

First shifts Friday Feb. 7th day+night

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Principal investigator (FWKP): Sergey Kovalev

Proposal number: 20101867-ST

Start date: 2020-02-07 06:31:18 +0100

List of used frequencies [THz]: 0.7

Frequency 1: 0.7

Default object type: EXPERIMENTAL_STEP_TELBE_LOG

Medo Bawatna: true

Min Chen: true

Jan-Christoph Deinert: true

Igor Ilyakov: true

Sergey Kovalev: true

Additional authors: Hao Chu

Detailed description: 6:30

night team is improving sample mounting due to suspected bad thermal contact. Used indium wire to improve thermal contact between cold finger and sample holder

7:40

started cooling sample again after pressure in magnet reached $1.2e-7$ mbar (took ca. 30 min)Do first scan at 40 K with LSCO(x=0.3), **file 008_EOS**

8:11

set 5K temperature, file: **009_EOS**, BDA power is 130 mW.repeat with slightly higher He flow **file 010**

8:30

Suspect that full THz power is heating the sample too much. reduce power by putting rotatable polarizer before last polarizer. Set rotatable polarizer to ca. 45° .This is 50° on the polarizer scale facing the experiment.**file 011**

→ the phase shift is now comparable to previous measurements

8:55

repeat measurement at 40 K with reduced THz power.set 5K temperature, file: **012_EOS**, BDA power is 130 mW

9:10

phase shifts are now comparable to earlier experiments in optical cryostat. Decide to do temperature dependence now with reduced THz power. start with lowest possible temperature: 4.15 K at cold finger. Wait for 5 min to have temperature stabilize. also moved sample slightly further in to center green laser on aperture

→ it seems that cryostat is still contracting due to cooldown.

file 013

+++++



+++++

9:35

set temperature to 7.5 K

file 014

10:00

set temperature to 10 K, wait for 5 min to equilibrate. Centered sample again slightly to have green laser going centrally through aperture.

file 015

10:20

set temperature to 12.5 K, wait for 5 min to equilibrate. Sample does not visibly move now anymore inside cryostat.

file 016

10:40

set temperature to 15 K, wait for 5 min to equilibrate. Sample does not visibly move now anymore inside cryostat.

file 017

11:00

set temperature to 17.5 K, wait for 5 min to equilibrate. Sample moved very slightly in cryostat. Compensated this by moving back to the center of the aperture.

file 018

11:20

set temperature to 20 K, wait for 5 min to equilibrate.

file 019

11:38

set temperature to 22.5 K, wait for 4 min to equilibrate.

file 020

11:55

set temperature to 25 K, wait for 5 min to equilibrate.

file 021

12:05

set temperature to 27.5 K, wait for 5 min to equilibrate.

file 022

12:25: power had dropped to 104 mW now. Ask operators to quickly optimize to > 110 mW

set temperature to 30 K

Power BDA now at 120 mW again

set temperature to 30 K,

file 023

set temperature to 33 K,

file 024

set temperature to 36 K,

file 025

13:20

set temperature to 40 K, power BDA is at 128 mW now.

file 026

14:00

set temperature to 45 K.

file 027

14:25

set temperature to 50 K.

file 028

14:50

set temperature to 60 K.

file 029

15:20

set temperature to 70 K.

file 030

15:45

set temperature to 100 K.

file 031

16:10

set temperature to 150 K.

file 032

16:40

set temperature to 5 K.

turn on magnetic field, ramp to 10 T.

17:45

set temperature to 40 K.

file 033

18:20

set temperature to 4 K.

file 034

18:34

set temperature to 20 K.

file 035

18:47
set temperature to 4 K.
file 036

19:40
set temperature to 4 K.
file 037

Beam was off for the last two loops. Only the first and the second one are usable.

21:30 – SK: found that windows are covered with water – put N2 purging

Refilled the nitrogen,

beam is back, ramped the magnet to 10T, optimized the EOS

07.02.2020 23:00 – started the measurements , 5K, 10T, file: 38 – used nitrogen purgin on the windows

23:33 – measurement condition: T = 10K, H = 10T; file – 39, number of loops – 3.

23:50 – measurement condition: T = 15K, H = 10T; file – 40, number of loops – 3.

07.02.2020 00:05 – measurement condition: T = 20K, H = 10T; file – 41, number of loops – 3.

00:25 – measurement condition: T = 25K, H = 10T; file – 42, number of loops – 3.

00:45 – measurement condition: T = 30K, H = 10T; file – 43, number of loops – 3.

01:05 – measurement condition: T = 35K, H = 10T; file – 44, number of loops – 3.

01:25 – measurement condition: T = 40K, H = 10T; file – 45, number of loops – 3.

01:48 – measurement condition: T = 45K, H = 10T; file – 46, number of loops – 3.

02:10 – measurement condition: T = 50K, H = 10T; file – 47, number of loops – 3.

02:30 – measurement condition: T = 60K, H = 10T; file – 48, number of loops – 3.

02:45 – measurement condition: T = 70K, H = 10T; file – 49, number of loops – 3.

03:05 – measurement condition: T = 100K, H = 10T; file – 50, number of loops – 3.

03:25 – measurement condition: T = 150K, H = 10T; file – 51, number of loops – 3.

Field dependence measurements:

04:01 – measurement condition: T = 4.9K, H = 9T; file – 52, number of loops – 3.

04:20 – measurement condition: T = 5K, H = 8T; file – 53, number of loops – 3.

04:40 – measurement condition: T = 5K, H = 7T; file – 54, number of loops – 3.

05:00 – measurement condition: T = 5K, H = 6T; file – 55, number of loops – 3.

05:17 – measurement condition: T = 5K, H = 5T; file – 56, number of loops – 3.

05:34 – measurement condition: T = 5K, H = 4T; file – 57, number of loops – 3.

05:50 – measurement condition: T = 5K, H = 3T; file – 58, number of loops – 3.

06:06 – measurement condition: T = 5K, H = 2T; file – 59, number of loops – 3.

06:23 – measurement condition: T = 5K, H = 1T; file – 60, number of loops – 3.

Log entry
overview
(automatically
generated):

Log for Filename **008_EOS_700GHz_2100GHz_sample1_40K**

- Start date: 2020-02-07 07:58:17 +0100
- End date: 2020-02-07 08:07:47 +0100
- Power BDA [mW]: 125.0
- Sample temperature [K]: 40.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; full power; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in; Temperature 40K;

Log for Filename **009_EOS_700GHz_2100GHz_sample1_5K**

- Start date: 2020-02-07 08:11:06 +0100
- End date: 2020-02-07 08:20:42 +0100

- Power BDA [mW]: 124.0
- Sample temperature [K]: 40.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; full power; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in; Temperature 5K;

Log for Filename **010_EOS_700GHz_2100GHz_sample1_5K**

- Start date: 2020-02-07 08:20:56 +0100
- End date: 2020-02-07 08:30:30 +0100
- Power BDA [mW]: 124.0
- Sample temperature [K]: 40.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; full power; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in; Temperature 5K;

Log for Filename **011_EOS_700GHz_2100GHz_sample1_5K**

- Start date: 2020-02-07 08:33:48 +0100
- End date: 2020-02-07 08:43:25 +0100
- Power BDA [mW]: 115.0
- Sample temperature [K]: 40.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in; Temperature 5K;

Log for Filename **012_EOS_700GHz_2100GHz_sample1_40K**

- Start date: 2020-02-07 08:55:33 +0100
- End date: 2020-02-07 09:05:05 +0100
- Power BDA [mW]: 119.0
- Sample temperature [K]: 40.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0

- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **013_EOS_700GHz_2100GHz_sample1_4K**

- Start date: 2020-02-07 09:21:51 +0100
- End date: 2020-02-07 09:31:26 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 4.15
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **014_EOS_700GHz_2100GHz_sample1_7p5K**

- Start date: 2020-02-07 09:43:33 +0100
- End date: 2020-02-07 09:53:09 +0100
- Power BDA [mW]: 114.0
- Sample temperature [K]: 7.5
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **015_EOS_700GHz_2100GHz_sample1_10K**

- Start date: 2020-02-07 10:07:57 +0100
- End date: 2020-02-07 10:17:33 +0100
- Power BDA [mW]: 117.0
- Sample temperature [K]: 10.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 2

- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **016_EOS_700GHz_2100GHz_sample1_12p5K**

- Start date: 2020-02-07 10:26:56 +0100
- End date: 2020-02-07 10:36:29 +0100
- Power BDA [mW]: 115.0
- Sample temperature [K]: 12.5
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **017_EOS_700GHz_2100GHz_sample1_15K**

- Start date: 2020-02-07 10:49:04 +0100
- End date: 2020-02-07 10:58:35 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 15.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **018_EOS_700GHz_2100GHz_sample1_17p5K**

- Start date: 2020-02-07 11:06:02 +0100
- End date: 2020-02-07 11:15:34 +0100
- Power BDA [mW]: 109.0
- Sample temperature [K]: 17.5
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **019_EOS_700GHz_2100GHz_sample1_20K**

- Start date: 2020-02-07 11:24:25 +0100

- End date: 2020-02-07 11:33:59 +0100
- Power BDA [mW]: 97.0
- Sample temperature [K]: 20.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **020_EOS_700GHz_2100GHz_sample1_22p5K**

- Start date: 2020-02-07 11:42:07 +0100
- End date: 2020-02-07 11:51:40 +0100
- Power BDA [mW]: 105.0
- Sample temperature [K]: 22.5
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **021_EOS_700GHz_2100GHz_sample1_25K**

- Start date: 2020-02-07 11:57:34 +0100
- End date: 2020-02-07 12:07:10 +0100
- Power BDA [mW]: 106.0
- Sample temperature [K]: 25.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **022_EOS_700GHz_2100GHz_sample1_27p5K**

- Start date: 2020-02-07 12:12:18 +0100
- End date: 2020-02-07 12:21:47 +0100
- Power BDA [mW]: 107.0
- Sample temperature [K]: 27.5
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence

- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **023_EOS_700GHz_2100GHz_sample1_30K**

- Start date: 2020-02-07 12:31:52 +0100
- End date: 2020-02-07 12:45:53 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 30.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **024_EOS_700GHz_2100GHz_sample1_33K**

- Start date: 2020-02-07 12:50:07 +0100
- End date: 2020-02-07 13:04:08 +0100
- Power BDA [mW]: 128.0
- Sample temperature [K]: 33.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **025_EOS_700GHz_2100GHz_sample1_36K**

- Start date: 2020-02-07 13:08:10 +0100
- End date: 2020-02-07 13:22:08 +0100
- Power BDA [mW]: 111.0
- Sample temperature [K]: 36.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70

- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **026_EOS_700GHz_2100GHz_sample1_40K**

- Start date: 2020-02-07 13:29:39 +0100
- End date: 2020-02-07 13:43:38 +0100
- Power BDA [mW]: 128.0
- Sample temperature [K]: 40.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **027_EOS_700GHz_2100GHz_sample1_45K**

- Start date: 2020-02-07 14:07:48 +0100
- End date: 2020-02-07 14:21:48 +0100
- Power BDA [mW]: 125.0
- Sample temperature [K]: 45.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **028_EOS_700GHz_2100GHz_sample1_50K**

- Start date: 2020-02-07 14:29:17 +0100
- End date: 2020-02-07 14:43:20 +0100
- Power BDA [mW]: 125.0
- Sample temperature [K]: 50.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **029_EOS_700GHz_2100GHz_sample1_60K**

- Start date: 2020-02-07 15:00:20 +0100
- End date: 2020-02-07 15:14:24 +0100
- Power BDA [mW]: 127.0
- Sample temperature [K]: 50.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **030_EOS_700GHz_2100GHz_sample1_70K**

- Start date: 2020-02-07 15:20:49 +0100
- End date: 2020-02-07 15:34:49 +0100
- Power BDA [mW]: 125.0
- Sample temperature [K]: 70.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **031_EOS_700GHz_2100GHz_sample1_100K**

- Start date: 2020-02-07 15:44:06 +0100
- End date: 2020-02-07 16:02:43 +0100
- Power BDA [mW]: 123.0
- Sample temperature [K]: 100.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 4
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **032_EOS_700GHz_2100GHz_sample1_150K**

- Start date: 2020-02-07 16:12:45 +0100
- End date: 2020-02-07 16:36:11 +0100
- Power BDA [mW]: 126.0
- Sample temperature [K]: 150.0

- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 5
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); no magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **033_EOS_700GHz_2100GHz_10Telsa_sample1_40K**

- Start date: 2020-02-07 18:00:46 +0100
- End date: 2020-02-07 18:10:48 +0100
- Power BDA [mW]: 127.0
- Sample temperature [K]: 40.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **034_EOS_700GHz_2100GHz_10Telsa_sample1_5K**

- Start date: 2020-02-07 18:19:48 +0100
- End date: 2020-02-07 18:29:08 +0100
- Power BDA [mW]: 122.0
- Sample temperature [K]: 5.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **035_EOS_700GHz_2100GHz_10Telsa_sample1_20K**

- Start date: 2020-02-07 18:34:46 +0100
- End date: 2020-02-07 18:44:05 +0100
- Power BDA [mW]: 123.0
- Sample temperature [K]: 20.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0

- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **036_EOS_700GHz_2100GHz_10Telsa_sample1_4K**

- Start date: 2020-02-07 18:49:36 +0100
- End date: 2020-02-07 19:08:13 +0100
- Power BDA [mW]: 122.0
- Sample temperature [K]: 20.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 4
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **036_EOS_700GHz_2100GHz_10Telsa_sample1_4K**

- Start date: 2020-02-07 19:12:03 +0100
- End date: 2020-02-07 19:21:21 +0100
- Power BDA [mW]: 122.0
- Sample temperature [K]: 20.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **037_EOS_700GHz_2100GHz_10Telsa_sample1_10K**

- Start date: 2020-02-07 19:33:36 +0100
- End date: 2020-02-07 20:01:23 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 10.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 6

- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **038_EOS_700GHz_2100GHz_10Telsa_sample1_5K**

- Start date: 2020-02-07 23:05:19 +0100
- End date: 2020-02-07 23:29:40 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 5.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 6
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **039_EOS_700GHz_2100GHz_10Telsa_sample1_10K**

- Start date: 2020-02-07 23:33:41 +0100
- End date: 2020-02-07 23:47:42 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 10.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **040_EOS_700GHz_2100GHz_10Telsa_sample1_15K**

- Start date: 2020-02-07 23:50:47 +0100
- End date: 2020-02-08 00:04:46 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 15.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **041_EOS_700GHz_2100GHz_10Telsa_sample1_20K**

- Start date: 2020-02-08 00:07:35 +0100

- End date: 2020-02-08 00:21:34 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 20.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **042_EOS_700GHz_2100GHz_10Telsa_sample1_25K**

- Start date: 2020-02-08 00:25:23 +0100
- End date: 2020-02-08 00:39:22 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 25.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **043_EOS_700GHz_2100GHz_10Telsa_sample1_30K**

- Start date: 2020-02-08 00:44:40 +0100
- End date: 2020-02-08 00:58:37 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 30.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **044_EOS_700GHz_2100GHz_10Telsa_sample1_35K**

- Start date: 2020-02-08 01:05:23 +0100
- End date: 2020-02-08 01:19:20 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 35.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence

- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **045_EOS_700GHz_2100GHz_10Telsa_sample1_40K**

- Start date: 2020-02-08 01:25:43 +0100
- End date: 2020-02-08 01:39:43 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 40.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **046_EOS_700GHz_2100GHz_10Telsa_sample1_45K**

- Start date: 2020-02-08 01:48:08 +0100
- End date: 2020-02-08 02:02:08 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 45.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **047_EOS_700GHz_2100GHz_10Telsa_sample1_50K**

- Start date: 2020-02-08 02:08:09 +0100
- End date: 2020-02-08 02:22:07 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 50.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70

- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **048_EOS_700GHz_2100GHz_10Telsa_sample1_60K**

- Start date: 2020-02-08 02:27:30 +0100
- End date: 2020-02-08 02:41:28 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 60.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **049_EOS_700GHz_2100GHz_10Telsa_sample1_70K**

- Start date: 2020-02-08 02:46:06 +0100
- End date: 2020-02-08 03:00:08 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 70.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **050_EOS_700GHz_2100GHz_10Telsa_sample1_100K**

- Start date: 2020-02-08 03:05:20 +0100
- End date: 2020-02-08 03:19:20 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 100.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **051_EOS_700GHz_2100GHz_10Telsa_sample1_150K**

- Start date: 2020-02-08 03:26:03 +0100
- End date: 2020-02-08 03:40:06 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 150.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in;

Log for Filename **052_EOS_700GHz_2100GHz_9Telsa_sample1_5K**

- Start date: 2020-02-08 04:01:27 +0100
- End date: 2020-02-08 04:15:25 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 5.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in; Field set to 9T;

Log for Filename **053_EOS_700GHz_2100GHz_8Telsa_sample1_5K**

- Start date: 2020-02-08 04:20:12 +0100
- End date: 2020-02-08 04:34:15 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 5.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in; Field set to 9T;

Log for Filename **054_EOS_700GHz_2100GHz_7Telsa_sample1_5K**

- Start date: 2020-02-08 04:39:56 +0100
- End date: 2020-02-08 04:53:54 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 5.0

- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in; Field set to 7T;

Log for Filename **055_EOS_700GHz_2100GHz_6Telsa_sample1_5K**

- Start date: 2020-02-08 05:01:33 +0100
- End date: 2020-02-08 05:15:30 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 5.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in; Field set to 6T;

Log for Filename **056_EOS_700GHz_2100GHz_5Telsa_sample1_5K**

- Start date: 2020-02-08 05:17:40 +0100
- End date: 2020-02-08 05:31:42 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 5.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in; Field set to 5T;

Log for Filename **057_EOS_700GHz_2100GHz_4Telsa_sample1_5K**

- Start date: 2020-02-08 05:34:08 +0100
- End date: 2020-02-08 05:48:07 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 5.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0

- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in; Field set to 4T;

Log for Filename **058_EOS_700GHz_2100GHz_3Telsa_sample1_5K**

- Start date: 2020-02-08 05:50:24 +0100
- End date: 2020-02-08 06:04:21 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 5.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in; Field set to 3T;

Log for Filename **059_EOS_700GHz_2100GHz_2Telsa_sample1_5K**

- Start date: 2020-02-08 06:06:33 +0100
- End date: 2020-02-08 06:20:31 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 5.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3
- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample1 in; Field set to 2T;

Log for Filename **060_EOS_700GHz_2100GHz_1Telsa_sample1_5K**

- Start date: 2020-02-08 06:22:42 +0100
- End date: 2020-02-08 06:36:40 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 5.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: temperature dependence
- THz polarizer angle [deg]: 45.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 91.5
- Stage 1 number of steps: 70
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 3

- Notes: EOS with 2mm ZnTe; LSCO(x=0.30); 10T magnet; gain 100 - replaced Det100 detectors to reach higher compensation; power reduced by putting polarizer at ca. 45deg; THz pol. vertical on sample; used 2x700 GHz filters; used 1x2100 GHz filter; put the sample in; Field set to 1T;

EXPERIMENTAL_STEP_TELBE_LOG: EXP_TELBE_LOG-
 1156(008_EOS_700GHz_2100GHz_sample1_40K), EXP_TELBE_LOG-
 1157(009_EOS_700GHz_2100GHz_sample1_5K), EXP_TELBE_LOG-
 1158(010_EOS_700GHz_2100GHz_sample1_5K), EXP_TELBE_LOG-
 1159(011_EOS_700GHz_2100GHz_sample1_5K), EXP_TELBE_LOG-
 1160(012_EOS_700GHz_2100GHz_sample1_40K), EXP_TELBE_LOG-
 1161(013_EOS_700GHz_2100GHz_sample1_4K), EXP_TELBE_LOG-
 1162(014_EOS_700GHz_2100GHz_sample1_7p5K), EXP_TELBE_LOG-
 1163(015_EOS_700GHz_2100GHz_sample1_10K), EXP_TELBE_LOG-
 1164(016_EOS_700GHz_2100GHz_sample1_12p5K), EXP_TELBE_LOG-
 1165(017_EOS_700GHz_2100GHz_sample1_15K), EXP_TELBE_LOG-
 1166(018_EOS_700GHz_2100GHz_sample1_17p5K), EXP_TELBE_LOG-
 1167(019_EOS_700GHz_2100GHz_sample1_20K), EXP_TELBE_LOG-
 1168(020_EOS_700GHz_2100GHz_sample1_22p5K), EXP_TELBE_LOG-
 1169(021_EOS_700GHz_2100GHz_sample1_25K), EXP_TELBE_LOG-
 1170(022_EOS_700GHz_2100GHz_sample1_27p5K), EXP_TELBE_LOG-
 1171(023_EOS_700GHz_2100GHz_sample1_30K), EXP_TELBE_LOG-
 1172(024_EOS_700GHz_2100GHz_sample1_33K), EXP_TELBE_LOG-
 1173(025_EOS_700GHz_2100GHz_sample1_36K), EXP_TELBE_LOG-
 1174(026_EOS_700GHz_2100GHz_sample1_40K), EXP_TELBE_LOG-
 1175(027_EOS_700GHz_2100GHz_sample1_45K), EXP_TELBE_LOG-
 1176(028_EOS_700GHz_2100GHz_sample1_50K), EXP_TELBE_LOG-
 1177(029_EOS_700GHz_2100GHz_sample1_60K), EXP_TELBE_LOG-
 1178(030_EOS_700GHz_2100GHz_sample1_70K), EXP_TELBE_LOG-
 1179(031_EOS_700GHz_2100GHz_sample1_100K), EXP_TELBE_LOG-
 1180(032_EOS_700GHz_2100GHz_sample1_150K), EXP_TELBE_LOG-
 1181(033_EOS_700GHz_2100GHz_10Telsa_sample1_40K), EXP_TELBE_LOG-
 1182(034_EOS_700GHz_2100GHz_10Telsa_sample1_5K), EXP_TELBE_LOG-
 1183(035_EOS_700GHz_2100GHz_10Telsa_sample1_20K), EXP_TELBE_LOG-
 1184(036_EOS_700GHz_2100GHz_10Telsa_sample1_4K), EXP_TELBE_LOG-
 1185(036_EOS_700GHz_2100GHz_10Telsa_sample1_4K), EXP_TELBE_LOG-
 1186(037_EOS_700GHz_2100GHz_10Telsa_sample1_10K), EXP_TELBE_LOG-
 1187(038_EOS_700GHz_2100GHz_10Telsa_sample1_5K), EXP_TELBE_LOG-
 1188(039_EOS_700GHz_2100GHz_10Telsa_sample1_10K), EXP_TELBE_LOG-
 1189(040_EOS_700GHz_2100GHz_10Telsa_sample1_15K), EXP_TELBE_LOG-
 1190(041_EOS_700GHz_2100GHz_10Telsa_sample1_20K), EXP_TELBE_LOG-
 1191(042_EOS_700GHz_2100GHz_10Telsa_sample1_25K), EXP_TELBE_LOG-
 1192(043_EOS_700GHz_2100GHz_10Telsa_sample1_30K), EXP_TELBE_LOG-
 1193(044_EOS_700GHz_2100GHz_10Telsa_sample1_35K), EXP_TELBE_LOG-
 1194(045_EOS_700GHz_2100GHz_10Telsa_sample1_40K), EXP_TELBE_LOG-
 1195(046_EOS_700GHz_2100GHz_10Telsa_sample1_45K), EXP_TELBE_LOG-
 1196(047_EOS_700GHz_2100GHz_10Telsa_sample1_50K), EXP_TELBE_LOG-
 1197(048_EOS_700GHz_2100GHz_10Telsa_sample1_60K), EXP_TELBE_LOG-
 1198(049_EOS_700GHz_2100GHz_10Telsa_sample1_70K), EXP_TELBE_LOG-
 1199(050_EOS_700GHz_2100GHz_10Telsa_sample1_100K), EXP_TELBE_LOG-
 1200(051_EOS_700GHz_2100GHz_10Telsa_sample1_150K), EXP_TELBE_LOG-
 1201(052_EOS_700GHz_2100GHz_9Telsa_sample1_5K), EXP_TELBE_LOG-
 1202(053_EOS_700GHz_2100GHz_8Telsa_sample1_5K), EXP_TELBE_LOG-
 1203(054_EOS_700GHz_2100GHz_7Telsa_sample1_5K), EXP_TELBE_LOG-
 1204(055_EOS_700GHz_2100GHz_6Telsa_sample1_5K), EXP_TELBE_LOG-
 1205(056_EOS_700GHz_2100GHz_5Telsa_sample1_5K), EXP_TELBE_LOG-
 1206(057_EOS_700GHz_2100GHz_4Telsa_sample1_5K), EXP_TELBE_LOG-
 1207(058_EOS_700GHz_2100GHz_3Telsa_sample1_5K), EXP_TELBE_LOG-
 1208(059_EOS_700GHz_2100GHz_2Telsa_sample1_5K), EXP_TELBE_LOG-
 1209(060_EOS_700GHz_2100GHz_1Telsa_sample1_5K)

Children:

Modification Date: Sat Feb 08 2020 08:26:26 GMT+0100 (Central European Standard Time)

Registration Date: Fri Feb 07 2020 06:32:23 GMT+0100 (Central European Standard Time)