gate-0V\_up.dat>> |
| *Plot* | -04  -800  20K  -400  -Icn o Icn  voHat(mT)  400 |

**m197:** Plusses\_Hloop\_10K\_dependent\_(-80)deg

Freitag, 12. April 2019

08:12

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

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *10* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.5* | |  | 10 | |
|  | R12 = 230/1000\*50 = 11,5 |
|  |  |
| *Period of measurement (min)* | *200* |
| *Notes* |  |
| *Data files* | <<m197\_Plusses\_-80deg\_Hloop\_down\_T10K\_T\_dep\_\_Gradio\_20190412\_0800\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.5kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.5T\_gate-0V\_down.dat>>    <<m197\_Plusses\_-80deg\_Hloop\_up\_T10K\_T\_dep\_\_Gradio\_20190412\_0800\_I1-1-13\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-11.5kO\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.5T\_gate-0V\_up.dat>> |
| *Plot* | -800  1 OK  -400  -Icn o Icn  voHat(mT)  400 |

**Filling He(l)**

Sonntag, 14. April 2019

09:22

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| * 1. He(l) | 27.53 in | 14.04.2019 | 0925 | Person |
| * 1. He(l) | 36.22 in | 08.04.2019 | 0945 | MAM |

Notes:



'To do:

**m198: Crosses\_Hloop\_10K\_dependent\_(-80)deg**

Sonntag, 14. April 2019

09:57

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *10K* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.4* | |  | 10 | |
|  | R12 = 0/1000\*50 = 0 |
|  |  |
| *Period of measurement (min)* | *160* |
| *Notes* |  |
| *Data files* | <<m198\_Crosses\_-80deg\_Hloop\_down\_T10K\_T\_dep\_\_Gradio\_20190414\_1000\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-0\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_down.dat>>    <<m198\_Crosses\_-80deg\_Hloop\_up\_T10K\_T\_dep\_\_Gradio\_20190414\_1000\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-0\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_up.dat>> |
| *Plot* | Machine generated alternative text: -800  10K  mo  uoHÅmT) |

**m199: Crosses\_Hloop\_15K\_dependent\_(-80)deg**

Sonntag, 14. April 2019

09:57

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *15K* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.4* | |  | 10 | |
|  | R12 = 0/1000\*50 = 0 |
|  |  |
| *Period of measurement (min)* | *160* |
| *Notes* |  |
| *Data files* | <<m199\_Crosses\_-80deg\_Hloop\_up\_T15K\_T\_dep\_\_Gradio\_20190414\_1000\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-0\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_up.dat>>    <<m199\_Crosses\_-80deg\_Hloop\_down\_T15K\_T\_dep\_\_Gradio\_20190414\_1000\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-0\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_down.dat>> |
| *Plot* | Machine generated alternative text: -800  15K  mo  uoHÅmT) |

**m200: Crosses\_Hloop\_20K\_dependent\_(-80)deg**

Sonntag, 14. April 2019

09:57

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *20K* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.4* | |  | 10 | |
|  | R12 = 0/1000\*50 = 0 |
|  |  |
| *Period of measurement (min)* | *160* |
| *Notes* |  |
| *Data files* | <<m200\_Crosses\_-80deg\_Hloop\_down\_T20K\_T\_dep\_\_Gradio\_20190414\_1000\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-0\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_down.dat>>    <<m200\_Crosses\_-80deg\_Hloop\_up\_T20K\_T\_dep\_\_Gradio\_20190414\_1000\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-0\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_up.dat>> |
| *Plot* | -800  20K  N 07  voHat(mT) |

**m201: Crosses\_Hloop\_25K\_dependent\_(-80)deg**

Sonntag, 14. April 2019

09:57

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Temperature (K) | *25K* |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *0.4* | |  | 10 | |
|  | R12 = 0/1000\*50 = 0 |
|  |  |
| *Period of measurement (min)* | *160* |
| *Notes* |  |
| *Data files* | <<m201\_Crosses\_-80deg\_Hloop\_up\_T25K\_T\_dep\_\_Gradio\_20190414\_1000\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-0\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_up.dat>>    <<m201\_Crosses\_-80deg\_Hloop\_down\_T25K\_T\_dep\_\_Gradio\_20190414\_1000\_I1-2-12\_I2-8-6\_GBIP8-14-7\_Vin-2.5V\_R11-1MO\_R12-0\_R13-0\_R21-1MO\_C11-1\_C21-6\_SR-0.01-T-min\_B-0.4T\_gate-0V\_down.dat>> |
| *Plot* | Machine generated alternative text: -800  25K  mo  uoHÅmT) |

**m202:** PlussesCrossesEmpty\_Parallel Hloop\_(-80)deg

Montag, 15. April 2019

09:20

|  |  |
| --- | --- |
| Float/Ground: | Ground |
| AC/DC: | AC |
| A/A-B: | A-B |
| Reserve: | Normal |
| Source: | Internal |

|  |  |
| --- | --- |
| Angle of sensor θ | *-80* |
|  |  |
|  |  |
|  | |  |  | | --- | --- | |  | *1* | |  | 1000 | |
|  | R12 = 40/1000\*50 = |
|  |  |
| *Period of measurement (min)* |  |
| *Notes* |  |
| *Data files* | <<m202\_cros\_plu\_emp\_-80deg\_Hloop\_down\_Parallel\_20190415\_0900\_I-7-14\_GB8-1-13\_GB9-2-12\_GB13-6-8\_Vin-2.5V\_R11-1MO\_C11-1\_C21-6\_T-30K\_SR-10-T-min\_B-1T\_gate-0V\_a\_.dat>>    <<m202\_cros\_plu\_emp\_-80deg\_Hloop\_up\_Parallel\_20190415\_0900\_I-7-14\_GB8-1-13\_GB9-2-12\_GB13-6-8\_Vin-2.5V\_R11-1MO\_C11-1\_C21-6\_T-30K\_SR-10-T-min\_B-1T\_gate-0V\_b\_.dat>> |
| *Plot* |  |

Comparison\_crosses

15 April 2019

08:13

Machine generated alternative text:
80K 
75K 
70K 
65K 
60K 
55K 
50K 
45K 
35K 
30K 
25K 
20K 
15K 
10K 
-300 
-200 
-100 0 

Comparison\_Plusses

15 April 2019

08:13

Machine generated alternative text:
80K 
70K 
60K 
50K 
40K 
30K 
20K 
10K 
-no -40-300-zn-lm 0 100 200300 