TPC 21 = -3.1 TPC 22 = -9.0

~~TPC 41~~ =

We scale TA-S2 by 2.5

Factor = 0.99966

| | |
|---|---|
| TPC 21 = -1.1 | TPC 22 = -2.4 |
| TPC 41 = 2.7 | TPC 42 = 0.7 |

We check again mosis and tof

raw_ll : ch 2969
raw_rr : ch 3035
} 159.675 ns

We go now on calibating S2 degrader

Scali:

TA-S2 ~~0.80373~~ : $\frac{8.3871}{8.3871} = 1$

S2-S4 = 0.80373 : $\frac{6.5488}{8.148}$

TS3 ED7 V0 : -364.8 Degrader 5700 mg/cm$^2$

V4 : -364.8 Diaphr ~~5735~~.

↳ This is not given centered beam.

We try a different offset

15434_02 $^{58}$Ni 600 MeV/u

scetram sc21 2.975mm tpc21 tpc22

finger, tpc41 tpc42, centered

04. Apr 2014
21:50:46.54

FS

| A, ζ | MeV/u | Bρ [Tm] | bis |
|---|---|---|---|
| $^{58}Ni^{26+}$ | 11.274 | 1.0805 | GS08BE2F |
| $^{58}Ni^{26+}$ | 600.000 | 9.0356 | GTS1ET5 |
| $^{58}Ni^{26+}$ | 600.000 | 9.0356 | GTS3ED7L |
| $^{58}Ni^{26+}$ | 600.000 | 9.0356 | Ende |

Magnetwerte/-status für Konsole FS

| | |
|---|---|
| Experimentplatz | HFS |
| Experimentnummer | S434 |
| Beschleuniger | S08 |
| Task | FSMS |
| Version | FSMS |

| Name | AccStatus: ● aktiv ○ inaktiv | Acc | $Strom_{Ist}$ | $Strom_{Soll}$ | $Volt_{Ist}$ | $Volt_{Soll}$ | $B' \cdot l_{Ist}$ | $B' \cdot l_{Soll}$ | Mode | Status | Fehler (Bit 0..15) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GTE1KY1 | ●○○○○○○○○○○○○○○○ | S08 | -21.781 | -21.657 | -2.178 | -2.166 | -0.00992 | -0.00986 | I->F | 07FFFFFF | |
| GTE1QD11 | ●○○○○○○○○○○○○○○○ | S08 | 40.142 | 40.103 | 1.460 | 1.458 | -0.97523 | -0.97494 | I->F | 07FFFFFF | |
| GTE1QD12 | ●○○○○○○○○○○○○○○○ | S08 | 0.126 | 0.308 | 0.005 | 0.011 | 0.01104 | 0.01536 | I->F | 07FFFFFF | |
| GTS1MU1 | ●○○○○○○○○○○○○○○○ | S08 | 543.852 | 544.050 | 4.729 | 4.731 | 1.19190 | 1.19230 | I->F | 07FFFFFF | |
| GTS1MU1_0 | ●●○○○○○○○○○○○○○○ | S08 | 0.002 | | 0.002 | | 0.00000 | | Dmy | FFFFFF86 | Regler abgeglichen |
| GTS1KY1 | ○○○○○○○○○○○○○○○○ | S08 | 15.769 | 15.712 | 1.577 | 1.571 | 0.00720 | 0.00718 | I->F | 07FFFFFF | |
| GTS1QD11 | ○○○○○○○○○○○○○○○○ | S08 | 123.627 | 123.659 | 4.121 | 4.122 | 4.77456 | 4.77593 | I->F | 07FFFFFF | |
| GTS1QD12 | ○○○○○○○○○○○○○○○○ | S08 | 134.614 | 134.650 | 4.487 | 4.488 | -5.19802 | -5.20013 | I->F | 07FFFFFF | |
| GTS1MU2 | ○○○○○○○○○○○○○○○○ | S08 | 244.862 | 244.906 | 4.452 | 4.453 | 1.17509 | 1.17513 | I->F | 07FFFFFF | |
| GTS2QT11 | ○○○○○○○○○○○○○○○○ | S08 | 97.140 | 96.985 | 1.619 | 1.616 | -1.90079 | -1.89744 | I->F | 07FFFFFF | |
| GTS2QT12 | ○○○○○○○○○○○○○○○○ | S08 | 231.434 | 231.293 | 3.857 | 3.855 | 5.40253 | 5.39920 | I->F | 07FFFFFF | |
| GTS2QT13 | ○○○○○○○○○○○○○○○○ | S08 | 156.194 | 156.194 | 2.603 | 2.603 | -3.05709 | -3.05713 | I->F | 07FFFFFF | |
| GTS2KS1 | ●○○○○○○○○○○○○○○○ | S08 | 1.790 | 1.808 | 0.211 | 0.213 | 0.22781 | 0.23012 | I->F | 07FFFFFF | |
| GTS3MU1 | ●○○○○○○○○○○○○○○○ | S08 | 384.039 | 383.646 | 4.267 | 4.263 | 4.45511 | 4.38580 | Hall | 07FFFFFF | |
| GTS3MU1 | ●○○○○○○○○○○○○○○○ | S08 | | | | | 4.39058 | | I>Bl | ---"--- | 0.75645 |
| GTS3MU1_0 | ●○○○○○○○○○○○○○○○ | S08 | 0.002 | | 0.002 | | 0.00000 | | Dmy | FFFFFFFF | Regler abgeglichen |
| GTS3KS1 | ●○○○○○○○○○○○○○○○ | S08 | 12.755 | 12.759 | 1.501 | 1.501 | 1.62337 | 1.62382 | I->F | 07FFFFFF | |
| GTS3QD11 | ●○○○○○○○○○○○○○○○ | S08 | 163.646 | 163.430 | 2.727 | 2.724 | -3.20352 | -3.19939 | I->F | 07FFFFFF | |
| GTS3QD12 | ●○○○○○○○○○○○○○○○ | S08 | 102.744 | 102.748 | 1.712 | 1.712 | 2.01129 | 2.01105 | I->F | 07FFFFFF | |
| GTS3QD21 | ●○○○○○○○○○○○○○○○ | S08 | 156.487 | 156.239 | 2.608 | 2.604 | 3.06442 | 3.05960 | I->F | 07FFFFFF | |
| GTS3KY1 | ●○○○○○○○○○○○○○○○ | S08 | 0.020 | 0.000 | 0.000 | 0.000 | 0.00002 | 0.00000 | I->F | 07FFFFFF | |
| GTS3QD22 | ●○○○○○○○○○○○○○○○ | S08 | 176.885 | 176.820 | 2.948 | 2.947 | -3.46475 | -3.46368 | I->F | 07FFFFFF | |
| GTS3KS2 | ●○○○○○○○○○○○○○○○ | S08 | 10.965 | 10.935 | 1.290 | 1.286 | 1.39556 | 1.39175 | I->F | 07FFFFFF | |
| GTS3MU2 | ●○○○○○○○○○○○○○○○ | S08 | 385.604 | 383.834 | 4.284 | 4.265 | -4.40397 | -4.38580 | Hall | 07FFFFFF | |
| GTS3MU2 | ●○○○○○○○○○○○○○○○ | S08 | | | | | -4.40629 | | I>Bl | ---"--- | 0.74764 |
| GTS3KS3 | ●○○○○○○○○○○○○○○○ | S08 | 0.366 | 0.344 | 0.043 | 0.041 | 0.04655 | 0.04383 | I->F | 07FFFFFF | |
| GTS3QT31 | ●○○○○○○○○○○○○○○○ | S08 | 159.508 | 159.245 | 2.658 | 2.654 | -3.13383 | -3.12871 | I->F | 07FFFFFF | |
| GTS3QT32 | ●○○○○○○○○○○○○○○○ | S08 | 256.099 | 256.037 | 4.268 | 4.267 | 5.99437 | 5.99204 | I->F | 07FFFFFF | |
| GTS3KY2 | ●○○○○○○○○○○○○○○○ | S08 | -0.011 | 0.000 | -0.005 | 0.000 | -0.00001 | 0.00000 | I->F | 07FFFFFF | |
| GTS3QT33 | ●○○○○○○○○○○○○○○○ | S08 | 170.403 | 170.139 | 2.840 | 2.836 | -3.34861 | -3.34357 | I->F | 07FFFFFF | |
| GTS4QT11 | ●○○○○○○○○○○○○○○○ | S08 | 165.313 | 165.146 | 2.755 | 2.752 | -3.24658 | -3.24341 | I->F | 07FFFFFF | |
| GTS4KY1 | ●○○○○○○○○○○○○○○○ | S08 | 0.010 | 0.000 | 0.005 | 0.000 | 0.00001 | 0.00000 | I->F | 07FFFFFF | |
| GTS4QT12 | ●○○○○○○○○○○○○○○○ | S08 | 248.335 | 248.218 | 4.139 | 4.137 | 5.81561 | 5.81230 | I->F | 07FFFFFF | |
| GTS4QT13 | ●○○○○○○○○○○○○○○○ | S08 | 153.099 | 152.982 | 2.552 | 2.550 | -3.01137 | -3.00908 | I->F | 07FFFFFF | |
| GTS4KS1 | ●○○○○○○○○○○○○○○○ | S08 | 0.501 | 0.474 | 0.059 | 0.056 | 0.06372 | 0.06033 | I->F | 07FFFFFF | |
| GTS4MU1 | ●○○○○○○○○○○○○○○○ | S08 | 373.354 | 373.382 | 4.148 | 4.149 | -4.25722 | -4.25069 | Hall | 07FFFFFF | |
| GTS4MU1 | ●○○○○○○○○○○○○○○○ | S08 | | | | | -4.25037 | | I>Bl | ---"--- | 0.72274 |
| GTS4KS2 | ●○○○○○○○○○○○○○○○ | S08 | 10.234 | 10.248 | 1.204 | 1.206 | 1.30246 | 1.30423 | I->F | 07FFFFFF | |
| GTS4QD21 | ●○○○○○○○○○○○○○○○ | S08 | 171.923 | 171.316 | 2.865 | 2.855 | -3.37663 | -3.36496 | I->F | 07FFFFFF | |
| GTS4KY2 | ●○○○○○○○○○○○○○○○ | S08 | -0.001 | 0.000 | 0.000 | 0.000 | 0.00000 | 0.00000 | I->F | 07FFFFFF | |
| GTS4QD22 | ●○○○○○○○○○○○○○○○ | S08 | 151.762 | 151.324 | 2.529 | 2.522 | 2.97874 | 2.97013 | I->F | 07FFFFFF | |
| GTS4QD31 | ●○○○○○○○○○○○○○○○ | S08 | 109.958 | 109.541 | 1.833 | 1.826 | 2.15508 | 2.14658 | I->F | 07FFFFFF | |
| GTS4QD32 | ●○○○○○○○○○○○○○○○ | S08 | 164.415 | 164.000 | 2.740 | 2.733 | -3.23738 | -3.22932 | I->F | 07FFFFFF | |
| GTS4KS3 | ●○○○○○○○○○○○○○○○ | S08 | 9.614 | 9.617 | 1.131 | 1.131 | 1.22355 | 1.22398 | I->F | 07FFFFFF | |
| GHFSMU1 | ●○○○○○○○○○○○○○○○ | S08 | 372.475 | 372.013 | 4.139 | 4.133 | 4.25426 | 4.25069 | Hall | 07FFFFFF | |
| GHFSMU1 | ●○○○○○○○○○○○○○○○ | S08 | | | | | 4.25196 | | I>Bl | ---"--- | 0.72225 |
| GHFSMU1_0 | ●○○○○○○○○○○○○○○○ | S08 | 1.101 | | 1.101 | | 0.00000 | | Dmy | FFFFFFFF | Regler abgeglichen |
| GHFSKS1 | ●○○○○○○○○○○○○○○○ | S08 | 0.161 | 0.036 | 0.019 | 0.004 | 0.02047 | 0.00455 | I->F | 07FFFFFF | |
| GHFSQT11 | ●○○○○○○○○○○○○○○○ | S08 | 104.300 | 104.103 | 1.738 | 1.735 | -2.05110 | -2.04690 | I->F | 07FFFFFF | |
| GHFSQT12 | ●○○○○○○○○○○○○○○○ | S08 | 214.991 | 214.828 | 3.583 | 3.580 | 5.03402 | 5.03050 | I->F | 07FFFFFF | |
| GHFSQT13 | ●○○○○○○○○○○○○○○○ | S08 | 171.081 | 171.075 | 2.851 | 2.851 | -3.36195 | -3.36198 | I->F | 07FFFFFF | |
| GHFSKY1 | ●○○○○○○○○○○○○○○○ | S08 | -0.007 | 0.000 | -0.003 | 0.000 | 0.00001 | 0.00000 | I->F | 07FFFFFF | |

SIS-TS-HFS

. Apr 2014 21:50:46.54

$Bp_{12}$ = 8.3971 Tm

$Bp_{24}$ = 8.148 Tm

TPC 21 = -1.2 mm  TPC 22 = -2.1 mm

TS3ED7 V0 = -352.0
TS3ED7 VU = -352.0

Dialid = 5.569  offset -131 mg/cm²

toff - ll = 2045 channel
toff - rr = 2130 channel

We put now 6.8 g/cm².

TA-S1: 1

S2-S4: 6.1821 / 6.5488 = 0.944005

TPC21 → -4.5 mm  TPC22 → -9.6 mm

We restor S434_02 from S4S to Target
TPCs are still shifted

Now we load S434_03 complete from SIS to target to recluck the first degrade thickness

22.45 Turn on the active base of SC21
SC21 = 240 mV  th = 100 mV
SC41 = 400 mV
so OK!

S434_03 $^{58}Ni$ 600 MeV/u

seetam, sc21 2.975mm tpc21 tpc22 finger

52 deg: 5.7 g/cm² tpc41, tpc42 centered

04. Apr 2014
22:22:20.67

FS

| A, ζ | MeV/u | Bρ [Tm] | bis |
|---|---|---|---|
| $^{58}Ni^{26+}$ | 11.274 | 1.0805 | GS08BE2F |
| $^{58}Ni^{26+}$ | 600.000 | 9.0356 | GTS1ET5 |
| $^{58}Ni^{26+}$ | 600.000 | 9.0356 | GTS3ED7L |
| $^{58}Ni^{26+}$ | 600.000 | 9.0356 | Ende |

Magnetwerte/-status für Konsole FS

| | |
|---|---|
| Experimentplatz | HFS |
| Experimentnummer | S434 |
| Beschleuniger | S08 |
| Task | FSMS |
| Version | FSMS |

| Name | AccStatus: ● aktiv ○ inaktiv | Acc | $Strom_{Ist}$ | $Strom_{Soll}$ | $Volt_{Ist}$ | $Volt_{Soll}$ | $B' \cdot l_{Ist}$ | $B' \cdot l_{Soll}$ | Mode | Status | Fehler (Bit 0..15) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GTE1KY1 | ●○○○○○○○○○○○○○○○ | S08 | -21.781 | -21.657 | -2.178 | -2.166 | -0.00992 | -0.00987 | I->F | 07FFFFFF | |
| GTE1QD11 | ●○○○○○○○○○○○○○○○ | S08 | 40.142 | 40.103 | 1.460 | 1.458 | -0.97523 | -0.97494 | I->F | 07FFFFFF | |
| GTE1QD12 | ●○○○○○○○○○○○○○○○ | S08 | 0.126 | 0.308 | 0.005 | 0.011 | 0.01104 | 0.01536 | I->F | 07FFFFFF | |
| GTS1MU1 | ●○○○○○○○○○○○○○○○ | S08 | 543.817 | 544.070 | 4.729 | 4.731 | 1.19182 | 1.19234 | I->F | 07FFFFFF | |
| GTS1MU1_0 | ●○○○○○○○○○○○○○○○ | S08 | 0.002 | | 0.002 | | 0.00000 | | Dmy | FFFFFF86 | Regler abgeglichen |
| GTS1KY1 | ○○○○○○○○○○○○○○○○ | S08 | 15.769 | 15.712 | 1.577 | 1.571 | 0.00720 | 0.00718 | I->F | 07FFFFFF | |
| GTS1QD11 | ○○○○○○○○○○○○○○○○ | S08 | 123.554 | 123.660 | 4.118 | 4.122 | 4.77174 | 4.77596 | I->F | 07FFFFFF | |
| GTS1QD12 | ○○○○○○○○○○○○○○○○ | S08 | 134.687 | 134.652 | 4.490 | 4.488 | -5.20084 | -5.20018 | I->F | 07FFFFFF | |
| GTS1MU2 | ○○○○○○○○○○○○○○○○ | S08 | 244.879 | 244.915 | 4.452 | 4.453 | 1.17517 | 1.17517 | I->F | 07FFFFFF | |
| GTS2QT11 | ○○○○○○○○○○○○○○○○ | S08 | 97.159 | 96.987 | 1.619 | 1.616 | -1.90114 | -1.89748 | I->F | 07FFFFFF | |
| GTS2QT12 | ○○○○○○○○○○○○○○○○ | S08 | 231.434 | 231.295 | 3.857 | 3.855 | 5.40253 | 5.39923 | I->F | 07FFFFFF | |
| GTS2QT13 | ○○○○○○○○○○○○○○○○ | S08 | 156.194 | 156.193 | 2.603 | 2.603 | -3.05709 | -3.05711 | I->F | 07FFFFFF | |
| GTS2KS1 | ●○○○○○○○○○○○○○○○ | S08 | 1.787 | 1.808 | 0.210 | 0.213 | 0.22748 | 0.23012 | I->F | 07FFFFFF | |
| GTS3MU1 | ●○○○○○○○○○○○○○○○ | S08 | 384.121 | 383.645 | 4.268 | 4.263 | 4.45448 | 4.38580 | Hall | 07FFFFFF | |
| GTS3MU1 | ●○○○○○○○○○○○○○○○ | S08 | | | | | 4.38964 | | I>Bl | ---"--- | 0.75635 |
| GTS3MU1_0 | ●○○○○○○○○○○○○○○○ | S08 | 0.005 | | 0.005 | | 0.00000 | | Dmy | FFFFFFFF | Regler abgeglichen |
| GTS3KS1 | ●○○○○○○○○○○○○○○○ | S08 | 12.758 | 12.758 | 1.501 | 1.501 | 1.62370 | 1.62379 | I->F | 07FFFFFF | |
| GTS3QD11 | ●○○○○○○○○○○○○○○○ | S08 | 163.665 | 163.432 | 2.728 | 2.724 | -3.20388 | -3.19942 | I->F | 07FFFFFF | |
| GTS3QD12 | ●○○○○○○○○○○○○○○○ | S08 | 102.762 | 102.749 | 1.713 | 1.712 | 2.01164 | 2.01106 | I->F | 07FFFFFF | |
| GTS3QD21 | ●○○○○○○○○○○○○○○○ | S08 | 156.523 | 156.241 | 2.609 | 2.604 | 3.06513 | 3.05964 | I->F | 07FFFFFF | |
| GTS3KY1 | ●○○○○○○○○○○○○○○○ | S08 | 0.020 | 0.000 | 0.009 | 0.000 | 0.00002 | 0.00000 | I->F | 07FFFFFF | |
| GTS3QD22 | ●○○○○○○○○○○○○○○○ | S08 | 176.922 | 176.822 | 2.949 | 2.947 | -3.46547 | -3.46371 | I->F | 07FFFFFF | |
| GTS3KS2 | ●○○○○○○○○○○○○○○○ | S08 | 10.965 | 10.935 | 1.290 | 1.286 | 1.39556 | 1.39176 | I->F | 07FFFFFF | |
| GTS3MU2 | ●○○○○○○○○○○○○○○○ | S08 | 385.577 | 383.833 | 4.284 | 4.265 | -4.40433 | -4.38580 | Hall | 07FFFFFF | |
| GTS3MU2 | ●○○○○○○○○○○○○○○○ | S08 | | | | | -4.40629 | | I>Bl | ---"--- | 0.71274 |
| GTS3KS3 | ●○○○○○○○○○○○○○○○ | S08 | 0.366 | 0.344 | 0.043 | 0.041 | 0.04655 | 0.04383 | I->F | 07FFFFFF | |
| GTS3QT31 | ●○○○○○○○○○○○○○○○ | S08 | 159.508 | 159.243 | 2.658 | 2.654 | -3.13383 | -3.12867 | I->F | 07FFFFFF | |
| GTS3QT32 | ●○○○○○○○○○○○○○○○ | S08 | 256.117 | 256.038 | 4.269 | 4.267 | 5.99480 | 5.99206 | I->F | 07FFFFFF | |
| GTS3KY2 | ●○○○○○○○○○○○○○○○ | S08 | -0.011 | 0.000 | -0.005 | 0.000 | -0.00001 | 0.00000 | I->F | 07FFFFFF | |
| GTS3QT33 | ●○○○○○○○○○○○○○○○ | S08 | 170.403 | 170.138 | 2.840 | 2.836 | -3.34861 | -3.34354 | I->F | 07FFFFFF | |
| GTS4QT11 | ●○○○○○○○○○○○○○○○ | S08 | 132.902 | 132.728 | 2.215 | 2.212 | -2.61039 | -2.60684 | I->F | 07FFFFFF | |
| GTS4KY1 | ●○○○○○○○○○○○○○○○ | S08 | 0.010 | 0.000 | 0.005 | 0.000 | 0.00001 | 0.00000 | I->F | 07FFFFFF | |
| GTS4QT12 | ●○○○○○○○○○○○○○○○ | S08 | 199.463 | 199.359 | 3.324 | 3.323 | 4.67359 | 4.67155 | I->F | 07FFFFFF | |
| GTS4QT13 | ●○○○○○○○○○○○○○○○ | S08 | 123.069 | 122.931 | 2.051 | 2.049 | -2.42136 | -2.41846 | I->F | 07FFFFFF | |
| GTS4KS1 | ●○○○○○○○○○○○○○○○ | S08 | 0.407 | 0.381 | 0.048 | 0.045 | 0.05183 | 0.04849 | I->F | 07FFFFFF | |
| GTS4MU1 | ●○○○○○○○○○○○○○○○ | S08 | 300.320 | 300.289 | 3.337 | 3.337 | -3.42342 | -3.41643 | Hall | 07FFFFFF | |
| GTS4MU1 | ●○○○○○○○○○○○○○○○ | S08 | | | | | -3.41578 | | I>Bl | ---"--- | 0.58124 |
| GTS4KS2 | ●○○○○○○○○○○○○○○○ | S08 | 8.228 | 8.236 | 0.968 | 0.969 | 1.04725 | 1.04823 | I->F | 07FFFFFF | |
| GTS4QD21 | ●○○○○○○○○○○○○○○○ | S08 | 138.304 | 137.689 | 2.305 | 2.295 | -2.71676 | -2.70451 | I->F | 07FFFFFF | |
| GTS4KY2 | ●○○○○○○○○○○○○○○○ | S08 | -0.001 | 0.000 | 0.000 | 0.000 | 0.00000 | 0.00000 | I->F | 07FFFFFF | |
| GTS4QD22 | ●○○○○○○○○○○○○○○○ | S08 | 122.080 | 121.605 | 2.035 | 2.027 | 2.39674 | 2.38716 | I->F | 07FFFFFF | |
| GTS4QD31 | ●○○○○○○○○○○○○○○○ | S08 | 88.479 | 88.011 | 1.475 | 1.467 | 1.73478 | 1.72528 | I->F | 07FFFFFF | |
| GTS4QD32 | ●○○○○○○○○○○○○○○○ | S08 | 132.243 | 131.766 | 2.204 | 2.196 | -2.60502 | -2.59551 | I->F | 07FFFFFF | |
| GTS4KS3 | ●○○○○○○○○○○○○○○○ | S08 | 7.728 | 7.729 | 0.909 | 0.909 | 0.98353 | 0.98374 | I->F | 07FFFFFF | |
| GHFSMU1 | ●○○○○○○○○○○○○○○○ | S08 | 299.579 | 299.074 | 3.329 | 3.323 | 3.42078 | 3.41643 | Hall | 07FFFFFF | |
| GHFSMU1 | ●○○○○○○○○○○○○○○○ | S08 | | | | | 3.42202 | | I>Bl | ---"--- | 0.58075 |
| GHFSMU1_0 | ●○○○○○○○○○○○○○○○ | S08 | 1.098 | | 1.098 | | 0.00000 | | Dmy | FFFFFFFF | Regler abgeglichen |
| GHFSKS1 | ●○○○○○○○○○○○○○○○ | S08 | 0.161 | 0.029 | 0.019 | 0.003 | 0.02047 | 0.00366 | I->F | 07FFFFFF | |
| GHFSQT11 | ●○○○○○○○○○○○○○○○ | S08 | 83.810 | 83.619 | 1.397 | 1.394 | -1.64923 | -1.64518 | I->F | 07FFFFFF | |
| GHFSQT12 | ●○○○○○○○○○○○○○○○ | S08 | 172.820 | 172.630 | 2.880 | 2.877 | 4.04721 | 4.04315 | I->F | 07FFFFFF | |
| GHFSQT13 | ●○○○○○○○○○○○○○○○ | S08 | 137.480 | 137.491 | 2.291 | 2.292 | -2.70200 | -2.70212 | I->F | 07FFFFFF | |
| GHFSKY1 | ●○○○○○○○○○○○○○○○ | S08 | -0.008 | 0.000 | -0.004 | 0.000 | 0.00001 | 0.00000 | I->F | 07FFFFFF | |

SIS-TS-HFS

04. Apr 2014 22:22:20.67

$B\rho_{12} = 8.3871$ Tm

$B\rho_{24} = 6.5488$ Tm

22:52 position on TPC 21+22 was shifted compared to before ~~rebooted 5434~~.

But now again like on p. 78.

TPC21 = -1.0 mm  TPC22 = -1.9 mm

TPC41 = 1.5 mm  TPC42 = 0.0 mm

we go again to 6.8 g/cm² degrade in S2.

Scale

S2-S4: 0.94401 (as before)

put mask for S2 degrade in (6.8 g/cm²)

TPC21 = -1.6  TPC22 = -9.2

TPC41 =  TPC42 =

→ Again we are off !!

We close again the slits to check the position it is at ~ -3 mm.

TPC21 = -1.2  TPC22 = -2.3

TPC41 = -1.5  TPC42 = -3.1

still adjusting the 6.8 degrade

TPC21 = -1.1  TPC22 = -2.2

TPC41 = 1.7  TPC42 = 0.1

TS3EDTVO = -437.7

TS3EDTVU = -437.7

S434_04 $^{58}$Ni, 600 MeV/u

Seetiam S2: 6,8 g/cm² tpc 91 tpc 92 finger

S2: 6.8 g/cm² tpc91 tpc92 centered

04. Apr 2014
23:15:04.70

FS

| A, ζ | MeV/u | B·ρ [Tm] | bis |
|---|---|---|---|
| $^{58}Ni^{26+}$ | 11.274 | 1.0805 | GS08BE2F |
| $^{58}Ni^{26+}$ | 600.000 | 9.0356 | GTS1ET5 |
| $^{58}Ni^{26+}$ | 600.000 | 9.0356 | GTS3ED7L |
| $^{58}Ni^{26+}$ | 600.000 | 9.0356 | Ende |

Magnetwerte/-status für Konsole FS

| | |
|---|---|
| Experimentplatz | HFS |
| Experimentnummer | S434 |
| Beschleuniger | S08 |
| Task | FSMS |
| Version | FSMS |

| Name | AccStatus: ● aktiv ○ inaktiv | Acc | $Strom_{Ist}$ | $Strom_{Soll}$ | $Volt_{Ist}$ | $Volt_{Soll}$ | $B' \cdot l_{Ist}$ | $B' \cdot l_{Soll}$ | Mode | Status | Fehler (Bit 0..15) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GTE1KY1 | ●○○○○○○○○○○○○○○○ | S08 | -21.781 | -21.657 | -2.178 | -2.166 | -0.00992 | -0.00987 | I->F | 07FFFFFF | |
| GTE1QD11 | ●○○○○○○○○○○○○○○○ | S08 | 40.142 | 40.103 | 1.460 | 1.458 | -0.97523 | -0.97494 | I->F | 07FFFFFF | |
| GTE1QD12 | ●○○○○○○○○○○○○○○○ | S08 | 0.126 | 0.308 | 0.005 | 0.011 | 0.01104 | 0.01536 | I->F | 07FFFFFF | |
| GTS1MU1 | ●○○○○○○○○○○○○○○○ | S08 | 543.922 | 544.070 | 4.730 | 4.731 | 1.19205 | 1.19234 | I->F | 07FFFFFF | |
| GTS1MU1_0 | ●○○○○○○○○○○○○○○○ | S08 | 0.002 | | 0.002 | | 0.00000 | | Dmy | FFFFF86 | Regler abgeglichen |
| GTS1KY1 | ○○○○○○○○○○○○○○○○ | S08 | 15.769 | 15.712 | 1.577 | 1.571 | 0.00720 | 0.00718 | I->F | 07FFFFFF | |
| GTS1QD11 | ○○○○○○○○○○○○○○○○ | S08 | 123.627 | 123.660 | 4.121 | 4.122 | 4.77456 | 4.77596 | I->F | 07FFFFFF | |
| GTS1QD12 | ○○○○○○○○○○○○○○○○ | S08 | 134.614 | 134.652 | 4.487 | 4.488 | -5.19802 | -5.20018 | I->F | 07FFFFFF | |
| GTS1MU2 | ○○○○○○○○○○○○○○○○ | S08 | 244.862 | 244.915 | 4.452 | 4.453 | 1.17509 | 1.17517 | I->F | 07FFFFFF | |
| GTS2QT11 | ○○○○○○○○○○○○○○○○ | S08 | 97.159 | 96.987 | 1.619 | 1.616 | -1.90114 | -1.89748 | I->F | 07FFFFFF | |
| GTS2QT12 | ○○○○○○○○○○○○○○○○ | S08 | 231.434 | 231.295 | 3.857 | 3.855 | 5.40253 | 5.39923 | I->F | 07FFFFFF | |
| GTS2QT13 | ○○○○○○○○○○○○○○○○ | S08 | 156.194 | 156.193 | 2.603 | 2.603 | -3.05709 | -3.05711 | I->F | 07FFFFFF | |
| GTS2KS1 | ●○○○○○○○○○○○○○○○ | S08 | 1.790 | 1.808 | 0.211 | 0.213 | 0.22781 | 0.23012 | I->F | 07FFFFFF | |
| GTS3MU1 | ●○○○○○○○○○○○○○○○ | S08 | 384.011 | 383.645 | 4.267 | 4.263 | 4.45448 | 4.38580 | Hall | 07FFFFFF | |
| GTS3MU1 | ●○○○○○○○○○○○○○○○ | S08 | | | | | 4.38933 | | I>Bl | ---"--- | 0.75635 |
| GTS3MU1_0 | ●○○○○○○○○○○○○○○○ | S08 | 0.002 | | 0.002 | | 0.00000 | | Dmy | FFFFFFFF | Regler abgeglichen |
| GTS3KS1 | ●○○○○○○○○○○○○○○○ | S08 | 12.763 | 12.758 | 1.502 | 1.501 | 1.62436 | 1.62379 | I->F | 07FFFFFF | |
| GTS3QD11 | ●○○○○○○○○○○○○○○○ | S08 | 163.646 | 163.432 | 2.727 | 2.724 | -3.20352 | -3.19942 | I->F | 07FFFFFF | |
| GTS3QD12 | ●○○○○○○○○○○○○○○○ | S08 | 102.762 | 102.749 | 1.713 | 1.712 | 2.01164 | 2.01106 | I->F | 07FFFFFF | |
| GTS3QD21 | ●○○○○○○○○○○○○○○○ | S08 | 156.523 | 156.241 | 2.609 | 2.604 | 3.06513 | 3.05964 | I->F | 07FFFFFF | |
| GTS3KY1 | ●○○○○○○○○○○○○○○○ | S08 | 0.020 | 0.000 | 0.009 | 0.000 | 0.00002 | 0.00000 | I->F | 07FFFFFF | |
| GTS3QD22 | ●○○○○○○○○○○○○○○○ | S08 | 176.904 | 176.822 | 2.948 | 2.947 | -3.46511 | -3.46371 | I->F | 07FFFFFF | |
| GTS3KS2 | ●○○○○○○○○○○○○○○○ | S08 | 10.965 | 10.935 | 1.290 | 1.286 | 1.39556 | 1.39176 | I->F | 07FFFFFF | |
| GTS3MU2 | ●○○○○○○○○○○○○○○○ | S08 | 385.632 | 383.833 | 4.285 | 4.265 | -4.40433 | -4.38580 | Hall | 07FFFFFF | |
| GTS3MU2 | ●○○○○○○○○○○○○○○○ | S08 | | | | | -4.40629 | | I>Bl | ---"--- | 0.741774 |
| GTS3KS3 | ●○○○○○○○○○○○○○○○ | S08 | 0.366 | 0.344 | 0.043 | 0.041 | 0.04655 | 0.04383 | I->F | 07FFFFFF | |
| GTS3QT31 | ●○○○○○○○○○○○○○○○ | S08 | 159.508 | 159.243 | 2.658 | 2.654 | -3.13383 | -3.12867 | I->F | 07FFFFFF | |
| GTS3QT32 | ●○○○○○○○○○○○○○○○ | S08 | 256.117 | 256.038 | 4.269 | 4.267 | 5.99480 | 5.99206 | I->F | 07FFFFFF | |
| GTS3KY2 | ●○○○○○○○○○○○○○○○ | S08 | -0.011 | 0.000 | -0.005 | 0.000 | -0.00001 | 0.00000 | I->F | 07FFFFFF | |
| GTS3QT33 | ●○○○○○○○○○○○○○○○ | S08 | 170.403 | 170.138 | 2.840 | 2.836 | -3.34861 | -3.34354 | I->F | 07FFFFFF | |
| GTS4QT11 | ●○○○○○○○○○○○○○○○ | S08 | 125.449 | 125.293 | 2.091 | 2.088 | -2.46415 | -2.46091 | I->F | 07FFFFFF | |
| GTS4KY1 | ●○○○○○○○○○○○○○○○ | S08 | 0.010 | 0.000 | 0.005 | 0.000 | 0.00001 | 0.00000 | I->F | 07FFFFFF | |
| GTS4QT12 | ●○○○○○○○○○○○○○○○ | S08 | 188.220 | 188.187 | 3.137 | 3.136 | 4.41038 | 4.41003 | I->F | 07FFFFFF | |
| GTS4QT13 | ●○○○○○○○○○○○○○○○ | S08 | 116.147 | 116.039 | 1.936 | 1.934 | -2.28541 | -2.28306 | I->F | 07FFFFFF | |
| GTS4KS1 | ●○○○○○○○○○○○○○○○ | S08 | 0.387 | 0.360 | 0.045 | 0.042 | 0.04919 | 0.04578 | I->F | 07FFFFFF | |
| GTS4MU1 | ●○○○○○○○○○○○○○○○ | S08 | 283.676 | 283.530 | 3.152 | 3.150 | -3.23209 | -3.22517 | Hall | 07FFFFFF | |
| GTS4MU1 | ●○○○○○○○○○○○○○○○ | S08 | | | | | -3.22518 | | I>Bl | ---"--- | 0.54874 |
| GTS4KS2 | ●○○○○○○○○○○○○○○○ | S08 | 7.764 | 7.775 | 0.913 | 0.915 | 0.98815 | 0.98953 | I->F | 07FFFFFF | |
| GTS4QD21 | ●○○○○○○○○○○○○○○○ | S08 | 130.595 | 129.977 | 2.177 | 2.166 | -2.56550 | -2.55311 | I->F | 07FFFFFF | |
| GTS4KY2 | ●○○○○○○○○○○○○○○○ | S08 | -0.001 | 0.000 | 0.000 | 0.000 | 0.00000 | 0.00000 | I->F | 07FFFFFF | |
| GTS4QD22 | ●○○○○○○○○○○○○○○○ | S08 | 115.268 | 114.786 | 1.921 | 1.913 | 2.26322 | 2.25346 | I->F | 07FFFFFF | |
| GTS4QD31 | ●○○○○○○○○○○○○○○○ | S08 | 83.535 | 83.069 | 1.392 | 1.384 | 1.63808 | 1.62866 | I->F | 07FFFFFF | |
| GTS4QD32 | ●○○○○○○○○○○○○○○○ | S08 | 124.827 | 124.373 | 2.080 | 2.073 | -2.45925 | -2.45016 | I->F | 07FFFFFF | |
| GTS4KS3 | ●○○○○○○○○○○○○○○○ | S08 | 7.292 | 7.296 | 0.858 | 0.858 | 0.92806 | 0.92863 | I->F | 07FFFFFF | |
| GHFSMU1 | ●○○○○○○○○○○○○○○○ | S08 | 282.852 | 282.351 | 3.143 | 3.137 | 3.22921 | 3.22517 | Hall | 07FFFFFF | |
| GHFSMU1 | ●○○○○○○○○○○○○○○○ | S08 | | | | | 3.23205 | | I>Bl | ---"--- | 0.54825 |
| GHFSMU1_0 | ●○○○○○○○○○○○○○○○ | S08 | 1.096 | | 1.096 | | 0.00000 | | Dmy | FFFFFFFF | Regler abgeglichen |
| GHFSKS1 | ●○○○○○○○○○○○○○○○ | S08 | 0.158 | 0.027 | 0.019 | 0.003 | 0.02014 | 0.00345 | I->F | 07FFFFFF | |
| GHFSQT11 | ●○○○○○○○○○○○○○○○ | S08 | 79.122 | 78.920 | 1.319 | 1.315 | -1.55732 | -1.55309 | I->F | 07FFFFFF | |
| GHFSQT12 | ●○○○○○○○○○○○○○○○ | S08 | 163.170 | 162.967 | 2.720 | 2.716 | 3.82123 | 3.81679 | I->F | 07FFFFFF | |
| GHFSQT13 | ●○○○○○○○○○○○○○○○ | S08 | 129.789 | 129.788 | 2.163 | 2.163 | -2.55099 | -2.55081 | I->F | 07FFFFFF | |
| GHFSKY1 | ●○○○○○○○○○○○○○○○ | S08 | -0.008 | 0.000 | -0.004 | 0.000 | 0.00001 | 0.00000 | I->F | 07FFFFFF | |

SIS-TS-HFS

1. Apr 2014 23:15:04.70

$BP_{12}$ = 8.3871 Tm

$BP_{24}$ = 6.1821 Tm

23.20. We go now to 8 g/cm²

52 - 54 $\frac{5.7499}{6.1821} = 0.92928$

Now we put the 52 matter in.

TPC21 = -1.2 TPC22 = -2.2

TPC41 = 2.2 TPC42 = 0.4

TS3 ED7 V0 = -199.0
TS3 ED7 V0 = -199.0
TS3 ED7 LS = 50.0

Dialid = 7906 mg/cm² offset = -94 mg/cm²

We check now 51 degrade of 2 g/cm²

~~52 - 5~~

51 - 52 : $\frac{7.8837}{8.3871} = 0.9399$

TPC21 : -1.6mm TPC22: -2.9mm

We go only to 52.

offset = 75 mg/cm² as in drives page 7

S434_05 $^{58}$Ni, 600 MeV/u

seetram s2: 8 g/cm² tpc 21 tpc 22 singer sc21

tpc 41 tpc 42

04. Apr 2014
23:34:21.41

FS

| A,ζ | MeV/u | B·ρ [Tm] | bis |
|---|---|---|---|
| $^{58}Ni^{26+}$ | 11.274 | 1.0805 | GS08BE2F |
| $^{58}Ni^{26+}$ | 600.000 | 9.0356 | GTS1ET5 |
| $^{58}Ni^{26+}$ | 600.000 | 9.0356 | GTS3ED7L |
| $^{58}Ni^{26+}$ | 600.000 | 9.0356 | Ende |

Magnetwerte/-status für Konsole FS

| | |
|---|---|
| Experimentplatz | HFS |
| Experimentnummer | S434 |
| Beschleuniger | S08 |
| Task | FSMS |
| Version | FSMS |

| Name | AccStatus: ● aktiv ○ inaktiv | Acc | Strom$_{Ist}$ | Strom$_{Soll}$ | Volt$_{Ist}$ | Volt$_{Soll}$ | B′ · l$_{Ist}$ | B′ · l$_{Soll}$ | Mode | Status | Fehler (Bit 0..15) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GTE1KY1 | ●○○○○○○○○○○○○○○○ | S08 | -21.781 | -21.657 | -2.178 | -2.166 | -0.00992 | -0.00987 | I->F | 07FFFFFF | |
| GTE1QD11 | ●○○○○○○○○○○○○○○○ | S08 | 40.142 | 40.103 | 1.460 | 1.458 | -0.97523 | -0.97494 | I->F | 07FFFFFF | |
| GTE1QD12 | ●○○○○○○○○○○○○○○○ | S08 | 0.126 | 0.308 | 0.005 | 0.011 | 0.01104 | 0.01536 | I->F | 07FFFFFF | |
| GTS1MU1 | ●○○○○○○○○○○○○○○○ | S08 | 543.817 | 544.070 | 4.729 | 4.731 | 1.19182 | 1.19234 | I->F | 07FFFFFF | |
| GTS1MU1_0 | ●●●●●●●●●●●●●●●● | S08 | 0.002 | | 0.002 | | 0.00000 | | Dmy | FFFFFF86 | Regler abgeglichen |
| GTS1KY1 | ○○○○○○○○○○○○○○○○ | S08 | 15.769 | 15.712 | 1.577 | 1.571 | 0.00720 | 0.00718 | I->F | 07FFFFFF | |
| GTS1QD11 | ○○○○○○○○○○○○○○○○ | S08 | 123.554 | 123.660 | 4.118 | 4.122 | 4.77174 | 4.77596 | I->F | 07FFFFFF | |
| GTS1QD12 | ○○○○○○○○○○○○○○○○ | S08 | 134.541 | 134.652 | 4.485 | 4.488 | -5.19519 | -5.20018 | I->F | 07FFFFFF | |
| GTS1MU2 | ○○○○○○○○○○○○○○○○ | S08 | 244.913 | 244.915 | 4.453 | 4.453 | 1.17533 | 1.17517 | I->F | 07FFFFFF | |
| GTS2QT11 | ○○○○○○○○○○○○○○○○ | S08 | 97.159 | 96.987 | 1.619 | 1.616 | -1.90114 | -1.89748 | I->F | 07FFFFFF | |
| GTS2QT12 | ○○○○○○○○○○○○○○○○ | S08 | 231.361 | 231.295 | 3.856 | 3.855 | 5.40082 | 5.39923 | I->F | 07FFFFFF | |
| GTS2QT13 | ○○○○○○○○○○○○○○○○ | S08 | 156.194 | 156.193 | 2.603 | 2.603 | -3.05709 | -3.05711 | I->F | 07FFFFFF | |
| GTS2KS1 | ●●●●●●●●●●●●●●●● | S08 | 1.790 | 1.808 | 0.211 | 0.213 | 0.22781 | 0.23012 | I->F | 07FFFFFF | |
| GTS3MU1 | ●●●●●●●●●●●●●●●● | S08 | 384.066 | 383.645 | 4.267 | 4.263 | 4.45385 | 4.38580 | Hall | 07FFFFFF | 0.75625 |
| GTS3MU1 | ●●●●●●●●●●●●●●●● | S08 | | | | | 4.39153 | | I>Bl | ---"--- | |
| GTS3MU1_0 | ●●●●●●●●●●●●●●●● | S08 | 0.002 | | 0.002 | | 0.00000 | | Dmy | FFFFFFFF | Regler abgeglichen |
| GTS3KS1 | ●●●●●●●●●●●●●●●● | S08 | 12.768 | 12.758 | 1.502 | 1.501 | 1.62502 | 1.62379 | I->F | 07FFFFFF | |
| GTS3QD11 | ●●●●●●●●●●●●●●●● | S08 | 163.646 | 163.432 | 2.727 | 2.724 | -3.20352 | -3.19942 | I->F | 07FFFFFF | |
| GTS3QD12 | ●●●●●●●●●●●●●●●● | S08 | 102.780 | 102.749 | 1.713 | 1.712 | 2.01200 | 2.01106 | I->F | 07FFFFFF | |
| GTS3QD21 | ●●●●●●●●●●●●●●●● | S08 | 156.523 | 156.241 | 2.609 | 2.604 | 3.06513 | 3.05964 | I->F | 07FFFFFF | |
| GTS3KY1 | ●●●●●●●●●●●●●●●● | S08 | 0.020 | 0.000 | 0.009 | 0.000 | 0.00002 | 0.00000 | I->F | 07FFFFFF | |
| GTS3QD22 | ●●●●●●●●●●●●●●●● | S08 | 176.885 | 176.822 | 2.948 | 2.947 | -3.46475 | -3.46371 | I->F | 07FFFFFF | |
| GTS3KS2 | ●●●●●●●●●●●●●●●● | S08 | 10.963 | 10.935 | 1.290 | 1.286 | 1.39523 | 1.39176 | I->F | 07FFFFFF | |
| GTS3MU2 | ●●●●●●●●●●●●●●●● | S08 | 385.632 | 383.833 | 4.285 | 4.265 | -4.40433 | -4.38580 | Hall | 07FFFFFF | 0.74774 |
| GTS3MU2 | ●●●●●●●●●●●●●●●● | S08 | | | | | -4.40598 | | I>Bl | ---"--- | |
| GTS3KS3 | ●●●●●●●●●●●●●●●● | S08 | 0.366 | 0.344 | 0.043 | 0.041 | 0.04655 | 0.04383 | I->F | 07FFFFFF | |
| GTS3QT31 | ●●●●●●●●●●●●●●●● | S08 | 159.508 | 159.243 | 2.658 | 2.654 | -3.13383 | -3.12867 | I->F | 07FFFFFF | |
| GTS3QT32 | ●●●●●●●●●●●●●●●● | S08 | 256.117 | 256.038 | 4.269 | 4.267 | 5.99480 | 5.99206 | I->F | 07FFFFFF | |
| GTS3KY2 | ●●●●●●●●●●●●●●●● | S08 | -0.001 | 0.000 | 0.000 | 0.000 | 0.00000 | 0.00000 | I->F | 07FFFFFF | |
| GTS3QT33 | ●●●●●●●●●●●●●●●● | S08 | 170.385 | 170.138 | 2.840 | 2.836 | -3.34825 | -3.34354 | I->F | 07FFFFFF | |
| GTS4QT11 | ●●●●●●●●●●●●●●●● | S08 | 116.514 | 116.424 | 1.942 | 1.940 | -2.28884 | -2.28687 | I->F | 07FFFFFF | |
| GTS4KY1 | ●●●●●●●●●●●●●●●● | S08 | 0.010 | 0.000 | 0.005 | 0.000 | 0.00001 | 0.00000 | I->F | 07FFFFFF | |
| GTS4QT12 | ●●●●●●●●●●●●●●●● | S08 | 174.963 | 174.874 | 2.916 | 2.915 | 4.09985 | 4.09815 | I->F | 07FFFFFF | |
| GTS4QT13 | ●●●●●●●●●●●●●●●● | S08 | 107.962 | 107.819 | 1.799 | 1.797 | -2.12466 | -2.12160 | I->F | 07FFFFFF | |
| GTS4KS1 | ●●●●●●●●●●●●●●●● | S08 | 0.358 | 0.334 | 0.042 | 0.039 | 0.04556 | 0.04254 | I->F | 07FFFFFF | |
| GTS4MU1 | ●●●●●●●●●●●●●●●● | S08 | 263.735 | 263.540 | 2.930 | 2.928 | -3.00453 | -2.99708 | Hall | 07FFFFFF | 0.51004 |
| GTS4MU1 | ●●●●●●●●●●●●●●●● | S08 | | | | | -2.99733 | | I>Bl | ---"--- | |
| GTS4KS2 | ●●●●●●●●●●●●●●●● | S08 | 7.214 | 7.225 | 0.849 | 0.850 | 0.91816 | 0.91955 | I->F | 07FFFFFF | |
| GTS4QD21 | ●●●●●●●●●●●●●●●● | S08 | 121.421 | 120.778 | 2.024 | 2.013 | -2.38552 | -2.37256 | I->F | 07FFFFFF | |
| GTS4KY2 | ●●●●●●●●●●●●●●●● | S08 | -0.001 | 0.000 | 0.000 | 0.000 | 0.00000 | 0.00000 | I->F | 07FFFFFF | |
| GTS4QD22 | ●●●●●●●●●●●●●●●● | S08 | 107.138 | 106.656 | 1.786 | 1.778 | 2.10388 | 2.09410 | I->F | 07FFFFFF | |
| GTS4QD31 | ●●●●●●●●●●●●●●●● | S08 | 77.639 | 77.176 | 1.294 | 1.286 | 1.52279 | 1.51348 | I->F | 07FFFFFF | |
| GTS4QD32 | ●●●●●●●●●●●●●●●● | S08 | 116.019 | 115.560 | 1.934 | 1.926 | -2.28614 | -2.27688 | I->F | 07FFFFFF | |
| GTS4KS3 | ●●●●●●●●●●●●●●●● | S08 | 6.778 | 6.780 | 0.797 | 0.798 | 0.86269 | 0.86296 | I->F | 07FFFFFF | |
| GHFSMU1 | ●●●●●●●●●●●●●●●● | S08 | 262.691 | 262.401 | 2.919 | 2.916 | 3.00146 | 2.99708 | Hall | 07FFFFFF | 0.50955 |
| GHFSMU1 | ●●●●●●●●●●●●●●●● | S08 | | | | | 3.00131 | | I>Bl | ---"--- | |
| GHFSMU1_0 | ●●●●●●●●●●●●●●●● | S08 | 1.098 | | 1.098 | | 0.00000 | | Dmy | FFFFFFFF | Regler abgeglichen |
| GHFSKS1 | ●●●●●●●●●●●●●●●● | S08 | 0.156 | 0.025 | 0.018 | 0.003 | 0.01981 | 0.00321 | I->F | 07FFFFFF | |
| GHFSQT11 | ●●●●●●●●●●●●●●●● | S08 | 73.519 | 73.315 | 1.225 | 1.222 | -1.44748 | -1.44326 | I->F | 07FFFFFF | |
| GHFSQT12 | ●●●●●●●●●●●●●●●● | S08 | 151.634 | 151.447 | 2.527 | 2.524 | 3.55104 | 3.54687 | I->F | 07FFFFFF | |
| GHFSQT13 | ●●●●●●●●●●●●●●●● | S08 | 120.579 | 120.601 | 2.010 | 2.010 | -2.37017 | -2.37042 | I->F | 07FFFFFF | |
| GHFSKY1 | ●●●●●●●●●●●●●●●● | S08 | -0.008 | 0.000 | -0.004 | 0.000 | 0.00001 | 0.00000 | I->F | 07FFFFFF | |

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$BP_{12}$ = 8.3871 Tm

$BP_{34}$ = 5.7449 Tm