

Aug 22

Name: Aug 22

Authors: No Authors selected

Principal investigator (FWKP): Sergey Kovalev

Proposal number: 19201676

Start date: 2019-08-22 08:11:09 +0200

List of used frequencies [THz]: 0.7

Frequency 1: -3.3

Default object type: EXPERIMENTAL\_STEP\_TELBE\_LOG

17:33

Try to align polarization dependence

Detailed description: QWP 45 Deg, Polarizer horizontal , Power : 14 mW

QWP 45 Deg, Polarizer vertical , Power : 15 mW

QWP 45 Deg, Polarizer horizontal , Power : 12 mW

Log entry overview (automatically generated):

Log for Filename **70\_LSCO30\_2x700GHz\_T5K\_T2\_21p7K\_WG90degs**

- Start date: 2019-08-22 09:04:49 +0200
- End date: 2019-08-22 09:10:10 +0200
- Power BDA [mW]: 39.0
- Sample temperature [K]: 5.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 30.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 61.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 5 K T2 - 21.7 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **71\_LSCO30\_2x700GHz\_T7p5K\_T2\_21p2K\_WG90degs**

- Start date: 2019-08-22 09:33:14 +0200
- End date: 2019-08-22 09:38:34 +0200
- Power BDA [mW]: 39.0
- Sample temperature [K]: 7.5
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 90.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 61.0

- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 5 K T2 - 21.7 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **72\_LSCO30\_2x700GHz\_T1\_5p4K\_T2\_20K\_WG90deg**

- Start date: 2019-08-22 10:53:47 +0200
- End date: 2019-08-22 11:01:47 +0200
- Power BDA [mW]: 39.0
- Sample temperature [K]: 10.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 90.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 62.0
- Stage 1 number of steps: 120
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 5.4 K T2 - 22 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **73\_LSCO30\_2x700GHz\_T1\_5p4K\_T2\_20K\_WG75deg**

- Start date: 2019-08-22 11:06:50 +0200
- End date: 2019-08-22 11:14:49 +0200
- Power BDA [mW]: 40.0
- Sample temperature [K]: 5.1
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 75.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 62.0
- Stage 1 number of steps: 120
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 5.1 K T2 - 20 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **74\_LSCO30\_2x700GHz\_T1\_5K\_T2\_20K\_WG60deg**

- Start date: 2019-08-22 11:17:23 +0200
- End date: 2019-08-22 11:22:42 +0200
- Power BDA [mW]: 39.0
- Sample temperature [K]: 5.1
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1

- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 5.1 K T2 - 20 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **75\_LSCO30\_2x700GHz\_T1\_5K\_T2\_20K\_WG50deg**

- Start date: 2019-08-22 11:24:37 +0200
- End date: 2019-08-22 11:29:56 +0200
- Power BDA [mW]: 39.0
- Sample temperature [K]: 5.1
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 50.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 5.1 K T2 - 20 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **76\_LSCO30\_2x700GHz\_T1\_5K\_T2\_20K\_WG75deg**

- Start date: 2019-08-22 11:39:43 +0200
- End date: 2019-08-22 11:45:04 +0200
- Power BDA [mW]: 39.0
- Sample temperature [K]: 5.1
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 50.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 5.1 K T2 - 20 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **77\_LSCO30\_2x700GHz\_T1\_5K\_T2\_20K\_WG90deg**

- Start date: 2019-08-22 11:47:20 +0200
- End date: 2019-08-22 11:52:39 +0200
- Power BDA [mW]: 39.0
- Sample temperature [K]: 5.1
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 50.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 5.1 K T2 - 20 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **78\_LSCO30\_2x700GHz\_T1\_5K\_T2\_20K\_WG45deg**

- Start date: 2019-08-22 11:57:55 +0200
- End date: 2019-08-22 12:03:14 +0200
- Power BDA [mW]: 40.0
- Sample temperature [K]: 5.1
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 50.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 5.1 K T2 - 20 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **79\_LSCO30\_2x700GHz\_T1\_3p9K\_T2\_20p5K\_WG60deg**

- Start date: 2019-08-22 12:28:46 +0200
- End date: 2019-08-22 12:34:06 +0200
- Power BDA [mW]: 37.0
- Sample temperature [K]: 3.9
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 3.9 K T2 - 20.5 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **80\_LSCO30\_2x700GHz\_T1\_5p4K\_T2\_20p8K\_WG60deg**

- Start date: 2019-08-22 12:37:33 +0200
- End date: 2019-08-22 12:42:53 +0200
- Power BDA [mW]: 37.0
- Sample temperature [K]: 5.4
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 5.4 K T2 - 20.8 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **81\_LSCO30\_2x700GHz\_T1\_7p5K\_T2\_21p4K\_WG60deg**

- Start date: 2019-08-22 12:51:13 +0200
- End date: 2019-08-22 12:56:32 +0200

- Power BDA [mW]: 37.0
- Sample temperature [K]: 7.5
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 7.5 K T2 - 21.4 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **82\_LSCO30\_2x700GHz\_T1\_10K\_T2\_22K\_WG60degs**

- Start date: 2019-08-22 13:00:03 +0200
- End date: 2019-08-22 13:05:21 +0200
- Power BDA [mW]: 37.0
- Sample temperature [K]: 10.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 10 K T2 - 22 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **83\_LSCO30\_2x700GHz\_T1\_12p5K\_T2\_23K\_WG60degs**

- Start date: 2019-08-22 13:09:29 +0200
- End date: 2019-08-22 13:14:46 +0200
- Power BDA [mW]: 40.0
- Sample temperature [K]: 12.5
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 12.5 K T2 - 23 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **84\_LSCO30\_2x700GHz\_T1\_15K\_T2\_24K\_WG60degs**

- Start date: 2019-08-22 13:17:24 +0200
- End date: 2019-08-22 13:22:44 +0200
- Power BDA [mW]: 39.0
- Sample temperature [K]: 12.5
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0

- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 15 K T2 - 24 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **85\_LSCO30\_2x700GHz\_T1\_17p5K\_T2\_25p6K\_WG60deg**

- Start date: 2019-08-22 13:27:47 +0200
- End date: 2019-08-22 13:33:07 +0200
- Power BDA [mW]: 39.0
- Sample temperature [K]: 17.5
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 17.5 K T2 - 25.6 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **86\_LSCO30\_2x700GHz\_T1\_20K\_T2\_27p2K\_WG60deg**

- Start date: 2019-08-22 13:36:44 +0200
- End date: 2019-08-22 13:42:05 +0200
- Power BDA [mW]: 39.0
- Sample temperature [K]: 20.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 20 K T2 - 27.2 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **87\_LSCO30\_2x700GHz\_T1\_22p5K\_T2\_29K\_WG60deg**

- Start date: 2019-08-22 13:45:23 +0200
- End date: 2019-08-22 13:50:42 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 22.5
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0

- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 22.5 K T2 - 29 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **88\_LSCO30\_2x700GHz\_T1\_25K\_T2\_30p9K\_WG60deg**

- Start date: 2019-08-22 13:53:42 +0200
- End date: 2019-08-22 13:59:01 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 25.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 25 K T2 - 30.9 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **89\_LSCO30\_2x700GHz\_T1\_27p5K\_T2\_33p3K\_WG60deg**

- Start date: 2019-08-22 14:03:07 +0200
- End date: 2019-08-22 14:08:24 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 27.5
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 27.5 K T2 - 33.3K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **90\_LSCO30\_2x700GHz\_T1\_30K\_T2\_35p4K\_WG60deg**

- Start date: 2019-08-22 14:11:25 +0200
- End date: 2019-08-22 14:16:41 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 30.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1

- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 30 K T2 - 35.4 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **91\_LSCO30\_2x700GHz\_T1\_32p5K\_T2\_38K\_WG60deg**

- Start date: 2019-08-22 14:20:20 +0200
- End date: 2019-08-22 14:25:39 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 32.5
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 32.5 K T2 - 38 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **92\_LSCO30\_2x700GHz\_T1\_35K\_T2\_40K\_WG60deg**

- Start date: 2019-08-22 14:29:16 +0200
- End date: 2019-08-22 14:34:34 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 35.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 -35 K T2 - 40 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **93\_LSCO30\_2x700GHz\_T1\_39K\_T2\_44p7K\_WG60deg**

- Start date: 2019-08-22 14:39:11 +0200
- End date: 2019-08-22 14:44:29 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 39.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 -39 K T2 - 44.7 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat



Log for Filename **94\_LSCO30\_2x700GHz\_T1\_43K\_T2\_47p3K\_WG60deg**

- Start date: 2019-08-22 14:46:50 +0200
- End date: 2019-08-22 14:52:07 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 43.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 43K T2 - 47.3 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **95\_LSCO30\_2x700GHz\_T1\_47K\_T2\_52p4K\_WG60deg**

- Start date: 2019-08-22 14:55:17 +0200
- End date: 2019-08-22 15:00:36 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 47.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 47 K T2 - 52.4 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **96\_LSCO30\_2x700GHz\_T1\_50K\_T2\_55p2K\_WG60deg**

- Start date: 2019-08-22 15:03:24 +0200
- End date: 2019-08-22 15:08:42 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 50.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 50 K T2 - 55.2 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **97\_LSCO30\_2x700GHz\_T1\_60K\_T2\_65p2K\_WG60deg**

- Start date: 2019-08-22 15:12:15 +0200
- End date: 2019-08-22 15:17:34 +0200

- Power BDA [mW]: 33.0
- Sample temperature [K]: 60.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 60 K T2 - 65.2 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **98\_LSCO30\_2x700GHz\_T1\_70K\_T2\_75p7K\_WG60deg**

- Start date: 2019-08-22 15:21:59 +0200
- End date: 2019-08-22 15:27:18 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 70.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 70 K T2 - 75.7 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **99\_LSCO30\_2x700GHz\_T1\_80K\_T2\_85p8K\_WG60deg**

- Start date: 2019-08-22 15:34:52 +0200
- End date: 2019-08-22 15:40:14 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 70.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 80 K T2 - 85.8 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **100\_LSCO30\_2x700GHz\_T1\_90K\_T2\_95p2K\_WG60deg**

- Start date: 2019-08-22 15:45:41 +0200
- End date: 2019-08-22 15:51:01 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 70.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0

- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 90 K T2 - 95.2 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **101\_LSCO30\_2x700GHz\_T1\_100K\_T2\_105p1K\_WG60degs**

- Start date: 2019-08-22 15:57:13 +0200
- End date: 2019-08-22 16:02:33 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 70.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 100 K T2 - 105.1 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **102\_LSCO30\_2x700GHz\_T1\_140K\_T2\_143p0K\_WG60degs**

- Start date: 2019-08-22 16:11:53 +0200
- End date: 2019-08-22 16:17:11 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 70.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 140 K T2 - 143.0 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **103\_LSCO30\_2x700GHz\_T1\_180K\_T2\_179K\_WG60degs**

- Start date: 2019-08-22 16:26:14 +0200
- End date: 2019-08-22 16:31:32 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 180.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0

- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 180 K T2 - 179 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **104\_LSCO30\_2x700GHz\_T1\_220K\_T2\_218K\_WG60degs**

- Start date: 2019-08-22 16:38:24 +0200
- End date: 2019-08-22 16:43:41 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 220.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 220 K T2 - 218 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **105\_LSCO30\_2x700GHz\_T1\_260K\_T2\_260p1K\_WG60degs**

- Start date: 2019-08-22 16:51:57 +0200
- End date: 2019-08-22 16:57:15 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 260.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters polarizer 90 deg (minimum = 0 deg) LSCO 30 T1 - 260 K T2 - 260.1 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **106\_LSCO30\_\_T1\_35K\_T2\_42p5K\_WG180degs**

- Start date: 2019-08-22 18:09:33 +0200
- End date: 2019-08-22 18:14:53 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 35.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1

- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters Polarization dependance QWP @ 45 degs First polarizer at 180 degs - vertical After the sample - polarizer @ 45 degs - fixed LSCO 35 Temperature 35K T1 - 260 K T2 - 260.1 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **107\_LSCO30\_\_T1\_35K\_T2\_42p5K\_WG180degs**

- Start date: 2019-08-22 18:25:45 +0200
- End date: 2019-08-22 18:31:06 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 35.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters Polarization dependance QWP @ 45 degs First polarizer at 180 degs - vertical After the sample - polarizer @ 45 degs - fixed LSCO 35 Temperature 35K Added WG polarizer with vertical transmission infront of ZnTe crystal T1 - 260 K T2 - 260.1 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **108\_LSCO30\_\_T1\_35K\_T2\_42p5K\_WG165degs**

- Start date: 2019-08-22 18:38:51 +0200
- End date: 2019-08-22 18:44:12 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 35.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters Polarization dependance QWP @ 45 degs First polarizer at 165 degs - vertical After the sample - polarizer @ 45 degs - fixed LSCO 35 Temperature 35K Added WG polarizer with vertical transmission infront of ZnTe crystal T1 - 260 K T2 - 260.1 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **109\_LSCO30\_\_T1\_35K\_T2\_42p5K\_WG150degs**

- Start date: 2019-08-22 18:45:51 +0200
- End date: 2019-08-22 18:51:10 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 35.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80

- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters Polarization dependance QWP @ 45 degs First polarizer at 150 degs - vertical After the sample - polarizer @ 45 degs - fixed LSCO 35 Temperature 35K Added WG polarizer with vertical transmission infront of ZnTe crystal T1 - 260 K T2 - 260.1 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **110\_LSCO30\_\_T1\_35K\_T2\_42p5K\_WG135degs**

- Start date: 2019-08-22 18:52:39 +0200
- End date: 2019-08-22 18:57:55 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 35.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters Polarization dependance QWP @ 45 degs First polarizer at 135 degs - vertical After the sample - polarizer @ 45 degs - fixed LSCO 35 Temperature 35K Added WG polarizer with vertical transmission infront of ZnTe crystal T1 - 260 K T2 - 260.1 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **111\_LSCO30\_\_T1\_35K\_T2\_42p5K\_WG120degs**

- Start date: 2019-08-22 18:59:31 +0200
- End date: 2019-08-22 19:04:52 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 35.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters Polarization dependance QWP @ 45 degs First polarizer at 120 degs - vertical After the sample - polarizer @ 45 degs - fixed LSCO 35 Temperature 35K Added WG polarizer with vertical transmission infront of ZnTe crystal T1 - 260 K T2 - 260.1 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **112\_LSCO30\_\_T1\_35K\_T2\_42p5K\_WG105degs**

- Start date: 2019-08-22 19:05:55 +0200
- End date: 2019-08-22 19:11:12 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 35.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true

- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters Polarization dependance QWP @ 45 degs First polarizer at 105 degs - vertical After the sample - polarizer @ 45 degs - fixed LSCO 35 Temperature 35K Added WG polarizer with vertical transmission infront of ZnTe crystal T1 - 260 K T2 - 260.1 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **113\_LSCO30\_\_T1\_35K\_T2\_42p5K\_WG90degs**

- Start date: 2019-08-22 19:12:52 +0200
- End date: 2019-08-22 19:18:14 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 35.0
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters Polarization dependance QWP @ 45 degs First polarizer at 90 degs - vertical After the sample - polarizer @ 45 degs - fixed LSCO 35 Temperature 35K Added WG polarizer with vertical transmission infront of ZnTe crystal T1 - 260 K T2 - 260.1 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **114\_LSCO30\_\_T1\_7p5K\_T2\_21p3K\_WG90degs**

- Start date: 2019-08-22 19:37:41 +0200
- End date: 2019-08-22 19:43:03 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 7.5
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters Polarization dependance QWP @ 45 degs First polarizer at 90 degs - vertical After the sample - polarizer @ 45 degs - fixed LSCO 35 Temperature 35K Added WG polarizer with vertical transmission infront of ZnTe crystal T1 - 260 K T2 - 260.1 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **115\_LSCO30\_\_T1\_7p5K\_T2\_21p3K\_WG105degs**

- Start date: 2019-08-22 19:44:19 +0200
- End date: 2019-08-22 19:49:39 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 7.5
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0

- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters Polarization dependance QWP @ 45 degs First polarizer at 105 degs - vertical After the sample - polarizer @ 45 degs - fixed LSCO 35 Temperature 35K Added WG polarizer with vertical transmission infront of ZnTe crystal T1 - 260 K T2 - 260.1 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **116\_LSCO30\_\_T1\_7p5K\_T2\_21p3K\_WG120degs**

- Start date: 2019-08-22 19:51:37 +0200
- End date: 2019-08-22 19:56:53 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 7.5
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters Polarization dependance QWP @ 45 degs First polarizer at 120 degs - vertical After the sample - polarizer @ 45 degs - fixed LSCO 35 Temperature 35K Added WG polarizer with vertical transmission infront of ZnTe crystal T1 - 260 K T2 - 260.1 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **117\_LSCO30\_\_T1\_7p5K\_T2\_21p3K\_WG135degs**

- Start date: 2019-08-22 19:58:17 +0200
- End date: 2019-08-22 20:03:34 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 7.5
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters Polarization dependance QWP @ 45 degs First polarizer at 135 degs - vertical After the sample - polarizer @ 45 degs - fixed LSCO 35 Temperature 35K Added WG polarizer with vertical transmission infront of ZnTe crystal T1 - 260 K T2 - 260.1 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **118\_LSCO30\_\_T1\_7p5K\_T2\_21p3K\_WG150degs**

- Start date: 2019-08-22 20:05:04 +0200
- End date: 2019-08-22 20:10:22 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 7.5
- THz frequency [THz]: 0.7



- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters Polarization dependance QWP @ 45 degs First polarizer at 150 degs - vertical After the sample - polarizer @ 45 degs - fixed LSCO 35 Temperature 35K Added WG polarizer with vertical transmission infront of ZnTe crystal T1 - 260 K T2 - 260.1 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **119\_LSCO30\_\_T1\_7p5K\_T2\_21p3K\_WG165degs**

- Start date: 2019-08-22 20:12:33 +0200
- End date: 2019-08-22 20:17:48 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 7.5
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters Polarization dependance QWP @ 45 degs First polarizer at 165 degs - vertical After the sample - polarizer @ 45 degs - fixed LSCO 35 Temperature 35K Added WG polarizer with vertical transmission infront of ZnTe crystal T1 - 260 K T2 - 260.1 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Log for Filename **120\_LSCO30\_\_T1\_7p5K\_T2\_21p3K\_WG180degs**

- Start date: 2019-08-22 20:19:30 +0200
- End date: 2019-08-22 20:24:49 +0200
- Power BDA [mW]: 33.0
- Sample temperature [K]: 7.5
- THz frequency [THz]: 0.7
- THz polarizer angle [deg]: 60.0
- AI1 0 max: 1.0
- AI1 0 min: -1.0
- AI2 3 switch: true
- Stage 1 start position [mm]: 60.0
- Stage 1 number of steps: 80
- Stage 1 step size [mm]: -0.1
- Number of loops (TELBE): 1
- Notes: ZnTe 2 mm gain 100 after 2x700 GHz filters Polarization dependance QWP @ 45 degs First polarizer at 180 degs - vertical After the sample - polarizer @ 45 degs - fixed LSCO 35 Temperature 35K Added WG polarizer with vertical transmission infront of ZnTe crystal T1 - 260 K T2 - 260.1 K BDA power 39mW - after both filters transfer line was stuck. took a lot effort to take it out of cryostat

Children: EXPERIMENTAL\_STEP\_TELBE\_LOG: EXP\_TELBE\_LOG-587(70\_LSCO30\_2x700GHz\_T5K\_T2\_21p7K\_WG90degs), EXP\_TELBE\_LOG-588(71\_LSCO30\_2x700GHz\_T7p5K\_T2\_21p2K\_WG90degs), EXP\_TELBE\_LOG-589(72\_LSCO30\_2x700GHz\_T1\_5p4K\_T2\_20K\_WG90degs), EXP\_TELBE\_LOG-

590(73\_LSCO30\_2x700GHz\_T1\_5p4K\_T2\_20K\_WG75degs), EXP\_TELBE\_LOG-  
 591(74\_LSCO30\_2x700GHz\_T1\_5K\_T2\_20K\_WG60degs), EXP\_TELBE\_LOG-  
 592(75\_LSCO30\_2x700GHz\_T1\_5K\_T2\_20K\_WG50degs), EXP\_TELBE\_LOG-  
 593(76\_LSCO30\_2x700GHz\_T1\_5K\_T2\_20K\_WG75degs), EXP\_TELBE\_LOG-  
 594(77\_LSCO30\_2x700GHz\_T1\_5K\_T2\_20K\_WG90degs), EXP\_TELBE\_LOG-  
 595(78\_LSCO30\_2x700GHz\_T1\_5K\_T2\_20K\_WG45degs), EXP\_TELBE\_LOG-  
 596(79\_LSCO30\_2x700GHz\_T1\_3p9K\_T2\_20p5K\_WG60degs), EXP\_TELBE\_LOG-  
 597(80\_LSCO30\_2x700GHz\_T1\_5p4K\_T2\_20p8K\_WG60degs), EXP\_TELBE\_LOG-  
 598(81\_LSCO30\_2x700GHz\_T1\_7p5K\_T2\_21p4K\_WG60degs), EXP\_TELBE\_LOG-  
 599(82\_LSCO30\_2x700GHz\_T1\_10K\_T2\_22K\_WG60degs), EXP\_TELBE\_LOG-  
 600(83\_LSCO30\_2x700GHz\_T1\_12p5K\_T2\_23K\_WG60degs), EXP\_TELBE\_LOG-  
 601(84\_LSCO30\_2x700GHz\_T1\_15K\_T2\_24K\_WG60degs), EXP\_TELBE\_LOG-  
 602(85\_LSCO30\_2x700GHz\_T1\_17p5K\_T2\_25p6K\_WG60degs), EXP\_TELBE\_LOG-  
 603(86\_LSCO30\_2x700GHz\_T1\_20K\_T2\_27p2K\_WG60degs), EXP\_TELBE\_LOG-  
 604(87\_LSCO30\_2x700GHz\_T1\_22p5K\_T2\_29K\_WG60degs), EXP\_TELBE\_LOG-  
 605(88\_LSCO30\_2x700GHz\_T1\_25K\_T2\_30p9K\_WG60degs), EXP\_TELBE\_LOG-  
 606(89\_LSCO30\_2x700GHz\_T1\_27p5K\_T2\_33p3K\_WG60degs), EXP\_TELBE\_LOG-  
 607(90\_LSCO30\_2x700GHz\_T1\_30K\_T2\_35p4K\_WG60degs), EXP\_TELBE\_LOG-  
 608(91\_LSCO30\_2x700GHz\_T1\_32p5K\_T2\_38K\_WG60degs), EXP\_TELBE\_LOG-  
 609(92\_LSCO30\_2x700GHz\_T1\_35K\_T2\_40K\_WG60degs), EXP\_TELBE\_LOG-  
 610(93\_LSCO30\_2x700GHz\_T1\_39K\_T2\_44p7K\_WG60degs), EXP\_TELBE\_LOG-  
 611(94\_LSCO30\_2x700GHz\_T1\_43K\_T2\_47p3K\_WG60degs), EXP\_TELBE\_LOG-  
 612(95\_LSCO30\_2x700GHz\_T1\_47K\_T2\_52p4K\_WG60degs), EXP\_TELBE\_LOG-  
 613(96\_LSCO30\_2x700GHz\_T1\_50K\_T2\_55p2K\_WG60degs), EXP\_TELBE\_LOG-  
 614(97\_LSCO30\_2x700GHz\_T1\_60K\_T2\_65p2K\_WG60degs), EXP\_TELBE\_LOG-  
 615(98\_LSCO30\_2x700GHz\_T1\_70K\_T2\_75p7K\_WG60degs), EXP\_TELBE\_LOG-  
 616(99\_LSCO30\_2x700GHz\_T1\_80K\_T2\_85p8K\_WG60degs), EXP\_TELBE\_LOG-  
 617(100\_LSCO30\_2x700GHz\_T1\_90K\_T2\_95p2K\_WG60degs), EXP\_TELBE\_LOG-  
 618(101\_LSCO30\_2x700GHz\_T1\_100K\_T2\_105p1K\_WG60degs), EXP\_TELBE\_LOG-  
 619(102\_LSCO30\_2x700GHz\_T1\_140K\_T2\_143p0K\_WG60degs), EXP\_TELBE\_LOG-  
 620(103\_LSCO30\_2x700GHz\_T1\_180K\_T2\_179K\_WG60degs), EXP\_TELBE\_LOG-  
 621(104\_LSCO30\_2x700GHz\_T1\_220K\_T2\_218K\_WG60degs), EXP\_TELBE\_LOG-  
 622(105\_LSCO30\_2x700GHz\_T1\_260K\_T2\_260p1K\_WG60degs), EXP\_TELBE\_LOG-  
 623(106\_LSCO30\_\_T1\_35K\_T2\_42p5K\_WG180degs), EXP\_TELBE\_LOG-  
 624(107\_LSCO30\_\_T1\_35K\_T2\_42p5K\_WG180degs), EXP\_TELBE\_LOG-  
 625(108\_LSCO30\_\_T1\_35K\_T2\_42p5K\_WG165degs), EXP\_TELBE\_LOG-  
 626(109\_LSCO30\_\_T1\_35K\_T2\_42p5K\_WG150degs), EXP\_TELBE\_LOG-  
 627(110\_LSCO30\_\_T1\_35K\_T2\_42p5K\_WG135degs), EXP\_TELBE\_LOG-  
 628(111\_LSCO30\_\_T1\_35K\_T2\_42p5K\_WG120degs), EXP\_TELBE\_LOG-  
 629(112\_LSCO30\_\_T1\_35K\_T2\_42p5K\_WG105degs), EXP\_TELBE\_LOG-  
 630(113\_LSCO30\_\_T1\_35K\_T2\_42p5K\_WG90degs), EXP\_TELBE\_LOG-  
 631(114\_LSCO30\_\_T1\_7p5K\_T2\_21p3K\_WG90degs), EXP\_TELBE\_LOG-  
 632(115\_LSCO30\_\_T1\_7p5K\_T2\_21p3K\_WG105degs), EXP\_TELBE\_LOG-  
 633(116\_LSCO30\_\_T1\_7p5K\_T2\_21p3K\_WG120degs), EXP\_TELBE\_LOG-  
 634(117\_LSCO30\_\_T1\_7p5K\_T2\_21p3K\_WG135degs), EXP\_TELBE\_LOG-  
 635(118\_LSCO30\_\_T1\_7p5K\_T2\_21p3K\_WG150degs), EXP\_TELBE\_LOG-  
 636(119\_LSCO30\_\_T1\_7p5K\_T2\_21p3K\_WG165degs), EXP\_TELBE\_LOG-  
 637(120\_LSCO30\_\_T1\_7p5K\_T2\_21p3K\_WG180degs)

Modification  
Date:

Fri Jan 10 2020 16:23:12 GMT+0100 (Central European Standard Time)

Registration  
Date:

Thu Aug 22 2019 08:11:37 GMT+0200 (Central European Summer Time)