

Thursday 14 November 2013

Wagner Memorial Tour in the Fanoel Lutheran Secondary School - Audio (09:00-10:00)

Scientific Tour nearby the Fanoel Lutheran Secondary School - In front of the (10:00-11:00)

Transport in the Wagner HCP of the HHS and the Wagner Datacenter - In front of the (11:00-12:00)

Visit of the Wagner Datacenter - Panoramic Conference Hall, 2nd floor, 208 (12:00-12:30)

Welcome by the Chairs - Panoramic Conference Room, 2nd floor, 208 (12:30-12:50)

Reception at the Panoramic Conference Room - Panoramic Conference Room, 2nd floor, 208 (12:50-14:00)

Inauguration of the Wagner Signature - In front of the (14:00-14:20)

Lieber Platz

das Auge (mein Auge)
 sieht keinen Unterschied,
 also kann es laufen z.B.
 bis 10^6 oder Montag.

Gruß
 Berthel

Mail mir Deine Mail-Adresse

Meine: spiering@uni-mainz.de

17 Nov 2013

13⁸⁵

elapsed time

35.43

stopped

cp5

6038

Cursor 1

798453

Cursor 2

799786

MS - fas - iron - 2013 nov 17

17a

niedergerundet, keine Änderung in cursor counts ??

18 Nov 2013

9²⁰

elapsed time

1.53

stopped

Cursor 1

42704

Cursor 2

42449

MS - fas - iron - 2013 nov 18

18 Nov 2013 9²⁵

restart program

⇒ elapsed time 18.14

Cursor 1 ~4065000

Cursor 2 ~407000

HS-fas-iron-2013 nov 18 a

saved HS-fas-iron-2013 nov 18 b

@ 16:32

absorber replaced by the single line PFC

@ nov 18 16:44

20 Nov 2013 11³⁰

elapsed time 42:55

drive frequency 12 Hz

Cursor 1 1150926

Cursor 2 1154108

reduce frequency to 6 Hz; ~~inter~~ count rate

PHA 5.3 kHz

MCS 7.4 kHz

L+N: 890 Hz

22 Nov 2013 10¹⁵

stop, save HS-pfc-iron-2013 nov 22.5 pm

elapsed time 46.28

Cursor 1: 1243595 Cursor 2: 1242113

PHA: 5.3 kHz / 510 Hz

MCS: 7.8 kHz / 840 Hz

with Ni

22 Nov 2013 10⁵⁰

(5)

2x MCS spectra, each 5 Min:

1 with Ni : 2013nov22-5g - ~~Ni~~ ^{5min-Ni}

1 w/o Ni : 2013 nov 22-5g ~~5min~~

22 Nov 2013 11⁰¹

back to Mohr's salt

- smaller pinhole ϕ 8mm

\rightarrow count rate decreases

\rightarrow window shifted in PHA

old window: 1380 - 2220

new window: 1480 - 3000

\sim 3.2 kHz 4.10 kHz

11.9% 380 Hz 560 Hz 13.6%
PHA MCS

start at 11³⁵

24 Nov 2013 10⁵⁰

HS-fas-30deg-iron-2013nov24a.spc

elapsed: 47:14 Curran 1 679883 Curran 2 678385

HS-fas-30deg-iron-2013nov24b.spc

24 Nov 2013

14⁰⁰

- 10 mm Blender

- Magnetfeldkath fixiert

- Magnetfeldkath - ~~flap~~ ca. 5° gedreht

Zählrohr

MCS

PHA

5.5 kHz

4.3 kHz

ohne Ni

12.5%

690 Hz

460 Hz

10.7%

mit Ni

neues Fenster: 1380 - 2970 mV

Zählrohr

MCS

PHA

5.5 kHz

4.3 kHz

ohne Ni

13.3%

730 Hz

480 Hz

11.1%

mit Ni

15⁴⁵

8 mm

pinhole:

Fenster 1500 ... 3000 mV

MCS

PHA

4.1 kHz

3.25 kHz

ohne Ni

17.1% 560 Hz

350 Hz

14.7%

mit Ni

15⁵⁰

Start

25 Nov 2013

10³⁰

HS - Fas. 30 deg - ivon - 2013 nov 25 a. spm

16³⁵

HS - Fas. 30 deg - ivon - 2013 nov 25 a. spm

26 Nov 2013

8²⁵

26 a

18⁴⁵

26 . spm

27 Nov 2013

10¹⁰

27 a

16⁵⁰

27 . spm

28 Nov 2013

15³⁰

28 . spm

2013 Nov 28

Background measurement:

2 min MCS no Ni : HS-fas-30deg-iron-2013Nov28-5g.spm

1 min MCS with Ni :

-----Ni.spm

MS auf 0° gebracht ("12:00")

2 min MCS no Ni : HS-fas-0deg-iron-2013Nov28-5g.spm

2 min MCS with Ni :

-----Ni.spm

16:05 Start

2013 Dec 04 stop 137:02 hours

9:10 Cursors ~ 1,930 000

HS-fas-0deg-iron-2013 dec 04.spm

2013 Dec 04/9:15 turn MS to 60° ("14:00")

1500-3100 eV PHA

MCS

11.9% < 3.1 kHz
370 kHz

4-4.1 kHz no Ni

580 kHz with Ni

14.3% 2013 dec 04-

Background: HS-fas-60deg-iron-5g-Ni.spm

(2 min.)

HS-fas-60deg-iron-2013 dec 04-5g.spm

9:30 Start

2013 Dec 05 / 9:30 HS-fas-60deg-iron-2013 dec 05 a.spm

20:05

2013 Dec 06 8:50

17:00

2013 Dec 07 9:00

Dec 08 10:15

5.spm

06 a.spm

65

07 a

08

2013 Dec 08

6

11⁰⁰ Turn fas to 90°-position (\approx '03:00')

PHA

MCS

3.2 kHz

4.05 kHz w. Ni

360 Hz

560 Hz with Ni

PHA - window: 1500 - 3100 mV

error signal

6 Hz

Bild 0216

A: 200 mV/164

B: 10 mV/164

1%

12 Hz

Bild 0219

1%

on slope smaller error

18 Hz

Bild 0221

1%

wave (?) on slope

22 Hz

Bild 0223

wave!

1%

15 Hz

Bild 0225

be k

1%

13 Hz

Bild 0227

1%

11 Hz

Bild 0229

high frequency beyond?

1%

12 Hz

Bild 0231

frequency response finally

1% 0233

"D"

2013 Dec 08

(7)

12:20 start MB - spectrum
fas at 90°

2013 Dec 09

17¹⁰

HS-fas-90deg-iron-2013dec09a.spm

2013 Dec 10

9³⁰

10a.spm

2013 Dec 11

7:30

11a.spm

2013 Dec 12

2013dec

11:25 HS-fas-90deg-iron-12.spm

end 94:58

current: 1.311

2013 Dec 12

Single line absorber marked / window 1500...3100nm ✓

PM4

MCS

3.6kHz

4.6kHz

390 Hz

560 Hz

11⁴⁵

start

2013 Dec 13 18²⁵ HS-pfe-iron-2013dec13.spm

2013 Dec 16 10⁵⁰

16a.spm

16.spm

From source clockwise to "old" position

(8)

2013 Dec 16

MCS

PHA

4.5 kHz

3.6 kHz

570 kHz

380 kHz

mit Ni

11⁰⁰ Start

PAUNT

3.6 kHz

3.6 kHz

3.6 kHz