

Third Day Feb. 9th

Name: Third Day Feb. 9th
 Authors: Min Chen, Jan-Christoph Deinert, Igor Ilyakov, Sergey Kovalev, Alexey Ponomaryov
 Principal investigator (FWKP): Sergey Kovalev
 Proposal number: 20101867-ST
 Start date: 2020-02-09 06:48:21 +0100
 List of used frequencies [THz]: 0.7
 Frequency 1: 0.7
 Default object type: EXPERIMENTAL_STEP_TELBE_LOG
 Min Chen: true
 Jan-Christoph Deinert: true
 Igor Ilyakov: true
 Sergey Kovalev: true
 Additional authors: Alexey Ponomaryov
 Detailed description: 7:30 continued magnetic field dependence

File: 130 Time: 07:30 ; H = 0T ; T = 50K ; cycles – 2

7:50
 File: 131 ; H = 5T ; T = 50K ; cycles – 2

8:10
 File: 132 ; H = 10T ; T = 50K ; cycles – 2

11:30
 New sample (underdoped LSCO) installed. Start temperature dependence at 0T.

File: 133 ; H = 0T ; T = 5K ; cycles – 2

File: 134 ; H = 0T ; T = 8K ; cycles – 2

File: 135 ; H = 0T ; T = 11K ; cycles – 2

File: 136 ; H = 0T ; T = 14K ; cycles – 2

File: 137 ; H = 0T ; T = 17K ; cycles – 2

File: 138 ; H = 0T ; T = 20K ; cycles – 2

File: 139 ; H = 0T ; T = 23K ; cycles – 2

File: 140 ; H = 0T ; T = 26K ; cycles – 2

File: 141 ; H = 0T ; T = 29K ; cycles – 2

17:25 put power meter after 2nd polarizer before sample, measured 10.8 mW. rotated 1st polarizer such that power meter reads 5.3 mW.

File: 152; H = 0T, T = 5K; cycles -2

Log entry
overview
(automatically
generated):

Log for Filename **130_EOS__700GHz_2100GHz_0Tesla_sample2_50K**

- Start date: 2020-02-09 07:32:22 +0100
- End date: 2020-02-09 07:41:37 +0100
- Power BDA [mW]: 136.0
- Sample temperature [K]: 50.0
- 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 0T;

Log for Filename **131_EOS__700GHz_2100GHz_5Tesla_sample2_50K**

- Start date: 2020-02-09 07:52:16 +0100
- End date: 2020-02-09 08:01:32 +0100
- Power BDA [mW]: 135.0
- Sample temperature [K]: 50.0
- 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 **132_EOS__700GHz_2100GHz_10Tesla_sample2_50K**

- Start date: 2020-02-09 08:09:12 +0100
- End date: 2020-02-09 08:18:27 +0100
- Power BDA [mW]: 138.0
- Sample temperature [K]: 50.0
- 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 **133_EOS_700GHz_2100GHz_0Tesla_sample2_5K**

- Start date: 2020-02-09 11:41:11 +0100
- End date: 2020-02-09 11:51:09 +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 at 0 Tesla
- 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=0.12); 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 **134_EOS_700GHz_2100GHz_0Tesla_sample3_8K**

- Start date: 2020-02-09 12:06:45 +0100
- End date: 2020-02-09 12:16:00 +0100
- Power BDA [mW]: 133.0
- Sample temperature [K]: 8.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Temperature dependence at 0 Tesla
- 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=0.12); 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 sample3 in; Field set to 0T;

Log for Filename **135_EOS_700GHz_2100GHz_0Tesla_sample3_11K**

- Start date: 2020-02-09 12:27:33 +0100
- End date: 2020-02-09 12:36:47 +0100

- Power BDA [mW]: 133.0
- Sample temperature [K]: 11.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Temperature dependence at 0 Tesla
- 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=0.12); 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 sample3 in; Field set to 0T;

Log for Filename **136_EOS__700GHz_2100GHz_0Tesla_sample3_14K**

- Start date: 2020-02-09 12:44:30 +0100
- End date: 2020-02-09 12:53:45 +0100
- Power BDA [mW]: 134.0
- Sample temperature [K]: 14.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Temperature dependence at 0 Tesla
- 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=0.12); 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 sample3 in; Field set to 0T;

Log for Filename **137_EOS__700GHz_2100GHz_0Tesla_sample3_17K**

- Start date: 2020-02-09 13:00:29 +0100
- End date: 2020-02-09 13:09:44 +0100
- Power BDA [mW]: 135.0
- Sample temperature [K]: 17.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Temperature dependence at 0 Tesla
- 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=0.12); 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 sample3 in; Field set to 0T;

Log for Filename **138_EOS__700GHz_2100GHz_0Tesla_sample3_20K**

- Start date: 2020-02-09 13:15:16 +0100
- End date: 2020-02-09 13:24:32 +0100
- Power BDA [mW]: 135.0
- Sample temperature [K]: 20.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Temperature dependence at 0 Tesla
- 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=0.12); 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 sample3 in; Field set to 0T;

Log for Filename **139_EOS__700GHz_2100GHz_0Tesla_sample3_23K**

- Start date: 2020-02-09 13:29:35 +0100
- End date: 2020-02-09 13:38:49 +0100
- Power BDA [mW]: 135.0
- Sample temperature [K]: 23.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Temperature dependence at 0 Tesla
- 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=0.12); 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 sample3 in; Field set to 0T;

Log for Filename **140_EOS__700GHz_2100GHz_0Tesla_sample3_26K**

- Start date: 2020-02-09 13:51:26 +0100
- End date: 2020-02-09 14:00:39 +0100
- Power BDA [mW]: 137.0
- Sample temperature [K]: 26.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Temperature dependence at 0 Tesla
- 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($x=0.12$); 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 sample3 in; Field set to 0T;

Log for Filename **141_EOS_700GHz_2100GHz_0Tesla_sample3_29K**

- Start date: 2020-02-09 14:04:46 +0100
- End date: 2020-02-09 14:13:58 +0100
- Power BDA [mW]: 137.0
- Sample temperature [K]: 29.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Temperature dependence at 0 Tesla
- 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($x=0.12$); 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 sample3 in; Field set to 0T;

Log for Filename **142_EOS_700GHz_2100GHz_0Tesla_sample3_32K**

- Start date: 2020-02-09 14:19:17 +0100
- End date: 2020-02-09 14:28:33 +0100
- Power BDA [mW]: 130.0
- Sample temperature [K]: 32.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Temperature dependence at 0 Tesla
- 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($x=0.12$); 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 sample3 in; Field set to 0T;

Log for Filename **143_EOS_700GHz_2100GHz_0Tesla_sample3_35K**

- Start date: 2020-02-09 14:33:09 +0100
- End date: 2020-02-09 14:42:28 +0100
- Power BDA [mW]: 135.0
- Sample temperature [K]: 35.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Temperature dependence at 0 Tesla

- 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=0.12); 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 sample3 in; Field set to 0T;

Log for Filename **144_EOS_700GHz_2100GHz_0Tesla_sample3_40K**

- Start date: 2020-02-09 14:49:51 +0100
- End date: 2020-02-09 14:59:06 +0100
- Power BDA [mW]: 138.0
- Sample temperature [K]: 40.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Temperature dependence at 0 Tesla
- 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=0.12); 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 sample3 in; Field set to 0T;

Log for Filename **145_EOS_700GHz_2100GHz_0Tesla_sample3_45K**

- Start date: 2020-02-09 15:04:47 +0100
- End date: 2020-02-09 15:14:04 +0100
- Power BDA [mW]: 141.0
- Sample temperature [K]: 45.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Temperature dependence at 0 Tesla
- 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=0.12); 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 sample3 in; Field set to 0T;

Log for Filename **146_EOS_700GHz_2100GHz_0Tesla_sample3_50K**

- Start date: 2020-02-09 15:22:38 +0100
- End date: 2020-02-09 15:31:52 +0100

- Power BDA [mW]: 142.0
- Sample temperature [K]: 50.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Temperature dependence at 0 Tesla
- 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=0.12); 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 sample3 in; Field set to 0T;

Log for Filename **147_EOS__700GHz_2100GHz_0Tesla_sample3_60K**

- Start date: 2020-02-09 15:38:26 +0100
- End date: 2020-02-09 15:47:40 +0100
- Power BDA [mW]: 139.0
- Sample temperature [K]: 60.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Temperature dependence at 0 Tesla
- 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=0.12); 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 sample3 in; Field set to 0T;

Log for Filename **148_EOS__700GHz_2100GHz_0Tesla_sample3_70K**

- Start date: 2020-02-09 15:55:10 +0100
- End date: 2020-02-09 16:04:26 +0100
- Power BDA [mW]: 139.0
- Sample temperature [K]: 70.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Temperature dependence at 0 Tesla
- 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=0.12); 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 sample3 in; Field set to 0T;

Log for Filename **149_EOS__700GHz_2100GHz_0Tesla_sample3_90K**

- Start date: 2020-02-09 16:12:03 +0100
- End date: 2020-02-09 16:21:20 +0100
- Power BDA [mW]: 137.0
- Sample temperature [K]: 90.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Temperature dependence at 0 Tesla
- 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=0.12); 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 sample3 in; Field set to 0T;

Log for Filename **150_EOS__700GHz_2100GHz_0Tesla_sample3_150K**

- Start date: 2020-02-09 16:35:59 +0100
- End date: 2020-02-09 16:45:15 +0100
- Power BDA [mW]: 139.0
- Sample temperature [K]: 150.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Temperature dependence at 0 Tesla
- 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=0.12); 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 sample3 in; Field set to 0T;

Log for Filename **151_EOS__700GHz_2100GHz_0Tesla_sample3_5K**

- Start date: 2020-02-09 17:01:46 +0100
- End date: 2020-02-09 17:11:03 +0100
- Power BDA [mW]: 135.0
- Sample temperature [K]: 5.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Temperature dependence at 0 Tesla
- 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=0.12); 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 sample3 in; Field set to 0T;

Log for Filename

152_EOS__700GHz_2100GHz_0Tesla_sample3_5K_5.3mW(10.8mWbefore)_

- Start date: 2020-02-09 17:28:47 +0100
- Power BDA [mW]: 135.0
- Sample temperature [K]: 5.0
- THz frequency [THz]: 0.7
- THz filter used?: true
- Type of experiment: Temperature dependence at 0 Tesla
- 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=0.12); 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 sample3 in; Field set to 0T;

Children:

EXPERIMENTAL_STEP_TELBE_LOG: EXP_TELBE_LOG-1281(130_EOS__700GHz_2100GHz_0Tesla_sample2_50K), EXP_TELBE_LOG-1282(131_EOS__700GHz_2100GHz_5Tesla_sample2_50K), EXP_TELBE_LOG-1283(132_EOS__700GHz_2100GHz_10Tesla_sample2_50K), EXP_TELBE_LOG-1284(133_EOS__700GHz_2100GHz_0Tesla_sample2_5K), EXP_TELBE_LOG-1285(134_EOS__700GHz_2100GHz_0Tesla_sample3_8K), EXP_TELBE_LOG-1286(135_EOS__700GHz_2100GHz_0Tesla_sample3_11K), EXP_TELBE_LOG-1287(136_EOS__700GHz_2100GHz_0Tesla_sample3_14K), EXP_TELBE_LOG-1288(137_EOS__700GHz_2100GHz_0Tesla_sample3_17K), EXP_TELBE_LOG-1289(138_EOS__700GHz_2100GHz_0Tesla_sample3_20K), EXP_TELBE_LOG-1290(139_EOS__700GHz_2100GHz_0Tesla_sample3_23K), EXP_TELBE_LOG-1291(140_EOS__700GHz_2100GHz_0Tesla_sample3_26K), EXP_TELBE_LOG-1292(141_EOS__700GHz_2100GHz_0Tesla_sample3_29K), EXP_TELBE_LOG-1293(142_EOS__700GHz_2100GHz_0Tesla_sample3_32K), EXP_TELBE_LOG-1294(143_EOS__700GHz_2100GHz_0Tesla_sample3_35K), EXP_TELBE_LOG-1295(144_EOS__700GHz_2100GHz_0Tesla_sample3_40K), EXP_TELBE_LOG-1296(145_EOS__700GHz_2100GHz_0Tesla_sample3_45K), EXP_TELBE_LOG-1297(146_EOS__700GHz_2100GHz_0Tesla_sample3_50K), EXP_TELBE_LOG-1298(147_EOS__700GHz_2100GHz_0Tesla_sample3_60K), EXP_TELBE_LOG-1299(148_EOS__700GHz_2100GHz_0Tesla_sample3_70K), EXP_TELBE_LOG-1300(149_EOS__700GHz_2100GHz_0Tesla_sample3_90K), EXP_TELBE_LOG-1301(150_EOS__700GHz_2100GHz_0Tesla_sample3_150K), EXP_TELBE_LOG-1302(151_EOS__700GHz_2100GHz_0Tesla_sample3_5K), EXP_TELBE_LOG-1303(152_EOS__700GHz_2100GHz_0Tesla_sample3_5K_5.3mW(10.8mWbefore)_), EXP_TELBE_LOG-1304(153_EOS__700GHz_2100GHz_0Tesla_sample3_5K_2.7mW(10.8mWbefore)_), EXP_TELBE_LOG-1305(154_EOS__700GHz_2100GHz_0Tesla_sample3_5K_1p4mW), EXP_TELBE_LOG-1306(155_EOS__700GHz_2100GHz_0Tesla_sample3_5K_0p33mW),

EXP_TELBE_LOG-1307(156_EOS__700GHz_2100GHz_0Tesla_sample3_5K_34mW),
EXP_TELBE_LOG-
1308(157_EOS__700GHz_2100GHz_0Tesla_sample3_5K_0p33mW),
EXP_TELBE_LOG-
1309(158_EOS__700GHz_2100GHz_0Tesla_sample3_8K_0p33mW),
EXP_TELBE_LOG-
1310(159_EOS__700GHz_2100GHz_0Tesla_sample3_11K_0p33mW),
EXP_TELBE_LOG-
1311(161_EOS__700GHz_2100GHz_0Tesla_sample3_14K_0p33mW),
EXP_TELBE_LOG-
1312(162_EOS__700GHz_2100GHz_0Tesla_sample3_17K_0p33mW),
EXP_TELBE_LOG-
1313(163_EOS__700GHz_2100GHz_0Tesla_sample3_20K_0p33mW),
EXP_TELBE_LOG-
1314(164_EOS__700GHz_2100GHz_0Tesla_sample3_23K_0p33mW),
EXP_TELBE_LOG-
1315(165_EOS__700GHz_2100GHz_0Tesla_sample3_26K_0p33mW),
EXP_TELBE_LOG-
1316(166_EOS__700GHz_2100GHz_0Tesla_sample3_29K_0p33mW),
EXP_TELBE_LOG-
1317(167_EOS__700GHz_2100GHz_0Tesla_sample3_32K_0p33mW),
EXP_TELBE_LOG-
1318(168_EOS__700GHz_2100GHz_0Tesla_sample3_35K_0p33mW),
EXP_TELBE_LOG-
1319(169_EOS__700GHz_2100GHz_0Tesla_sample3_40K_0p33mW)

Modification Date: Sun Feb 09 2020 22:17:35 GMT+0100 (Central European Standard Time)

Registration Date: Sun Feb 09 2020 06:49:03 GMT+0100 (Central European Standard Time)