Second Day Feb. 8th

Name:	Second Day Feb. 8th
Authors:	Medo Bawatna, Min Chen, Jan-Christoph Deinert, Igor Ilyakov, Sergey Kovalev, Hao Chu
Principal investigator (FWKP):	Sergey Kovalev
Proposal number:	20101867-ST
Start date:	2020-02-08 06:37:02 +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:	Continued magnetic field dependence. **file 061**

7:15
decided to change the sample to the optimally doped one. Also, refill LHe, because we were at 32% only.

Had a look at the heater. One element shows already some darkening. We have to see whether the heater survives. Lowered maximum heater voltage to 15V, from 20 V. Max. Power reduces from 45W to 25W.

10:35
after some issues with He transfer tube finally cooled to 5 K and ramped to 10 T
start T dependence with optimally doped sample (LSCO(x=0.16)) at 10 T
file 062

11:00
set T to 10 K, wait for 5 min for T to equilibrate.
file 063

11:25

set T to 15 K, wait for 5 min for T to equilibrate.
file 064

11:50

set T to 20 K, wait for 5 min for T to equilibrate. Reduced number of loops to 2.
file 065

12:20

set T to 28 K
file 067

12:34

set T to 31 K. Moved sample outward a little bit as cryostat appears to have elongated.
file 068

set T to 34 K. Moved sample outward a little bit as cryostat appears to have elongated.
file 069

set T to 36 K. Moved sample outward a little bit as cryostat appears to have elongated.
file 070

set T to 38 K. Moved sample outward a little bit as cryostat appears to have elongated.
file 071

set T to 40 K. Moved sample outward a little bit as cryostat appears to have elongated.
file 072

set T to 43 K. Moved sample outward a little bit as cryostat appears to have elongated.
file 073

set T to 46 K. Moved sample outward a little bit as cryostat appears to have elongated.
file 074

set T to 50 K. Moved sample outward a little bit as cryostat appears to have elongated.
file 075

set T to 55K. Moved sample outward a little bit as cryostat appears to have elongated.
file 076

set T to 60 K. Moved sample outward a little bit as cryostat appears to have elongated.
file 077

set T to 70K. Moved sample outward a little bit as cryostat appears to have elongated.
file 078

set T to 80 K. Moved sample outward a little bit as cryostat appears to have elongated.
file 079

file 080, aborted

set T to 100 K. Moved sample outward a little bit as cryostat appears to have elongated.
file 081

set T to 150 K. Moved sample outward a little bit as cryostat appears to have elongated.
file 082

set T to 5 K. Moved sample outward a little bit as cryostat appears to have elongated.
file 083

set T to 5 K. Set magnet to 9 Tesla. Moved sample outward a little bit as cryostat appears to have elongated.
file 084

File: 093   Time: 20:30 ; H = 5T ; T = 5K ; cycles – 2;

File: 094   Time: 20:46 ; H = 5T ; T = 12K ; cycles – 2;

File: 095   Time: 21:01 ; H = 5T ; T = 19K ; cycles – 2;

File: 096   Time: 21:18 ; H = 5T ; T = 26K ; cycles – 2;

File: 097   Time: 21:47 ; H = 5T ; T = 30K ; cycles – 2;

File: 098   Time: 22:00 ; H = 5T ; T = 33K ; cycles – 2;

File: 099   Time: 22:12 ; H = 5T ; T = 36K ; cycles – 2;

File: 100   Time: 22:22 ; H = 5T ; T = 39K ; cycles – 2;

File: 101   Time: 22:34 ; H = 5T ; T = 42K ; cycles – 2;

File: 102   Time: 22:46 ; H = 5T ; T = 45K ; cycles – 2;

File: 103   Time: 23:00 ; H = 5T ; T = 50K ; cycles – 2;

File: 104   Time: 23:17 ; H = 5T ; T = 60K ; cycles – 2;

File: 105   Time: 23:33 ; H = 5T ; T = 70K ; cycles – 2;

File: 106   Time: 23:46 ; H = 5T ; T = 80K ; cycles – 2;

Date: 09-02-2020

File: 106   Time: 00:02 ; H = 5T ; T = 100K ; cycles – 2;

File: 107   Time: 00:58 ; H = 0T ; T = 5K ; cycles – 2;

File: 108   Time: 01:15 ; H = 0T ; T = 12K ; cycles – 2;

File: 109   Time: 01:31 ; H = 0T ; T = 19K ; cycles – 2;

File: 110   Time: 01:49 ; H = 0T ; T = 26K ; cycles – 2;

File: 111   Time: 02:12 ; H = 0T ; T = 30K ; cycles – 2;

File: 112   Time: 02:29 ; H = 0T ; T = 35K ; cycles – 2; 35K was set by a mistake. Needs to be 33K.

File: 113   Time: 02:43 ; H = 0T ; T = 33K ; cycles – 2;

File: 114   Time: 02:58 ; H = 0T ; T = 36K ; cycles – 2;

File: 115   Time: 03:10 ; H = 0T ; T = 39K ; cycles – 2;

File: 116   Time: 03:25 ; H = 0T ; T = 42K ; cycles – 2

File: 117   Time: 03:42 ; H = 0T ; T = 45K ; cycles – 2

File: 118   Time: 04:11 ; H = 0T ; T = 50K ; cycles – 2

File: 119   Time: 04:25 ; H = 0T ; T = 60K ; cycles – 2

File: 120   Time: 04:40 ; H = 0T ; T = 70K ; cycles – 2

File: 121   Time: 04:52 ; H = 0T ; T = 80K ; cycles – 2

File: 122   Time: 05:05 ; H = 0T ; T = 100K ; cycles – 2

Field dependence measurements at T = 30K:

File: 123   Time: 05:47 ; H = 2T ; T = 30K ; cycles – 2

File: 124   Time: 06:00 ; H = 4T ; T = 30K ; cycles – 2

File: 125   Time: 06:15 ; H = 6T ; T = 30K ; cycles – 2

File: 126   Time: 06:27 ; H = 8T ; T = 30K ; cycles – 2

File: 127   Time: 06:41 ; H = 10T ; T = 30K ; cycles – 2

File: 128   Time: 07:07 ; H = -5T ; T = 30K ; cycles – 2 (here mirror blocked radiation. needs to be remeasured)

File: 129   Time: 07:10 ; H = -5T ; T = 30K ; cycles – 2

power after measurement: ca: 126 mW

continued in next labbook entry

Log entry overview (automatically generated):

Log for Filename **061_EOS__700GHz_2100GHz_0Tesla_sample1_5K**
- Start date: 2020-02-08 06:44:26 +0100
- End date: 2020-02-08 06:58:23 +0100
- Power BDA [mW]: 108.0
- 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 0T;

Log for Filename **062_EOS__700GHz_2100GHz_10Tesla_sample2_5K**
- Start date: 2020-02-08 10:46:54 +0100
- End date: 2020-02-08 11:00:58 +0100
- Power BDA [mW]: 126.0
- 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=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **063_EOS__700GHz_2100GHz_10Tesla_sample2_10K**
- Start date: 2020-02-08 11:10:05 +0100
- End date: 2020-02-08 11:24:14 +0100
- Power BDA [mW]: 126.0
- 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=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **064_EOS__700GHz_2100GHz_10Tesla_sample2_15K**
- Start date: 2020-02-08 11:34:00 +0100
- End date: 2020-02-08 11:48:02 +0100
- Power BDA [mW]: 124.0
- 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=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **065_EOS__700GHz_2100GHz_10Tesla_sample2_20K**
- Start date: 2020-02-08 11:53:59 +0100
- End date: 2020-02-08 12:03:19 +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=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **066_EOS__700GHz_2100GHz_10Tesla_sample2_25K**
- Start date: 2020-02-08 12:09:18 +0100
- End date: 2020-02-08 12:18:38 +0100
- Power BDA [mW]: 122.0
- 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=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **067_EOS__700GHz_2100GHz_10Tesla_sample2_28K**
- Start date: 2020-02-08 12:21:40 +0100
- End date: 2020-02-08 12:30:59 +0100
- Power BDA [mW]: 123.0
- Sample temperature [K]: 28.0
- 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=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **068_EOS__700GHz_2100GHz_10Tesla_sample2_31K**
- Start date: 2020-02-08 12:35:38 +0100
- End date: 2020-02-08 12:44:57 +0100
- Power BDA [mW]: 122.0
- Sample temperature [K]: 31.0
- 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=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **069_EOS__700GHz_2100GHz_10Tesla_sample2_34K**
- Start date: 2020-02-08 12:52:38 +0100
- End date: 2020-02-08 13:01:59 +0100
- Power BDA [mW]: 123.0
- Sample temperature [K]: 34.0
- 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=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **070_EOS__700GHz_2100GHz_10Tesla_sample2_36K**
- Start date: 2020-02-08 13:08:28 +0100
- End date: 2020-02-08 13:17:49 +0100
- Power BDA [mW]: 125.0
- 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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **071_EOS__700GHz_2100GHz_10Tesla_sample2_38K**
- Start date: 2020-02-08 13:24:10 +0100
- End date: 2020-02-08 13:33:31 +0100
- Power BDA [mW]: 128.0
- Sample temperature [K]: 38.0
- 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=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **072_EOS__700GHz_2100GHz_10Tesla_sample2_40K**
- Start date: 2020-02-08 13:40:39 +0100
- End date: 2020-02-08 13:50:00 +0100
- Power BDA [mW]: 123.0
- 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=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **073_EOS__700GHz_2100GHz_10Tesla_sample2_43K**
- Start date: 2020-02-08 14:01:35 +0100
- End date: 2020-02-08 14:10:56 +0100
- Power BDA [mW]: 124.0
- Sample temperature [K]: 43.0
- 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=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **074_EOS__700GHz_2100GHz_10Tesla_sample2_46K**
- Start date: 2020-02-08 14:18:28 +0100
- End date: 2020-02-08 14:27:47 +0100
- Power BDA [mW]: 123.0
- Sample temperature [K]: 46.0
- 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=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **075_EOS__700GHz_2100GHz_10Tesla_sample2_50K**
- Start date: 2020-02-08 14:33:57 +0100
- End date: 2020-02-08 14:43:16 +0100
- Power BDA [mW]: 114.0
- 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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **076_EOS__700GHz_2100GHz_10Tesla_sample2_55K**
- Start date: 2020-02-08 14:47:44 +0100
- End date: 2020-02-08 14:57:03 +0100
- Power BDA [mW]: 119.0
- Sample temperature [K]: 55.0

- 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=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **077_EOS__700GHz_2100GHz_10Tesla_sample2_60K**
- Start date: 2020-02-08 15:02:09 +0100
- End date: 2020-02-08 15:11:28 +0100
- Power BDA [mW]: 119.0
- 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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **078_EOS__700GHz_2100GHz_10Tesla_sample2_70K**
- Start date: 2020-02-08 15:16:48 +0100
- End date: 2020-02-08 15:26:06 +0100
- Power BDA [mW]: 123.0
- 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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **079_EOS__700GHz_2100GHz_10Tesla_sample2_80K**
- Start date: 2020-02-08 15:30:35 +0100
- End date: 2020-02-08 15:39:51 +0100
- Power BDA [mW]: 126.0
- Sample temperature [K]: 80.0
- 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=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **080_EOS__700GHz_2100GHz_10Tesla_sample2_100K**
- Start date: 2020-02-08 15:46:47 +0100
- End date: 2020-02-08 15:46:57 +0100
- Power BDA [mW]: 126.0
- 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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **081_EOS__700GHz_2100GHz_10Tesla_sample2_100K**
- Start date: 2020-02-08 15:47:40 +0100
- End date: 2020-02-08 15:56:58 +0100
- Power BDA [mW]: 128.0
- 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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **082_EOS__700GHz_2100GHz_10Tesla_sample2_150K**
- Start date: 2020-02-08 16:03:04 +0100
- End date: 2020-02-08 16:12:24 +0100
- Power BDA [mW]: 125.0
- 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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **083_EOS__700GHz_2100GHz_10Tesla_sample2_5K**
- Start date: 2020-02-08 16:34:01 +0100
- End date: 2020-02-08 16:43:19 +0100
- Power BDA [mW]: 128.0
- 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=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **084_EOS__700GHz_2100GHz_9Tesla_sample2_5K**
- Start date: 2020-02-08 16:50:38 +0100
- End date: 2020-02-08 16:59:56 +0100
- Power BDA [mW]: 126.0
- 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=0.16); 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 sample2 in; Field set to 9T;

Log for Filename **085_EOS__700GHz_2100GHz_8Tesla_sample2_5K**
- Start date: 2020-02-08 17:10:49 +0100
- End date: 2020-02-08 17:20:09 +0100
- Power BDA [mW]: 128.0
- 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=0.16); 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 sample2 in; Field set to 8T;

Log for Filename **086_EOS__700GHz_2100GHz_7Tesla_sample2_5K**
- Start date: 2020-02-08 17:28:17 +0100
- End date: 2020-02-08 17:37:36 +0100
- Power BDA [mW]: 126.0
- 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=0.16); 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 sample2 in; Field set to 7T;

Log for Filename **087_EOS__700GHz_2100GHz_6Tesla_sample2_5K**
- Start date: 2020-02-08 17:46:43 +0100
- End date: 2020-02-08 17:56:01 +0100
- Power BDA [mW]: 125.0
- 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=0.16); 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 sample2 in; Field set to 6T;

Log for Filename **088_EOS__700GHz_2100GHz_5Tesla_sample2_5K**
- Start date: 2020-02-08 18:12:33 +0100
- End date: 2020-02-08 18:21:52 +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=0.16); 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 sample2 in; Field set to 5T;

Log for Filename **089_EOS__700GHz_2100GHz_4Tesla_sample2_5K**
- Start date: 2020-02-08 18:29:30 +0100
- End date: 2020-02-08 18:38:49 +0100
- Power BDA [mW]: 124.0
- 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=0.16); 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 sample2 in; Field set to 4T;

Log for Filename **090_EOS__700GHz_2100GHz_3Tesla_sample2_5K**
- Start date: 2020-02-08 18:52:23 +0100
- End date: 2020-02-08 19:01:45 +0100
- Power BDA [mW]: 123.0
- 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=0.16); 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 sample2 in; Field set to 3T;

Log for Filename **091_EOS__700GHz_2100GHz_2Tesla_sample2_5K**
- Start date: 2020-02-08 19:13:02 +0100
- End date: 2020-02-08 19:22:21 +0100
- Power BDA [mW]: 123.0
- 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=0.16); 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 sample2 in; Field set to 2T;

Log for Filename **092_EOS__700GHz_2100GHz_1Tesla_sample2_5K**
- Start date: 2020-02-08 19:32:32 +0100
- End date: 2020-02-08 19:41:51 +0100
- Power BDA [mW]: 123.0
- 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=0.16); 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 sample2 in; Field set to 1T;

Log for Filename **093_EOS__700GHz_2100GHz_0Tesla_sample2_5K**
- Start date: 2020-02-08 19:51:32 +0100
- End date: 2020-02-08 20:00:52 +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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 0T;

Log for Filename **094_EOS__700GHz_2100GHz_5Tesla_sample2_5K**
- Start date: 2020-02-08 20:31:20 +0100
- End date: 2020-02-08 20:40:42 +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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 5T;

Log for Filename **095_EOS__700GHz_2100GHz_5Tesla_sample2_12K**
- Start date: 2020-02-08 20:46:12 +0100
- End date: 2020-02-08 20:55:34 +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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 5T;

Log for Filename **096_EOS__700GHz_2100GHz_5Tesla_sample2_19K**
- Start date: 2020-02-08 21:01:50 +0100
- End date: 2020-02-08 21:11:11 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 19.0
- 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=0.16); 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 sample2 in; Field set to 5T;

Log for Filename **097_EOS__700GHz_2100GHz_5Tesla_sample2_26K**
- Start date: 2020-02-08 21:18:57 +0100
- End date: 2020-02-08 21:28:18 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 26.0
- 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=0.16); 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 sample2 in; Field set to 5T;

Log for Filename **097_EOS__700GHz_2100GHz_5Tesla_sample2_30K**
- Start date: 2020-02-08 21:34:26 +0100
- End date: 2020-02-08 21:43:44 +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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 5T;

Log for Filename **097_EOS__700GHz_2100GHz_5Tesla_sample2_30K**
- Start date: 2020-02-08 21:47:20 +0100
- End date: 2020-02-08 21:56:42 +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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 5T;

Log for Filename **098_EOS__700GHz_2100GHz_5Tesla_sample2_33K**
- Start date: 2020-02-08 21:59:39 +0100
- End date: 2020-02-08 22:09:01 +0100
- Power BDA [mW]: 120.0
- 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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 5T;

Log for Filename **099_EOS__700GHz_2100GHz_5Tesla_sample2_36K**
- Start date: 2020-02-08 22:11:45 +0100
- End date: 2020-02-08 22:21:11 +0100
- Power BDA [mW]: 120.0
- 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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 5T;

Log for Filename **100_EOS__700GHz_2100GHz_5Tesla_sample2_39K**
- Start date: 2020-02-08 22:22:54 +0100
- End date: 2020-02-08 22:32:13 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 39.0
- 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=0.16); 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 sample2 in; Field set to 5T;

Log for Filename **101_EOS__700GHz_2100GHz_5Tesla_sample2_42K**
- Start date: 2020-02-08 22:34:57 +0100
- End date: 2020-02-08 22:44:24 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 42.0
- 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=0.16); 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 sample2 in; Field set to 5T;

Log for Filename **102_EOS__700GHz_2100GHz_5Tesla_sample2_45K**
- Start date: 2020-02-08 22:46:40 +0100
- End date: 2020-02-08 22:56:00 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 42.0
- 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=0.16); 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 sample2 in; Field set to 5T;

Log for Filename **103_EOS__700GHz_2100GHz_5Tesla_sample2_50K**
- Start date: 2020-02-08 23:00:29 +0100
- End date: 2020-02-08 23:09:59 +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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 5T;

Log for Filename **104_EOS__700GHz_2100GHz_5Tesla_sample2_60K**
- Start date: 2020-02-08 23:17:55 +0100
- End date: 2020-02-08 23:27:14 +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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 5T;

Log for Filename **105_EOS__700GHz_2100GHz_5Tesla_sample2_70K**
- Start date: 2020-02-08 23:33:18 +0100
- End date: 2020-02-08 23:42:39 +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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 5T;

Log for Filename **106_EOS__700GHz_2100GHz_5Tesla_sample2_80K**
- Start date: 2020-02-08 23:46:50 +0100
- End date: 2020-02-08 23:56:10 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 80.0
- 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=0.16); 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 sample2 in; Field set to 5T;

Log for Filename **106_EOS__700GHz_2100GHz_5Tesla_sample2_100K**
- Start date: 2020-02-09 00:04:45 +0100
- End date: 2020-02-09 00:14:09 +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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 5T;

Log for Filename **107_EOS__700GHz_2100GHz_0Tesla_sample2_5K**
- Start date: 2020-02-09 00:57:24 +0100
- End date: 2020-02-09 01:06:56 +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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 0T;

Log for Filename **108_EOS__700GHz_2100GHz_0Tesla_sample2_12K**
- Start date: 2020-02-09 01:14:55 +0100
- End date: 2020-02-09 01:24:16 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 12.0
- 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=0.16); 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 sample2 in; Field set to 0T;

Log for Filename **109_EOS__700GHz_2100GHz_0Tesla_sample2_19K**
- Start date: 2020-02-09 01:31:41 +0100
- End date: 2020-02-09 01:41:08 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 19.0
- 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=0.16); 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 sample2 in; Field set to 0T;

Log for Filename **110_EOS__700GHz_2100GHz_0Tesla_sample2_26K**
- Start date: 2020-02-09 01:49:41 +0100
- End date: 2020-02-09 01:59:01 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 26.0
- 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=0.16); 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 sample2 in; Field set to 0T;

Log for Filename **111_EOS__700GHz_2100GHz_0Tesla_sample2_30K**
- Start date: 2020-02-09 02:11:59 +0100
- End date: 2020-02-09 02:21:18 +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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 0T;

Log for Filename **112_EOS__700GHz_2100GHz_0Tesla_sample2_35K**
- Start date: 2020-02-09 02:29:32 +0100
- End date: 2020-02-09 02:38:51 +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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 0T;

Log for Filename **113_EOS__700GHz_2100GHz_0Tesla_sample2_33K**
- Start date: 2020-02-09 02:43:36 +0100
- End date: 2020-02-09 02:52:54 +0100
- Power BDA [mW]: 120.0
- 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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 0T;

Log for Filename **114_EOS__700GHz_2100GHz_0Tesla_sample2_36K**
- Start date: 2020-02-09 02:58:28 +0100
- End date: 2020-02-09 03:07:48 +0100
- Power BDA [mW]: 120.0
- 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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 0T;

Log for Filename **115_EOS__700GHz_2100GHz_0Tesla_sample2_39K**
- Start date: 2020-02-09 03:10:30 +0100
- End date: 2020-02-09 03:19:49 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 39.0
- 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=0.16); 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 sample2 in; Field set to 0T;

Log for Filename **116_EOS__700GHz_2100GHz_0Tesla_sample2_42K**
- Start date: 2020-02-09 03:24:03 +0100
- End date: 2020-02-09 03:33:34 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 42.0
- 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=0.16); 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 sample2 in; Field set to 0T;

Log for Filename **117_EOS__700GHz_2100GHz_0Tesla_sample2_45K**
- Start date: 2020-02-09 03:42:39 +0100
- End date: 2020-02-09 03:51:57 +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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 0T;

Log for Filename **119_EOS__700GHz_2100GHz_0Tesla_sample2_60K**
- Start date: 2020-02-09 04:25:59 +0100
- End date: 2020-02-09 04:35:17 +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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 0T;

Log for Filename **120_EOS__700GHz_2100GHz_0Tesla_sample2_70K**
- Start date: 2020-02-09 04:39:09 +0100
- End date: 2020-02-09 04:48:25 +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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 0T;

Log for Filename **121_EOS__700GHz_2100GHz_0Tesla_sample2_80K**
- Start date: 2020-02-09 04:51:59 +0100
- End date: 2020-02-09 05:01:19 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 80.0
- 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=0.16); 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 sample2 in; Field set to 0T;

Log for Filename **122_EOS__700GHz_2100GHz_0Tesla_sample2_100K**
- Start date: 2020-02-09 05:05:29 +0100
- End date: 2020-02-09 05:14:44 +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): 2
- Notes: EOS with 2mm ZnTe; LSCO(x=0.16); 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 sample2 in; Field set to 0T;

Log for Filename **123_EOS__700GHz_2100GHz_2Tesla_sample2_30K**
- Start date: 2020-02-09 05:46:42 +0100
- End date: 2020-02-09 05:56:04 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 30.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Field dependence at 30K
- 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=0.16); 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 sample2 in; Field set to 2T;

Log for Filename **124_EOS__700GHz_2100GHz_4Tesla_sample2_30K**
- Start date: 2020-02-09 06:00:57 +0100
- End date: 2020-02-09 06:10:11 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 30.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Field dependence at 30K
- 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=0.16); 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 sample2 in; Field set to 4T;

Log for Filename **125_EOS__700GHz_2100GHz_6Tesla_sample2_30K**
- Start date: 2020-02-09 06:14:05 +0100
- End date: 2020-02-09 06:23:21 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 30.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Field dependence at 30K
- 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=0.16); 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 sample2 in; Field set to 6T;

Log for Filename **126_EOS__700GHz_2100GHz_8Tesla_sample2_30K**
- Start date: 2020-02-09 06:27:05 +0100
- End date: 2020-02-09 06:36:20 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 30.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Field dependence at 30K
- 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=0.16); 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 sample2 in; Field set to 8T;

Log for Filename **127_EOS__700GHz_2100GHz_10Tesla_sample2_30K**
- Start date: 2020-02-09 06:41:00 +0100
- End date: 2020-02-09 06:50:22 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 30.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Field dependence at 30K
- 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=0.16); 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 sample2 in; Field set to 10T;

Log for Filename **128_EOS__700GHz_2100GHz_m5Tesla_sample2_30K**
- Start date: 2020-02-09 07:06:59 +0100
- End date: 2020-02-09 07:10:27 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 30.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Field dependence at 30K
- 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=0.16); 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 sample2 in; Field set to -5T;

Log for Filename **129_EOS__700GHz_2100GHz_m5Tesla_sample2_30K**
- Start date: 2020-02-09 07:11:09 +0100
- End date: 2020-02-09 07:20:26 +0100
- Power BDA [mW]: 120.0
- Sample temperature [K]: 30.0

- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Field dependence at 30K
- 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=0.16); 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 sample2 in; Field set to -5T;

Children: EXPERIMENTAL_STEP_TELBE_LOG: EXP_TELBE_LOG-1210(061_EOS__700GHz_2100GHz_0Tesla_sample1_5K), EXP_TELBE_LOG-1211(062_EOS__700GHz_2100GHz_10Tesla_sample2_5K), EXP_TELBE_LOG-1212(063_EOS__700GHz_2100GHz_10Tesla_sample2_10K), EXP_TELBE_LOG-1213(064_EOS__700GHz_2100GHz_10Tesla_sample2_15K), EXP_TELBE_LOG-1214(065_EOS__700GHz_2100GHz_10Tesla_sample2_20K), EXP_TELBE_LOG-1215(066_EOS__700GHz_2100GHz_10Tesla_sample2_25K), EXP_TELBE_LOG-1216(067_EOS__700GHz_2100GHz_10Tesla_sample2_28K), EXP_TELBE_LOG-1217(068_EOS__700GHz_2100GHz_10Tesla_sample2_31K), EXP_TELBE_LOG-1218(069_EOS__700GHz_2100GHz_10Tesla_sample2_34K), EXP_TELBE_LOG-1219(070_EOS__700GHz_2100GHz_10Tesla_sample2_36K), EXP_TELBE_LOG-1220(071_EOS__700GHz_2100GHz_10Tesla_sample2_38K), EXP_TELBE_LOG-1221(072_EOS__700GHz_2100GHz_10Tesla_sample2_40K), EXP_TELBE_LOG-1222(073_EOS__700GHz_2100GHz_10Tesla_sample2_43K), EXP_TELBE_LOG-1223(074_EOS__700GHz_2100GHz_10Tesla_sample2_46K), EXP_TELBE_LOG-1224(075_EOS__700GHz_2100GHz_10Tesla_sample2_50K), EXP_TELBE_LOG-1225(076_EOS__700GHz_2100GHz_10Tesla_sample2_55K), EXP_TELBE_LOG-1226(077_EOS__700GHz_2100GHz_10Tesla_sample2_60K), EXP_TELBE_LOG-1227(078_EOS__700GHz_2100GHz_10Tesla_sample2_70K), EXP_TELBE_LOG-1228(079_EOS__700GHz_2100GHz_10Tesla_sample2_80K), EXP_TELBE_LOG-1229(080_EOS__700GHz_2100GHz_10Tesla_sample2_100K), EXP_TELBE_LOG-1230(081_EOS__700GHz_2100GHz_10Tesla_sample2_100K), EXP_TELBE_LOG-1231(082_EOS__700GHz_2100GHz_10Tesla_sample2_150K), EXP_TELBE_LOG-1232(083_EOS__700GHz_2100GHz_10Tesla_sample2_5K), EXP_TELBE_LOG-1233(084_EOS__700GHz_2100GHz_9Tesla_sample2_5K), EXP_TELBE_LOG-1234(085_EOS__700GHz_2100GHz_8Tesla_sample2_5K), EXP_TELBE_LOG-1235(086_EOS__700GHz_2100GHz_7Tesla_sample2_5K), EXP_TELBE_LOG-1236(087_EOS__700GHz_2100GHz_6Tesla_sample2_5K), EXP_TELBE_LOG-1237(088_EOS__700GHz_2100GHz_5Tesla_sample2_5K), EXP_TELBE_LOG-1238(089_EOS__700GHz_2100GHz_4Tesla_sample2_5K), EXP_TELBE_LOG-1239(090_EOS__700GHz_2100GHz_3Tesla_sample2_5K), EXP_TELBE_LOG-1240(091_EOS__700GHz_2100GHz_2Tesla_sample2_5K), EXP_TELBE_LOG-1241(092_EOS__700GHz_2100GHz_1Tesla_sample2_5K), EXP_TELBE_LOG-1242(093_EOS__700GHz_2100GHz_0Tesla_sample2_5K), EXP_TELBE_LOG-1243(094_EOS__700GHz_2100GHz_5Tesla_sample2_5K), EXP_TELBE_LOG-1244(095_EOS__700GHz_2100GHz_5Tesla_sample2_12K), EXP_TELBE_LOG-1245(096_EOS__700GHz_2100GHz_5Tesla_sample2_19K), EXP_TELBE_LOG-1246(097_EOS__700GHz_2100GHz_5Tesla_sample2_26K), EXP_TELBE_LOG-1247(097_EOS__700GHz_2100GHz_5Tesla_sample2_30K), EXP_TELBE_LOG-1248(097_EOS__700GHz_2100GHz_5Tesla_sample2_30K), EXP_TELBE_LOG-1249(098_EOS__700GHz_2100GHz_5Tesla_sample2_33K), EXP_TELBE_LOG-1250(099_EOS__700GHz_2100GHz_5Tesla_sample2_36K), EXP_TELBE_LOG-

1251(100_EOS__700GHz_2100GHz_5Tesla_sample2_39K), EXP_TELBE_LOG-
1252(101_EOS__700GHz_2100GHz_5Tesla_sample2_42K), EXP_TELBE_LOG-
1253(102_EOS__700GHz_2100GHz_5Tesla_sample2_45K), EXP_TELBE_LOG-
1254(103_EOS__700GHz_2100GHz_5Tesla_sample2_50K), EXP_TELBE_LOG-
1255(104_EOS__700GHz_2100GHz_5Tesla_sample2_60K), EXP_TELBE_LOG-
1256(105_EOS__700GHz_2100GHz_5Tesla_sample2_70K), EXP_TELBE_LOG-
1257(106_EOS__700GHz_2100GHz_5Tesla_sample2_80K), EXP_TELBE_LOG-
1258(106_EOS__700GHz_2100GHz_5Tesla_sample2_100K), EXP_TELBE_LOG-
1259(107_EOS__700GHz_2100GHz_0Tesla_sample2_5K), EXP_TELBE_LOG-
1260(108_EOS__700GHz_2100GHz_0Tesla_sample2_12K), EXP_TELBE_LOG-
1261(109_EOS__700GHz_2100GHz_0Tesla_sample2_19K), EXP_TELBE_LOG-
1262(110_EOS__700GHz_2100GHz_0Tesla_sample2_26K), EXP_TELBE_LOG-
1263(111_EOS__700GHz_2100GHz_0Tesla_sample2_30K), EXP_TELBE_LOG-
1264(112_EOS__700GHz_2100GHz_0Tesla_sample2_35K), EXP_TELBE_LOG-
1265(113_EOS__700GHz_2100GHz_0Tesla_sample2_33K), EXP_TELBE_LOG-
1266(114_EOS__700GHz_2100GHz_0Tesla_sample2_36K), EXP_TELBE_LOG-
1267(115_EOS__700GHz_2100GHz_0Tesla_sample2_39K), EXP_TELBE_LOG-
1268(116_EOS__700GHz_2100GHz_0Tesla_sample2_42K), EXP_TELBE_LOG-
1269(117_EOS__700GHz_2100GHz_0Tesla_sample2_45K), EXP_TELBE_LOG-
1270(119_EOS__700GHz_2100GHz_0Tesla_sample2_60K), EXP_TELBE_LOG-
1271(120_EOS__700GHz_2100GHz_0Tesla_sample2_70K), EXP_TELBE_LOG-
1272(121_EOS__700GHz_2100GHz_0Tesla_sample2_80K), EXP_TELBE_LOG-
1273(122_EOS__700GHz_2100GHz_0Tesla_sample2_100K), EXP_TELBE_LOG-
1274(123_EOS__700GHz_2100GHz_2Tesla_sample2_30K), EXP_TELBE_LOG-
1275(124_EOS__700GHz_2100GHz_4Tesla_sample2_30K), EXP_TELBE_LOG-
1276(125_EOS__700GHz_2100GHz_6Tesla_sample2_30K), EXP_TELBE_LOG-
1277(126_EOS__700GHz_2100GHz_8Tesla_sample2_30K), EXP_TELBE_LOG-
1278(127_EOS__700GHz_2100GHz_10Tesla_sample2_30K), EXP_TELBE_LOG-
1279(128_EOS__700GHz_2100GHz_m5Tesla_sample2_30K), EXP_TELBE_LOG-
1280(129_EOS__700GHz_2100GHz_m5Tesla_sample2_30K)

Modification Date:	Sun Feb 09 2020 07:32:57 GMT+0100 (Central European Standard Time)
Registration Date:	Sat Feb 08 2020 06:43:59 GMT+0100 (Central European Standard Time)