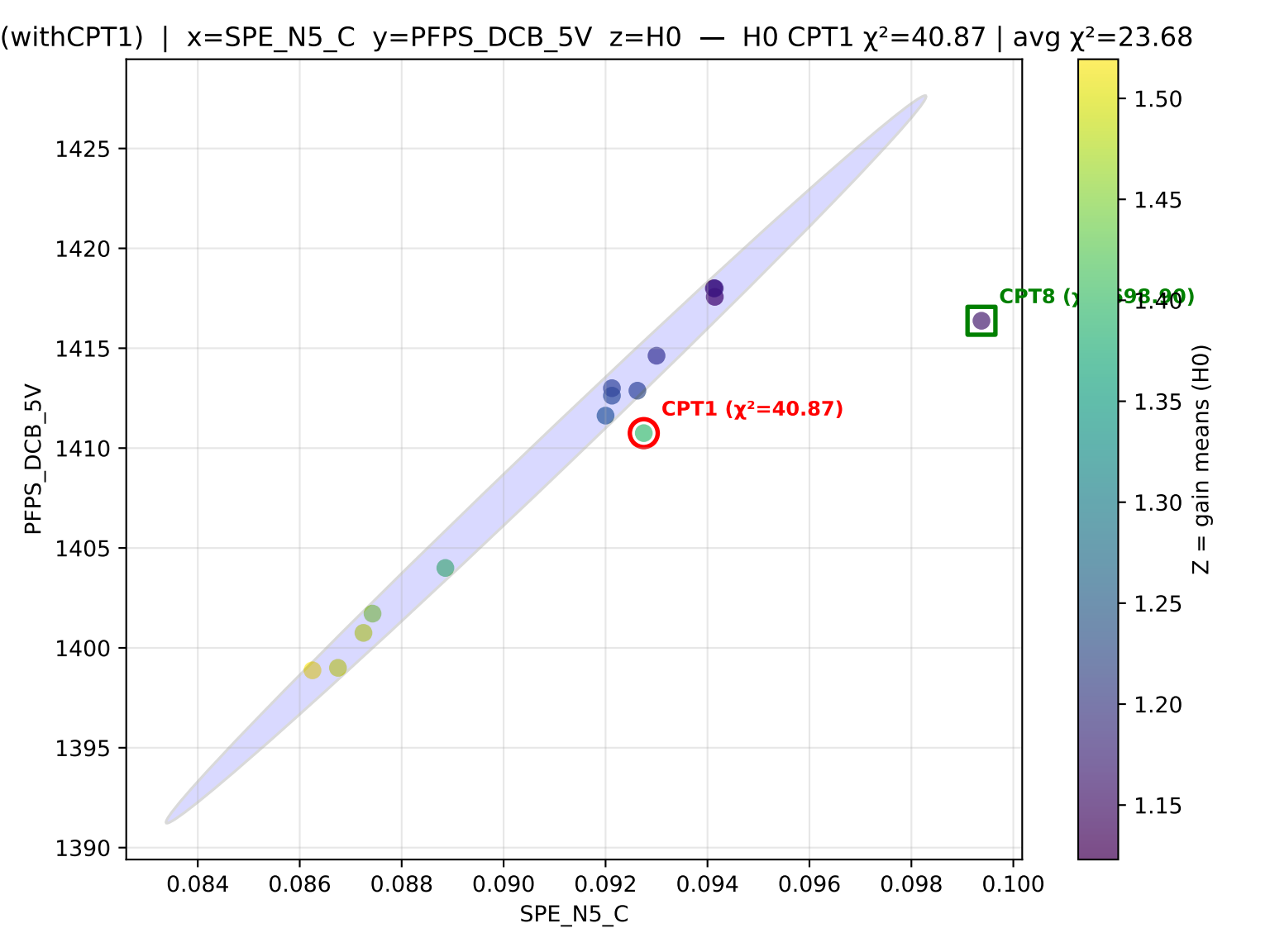
No (x, y) pairs had CPT1 χ^2>6 in ALL settings.

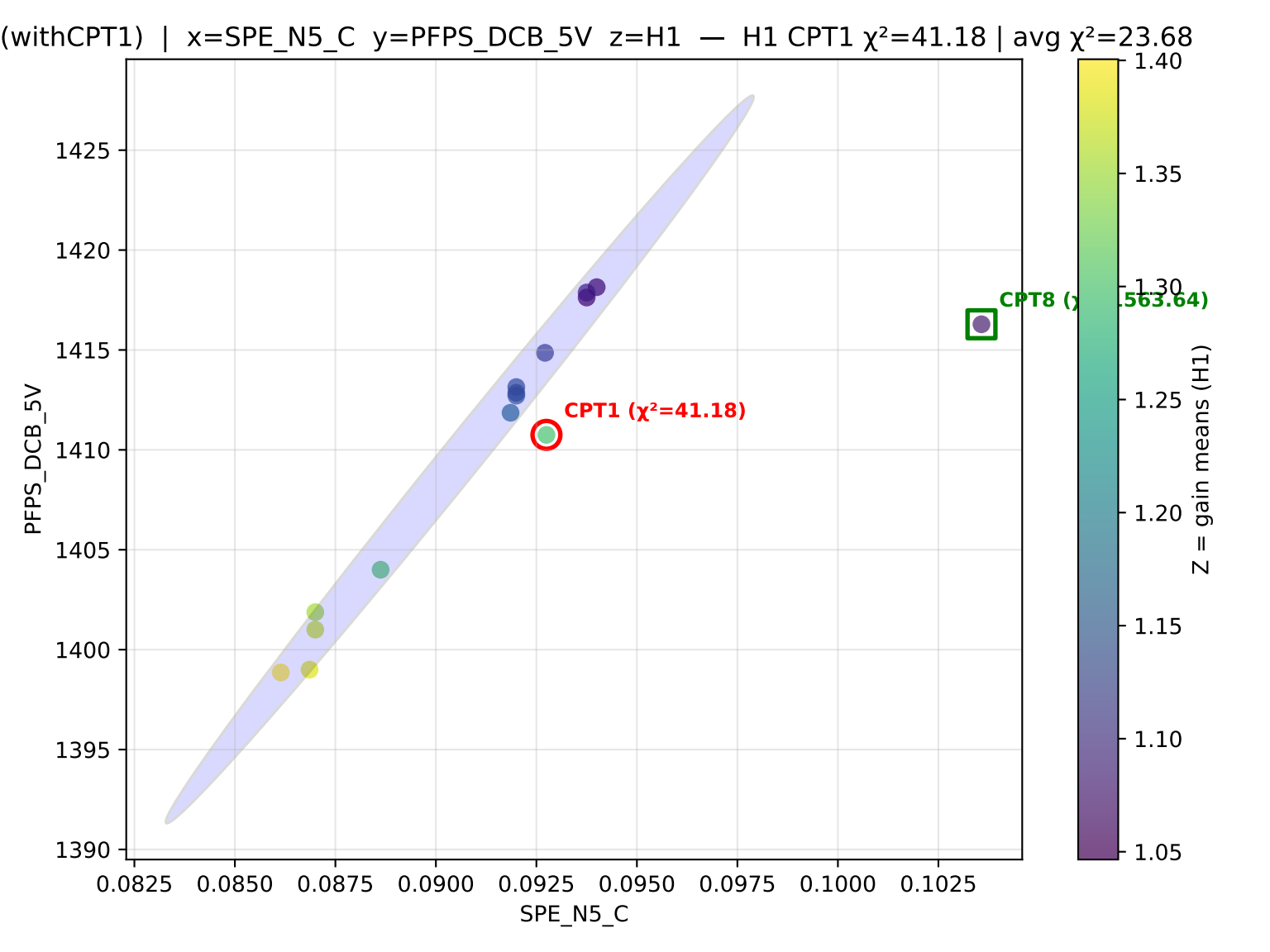
Top 25 pairs by average χ^2(CPT1) across settings

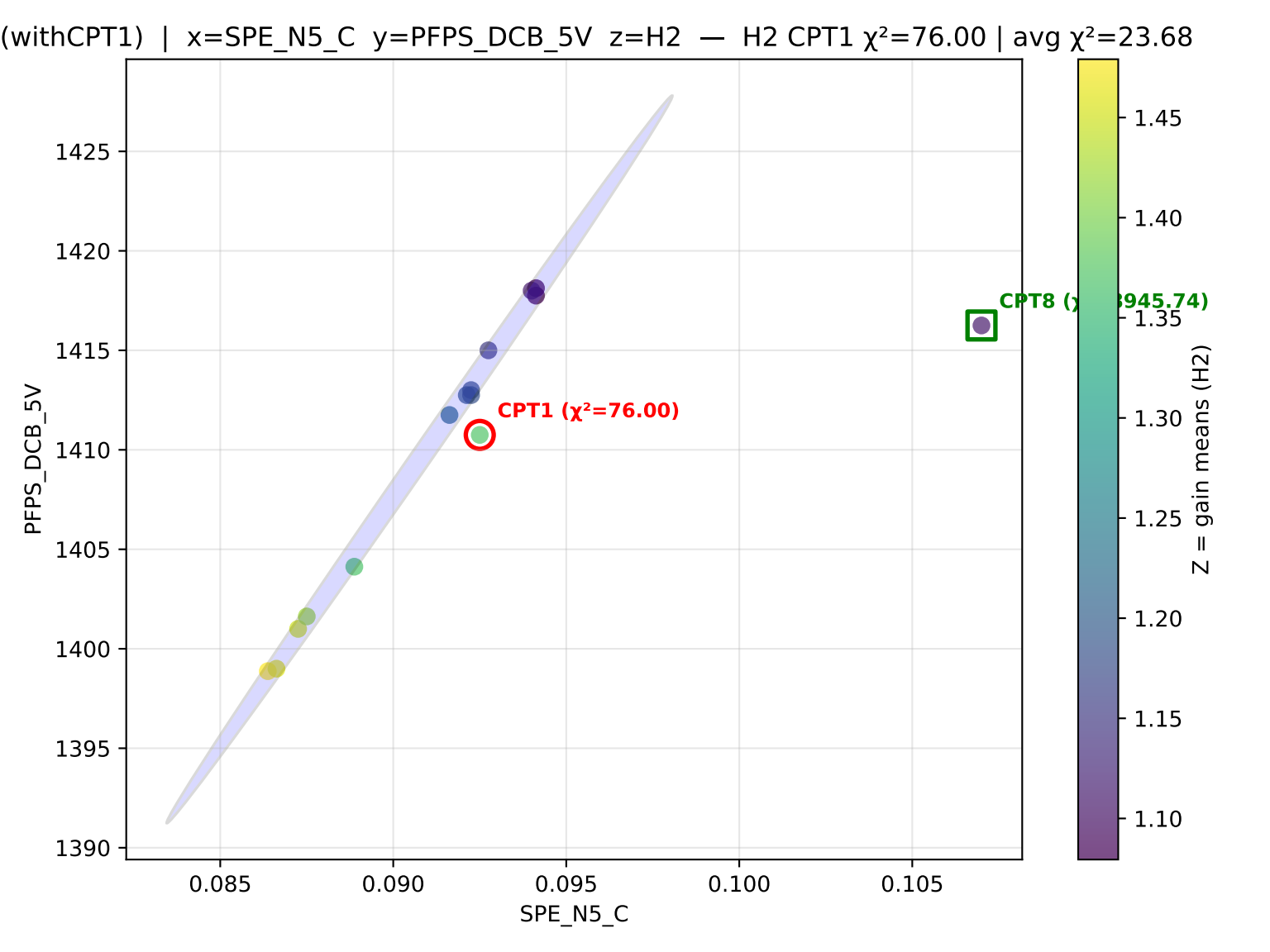
Each pair is plotted for every setting (forced export).

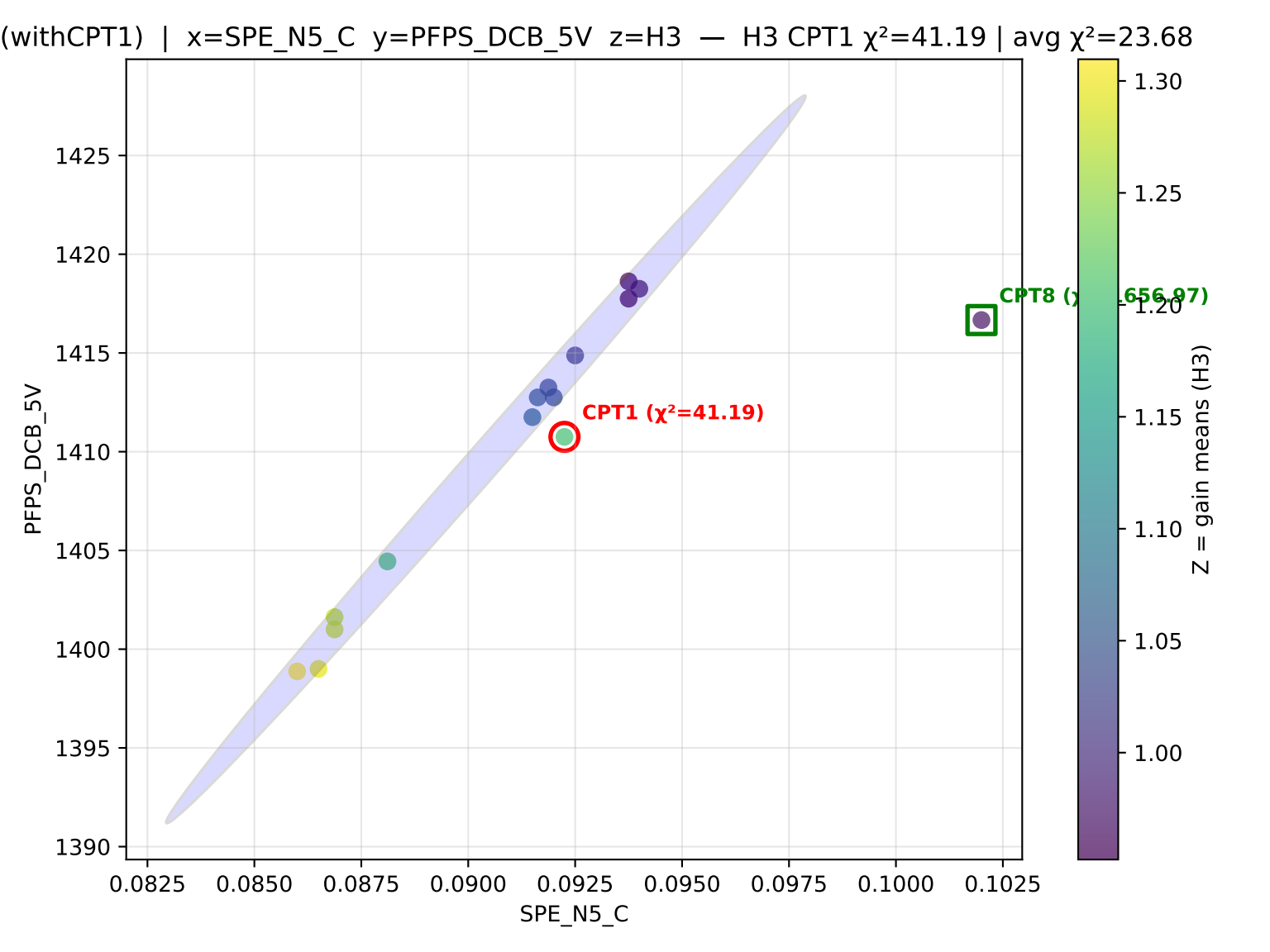
Pair: SPE_N5_C vs PFPS_DCB_5V

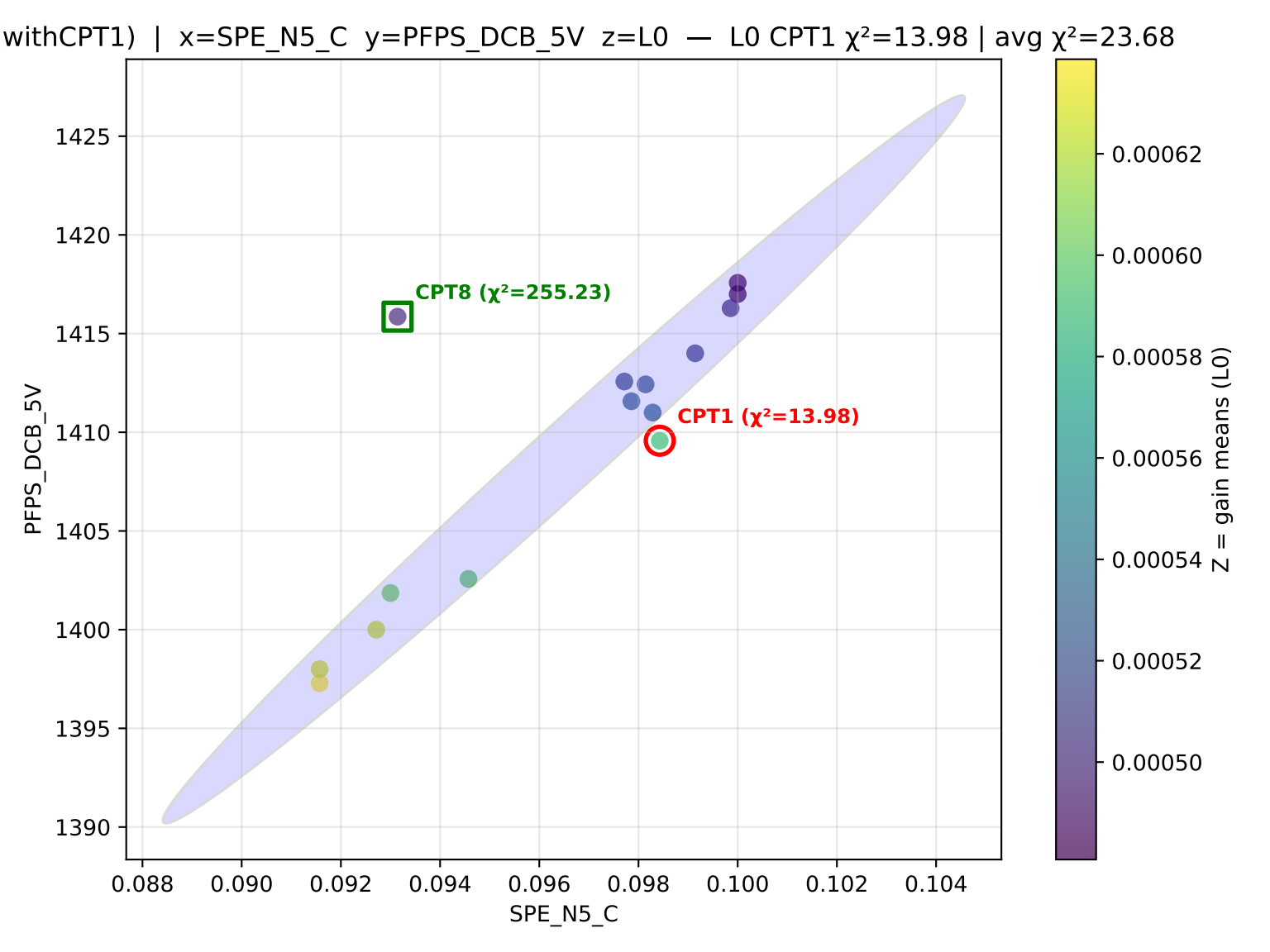
Average χ^2(CPT1) across settings: 23.68

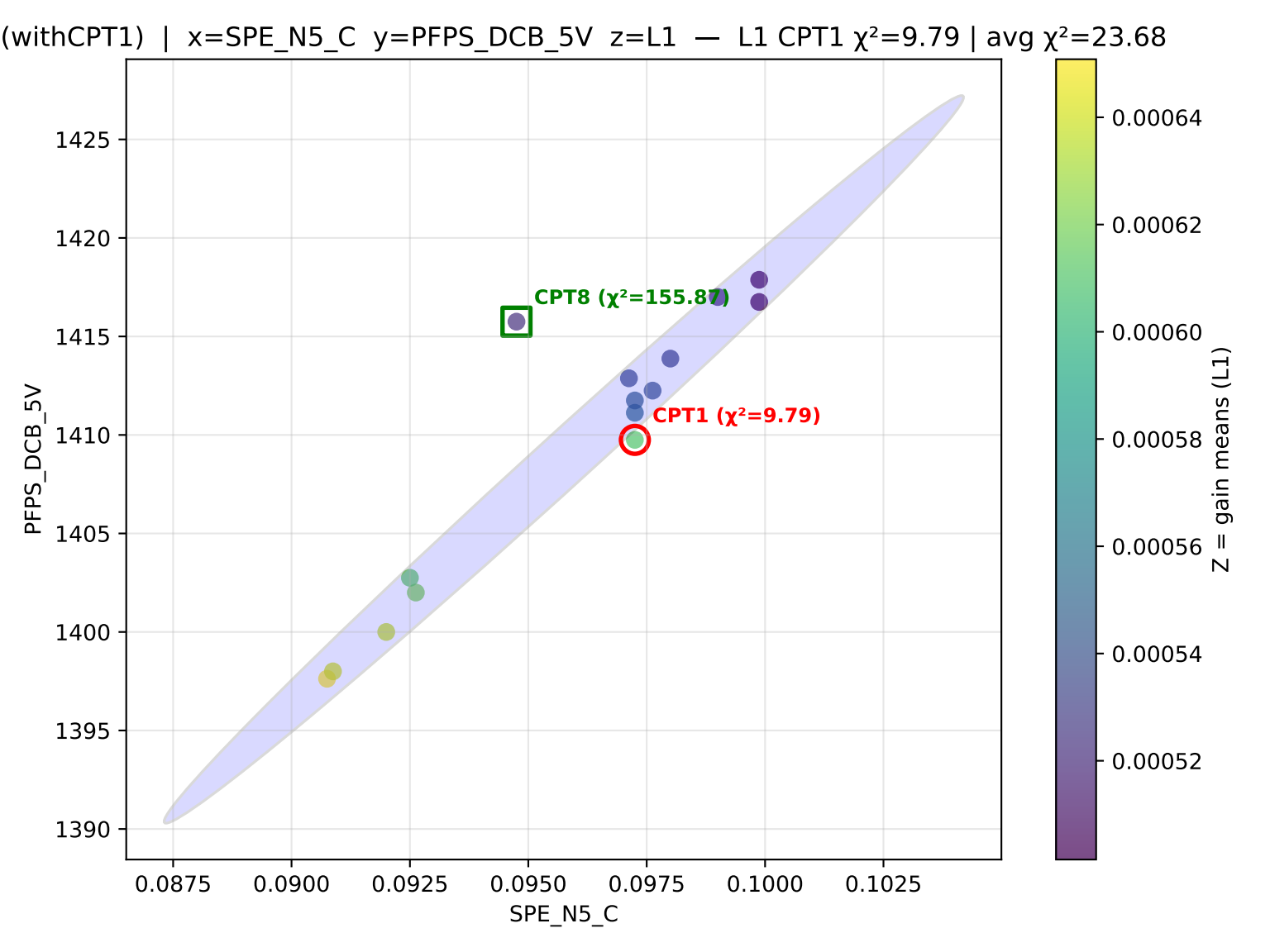

(withCPT1) | x=SPE_N5_C y=PFPS_DCB_5V z=H0 — H0 CPT1 χ²=40.87 | avg χ²=23.68
CPT1 (χ²=40.87)
CPT8 (χ²=98.20)
PFPS_DCB_5V
SPE_N5_C
Z = gain means (H0)
1425
1420
1415
1410
1405
1400
1395
1390
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.100
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

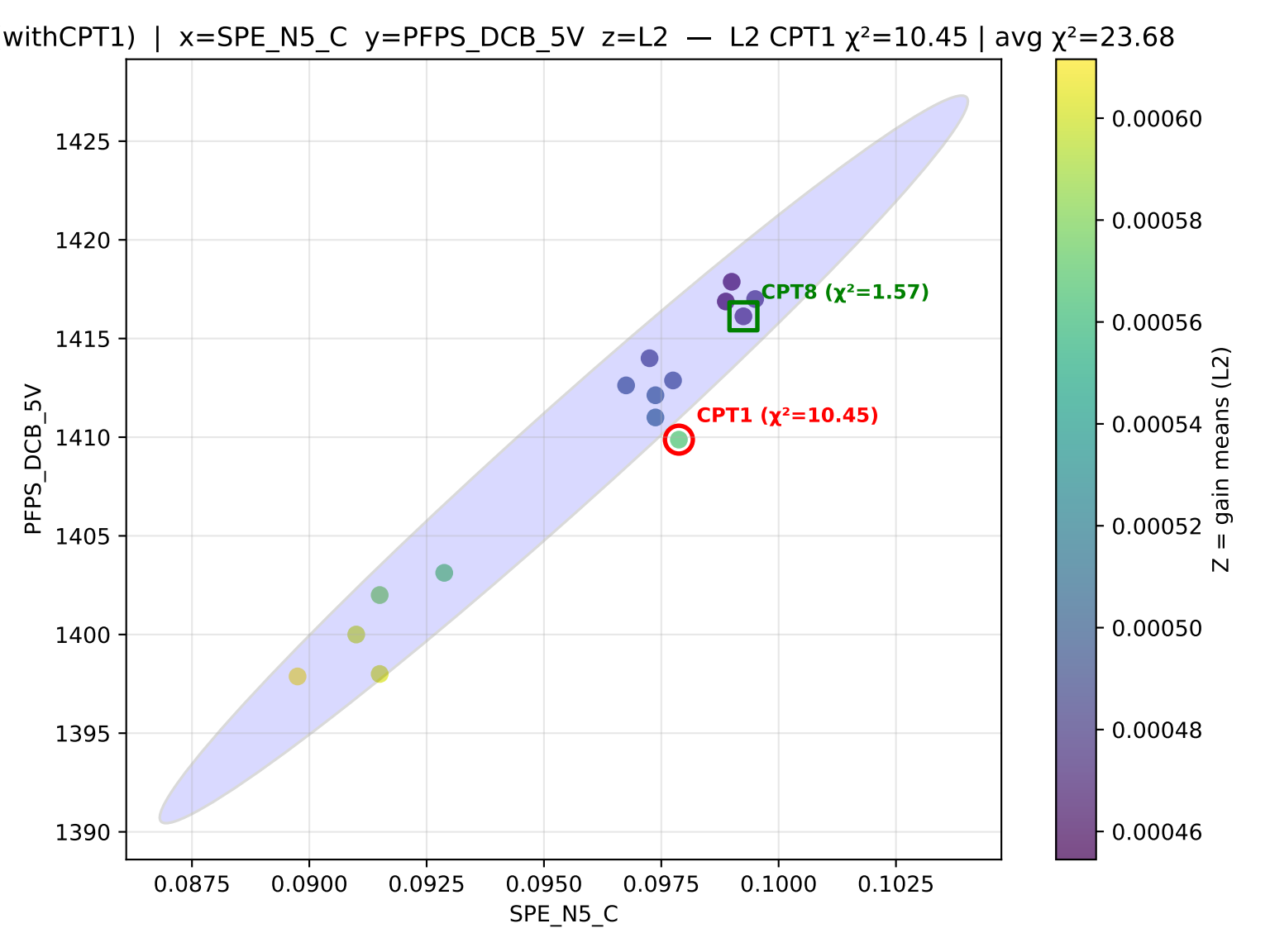

(withCPT1) | x=SPE_N5_C y=PFPS_DCB_5V z=H1 — H1 CPT1 χ²=41.18 | avg χ²=23.68
CPT1 (χ²=41.18)
CPT8 (χ² 563.64)
PFPS_DCB_5V
SPE_N5_C
Z = gain means (H1)
1425
1420
1415
1410
1405
1400
1395
1390
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

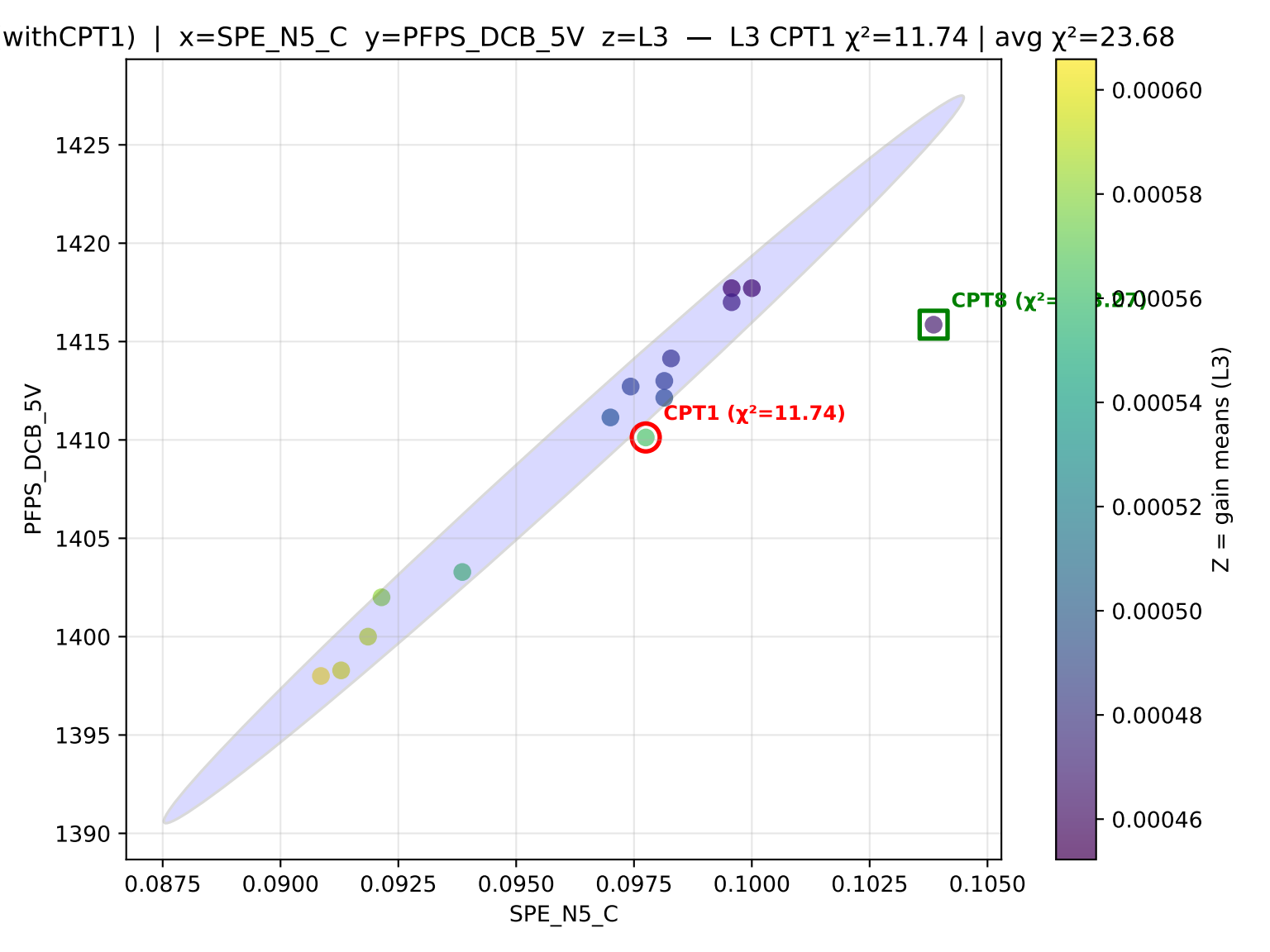

(withCPT1) | x=SPE_N5_C y=PFPS_DCB_5V z=H2 — H2 CPT1 χ²=76.00 | avg χ²=23.68
CPT1 (χ²=76.00)
CPT8 (χ
945.74)
PFPS_DCB_5V
SPE_N5_C
Z = gain means (H2)
1425
1420
1415
1410
1405
1400
1395
1390
0.085
0.090
0.095
0.100
0.105
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10

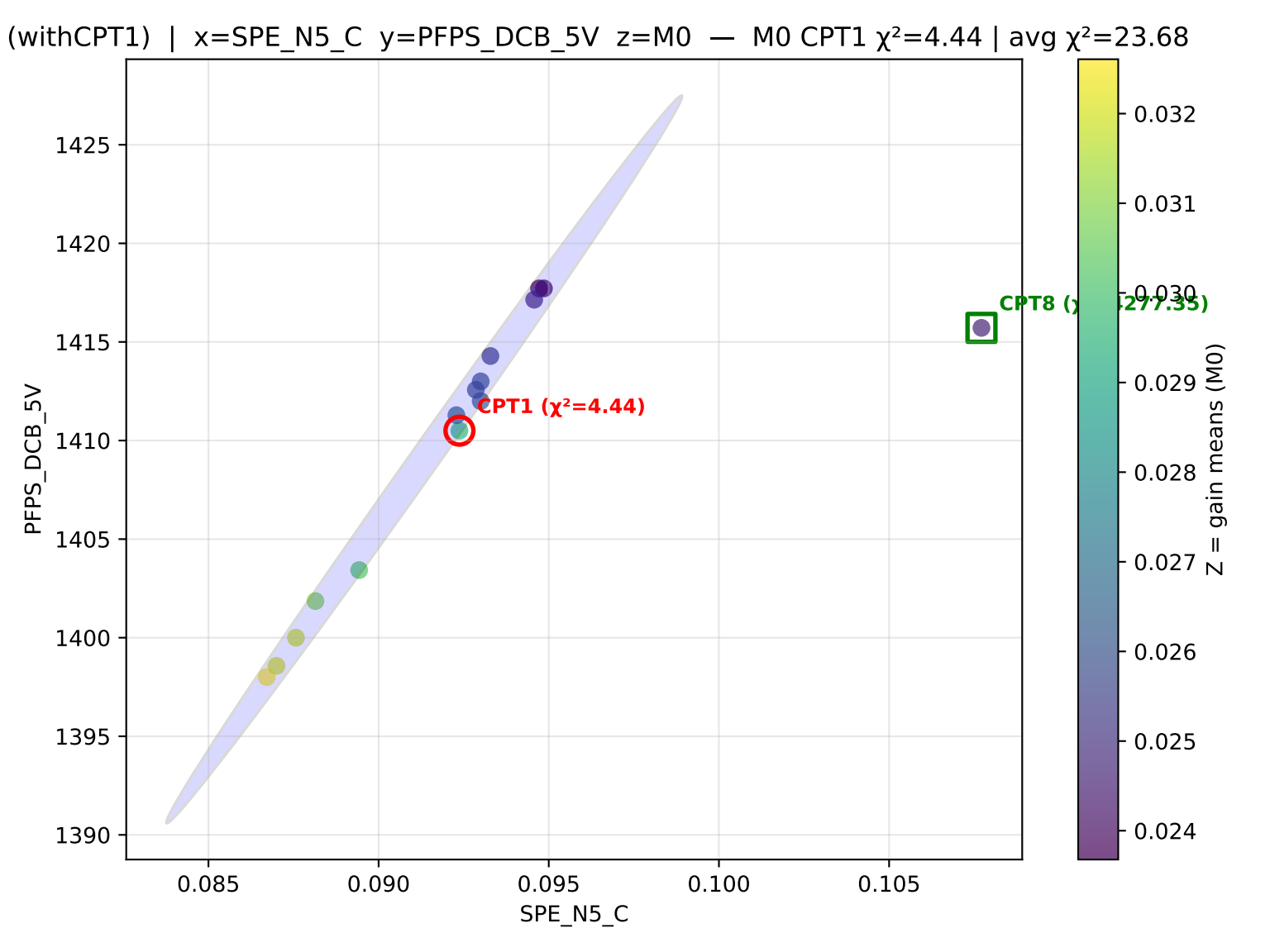

(withCPT1) | x=SPE_N5_C y=PFPS_DCB_5V z=H3 — H3 CPT1 χ²=41.19 | avg χ²=23.68
CPT1 (χ²=41.19)
CPT8 (χ²=656.97)
PFPS_DCB_5V
SPE_N5_C
Z = gain means (H3)
1425
1420
1415
1410
1405
1400
1395
1390
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
1.30
1.25
1.20
1.15
1.10
1.05
1.00

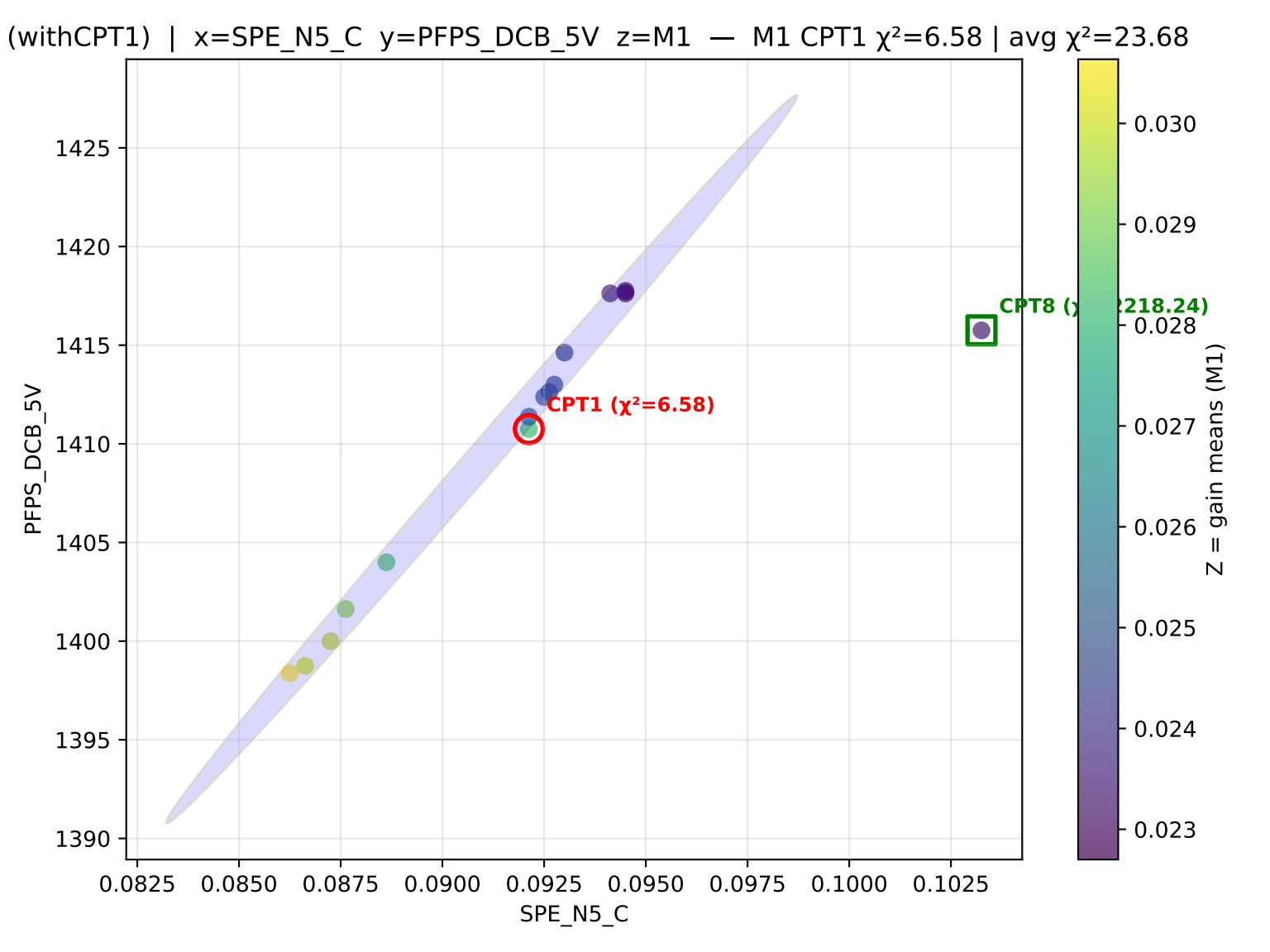

withCPT1) | x=SPE_N5_C y=PFPS_DCB_5V z=L0 — L0 CPT1 χ²=13.98 | avg χ²=23.68
CPT8 (χ²=255.23)
CPT1 (χ²=13.98)
PFPS_DCB_5V
SPE_N5_C
Z = gain means (L0)
1425
1420
1415
1410
1405
1400
1395
1390
0.088
0.090
0.092
0.094
0.096
0.098
0.100
0.102
0.104
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

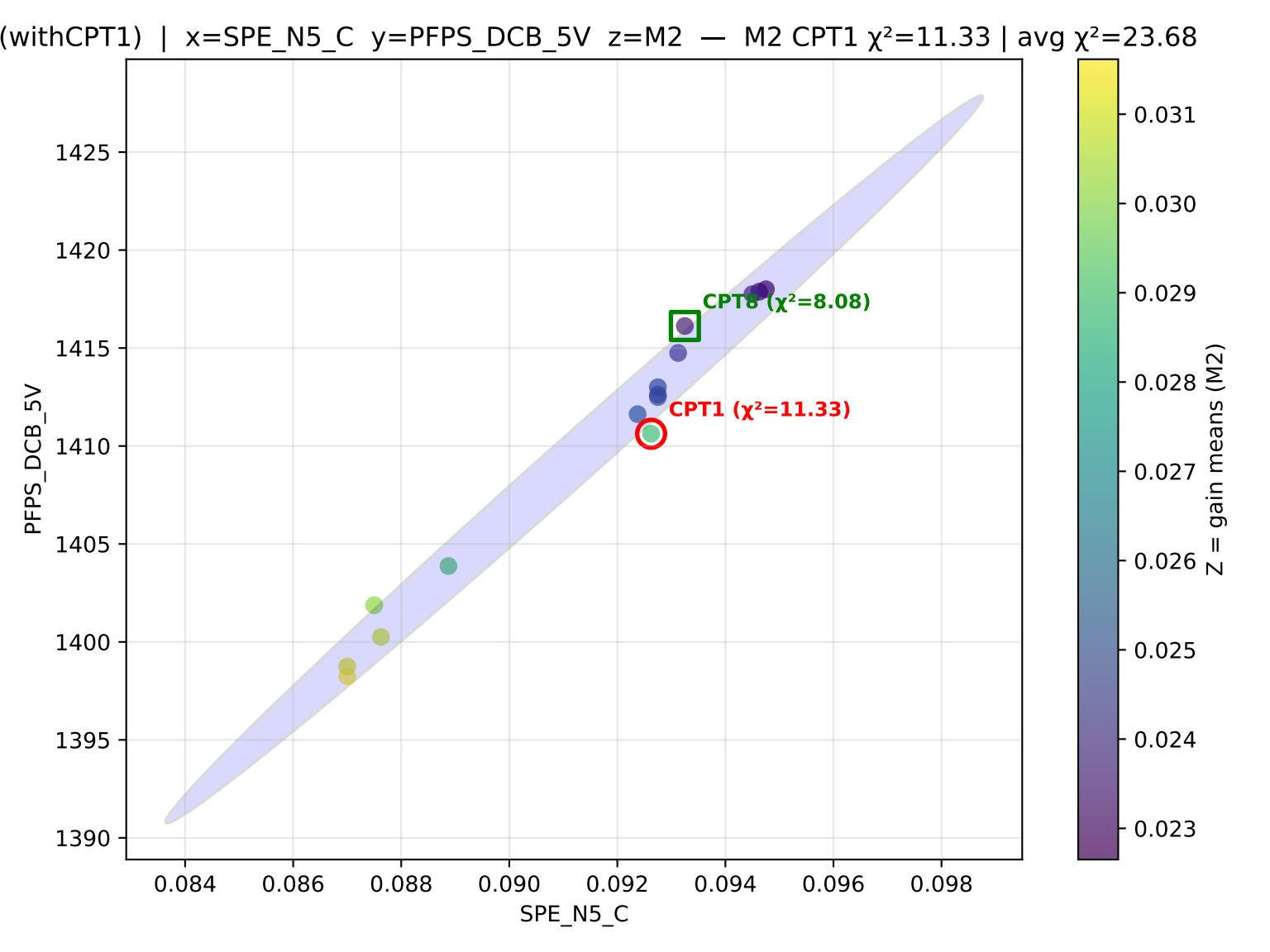

(withCPT1) | x=SPE_N5_C y=PFPS_DCB_5V z=L1 — L1 CPT1 χ²=9.79 | avg χ²=23.68
CPT8 (χ²=155.87)
CPT1 (χ²=9.79)
PFPS_DCB_5V
SPE_N5_C
Z = gain means (L1)
1425
1420
1415
1410
1405
1400
1395
1390
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052

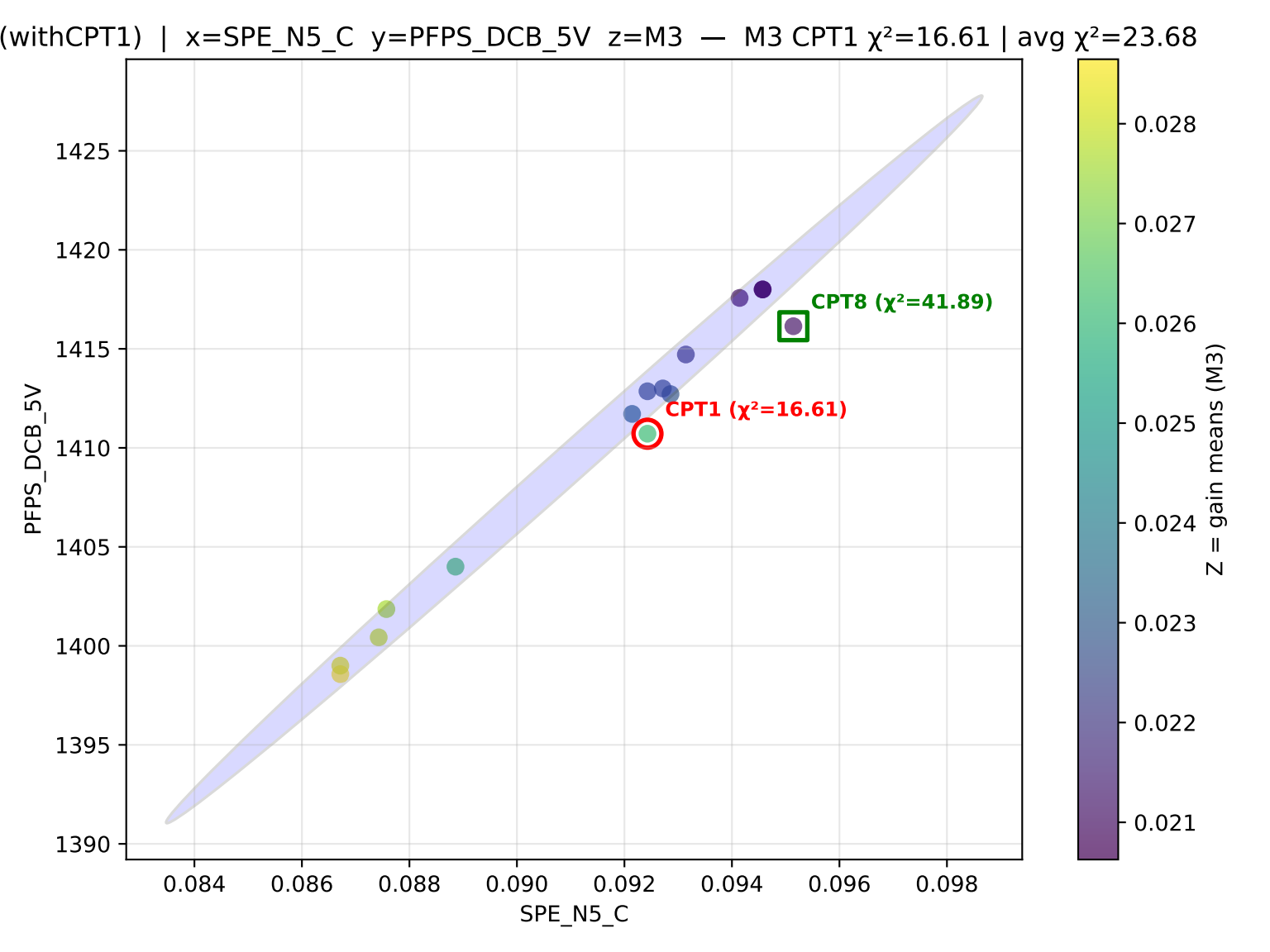

withCPT1) | x=SPE_N5_C y=PFPS_DCB_5V z=L2 — L2 CPT1 χ²=10.45 | avg χ²=23.68
CPT8 (χ²=1.57)
CPT1 (χ²=10.45)
PFPS_DCB_5V
SPE_N5_C
Z = gain means (L2)
1425
1420
1415
1410
1405
1400
1395
1390
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


withCPT1) | x=SPE_N5_C y=PFPS_DCB_5V z=L3 — L3 CPT1 χ²=11.74 | avg χ²=23.68
CPT1 (χ²=11.74)
CPT8 (χ²=
PFPS_DCB_5V
SPE_N5_C
Z = gain means (L3)
1425
1420
1415
1410
1405
1400
1395
1390
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.1050
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


(withCPT1) | x=SPE_N5_C y=PFPS_DCB_5V z=M0 — M0 CPT1 χ²=4.44 | avg χ²=23.68
CPT1 (χ²=4.44)
CPT8 (χ
277.35)
PFPS_DCB_5V
SPE_N5_C
Z = gain means (M0)
1425
1420
1415
1410
1405
1400
1395
1390
0.085
0.090
0.095
0.100
0.105
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

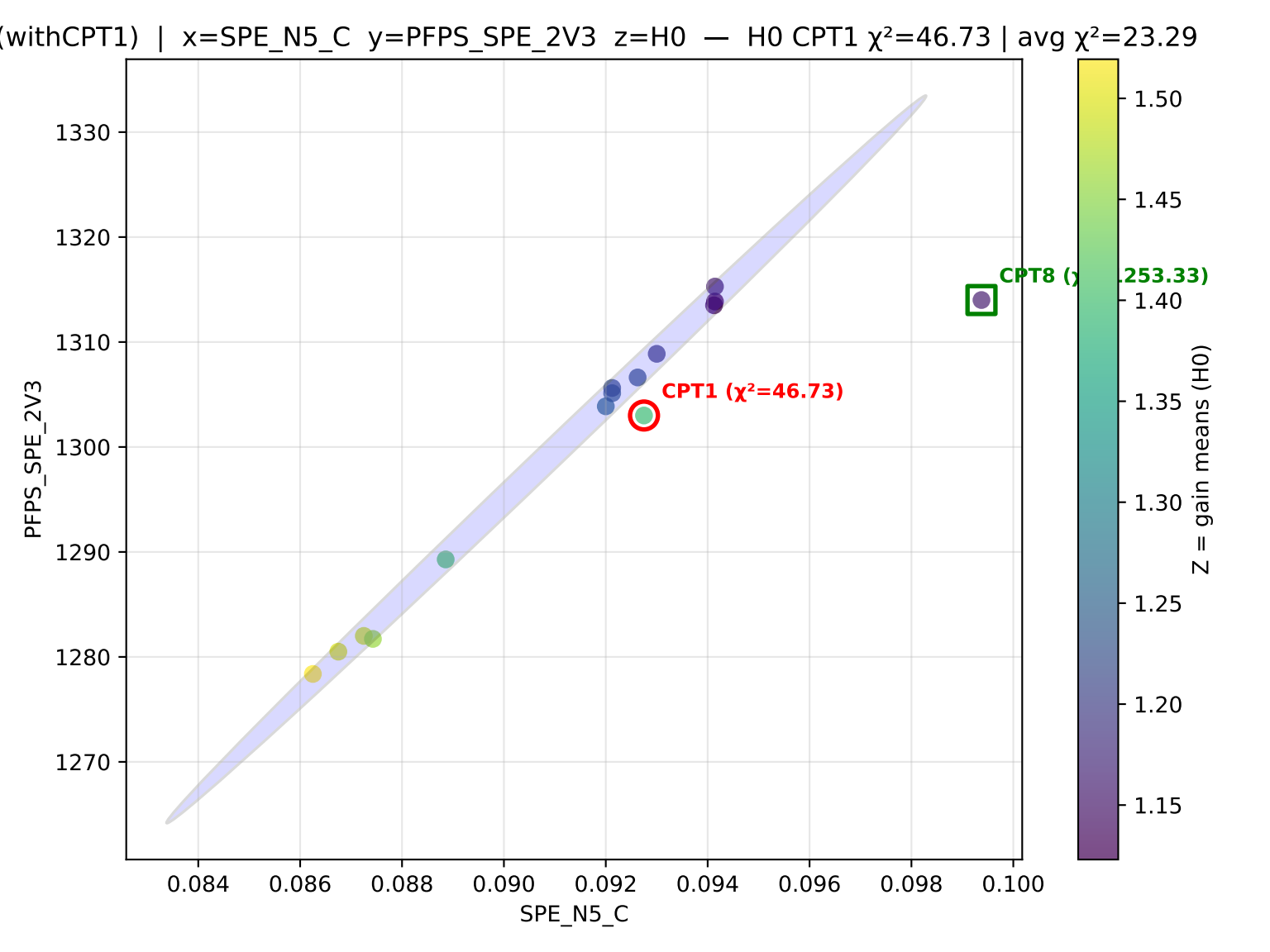

(withCPT1) | x=SPE_N5_C y=PFPS_DCB_5V z=M1 — M1 CPT1 χ²=6.58 | avg χ²=23.68
CPT1 (χ²=6.58)
CPT8 (χ
2218.24)
PFPS_DCB_5V
SPE_N5_C
Z = gain means (M1)
1425
1420
1415
1410
1405
1400
1395
1390
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

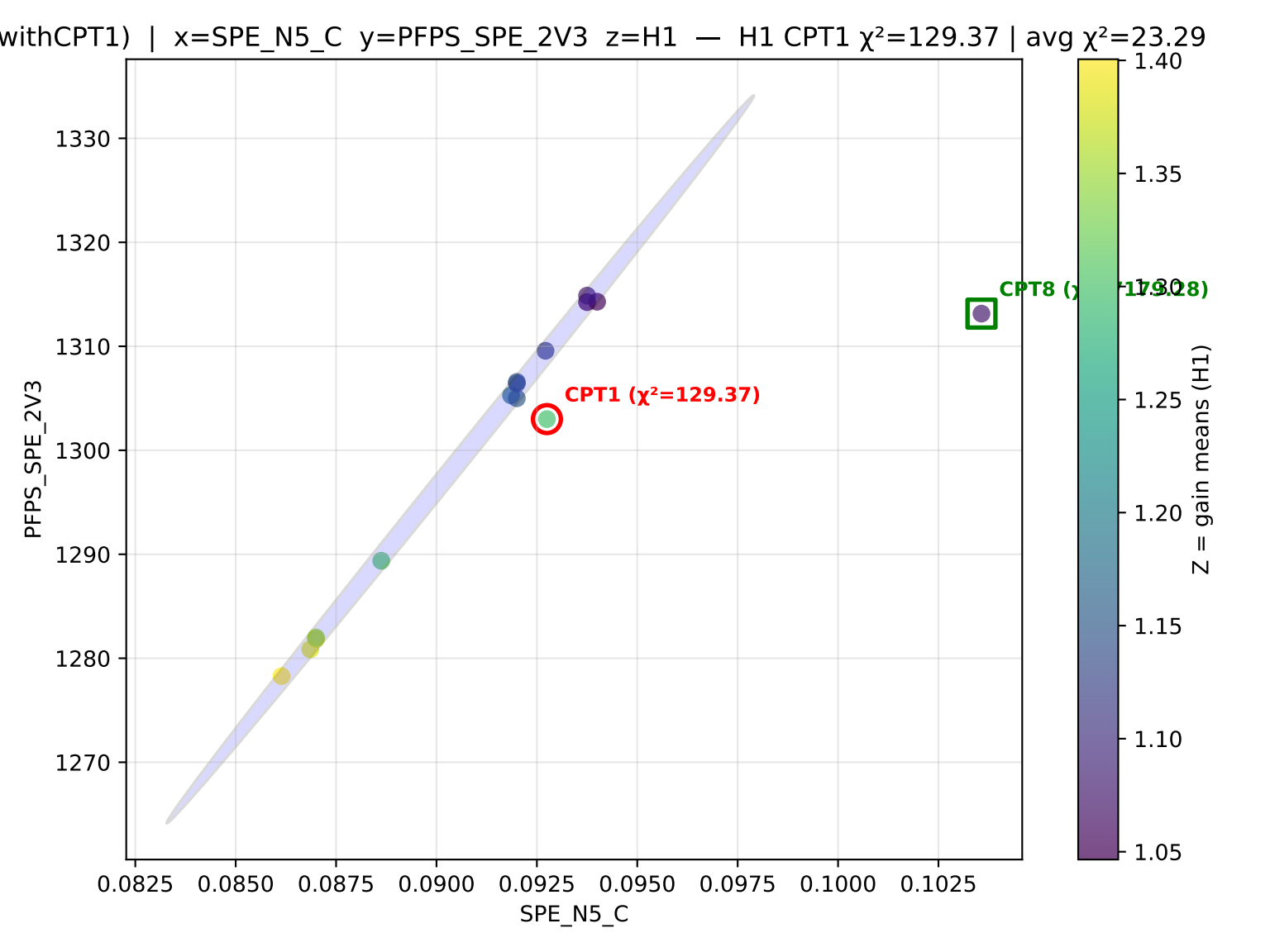

(withCPT1) | x=SPE_N5_C y=PFPS_DCB_5V z=M2 — M2 CPT1 χ²=11.33 | avg χ²=23.68
CPT8 (χ²=8.08)
CPT1 (χ²=11.33)
PFPS_DCB_5V
SPE_N5_C
Z = gain means (M2)
1425
1420
1415
1410
1405
1400
1395
1390
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

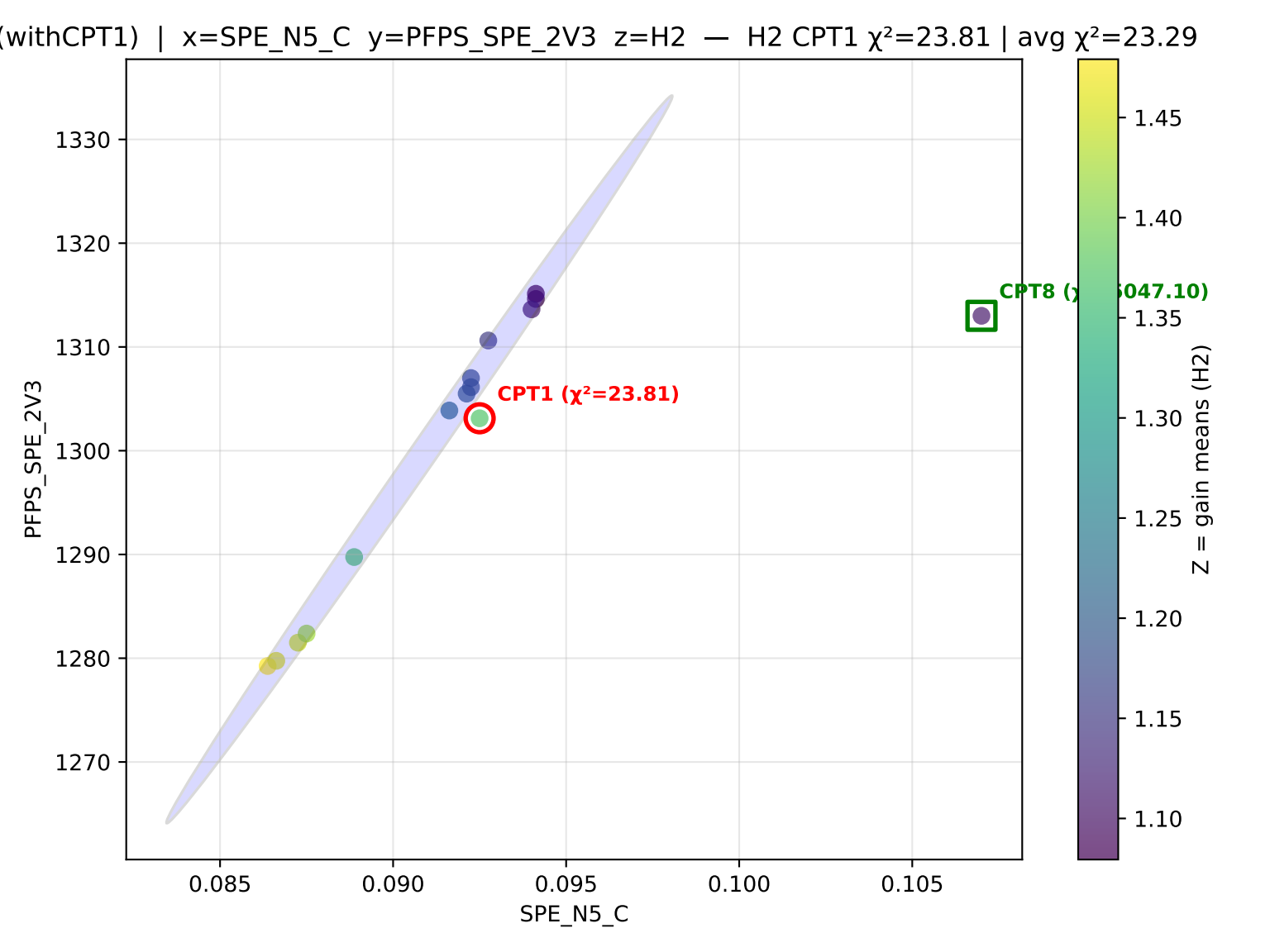

(withCPT1) | x=SPE_N5_C y=PFPS_DCB_5V z=M3 — M3 CPT1 χ²=16.61 | avg χ²=23.68
CPT8 (χ²=41.89)
CPT1 (χ²=16.61)
PFPS_DCB_5V
SPE_N5_C
Z = gain means (M3)
1425
1420
1415
1410
1405
1400
1395
1390
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

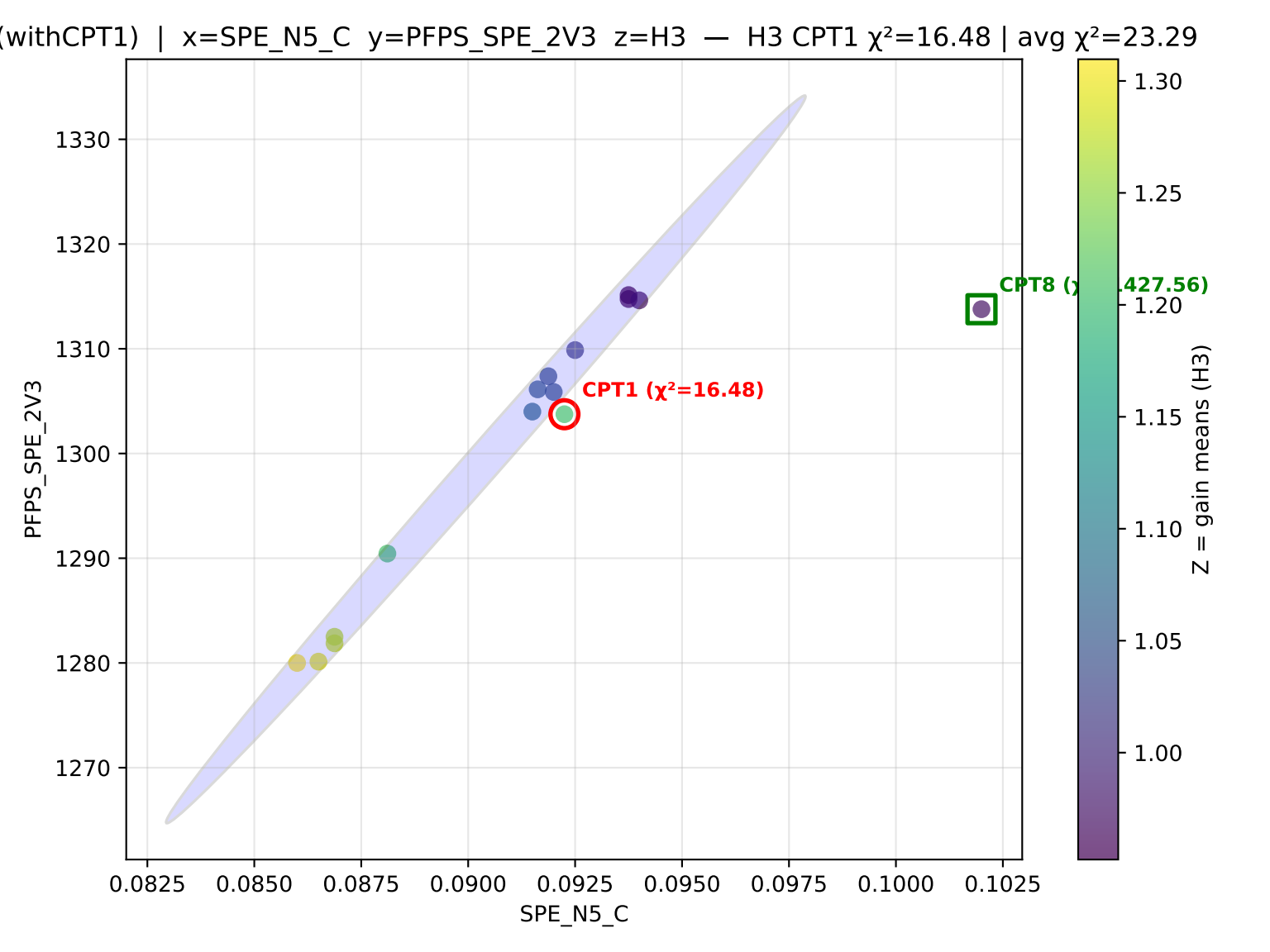
Pair: SPE_N5_C vs PFPS_SPE_2V3

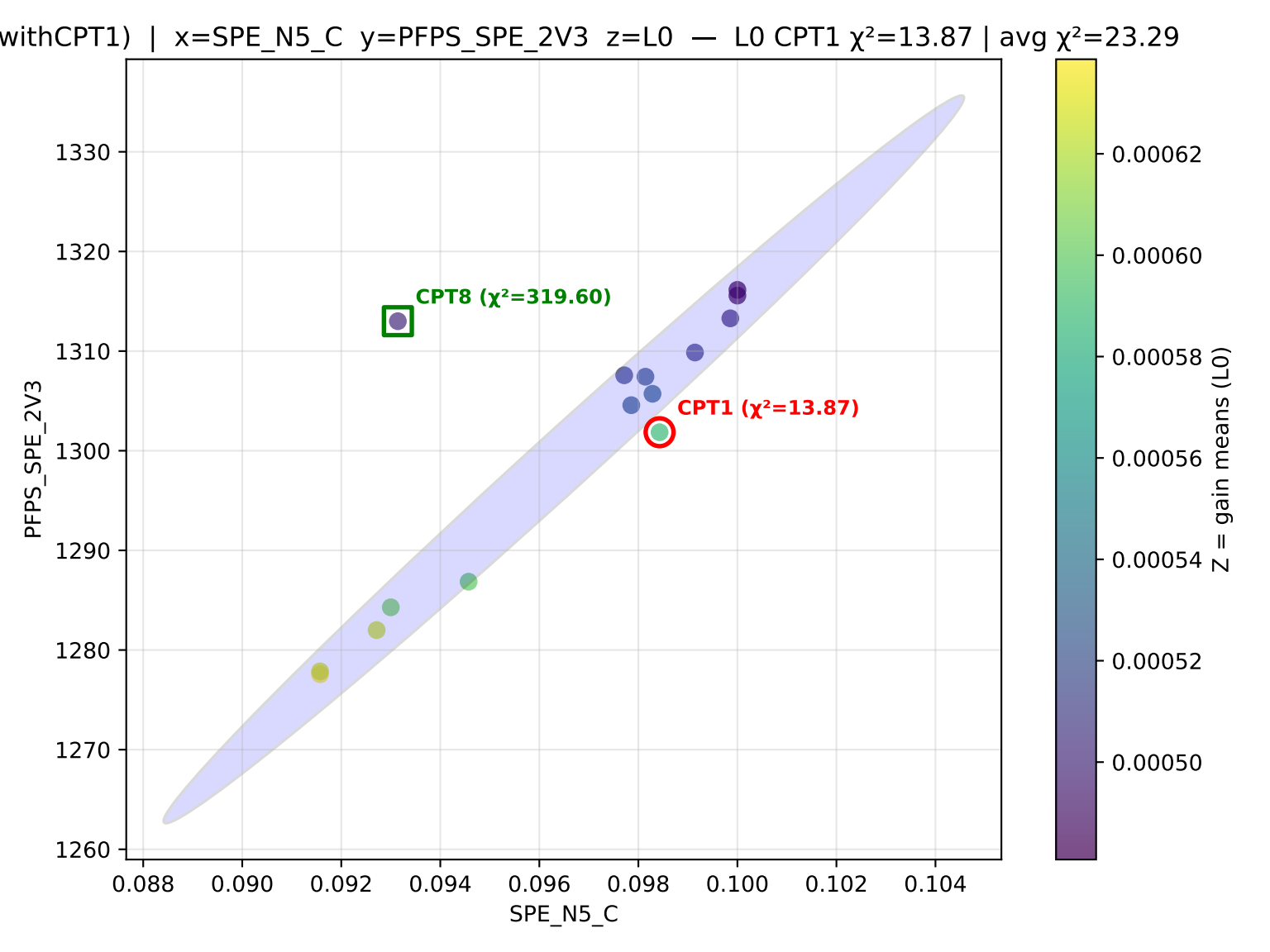
Average χ^2(CPT1) across settings: 23.29

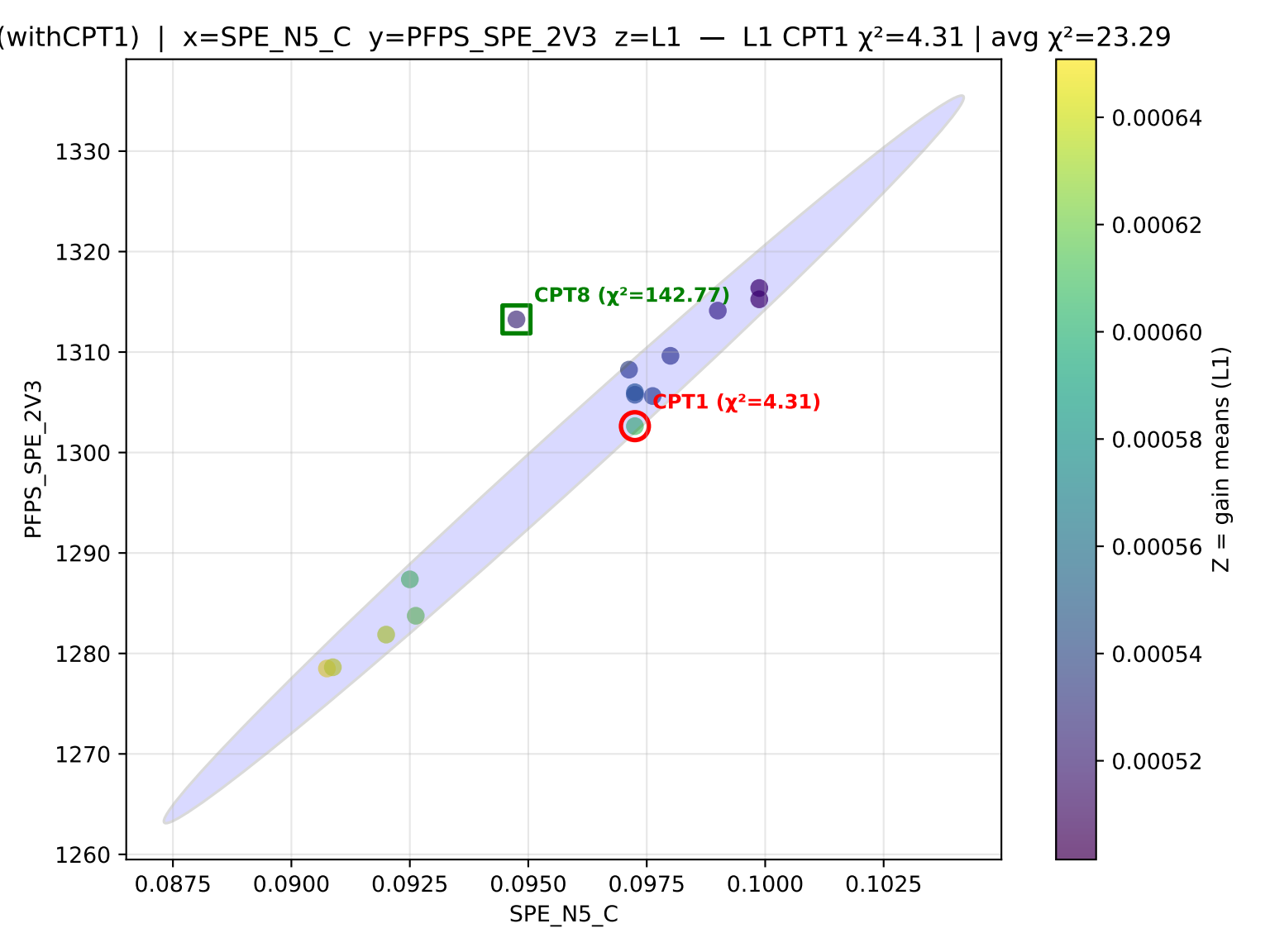

(withCPT1) | x=SPE_N5_C y=PFPS_SPE_2V3 z=H0 — H0 CPT1 χ²=46.73 | avg χ²=23.29
CPT1 (χ²=46.73)
CPT8 (χ
.253.33)
PFPS_SPE_2V3
SPE_N5_C
Z = gain means (H0)
1330
1320
1310
1300
1290
1280
1270
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.100
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

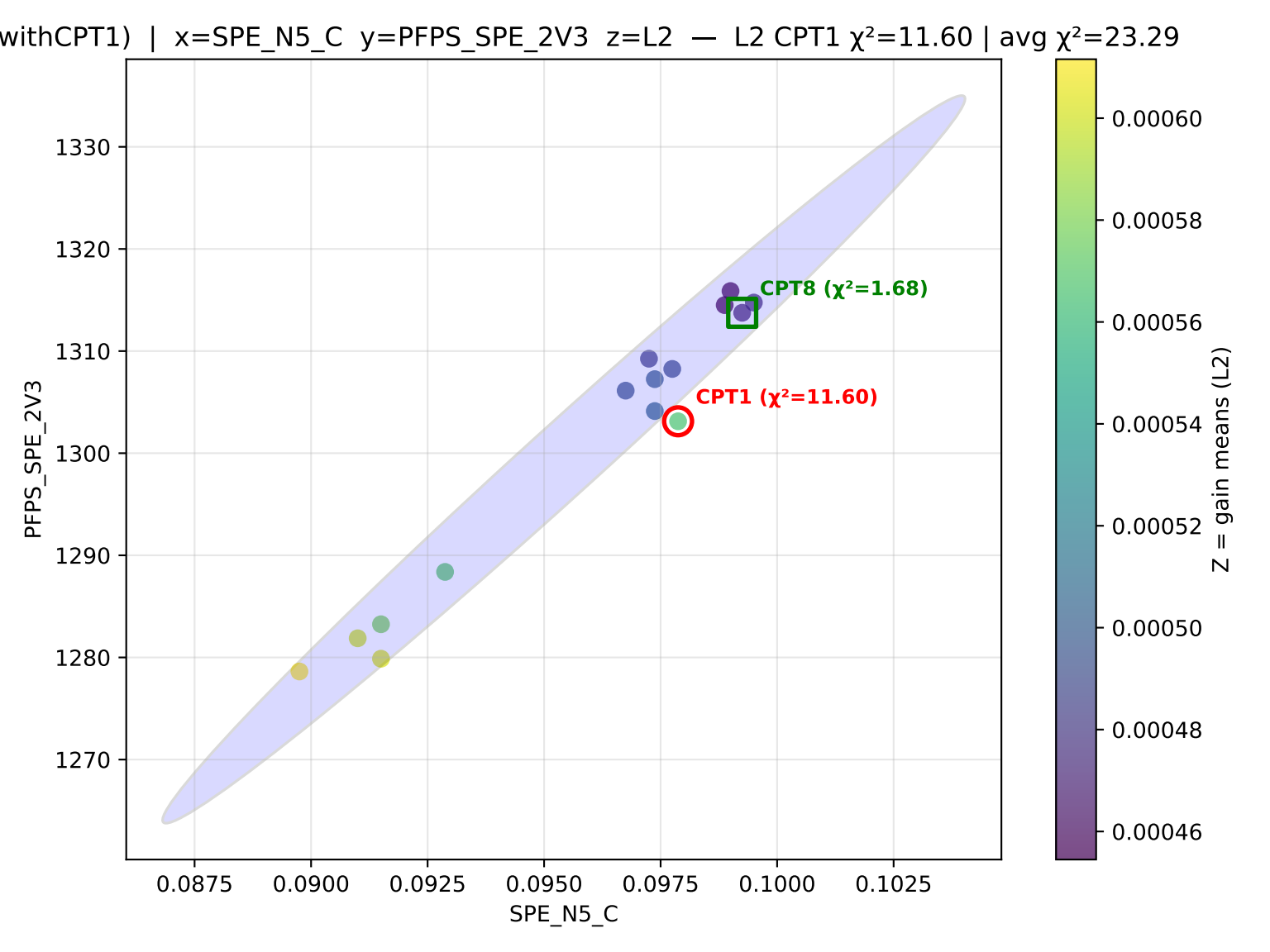

withCPT1) | x=SPE_N5_C y=PFPS_SPE_2V3 z=H1 — H1 CPT1 χ²=129.37 | avg χ²=23.29
CPT1 (χ²=129.37)
CPT8 (χ²=179.28)
PFPS_SPE_2V3
SPE_N5_C
Z = gain means (H1)
1330
1320
1310
1300
1290
1280
1270
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

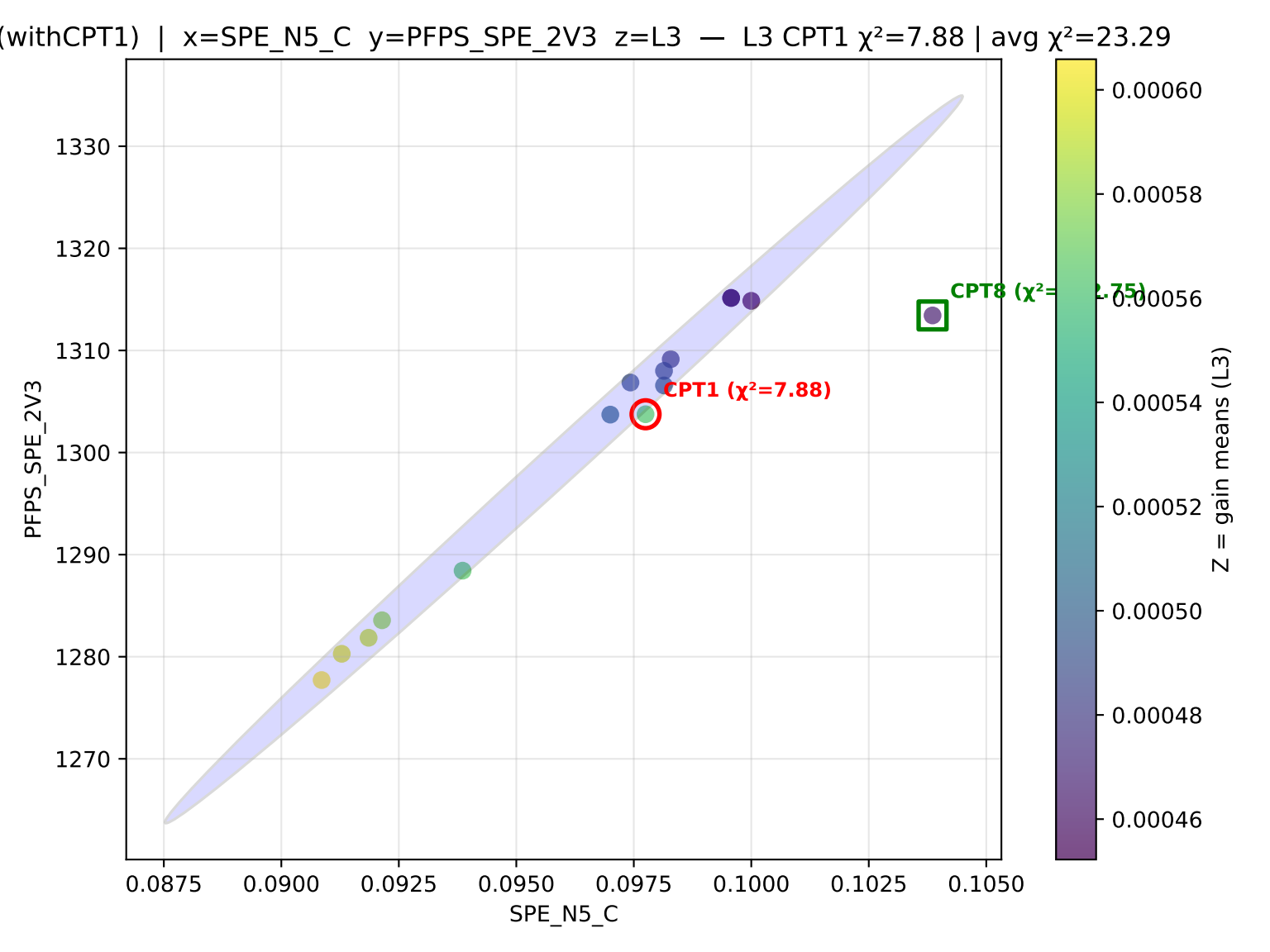

(withCPT1) | x=SPE_N5_C y=PFPS_SPE_2V3 z=H2 — H2 CPT1 χ²=23.81 | avg χ²=23.29
CPT1 (χ²=23.81)
CPT8 (χ
047.10)
PFPS_SPE_2V3
SPE_N5_C
Z = gain means (H2)
1330
1320
1310
1300
1290
1280
1270
0.085
0.090
0.095
0.100
0.105
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10

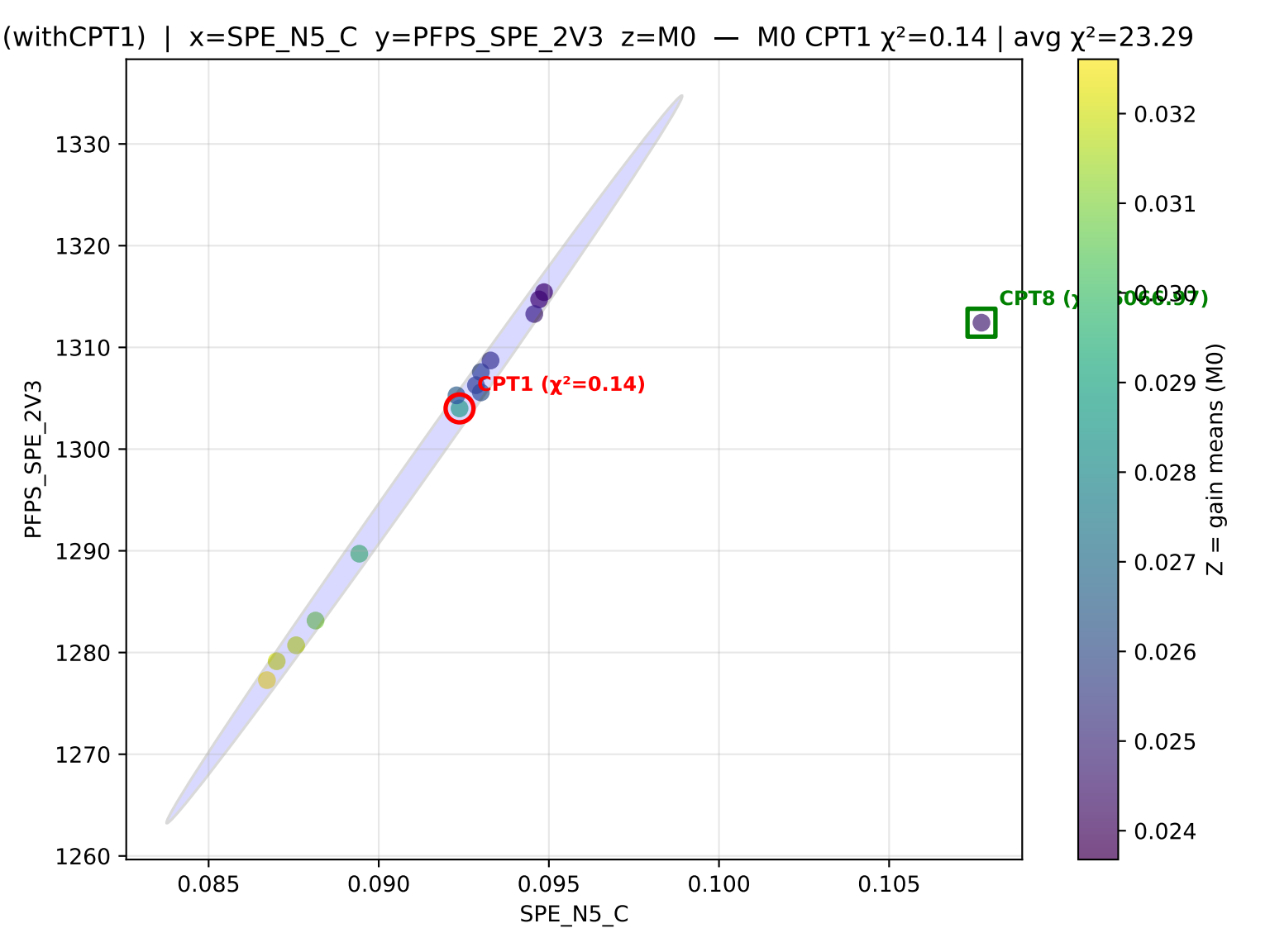

(withCPT1) | x=SPE_N5_C y=PFPS_SPE_2V3 z=H3 — H3 CPT1 χ²=16.48 | avg χ²=23.29
CPT1 (χ²=16.48)
CPT8 (χ
.427.56)
PFPS_SPE_2V3
SPE_N5_C
Z = gain means (H3)
1330
1320
1310
1300
1290
1280
1270
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
1.30
1.25
1.20
1.15
1.10
1.05
1.00

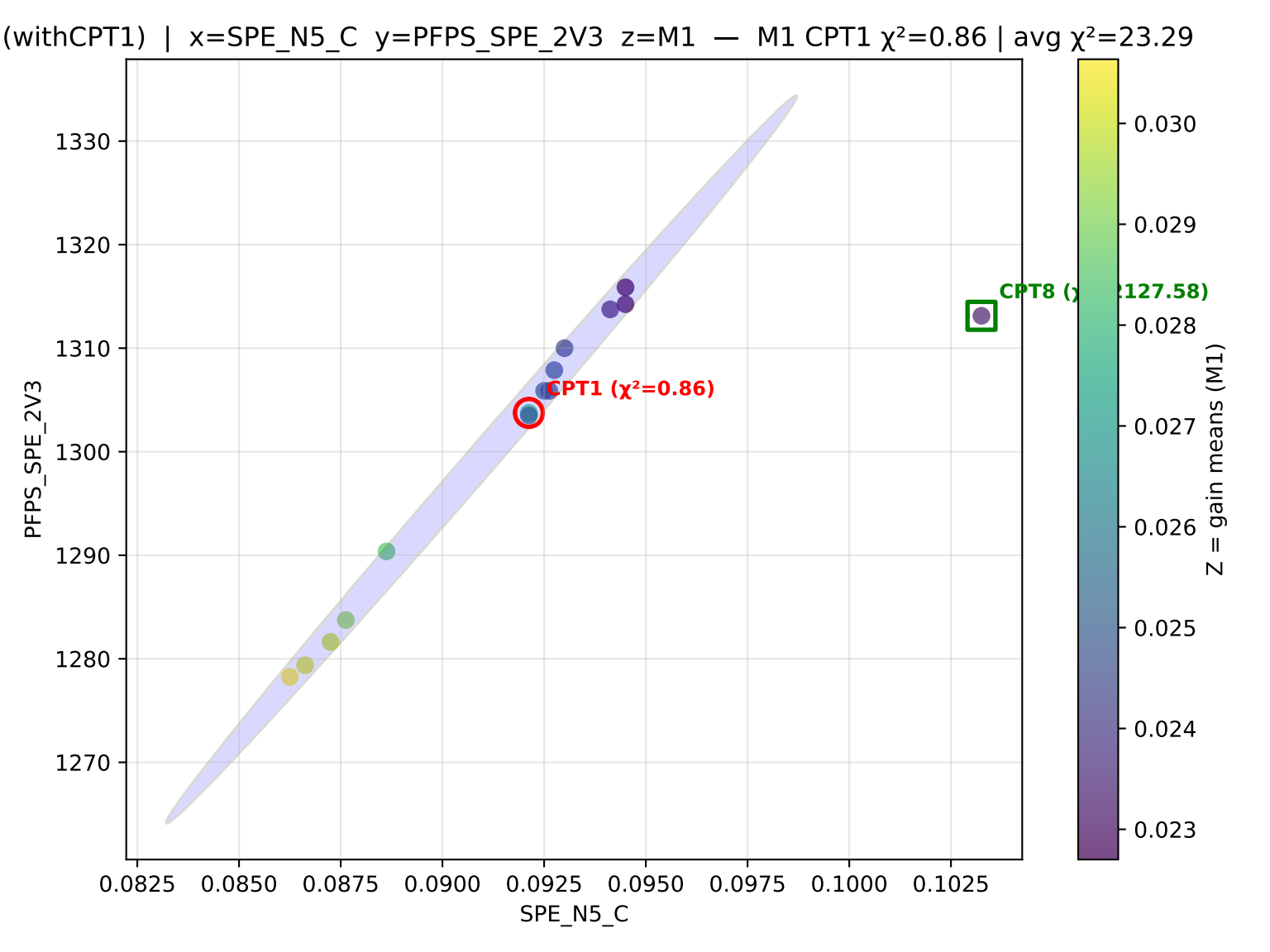

withCPT1) | x=SPE_N5_C y=PFPS_SPE_2V3 z=L0 — L0 CPT1 χ²=13.87 | avg χ²=23.29
CPT8 (χ²=319.60)
CPT1 (χ²=13.87)
PFPS_SPE_2V3
SPE_N5_C
Z = gain means (L0)
1330
1320
1310
1300
1290
1280
1270
1260
0.088
0.090
0.092
0.094
0.096
0.098
0.100
0.102
0.104
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

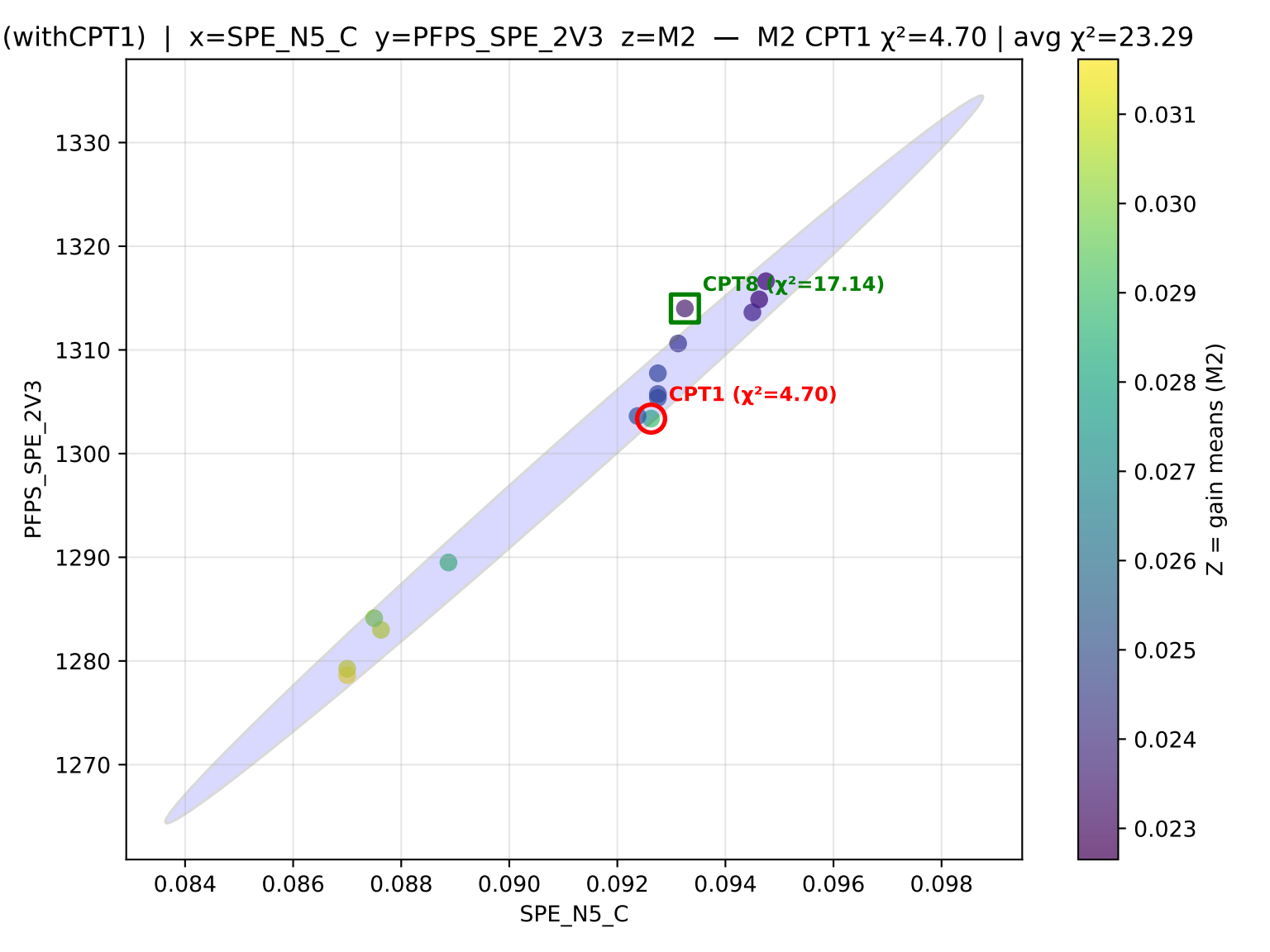

(withCPT1) | x=SPE_N5_C y=PFPS_SPE_2V3 z=L1 — L1 CPT1 χ²=4.31 | avg χ²=23.29
CPT8 (χ²=142.77)
CPT1 (χ²=4.31)
PFPS_SPE_2V3
SPE_N5_C
Z = gain means (L1)
1330
1320
1310
1300
1290
1280
1270
1260
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052

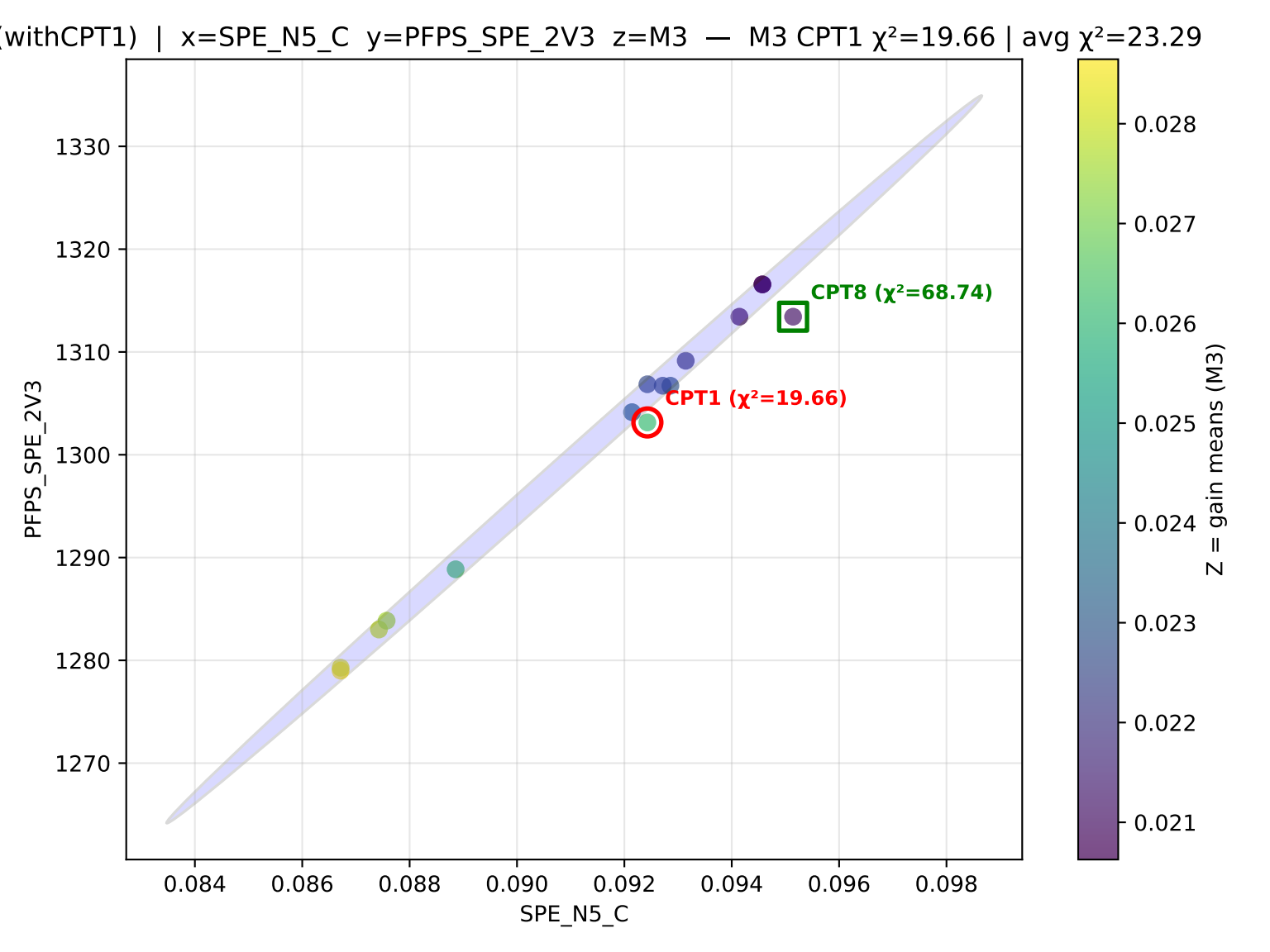

withCPT1) | x=SPE_N5_C y=PFPS_SPE_2V3 z=L2 — L2 CPT1 χ²=11.60 | avg χ²=23.29
CPT8 (χ²=1.68)
CPT1 (χ²=11.60)
PFPS_SPE_2V3
SPE_N5_C
Z = gain means (L2)
1330
1320
1310
1300
1290
1280
1270
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


(withCPT1) | x=SPE_N5_C y=PFPS_SPE_2V3 z=L3 — L3 CPT1 χ²=7.88 | avg χ²=23.29
CPT1 (χ²=7.88)
CPT8 (χ²=
2.75)
PFPS_SPE_2V3
SPE_N5_C
Z = gain means (L3)
1330
1320
1310
1300
1290
1280
1270
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.1050
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


(withCPT1) | x=SPE_N5_C y=PFPS_SPE_2V3 z=M0 — M0 CPT1 χ²=0.14 | avg χ²=23.29
CPT1 (χ²=0.14)
CPT8 (χ
PFPS_SPE_2V3
SPE_N5_C
Z = gain means (M0)
1330
1320
1310
1300
1290
1280
1270
1260
0.085
0.090
0.095
0.100
0.105
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

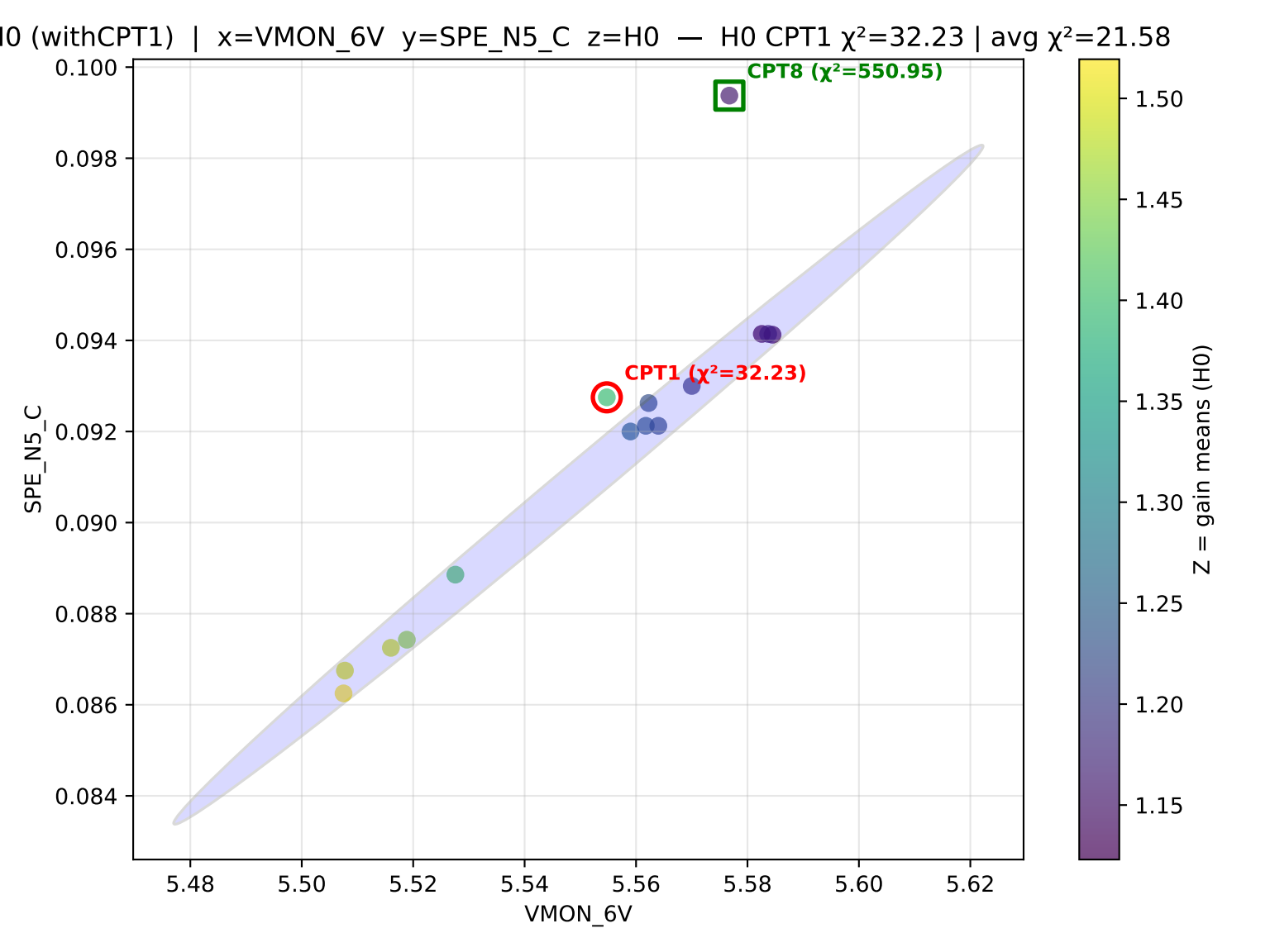

(withCPT1) | x=SPE_N5_C y=PFPS_SPE_2V3 z=M1 — M1 CPT1 χ²=0.86 | avg χ²=23.29
CPT1 (χ²=0.86)
CPT8 (χ
127.58)
PFPS_SPE_2V3
SPE_N5_C
Z = gain means (M1)
1330
1320
1310
1300
1290
1280
1270
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

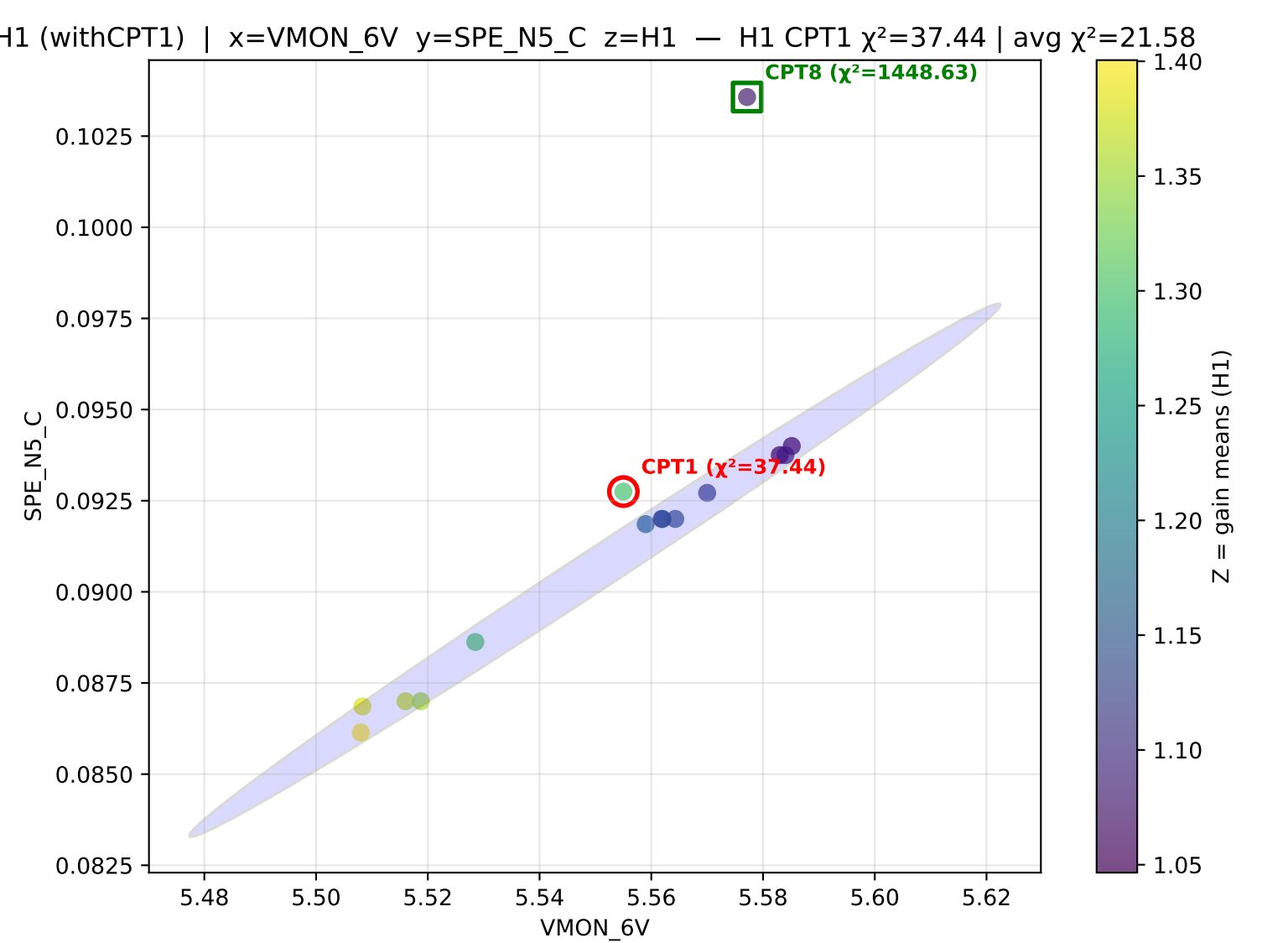

(withCPT1) | x=SPE_N5_C y=PFPS_SPE_2V3 z=M2 — M2 CPT1 χ²=4.70 | avg χ²=23.29
CPT8 (χ²=17.14)
CPT1 (χ²=4.70)
PFPS_SPE_2V3
SPE_N5_C
Z = gain means (M2)
1330
1320
1310
1300
1290
1280
1270
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

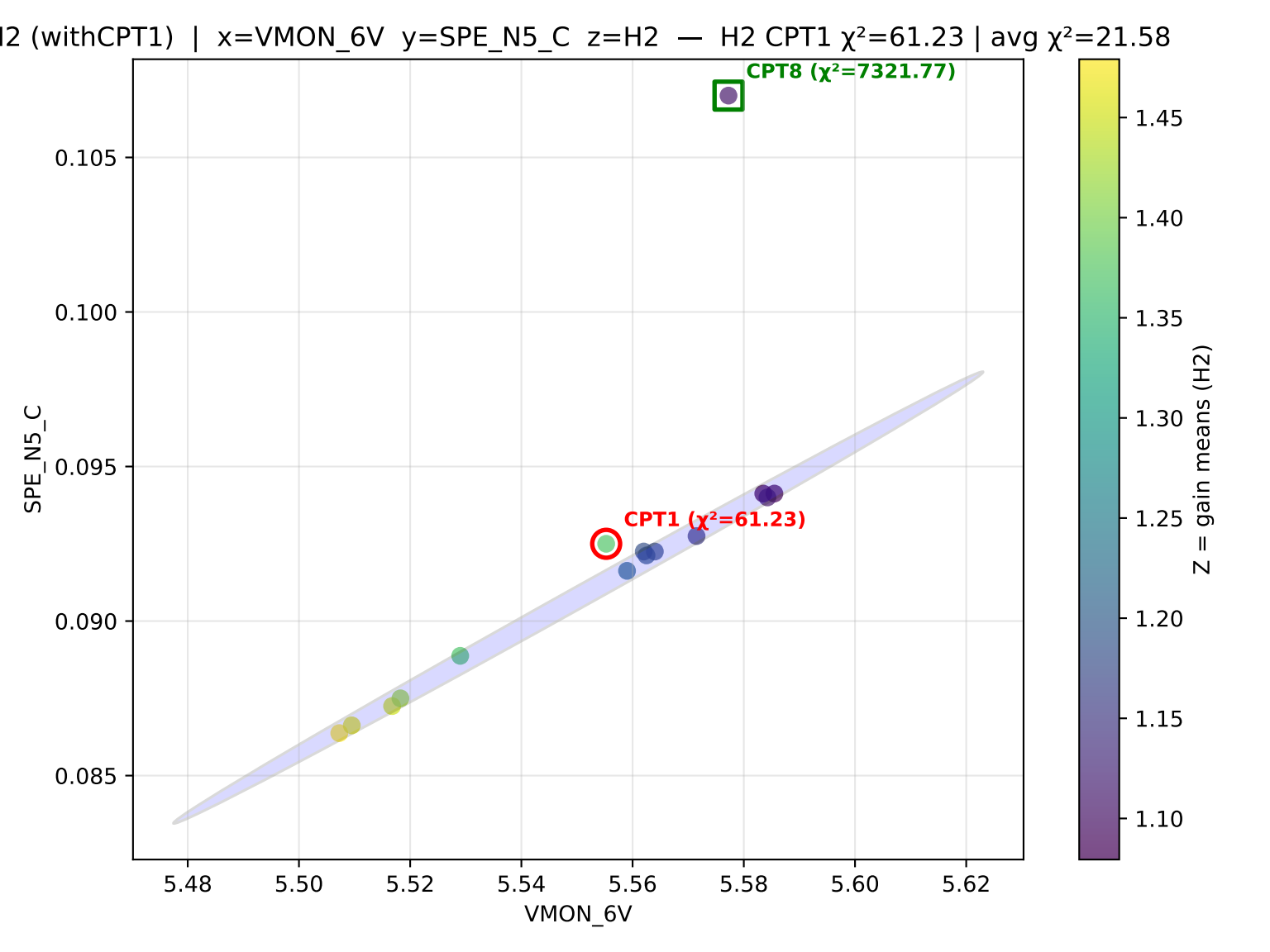

(withCPT1) | x=SPE_N5_C y=PFPS_SPE_2V3 z=M3 — M3 CPT1 χ²=19.66 | avg χ²=23.29
CPT8 (χ²=68.74)
CPT1 (χ²=19.66)
PFPS_SPE_2V3
SPE_N5_C
Z = gain means (M3)
1330
1320
1310
1300
1290
1280
1270
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

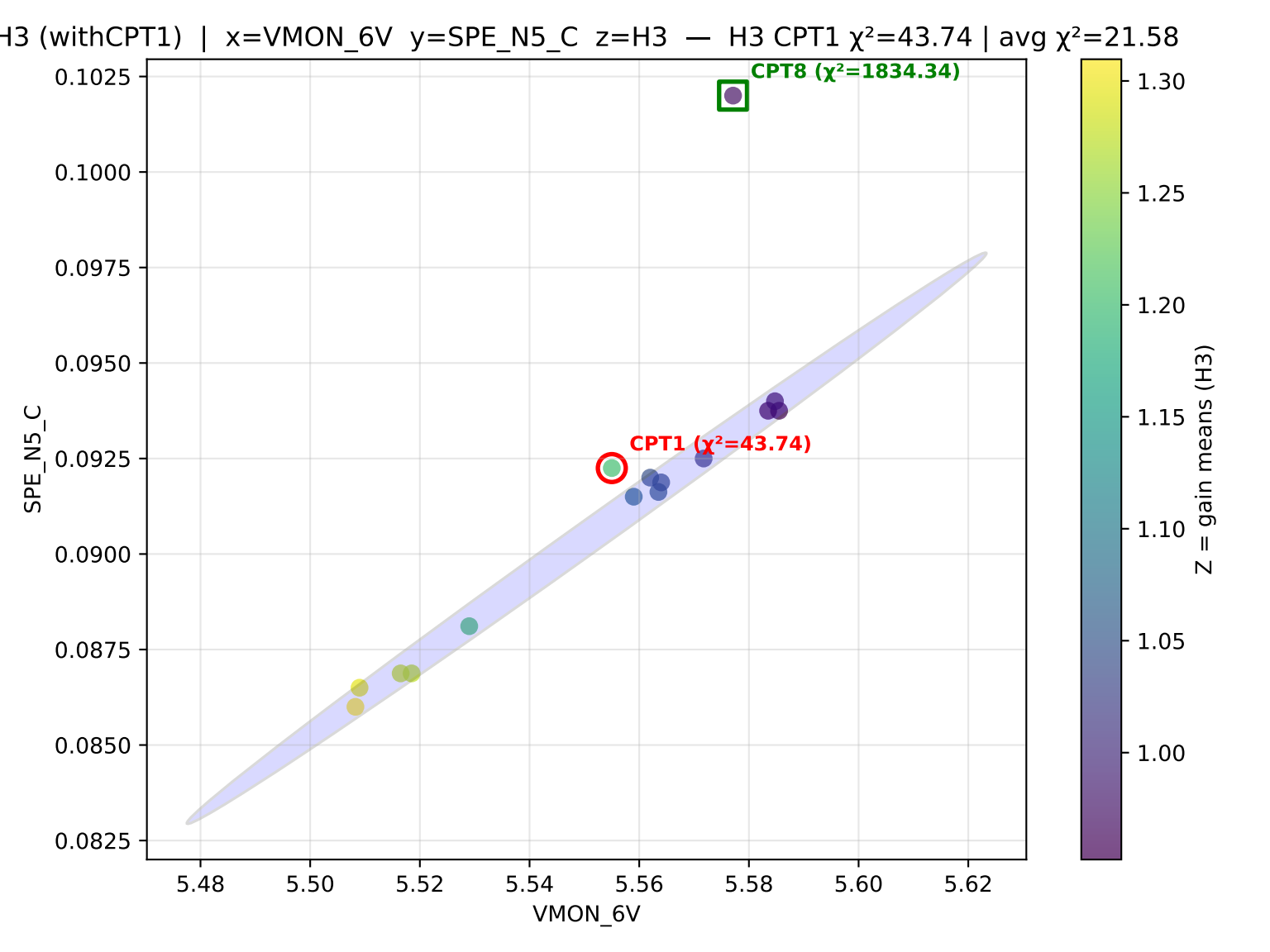
Pair: VMON_6V vs SPE_N5_C

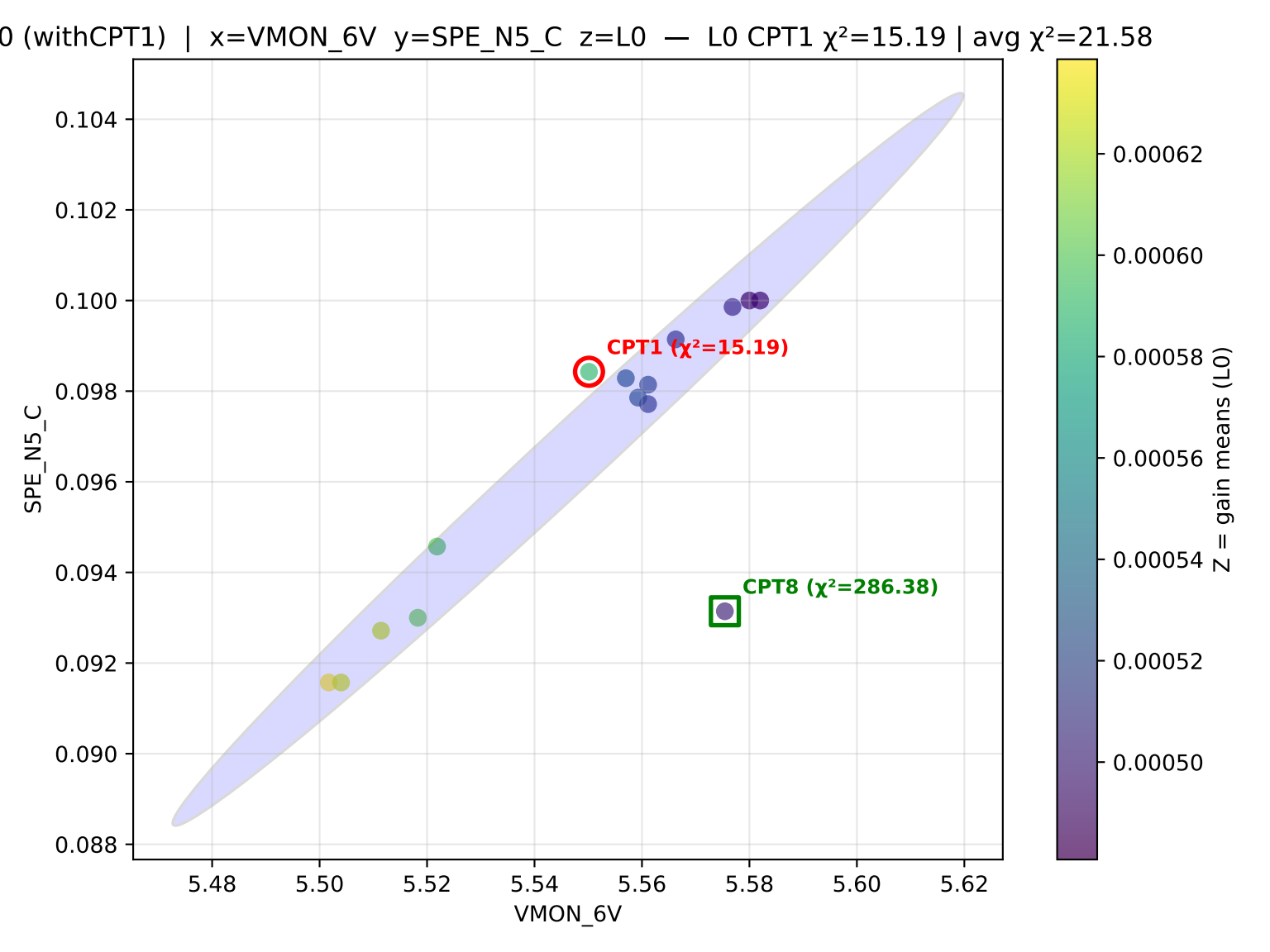
Average χ^2(CPT1) across settings: 21.58

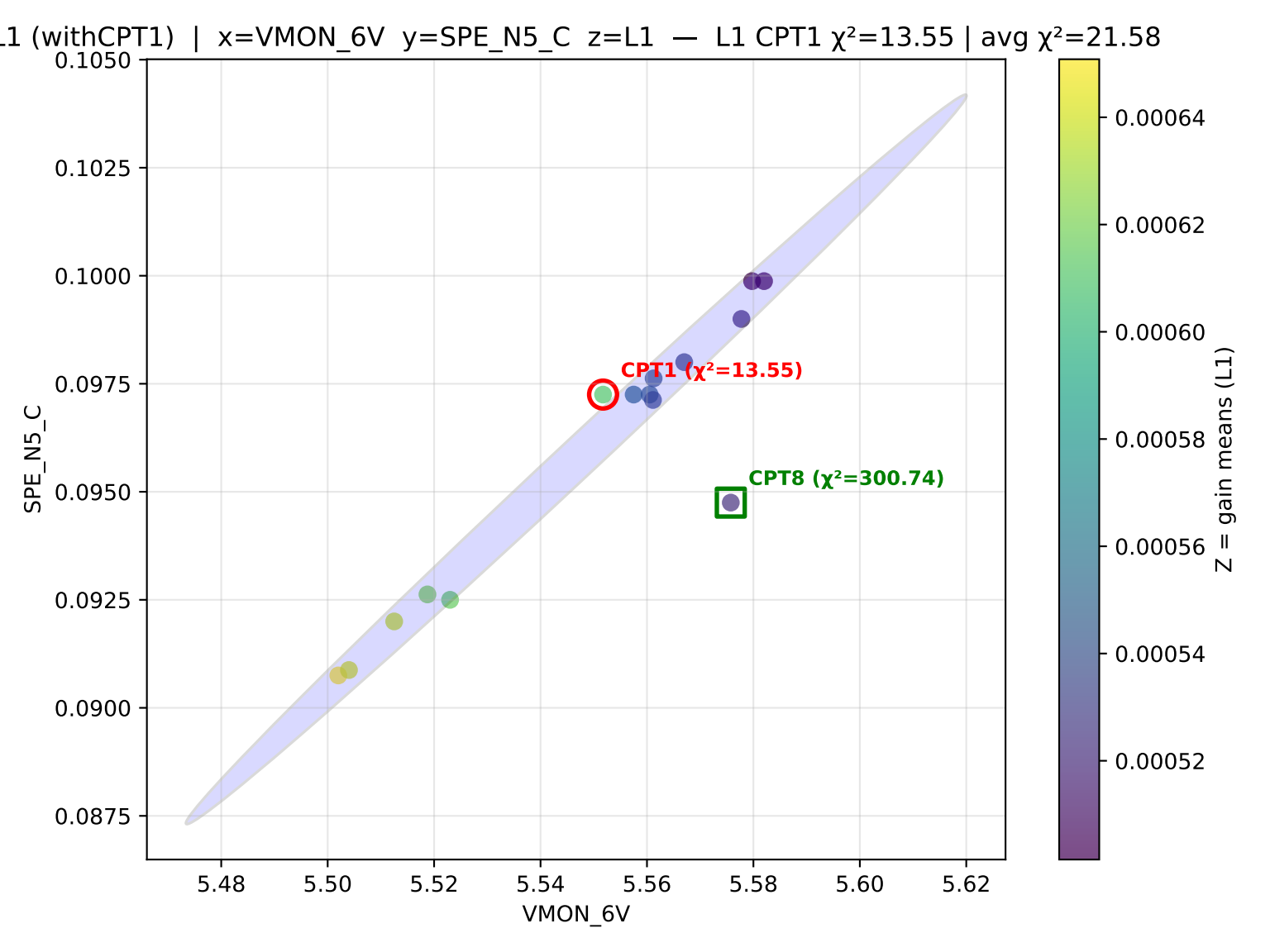

H0 (withCPT1) | x=VMON_6V y=SPE_N5_C z=H0 — H0 CPT1 χ²=32.23 | avg χ²=21.58
CPT8 (χ²=550.95)
CPT1 (χ²=32.23)
SPE_N5_C
VMON_6V
Z = gain means (H0)
0.100
0.098
0.096
0.094
0.092
0.090
0.088
0.086
0.084
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

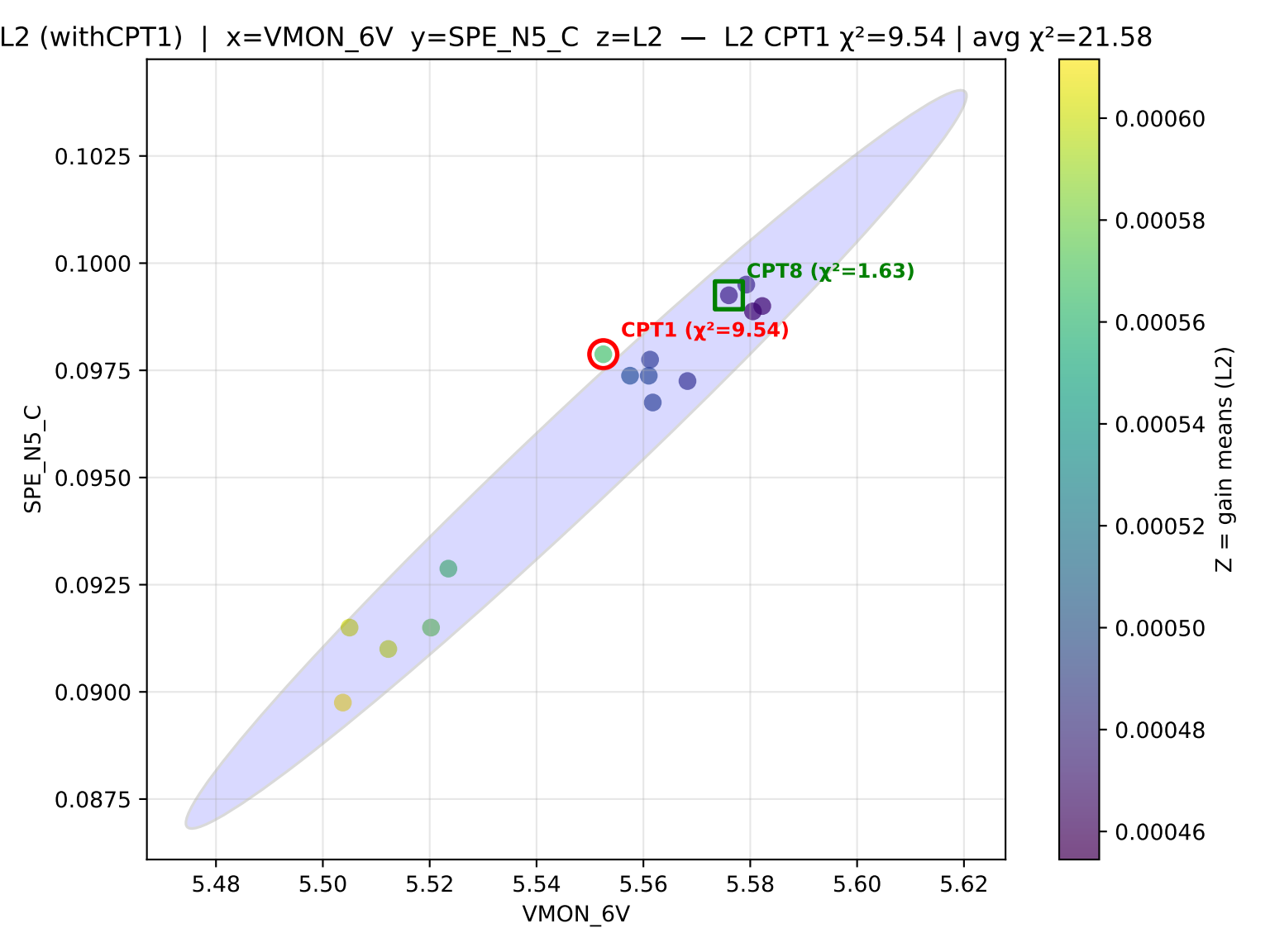

H1 (withCPT1) | x=VMON_6V y=SPE_N5_C z=H1 — H1 CPT1 χ²=37.44 | avg χ²=21.58
CPT8 (χ²=1448.63)
CPT1 (χ²=37.44)
SPE_N5_C
VMON_6V
Z = gain means (H1)
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
0.0850
0.0825
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

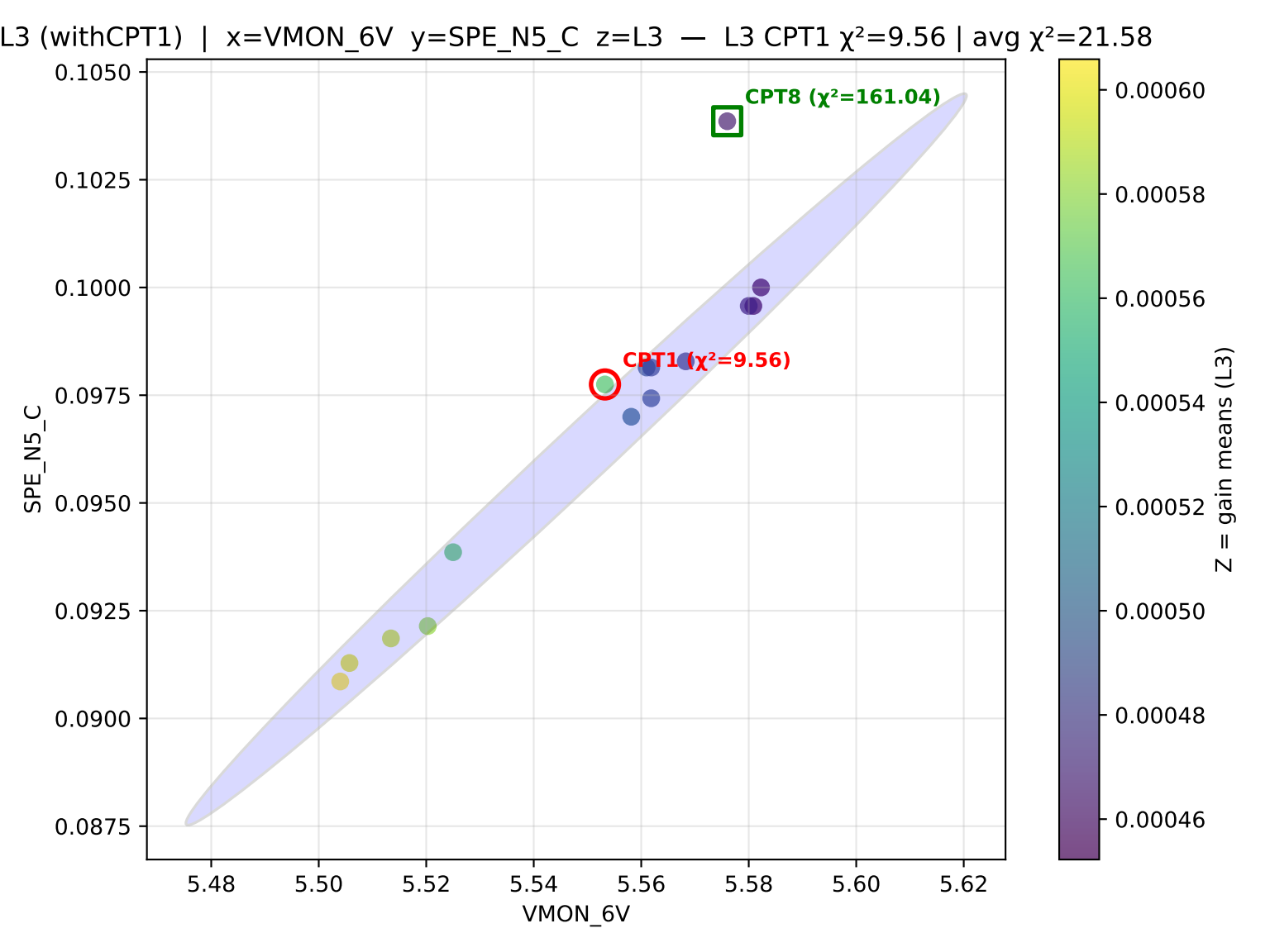

H2 (withCPT1) | x=VMON_6V y=SPE_N5_C z=H2 — H2 CPT1 χ²=61.23 | avg χ²=21.58
CPT8 (χ²=7321.77)
CPT1 (χ²=61.23)
SPE_N5_C
VMON_6V
Z = gain means (H2)
0.105
0.100
0.095
0.090
0.085
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10

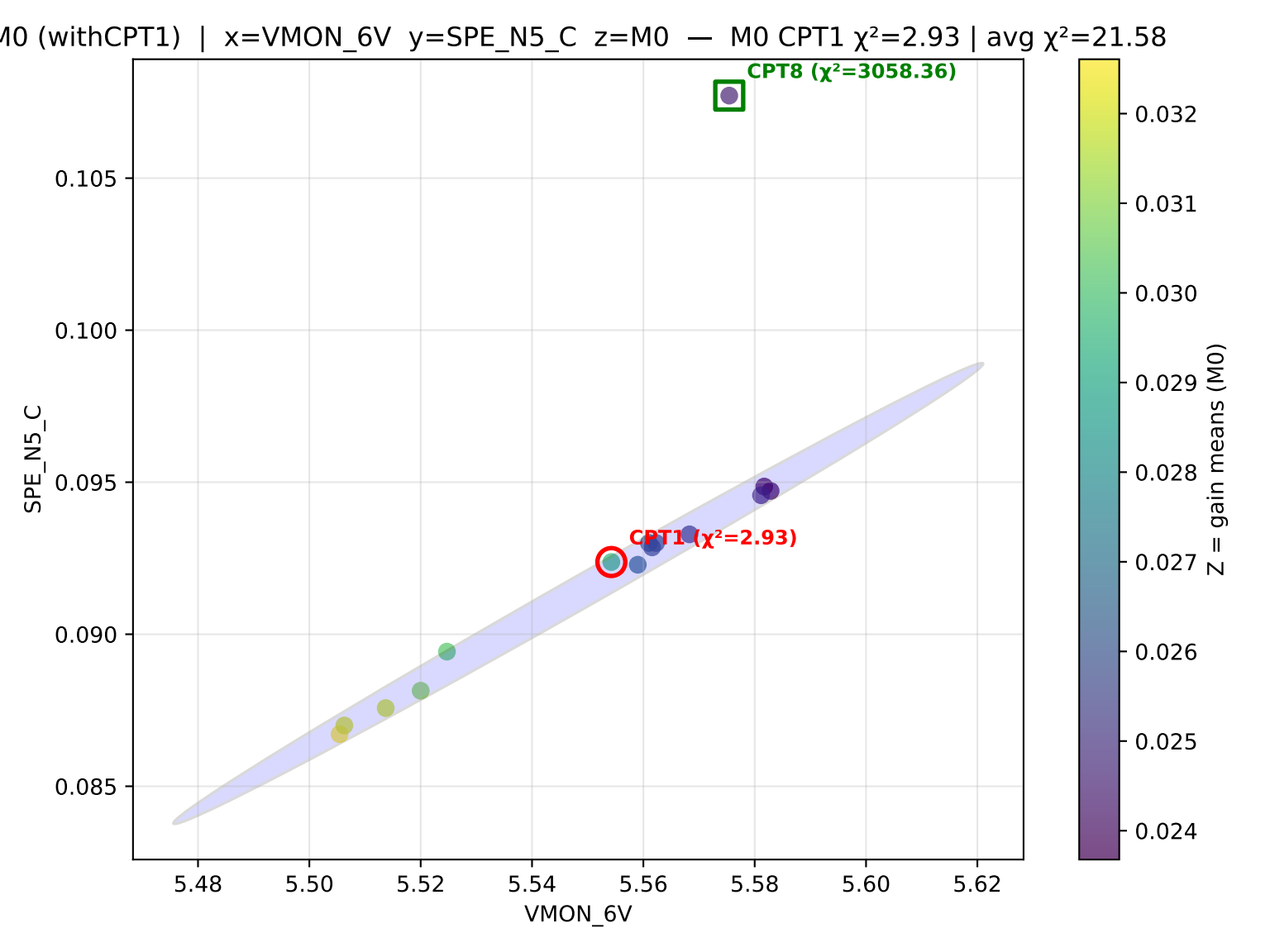

H3 (withCPT1) | x=VMON_6V y=SPE_N5_C z=H3 — H3 CPT1 χ²=43.74 | avg χ²=21.58
CPT8 (χ²=1834.34)
CPT1 (χ²=43.74)
SPE_N5_C
VMON_6V
Z = gain means (H3)
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
0.0850
0.0825
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
1.30
1.25
1.20
1.15
1.10
1.05
1.00

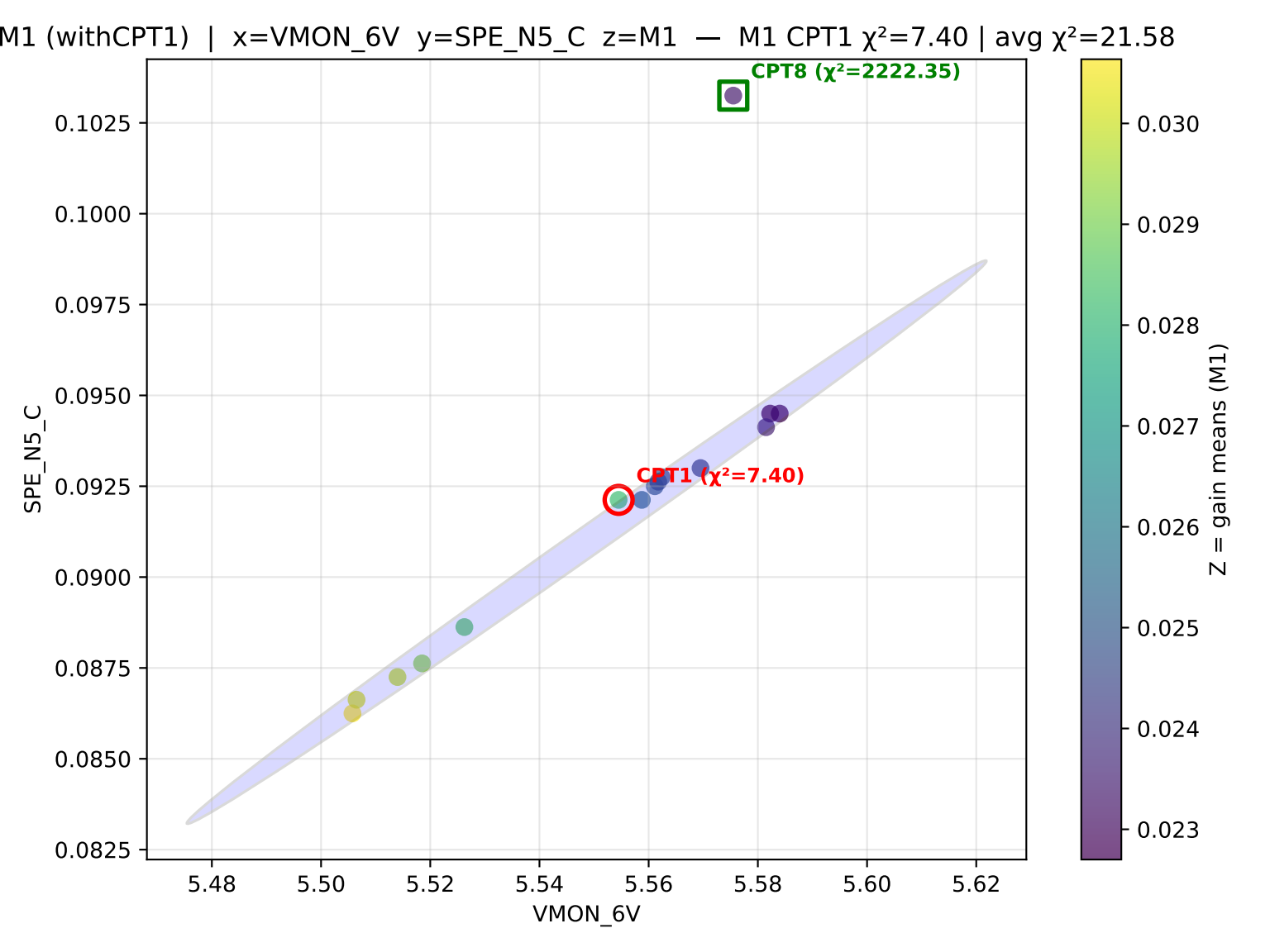

0 (withCPT1) | x=VMON_6V y=SPE_N5_C z=L0 — L0 CPT1 χ²=15.19 | avg χ²=21.58
CPT1 (χ²=15.19)
CPT8 (χ²=286.38)
SPE_N5_C
VMON_6V
Z = gain means (L0)
0.104
0.102
0.100
0.098
0.096
0.094
0.092
0.090
0.088
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

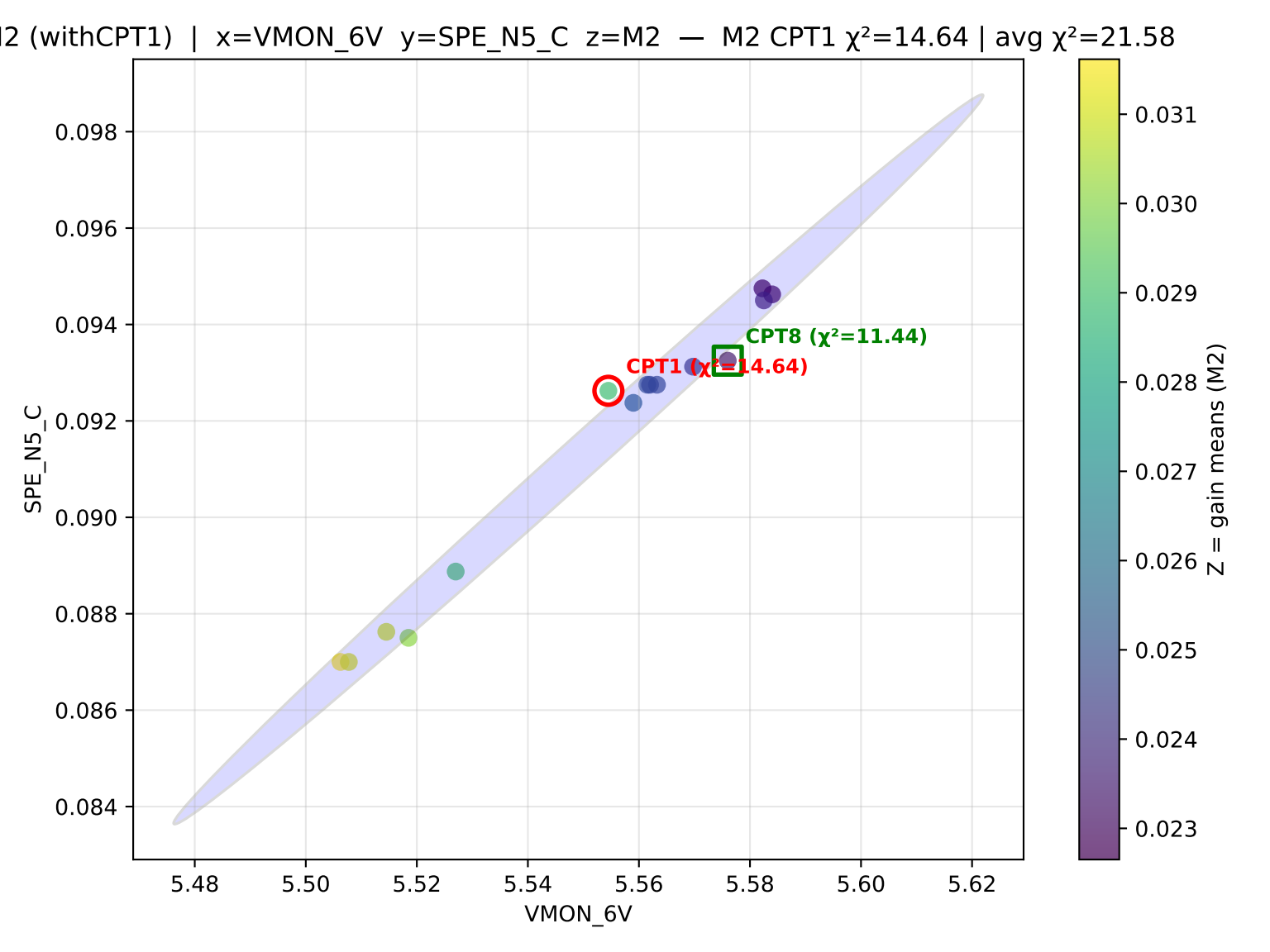

L1 (withCPT1) | x=VMON_6V y=SPE_N5_C z=L1 — L1 CPT1 χ²=13.55 | avg χ²=21.58
CPT1 (χ²=13.55)
CPT8 (χ²=300.74)
SPE_N5_C
VMON_6V
Z = gain means (L1)
0.1050
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052

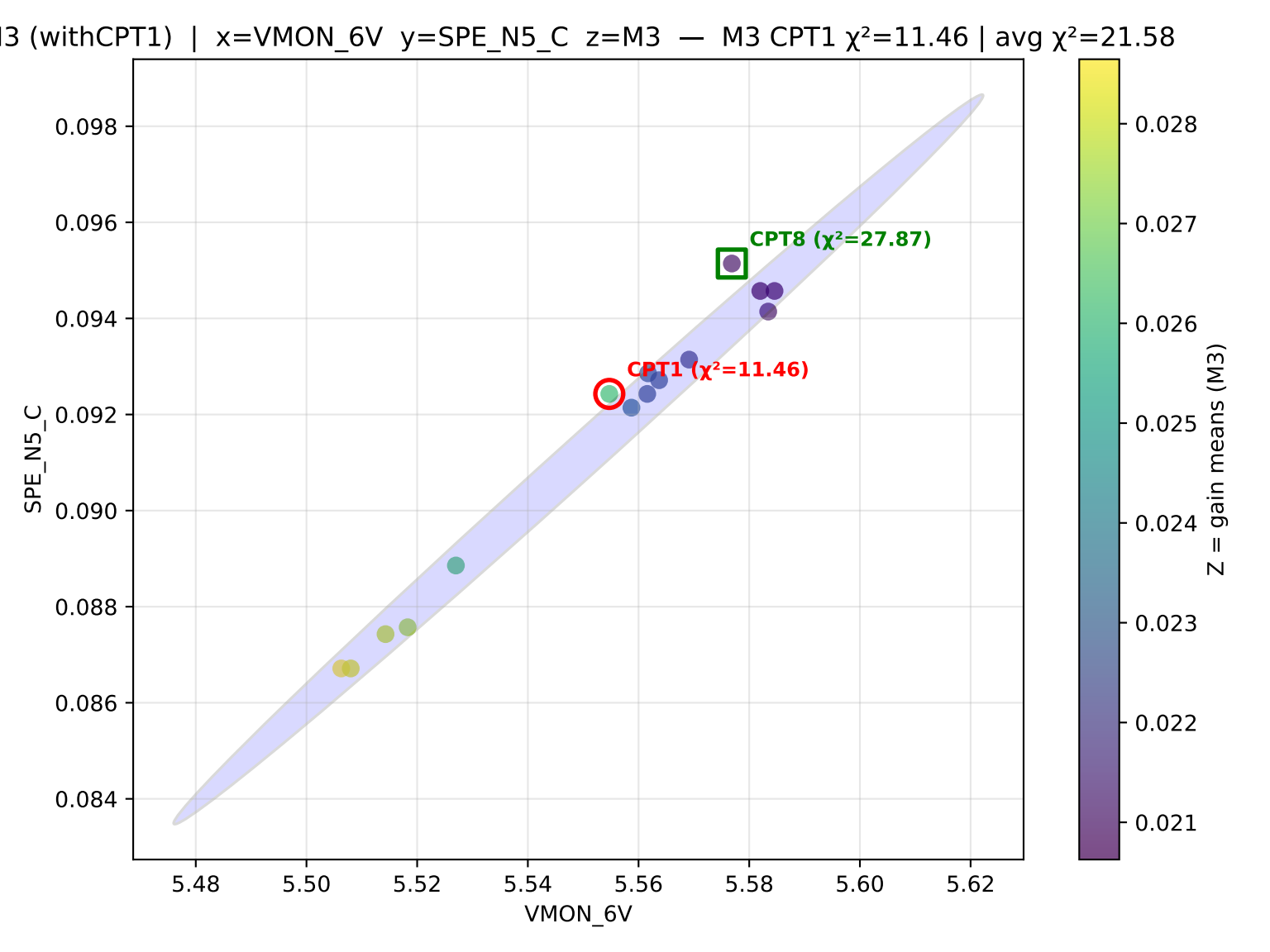

L2 (withCPT1) | x=VMON_6V y=SPE_N5_C z=L2 — L2 CPT1 χ²=9.54 | avg χ²=21.58
CPT8 (χ²=1.63)
CPT1 (χ²=9.54)
SPE_N5_C
VMON_6V
Z = gain means (L2)
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


L3 (withCPT1) | x=VMON_6V y=SPE_N5_C z=L3 — L3 CPT1 χ²=9.56 | avg χ²=21.58
CPT8 (χ²=161.04)
CPT1 (χ²=9.56)
SPE_N5_C
VMON_6V
Z = gain means (L3)
0.1050
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


M0 (withCPT1) | x=VMON_6V y=SPE_N5_C z=M0 — M0 CPT1 χ²=2.93 | avg χ²=21.58
CPT8 (χ²=3058.36)
CPT1 (χ²=2.93)
SPE_N5_C
VMON_6V
Z = gain means (M0)
0.105
0.100
0.095
0.090
0.085
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

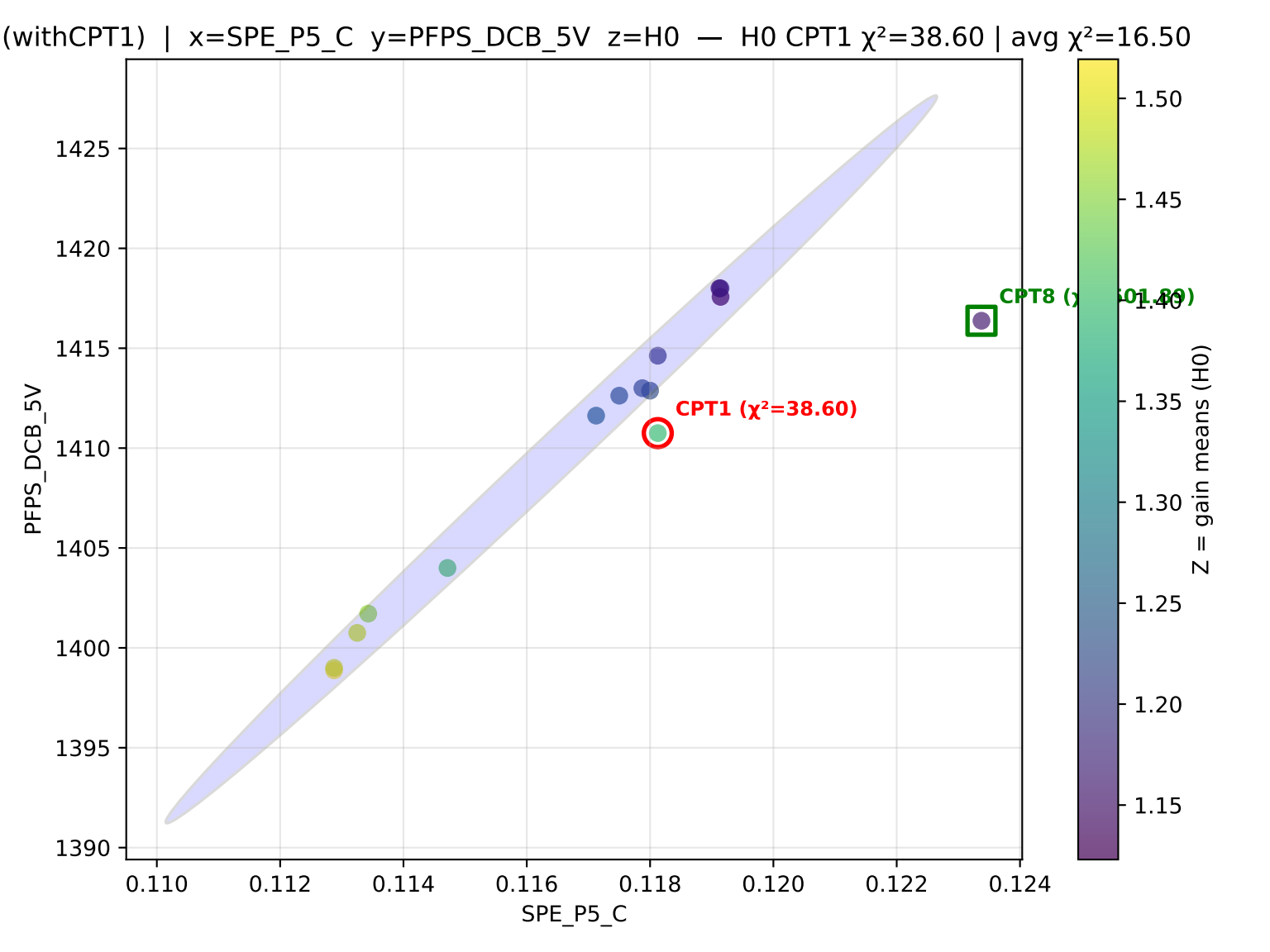

M1 (withCPT1) | x=VMON_6V y=SPE_N5_C z=M1 — M1 CPT1 χ²=7.40 | avg χ²=21.58
CPT8 (χ²=2222.35)
CPT1 (χ²=7.40)
SPE_N5_C
VMON_6V
Z = gain means (M1)
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
0.0850
0.0825
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

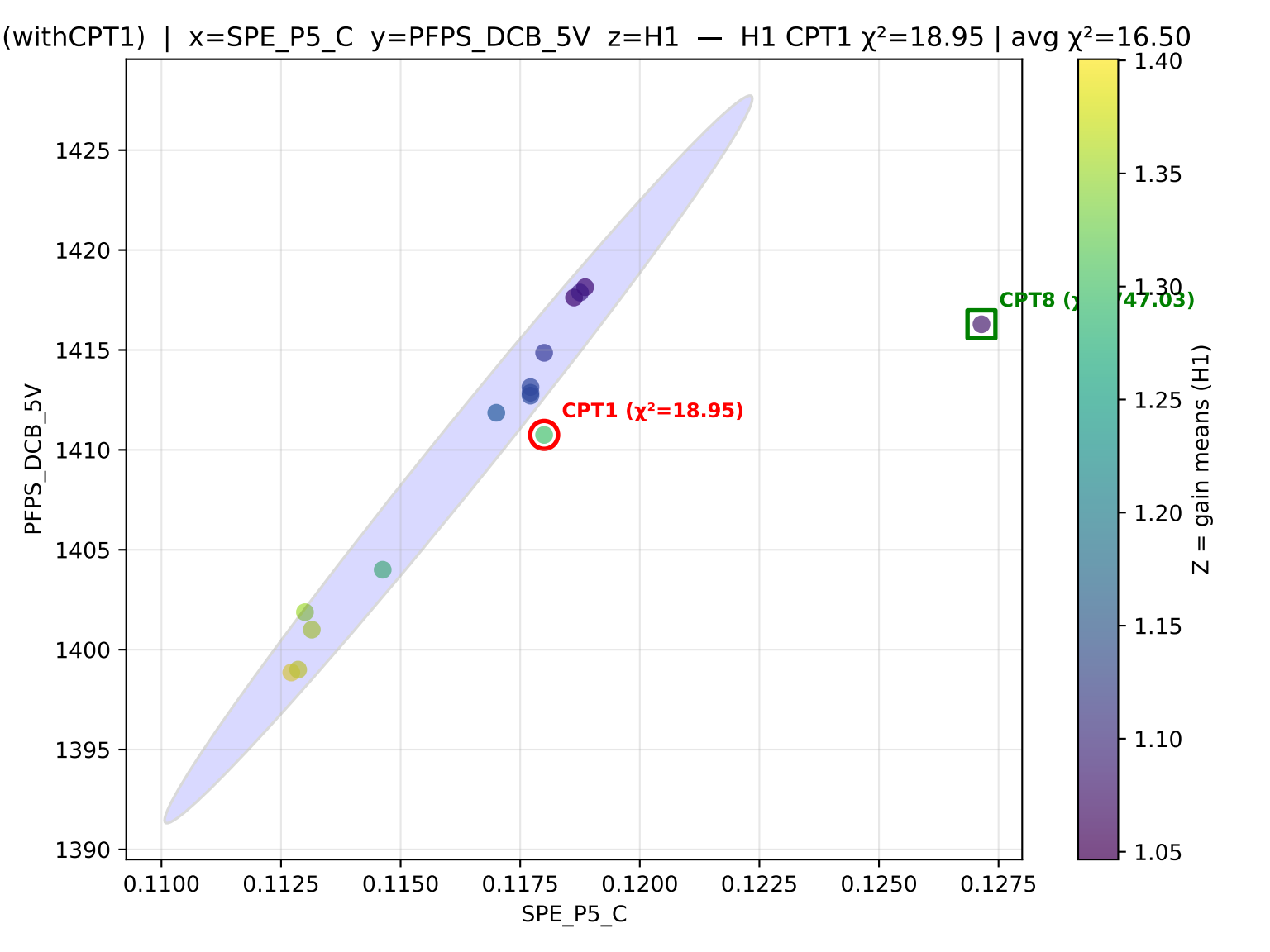

2 (withCPT1) | x=VMON_6V y=SPE_N5_C z=M2 — M2 CPT1 χ²=14.64 | avg χ²=21.58
CPT8 (χ²=11.44)
CPT1 (χ²=14.64)
SPE_N5_C
VMON_6V
Z = gain means (M2)
0.098
0.096
0.094
0.092
0.090
0.088
0.086
0.084
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

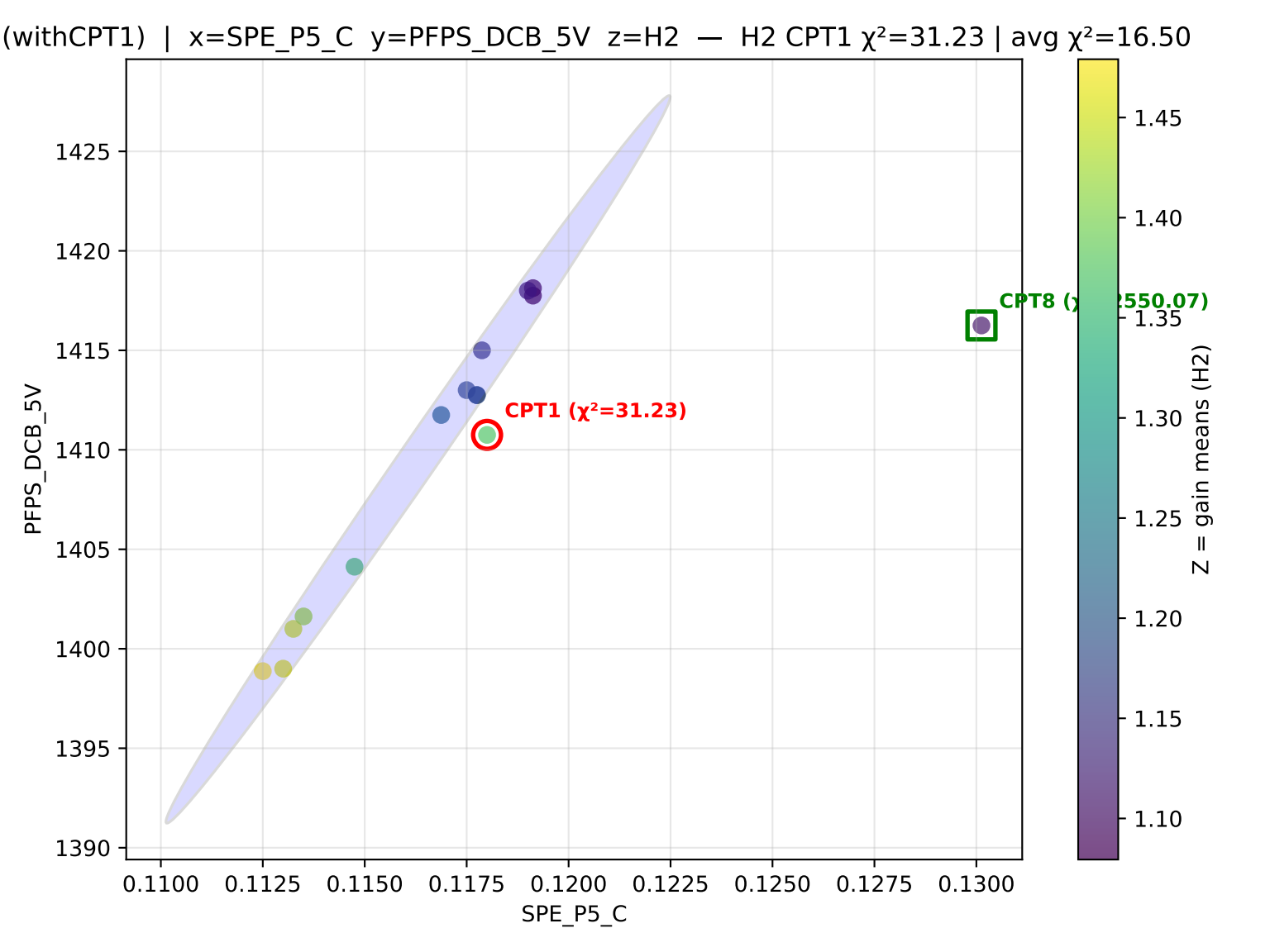

3 (withCPT1) | x=VMON_6V y=SPE_N5_C z=M3 — M3 CPT1 χ²=11.46 | avg χ²=21.58
CPT8 (χ²=27.87)
CPT1 (χ²=11.46)
SPE_N5_C
VMON_6V
Z = gain means (M3)
0.098
0.096
0.094
0.092
0.090
0.088
0.086
0.084
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

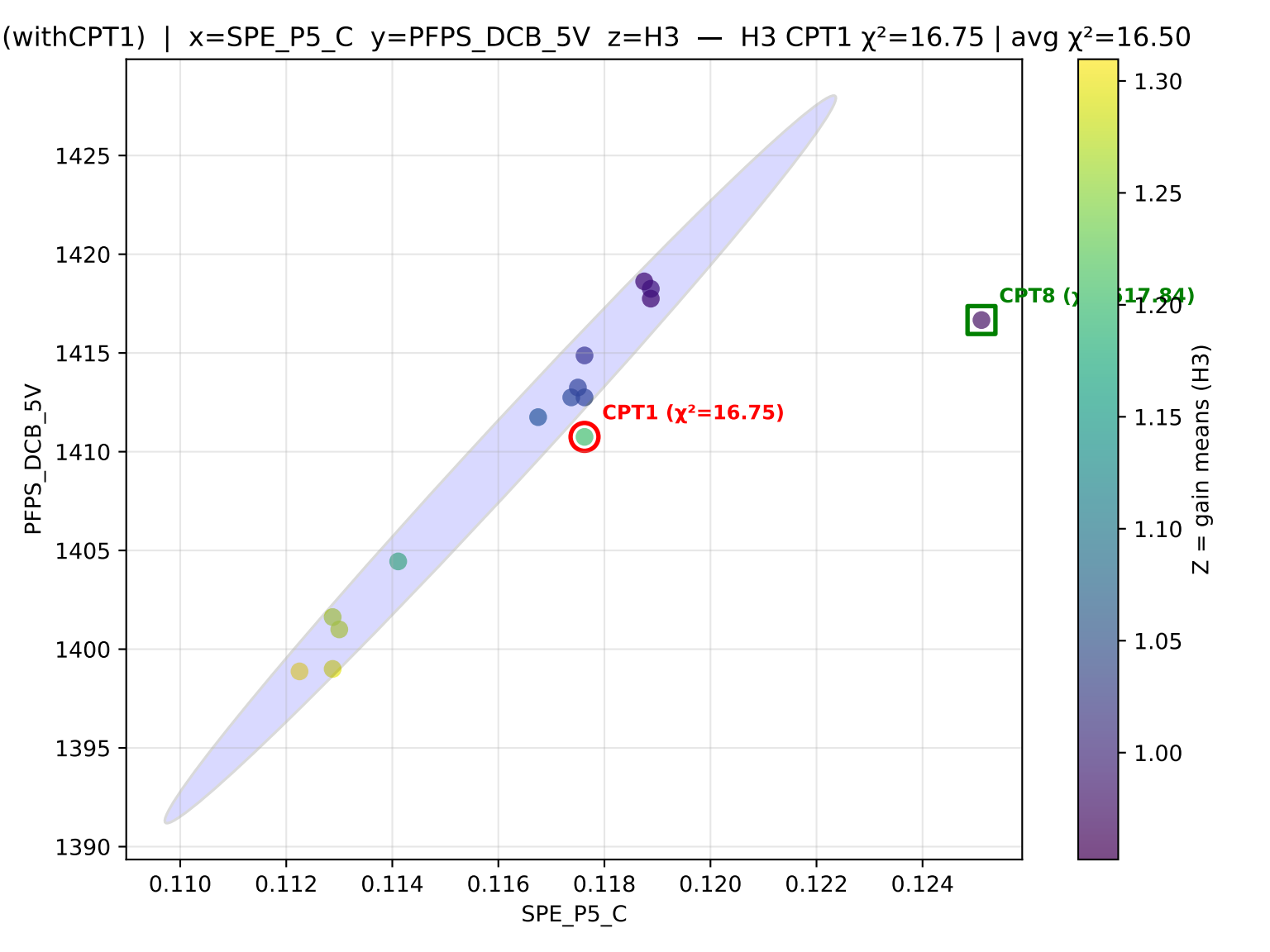
Pair: SPE_P5_C vs PFPS_DCB_5V

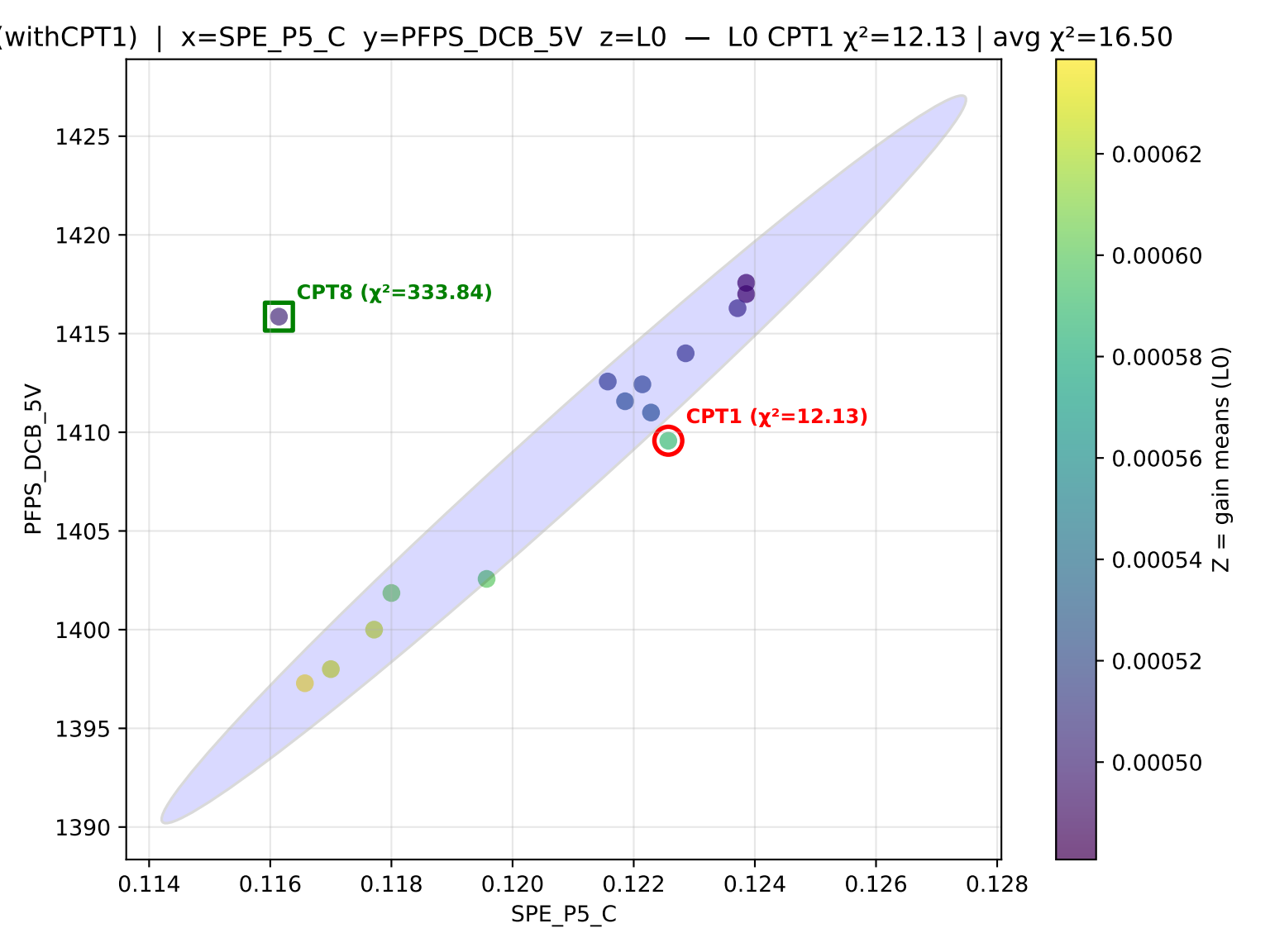
Average χ^2(CPT1) across settings: 16.50

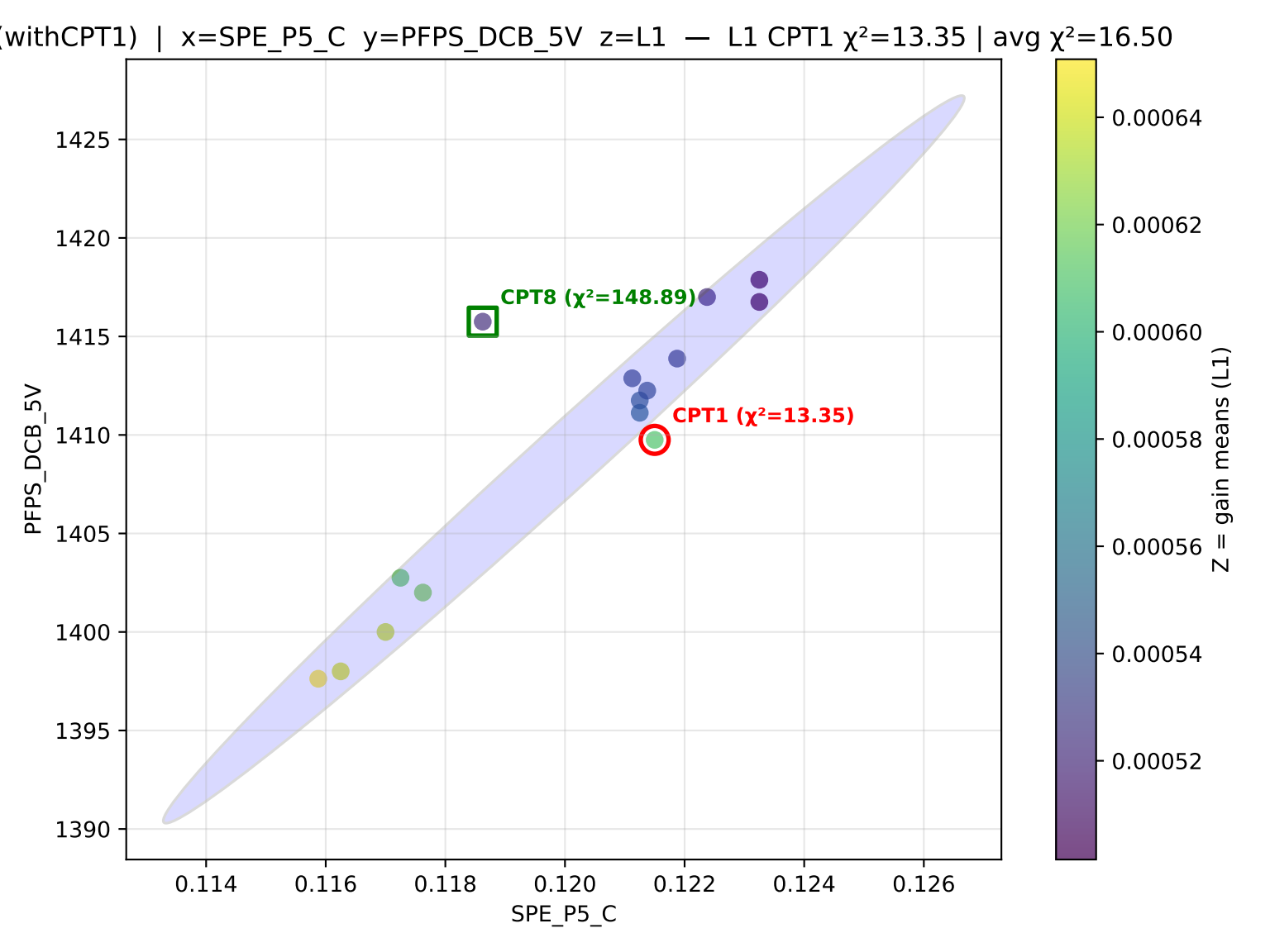

(withCPT1) | x=SPE_P5_C y=PFPS_DCB_5V z=H0 — H0 CPT1 χ²=38.60 | avg χ²=16.50
CPT1 (χ²=38.60)
CPT8 (χ²=1.89)
PFPS_DCB_5V
SPE_P5_C
Z = gain means (H0)
1425
1420
1415
1410
1405
1400
1395
1390
0.110
0.112
0.114
0.116
0.118
0.120
0.122
0.124
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

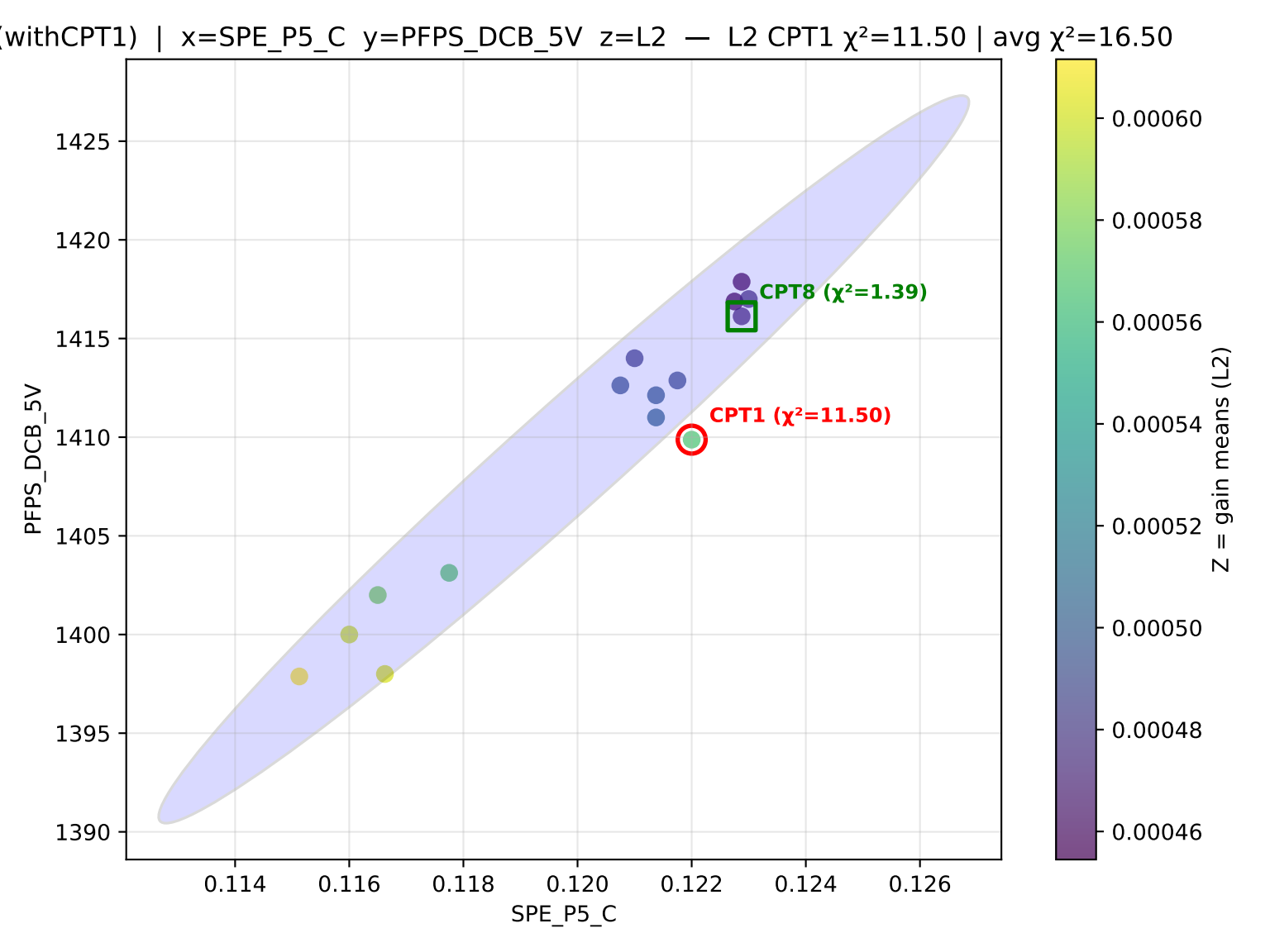

(withCPT1) | x=SPE_P5_C y=PFPS_DCB_5V z=H1 — H1 CPT1 χ²=18.95 | avg χ²=16.50
CPT1 (χ²=18.95)
CPT8 (χ
747.03)
PFPS_DCB_5V
SPE_P5_C
Z = gain means (H1)
1425
1420
1415
1410
1405
1400
1395
1390
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

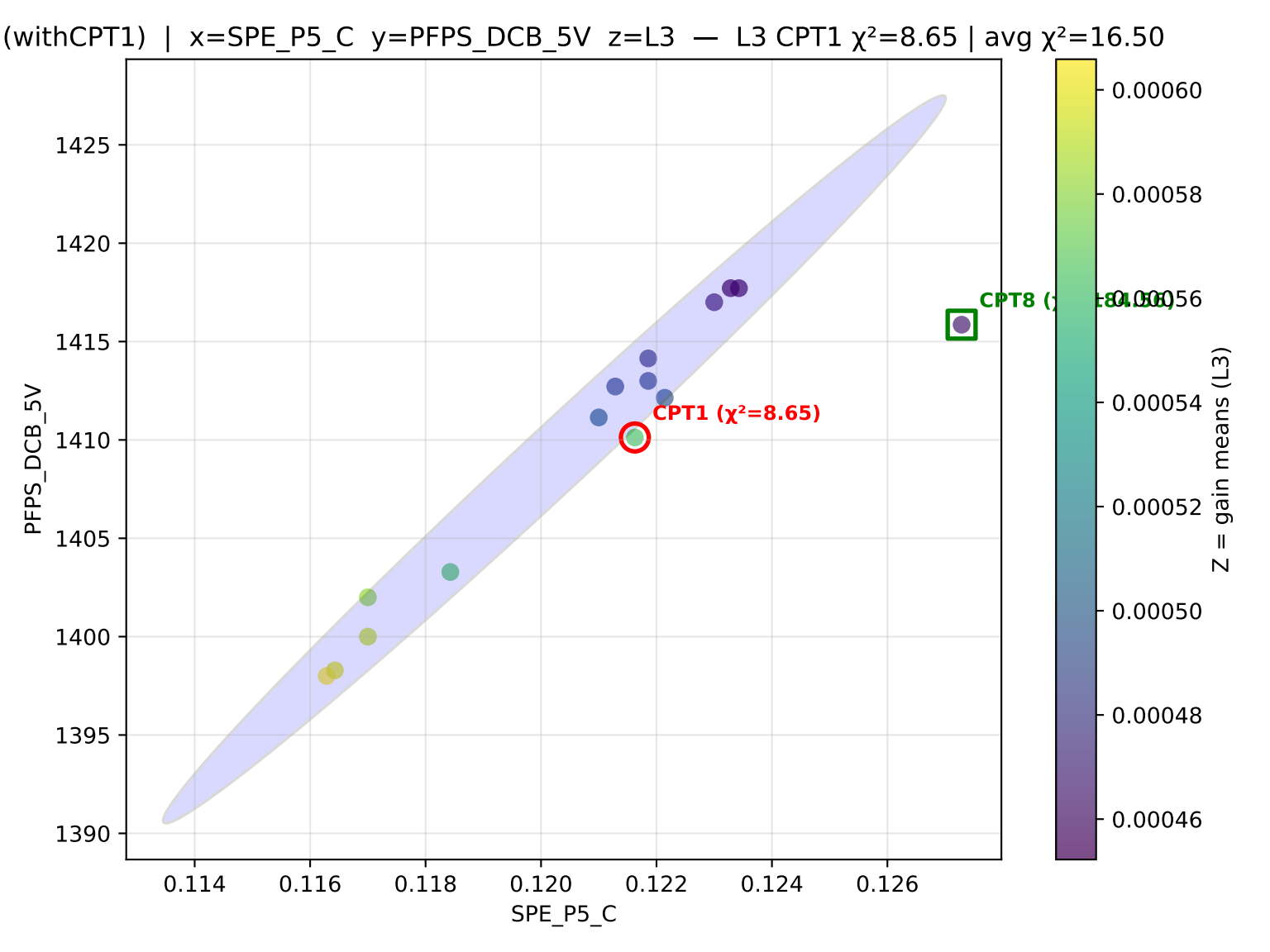

(withCPT1) | x=SPE_P5_C y=PFPS_DCB_5V z=H2 — H2 CPT1 χ²=31.23 | avg χ²=16.50
CPT1 (χ²=31.23)
CPT8 (χ
2550.07)
PFPS_DCB_5V
SPE_P5_C
Z = gain means (H2)
1425
1420
1415
1410
1405
1400
1395
1390
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
0.1300
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10

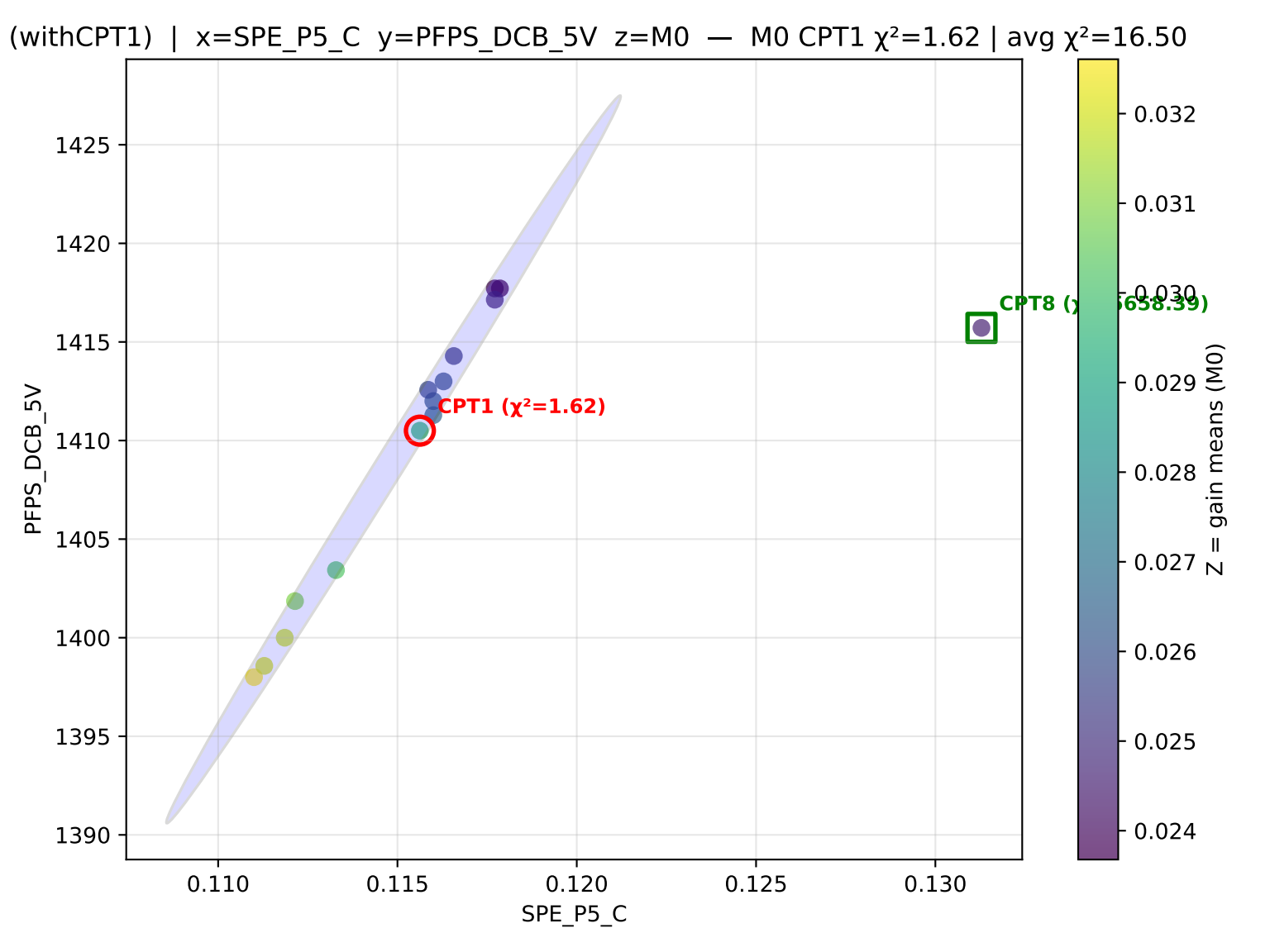

(withCPT1) | x=SPE_P5_C y=PFPS_DCB_5V z=H3 — H3 CPT1 χ²=16.75 | avg χ²=16.50
CPT1 (χ²=16.75)
CPT8 (χ²=17.84)
PFPS_DCB_5V
SPE_P5_C
Z = gain means (H3)
1425
1420
1415
1410
1405
1400
1395
1390
0.110
0.112
0.114
0.116
0.118
0.120
0.122
0.124
1.30
1.25
1.20
1.15
1.10
1.05
1.00

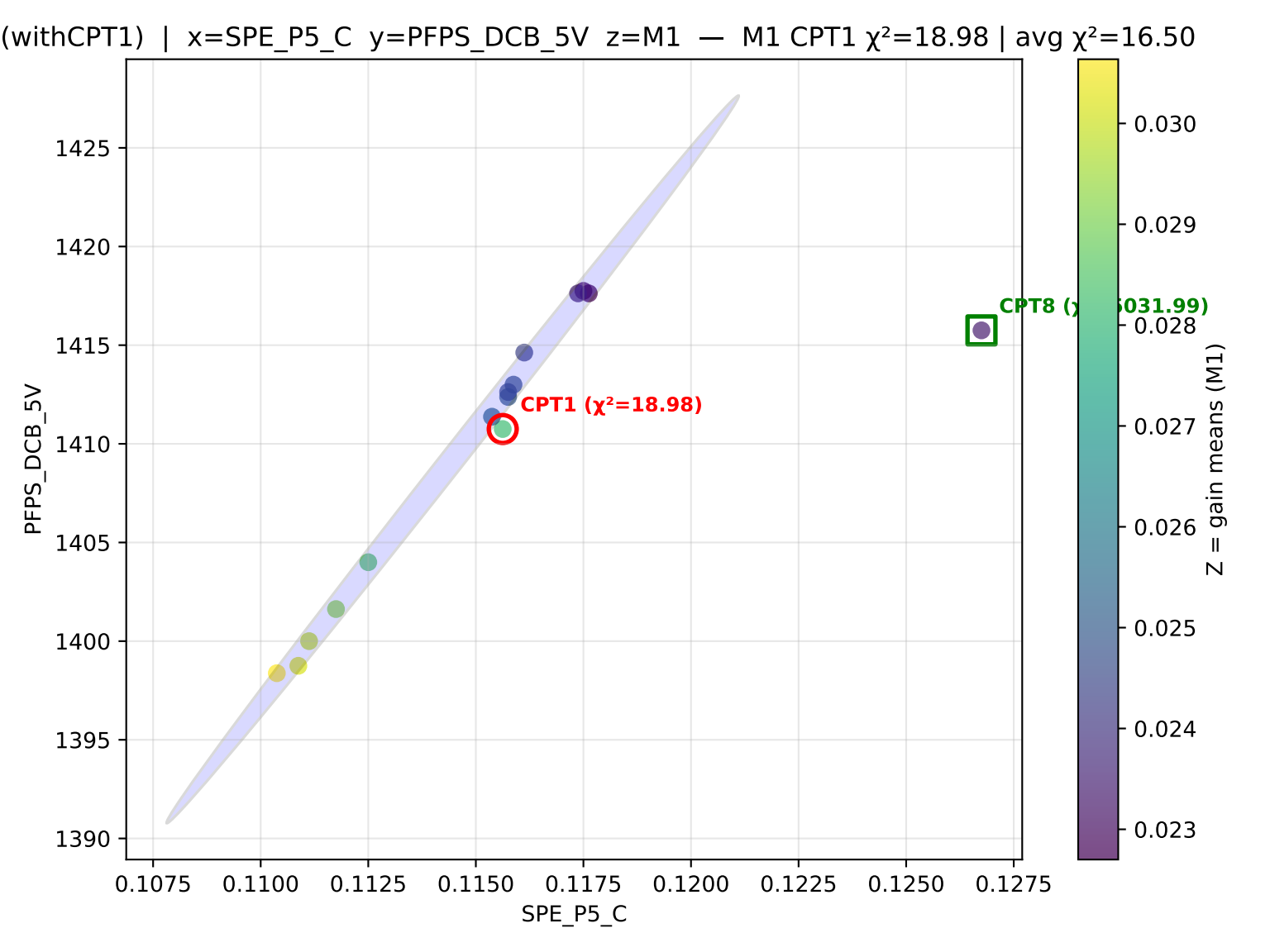

(withCPT1) | x=SPE_P5_C y=PFPS_DCB_5V z=L0 — L0 CPT1 χ²=12.13 | avg χ²=16.50
CPT8 (χ²=333.84)
CPT1 (χ²=12.13)
PFPS_DCB_5V
SPE_P5_C
Z = gain means (L0)
1425
1420
1415
1410
1405
1400
1395
1390
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.128
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

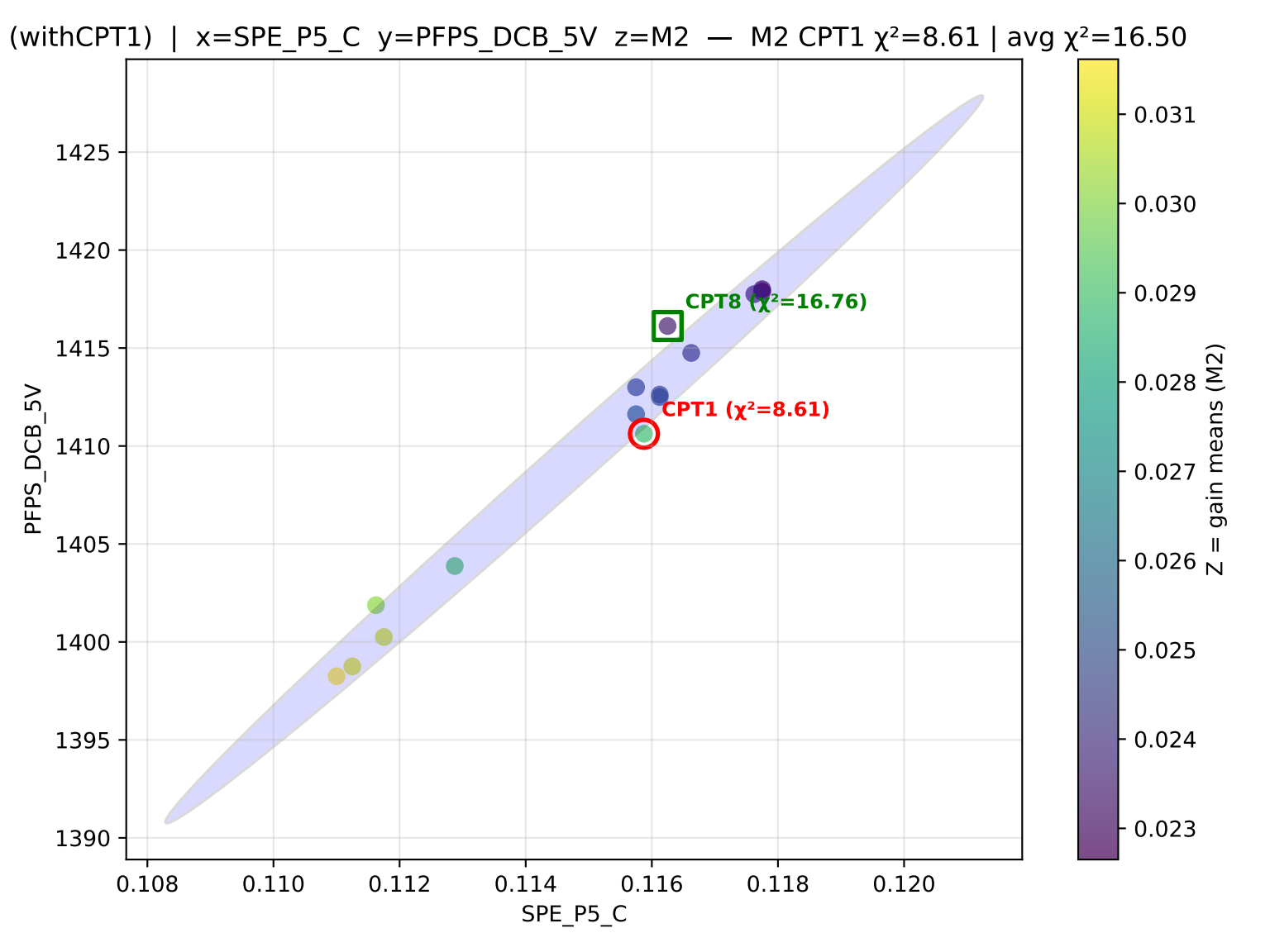

(withCPT1) | x=SPE_P5_C y=PFPS_DCB_5V z=L1 — L1 CPT1 χ²=13.35 | avg χ²=16.50
CPT8 (χ²=148.89)
CPT1 (χ²=13.35)
PFPS_DCB_5V
SPE_P5_C
Z = gain means (L1)
1425
1420
1415
1410
1405
1400
1395
1390
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052

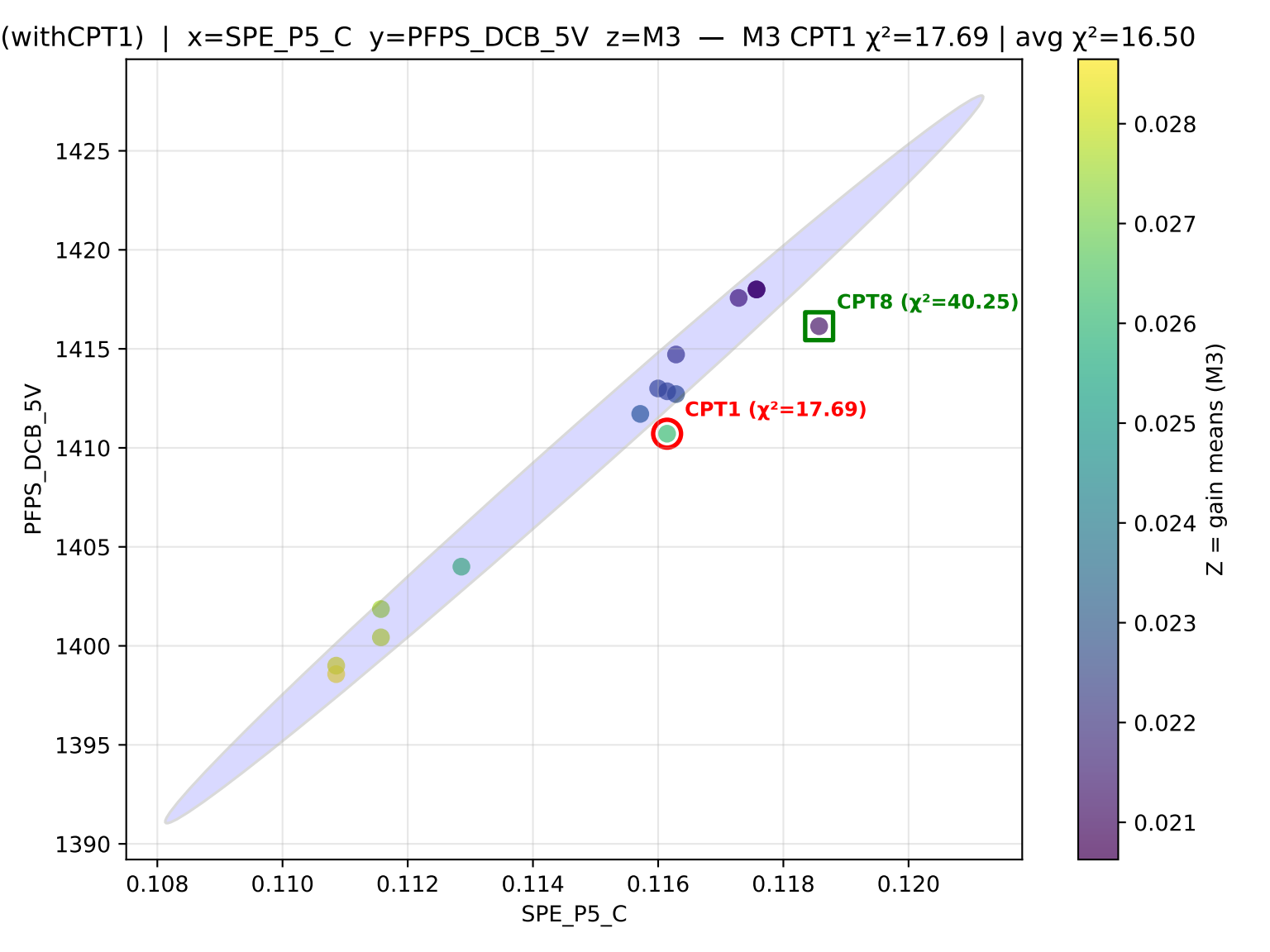

(withCPT1) | x=SPE_P5_C y=PFPS_DCB_5V z=L2 — L2 CPT1 χ²=11.50 | avg χ²=16.50
CPT8 (χ²=1.39)
CPT1 (χ²=11.50)
PFPS_DCB_5V
SPE_P5_C
Z = gain means (L2)
1425
1420
1415
1410
1405
1400
1395
1390
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


(withCPT1) | x=SPE_P5_C y=PFPS_DCB_5V z=L3 — L3 CPT1 χ²=8.65 | avg χ²=16.50
CPT1 (χ²=8.65)
CPT8 (
PFPS_DCB_5V
SPE_P5_C
Z = gain means (L3)
1425
1420
1415
1410
1405
1400
1395
1390
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


(withCPT1) | x=SPE_P5_C y=PFPS_DCB_5V z=M0 — M0 CPT1 χ²=1.62 | avg χ²=16.50
CPT1 (χ²=1.62)
CPT8 (χ
658.39)
PFPS_DCB_5V
SPE_P5_C
Z = gain means (M0)
1425
1420
1415
1410
1405
1400
1395
1390
0.110
0.115
0.120
0.125
0.130
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

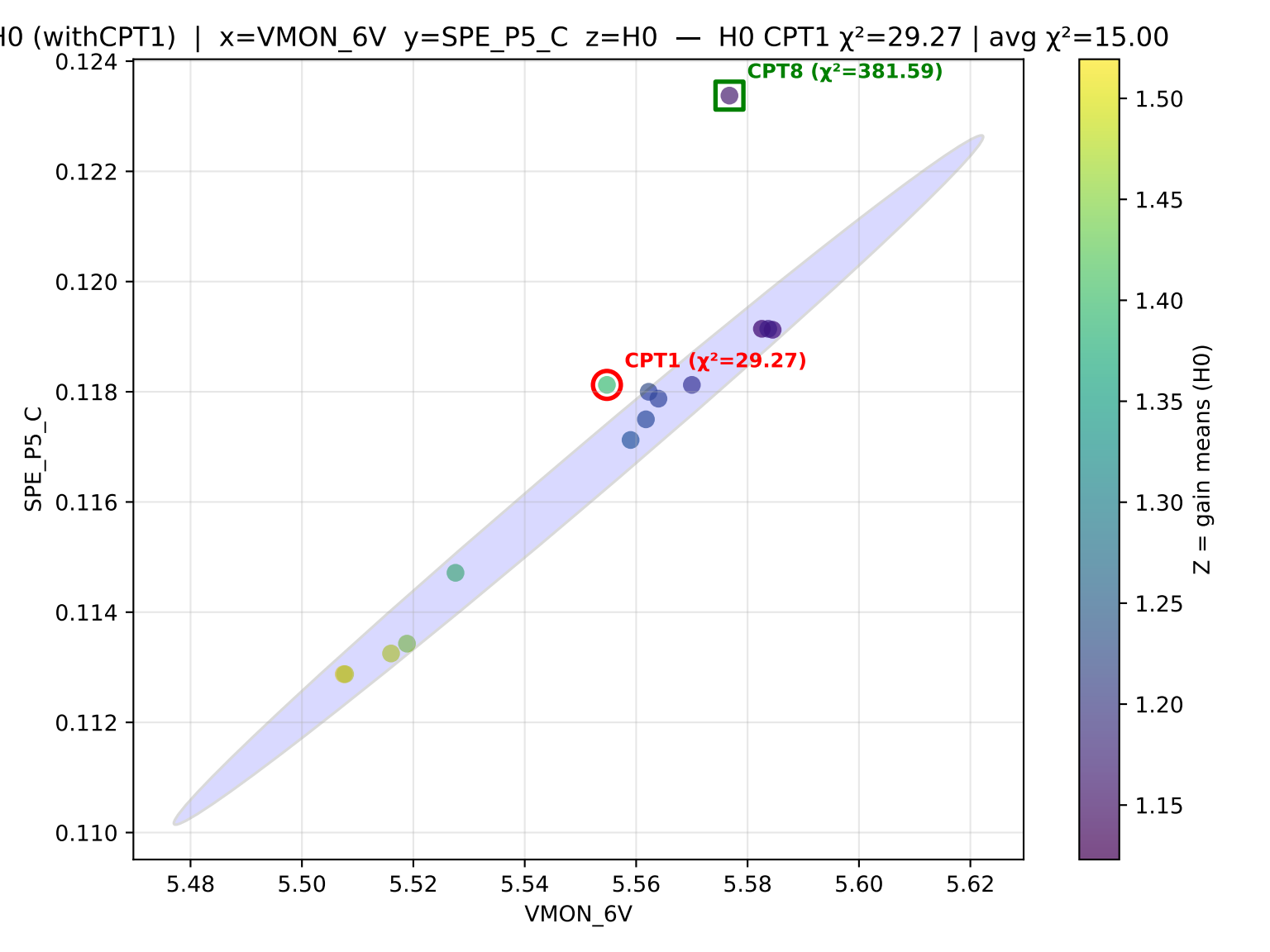

(withCPT1) | x=SPE_P5_C y=PFPS_DCB_5V z=M1 — M1 CPT1 χ²=18.98 | avg χ²=16.50
CPT1 (χ²=18.98)
CPT8 (χ
031.99)
PFPS_DCB_5V
SPE_P5_C
Z = gain means (M1)
1425
1420
1415
1410
1405
1400
1395
1390
0.1075
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

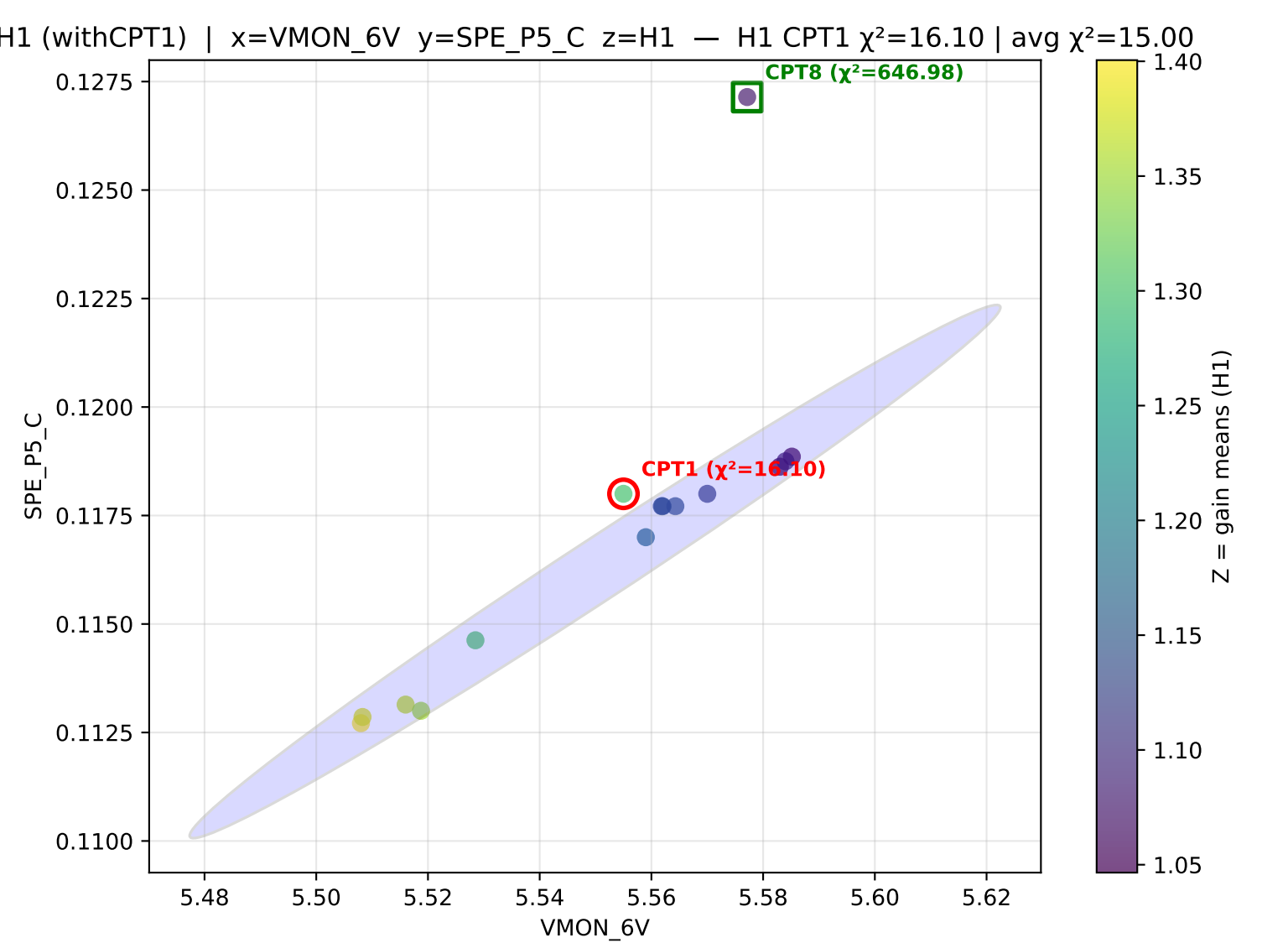

(withCPT1) | x=SPE_P5_C y=PFPS_DCB_5V z=M2 — M2 CPT1 χ²=8.61 | avg χ²=16.50
CPT8 (χ²=16.76)
CPT1 (χ²=8.61)
PFPS_DCB_5V
SPE_P5_C
Z = gain means (M2)
1425
1420
1415
1410
1405
1400
1395
1390
0.108
0.110
0.112
0.114
0.116
0.118
0.120
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

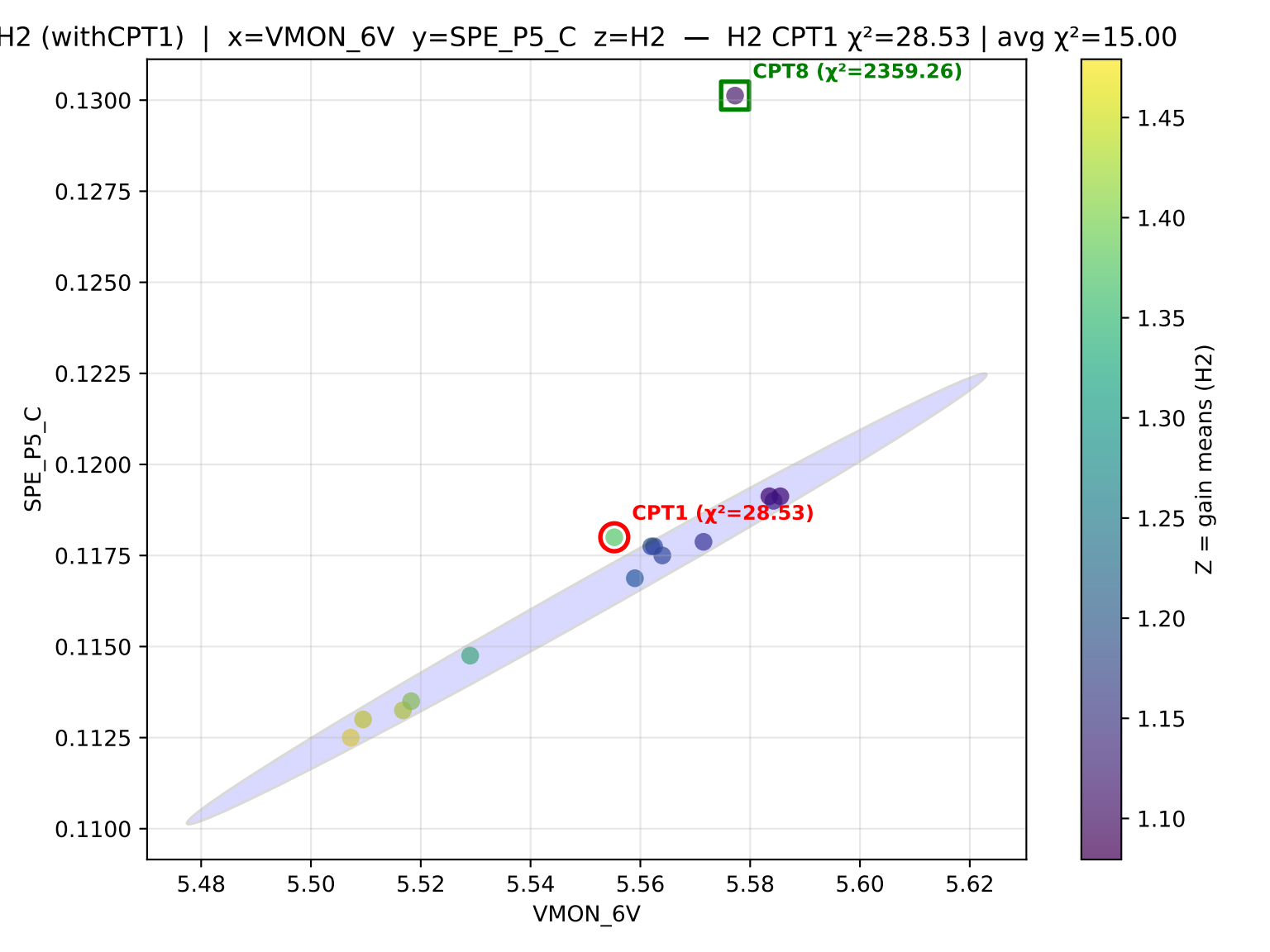

(withCPT1) | x=SPE_P5_C y=PFPS_DCB_5V z=M3 — M3 CPT1 χ²=17.69 | avg χ²=16.50
CPT8 (χ²=40.25)
CPT1 (χ²=17.69)
PFPS_DCB_5V
SPE_P5_C
Z = gain means (M3)
1425
1420
1415
1410
1405
1400
1395
1390
0.108
0.110
0.112
0.114
0.116
0.118
0.120
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

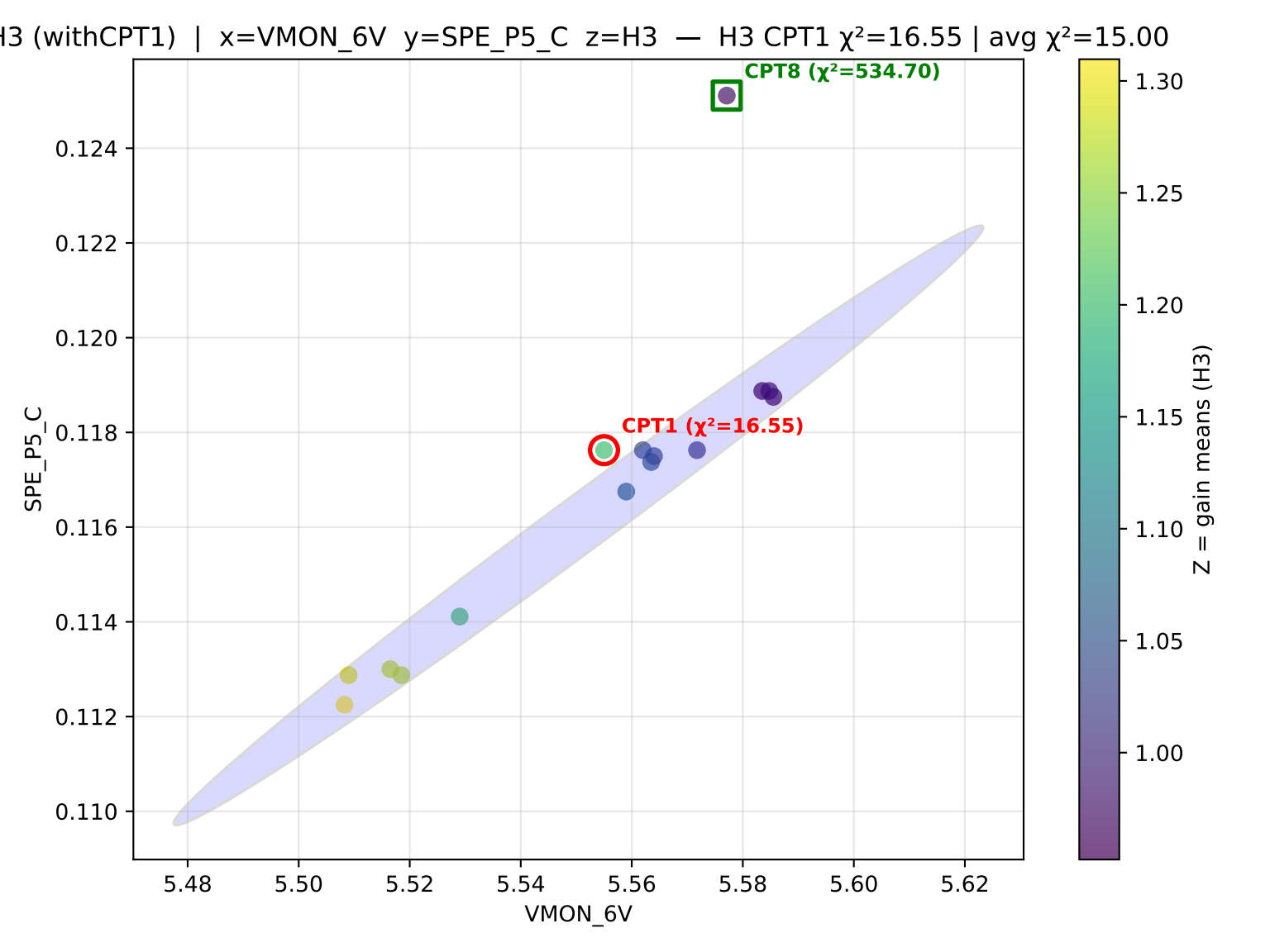
Pair: VMON_6V vs SPE_P5_C

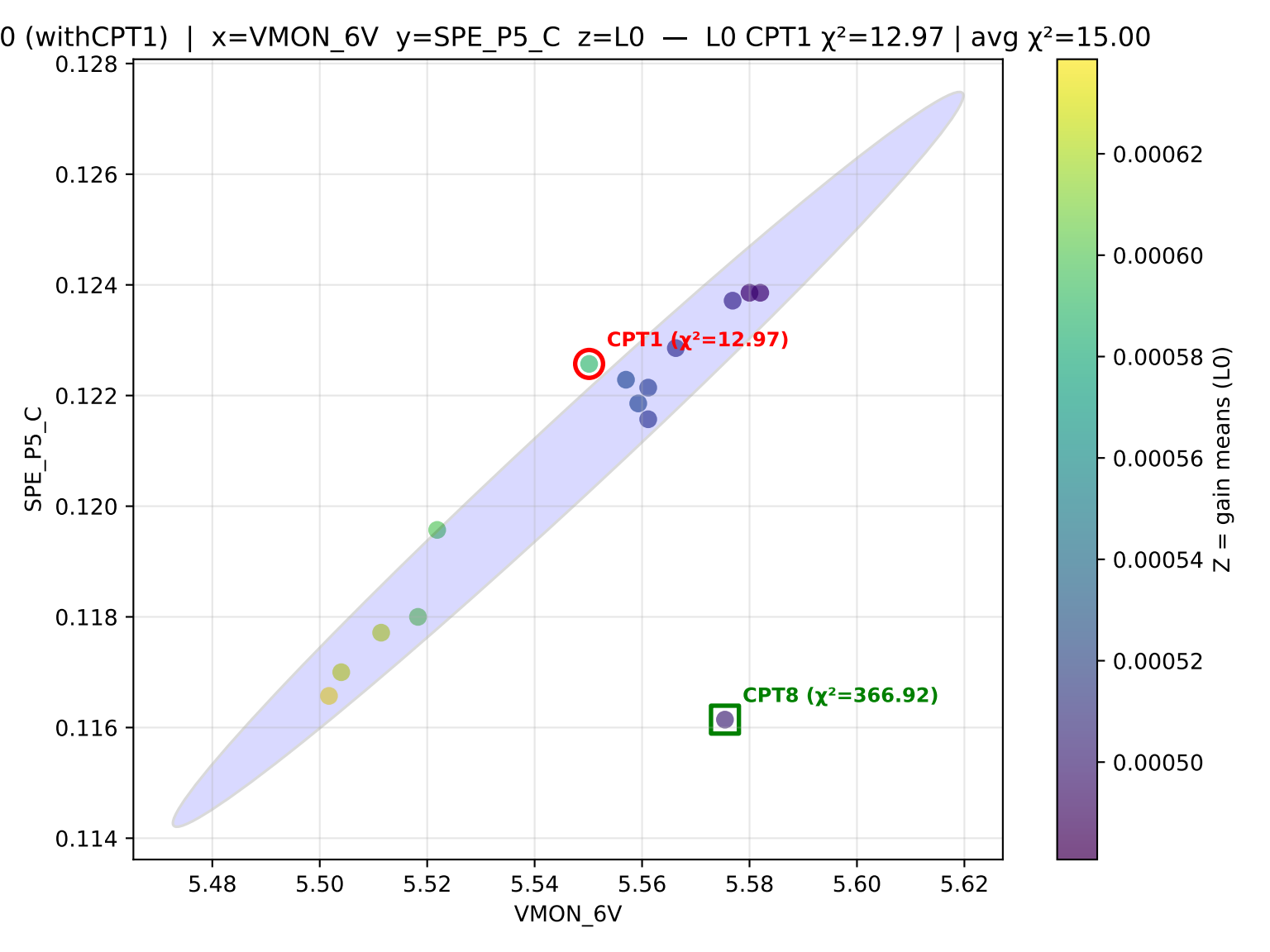
Average χ^2(CPT1) across settings: 15.00

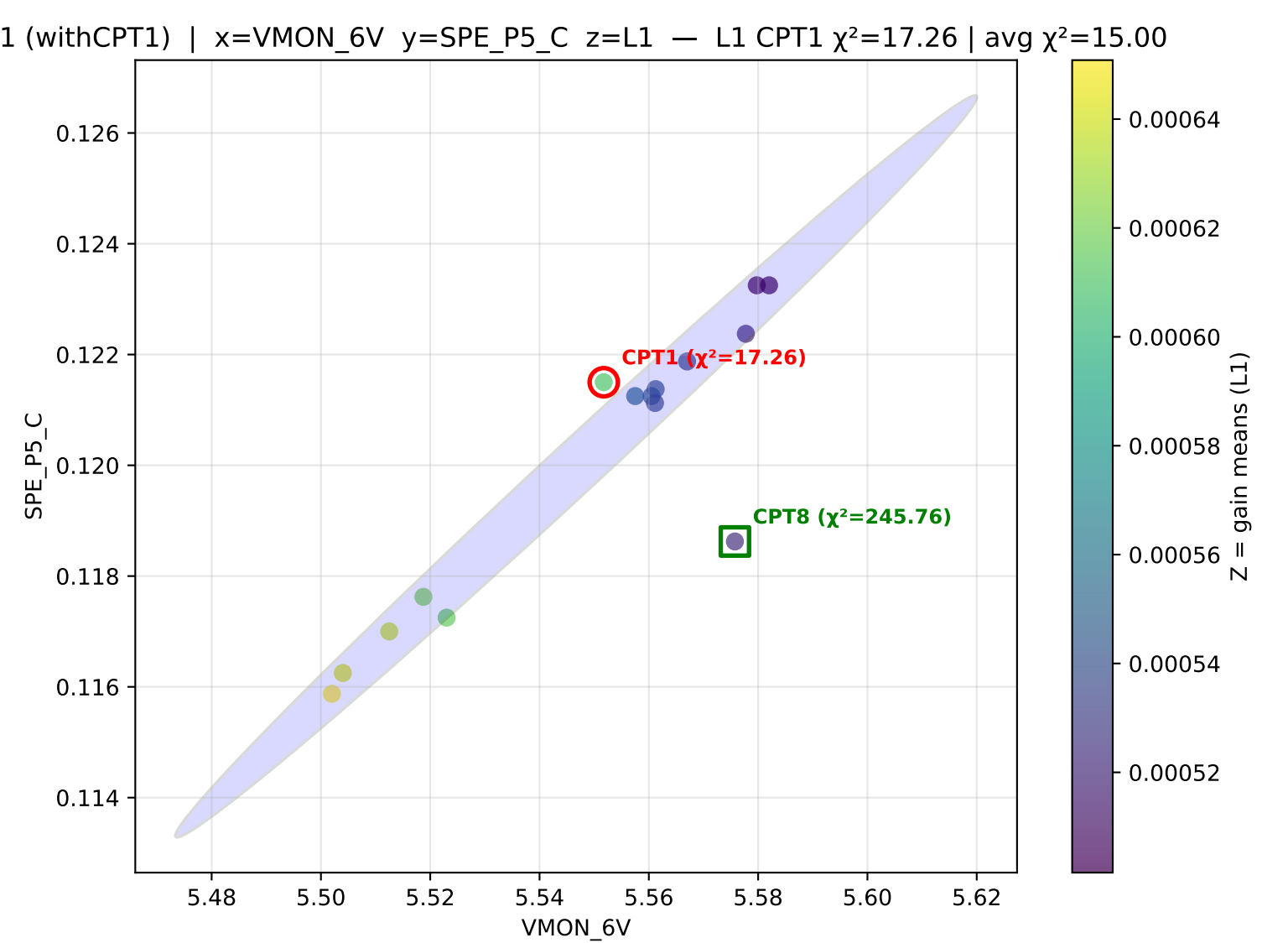

H0 (withCPT1) | x=VMON_6V y=SPE_P5_C z=H0 — H0 CPT1 χ²=29.27 | avg χ²=15.00
CPT8 (χ²=381.59)
CPT1 (χ²=29.27)
SPE_P5_C
VMON_6V
Z = gain means (H0)
0.124
0.122
0.120
0.118
0.116
0.114
0.112
0.110
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

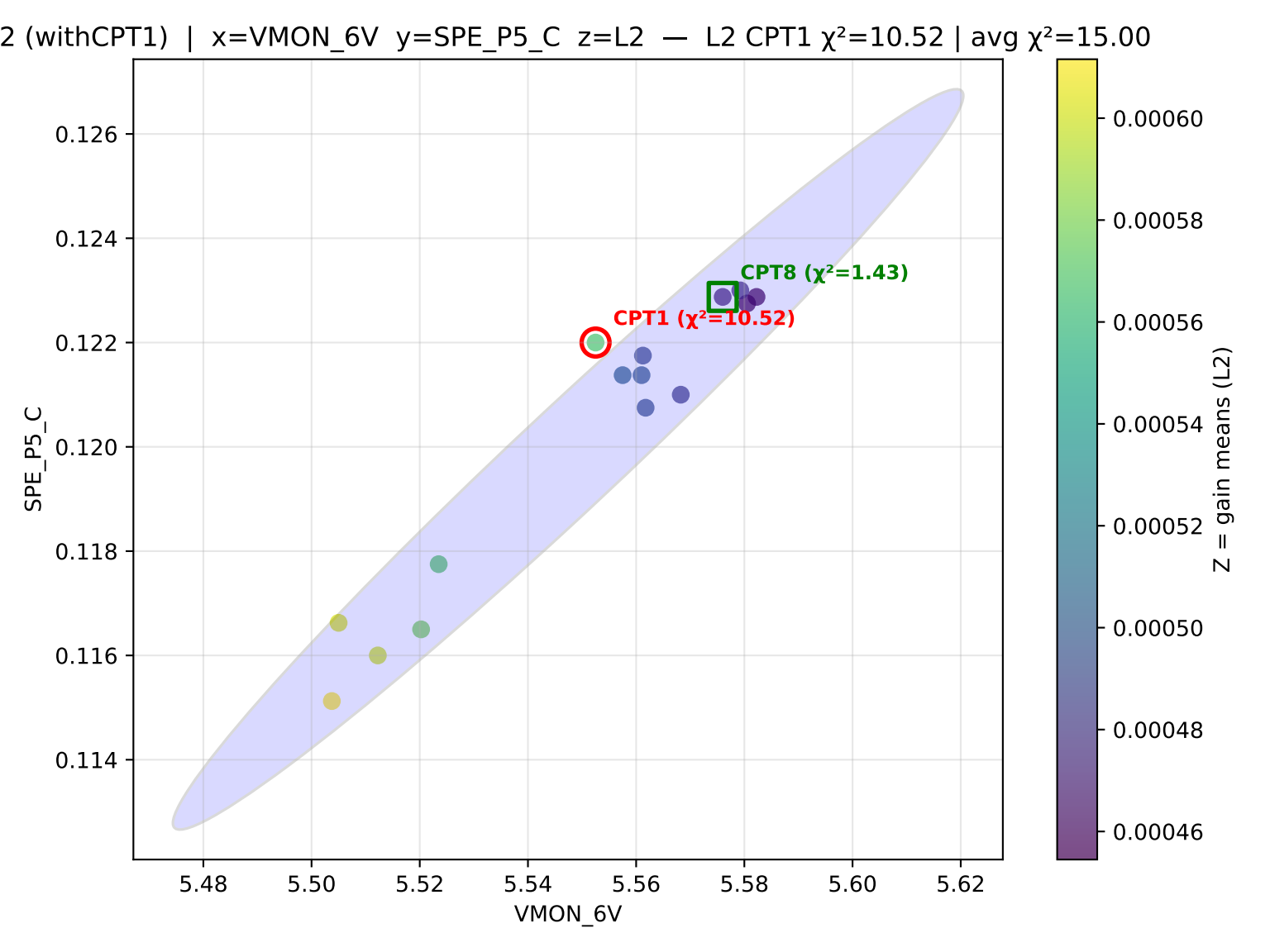

H1 (withCPT1) | x=VMON_6V y=SPE_P5_C z=H1 — H1 CPT1 χ²=16.10 | avg χ²=15.00
CPT8 (χ²=646.98)
CPT1 (χ²=16.10)
SPE_P5_C
VMON_6V
Z = gain means (H1)
0.1275
0.1250
0.1225
0.1200
0.1175
0.1150
0.1125
0.1100
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

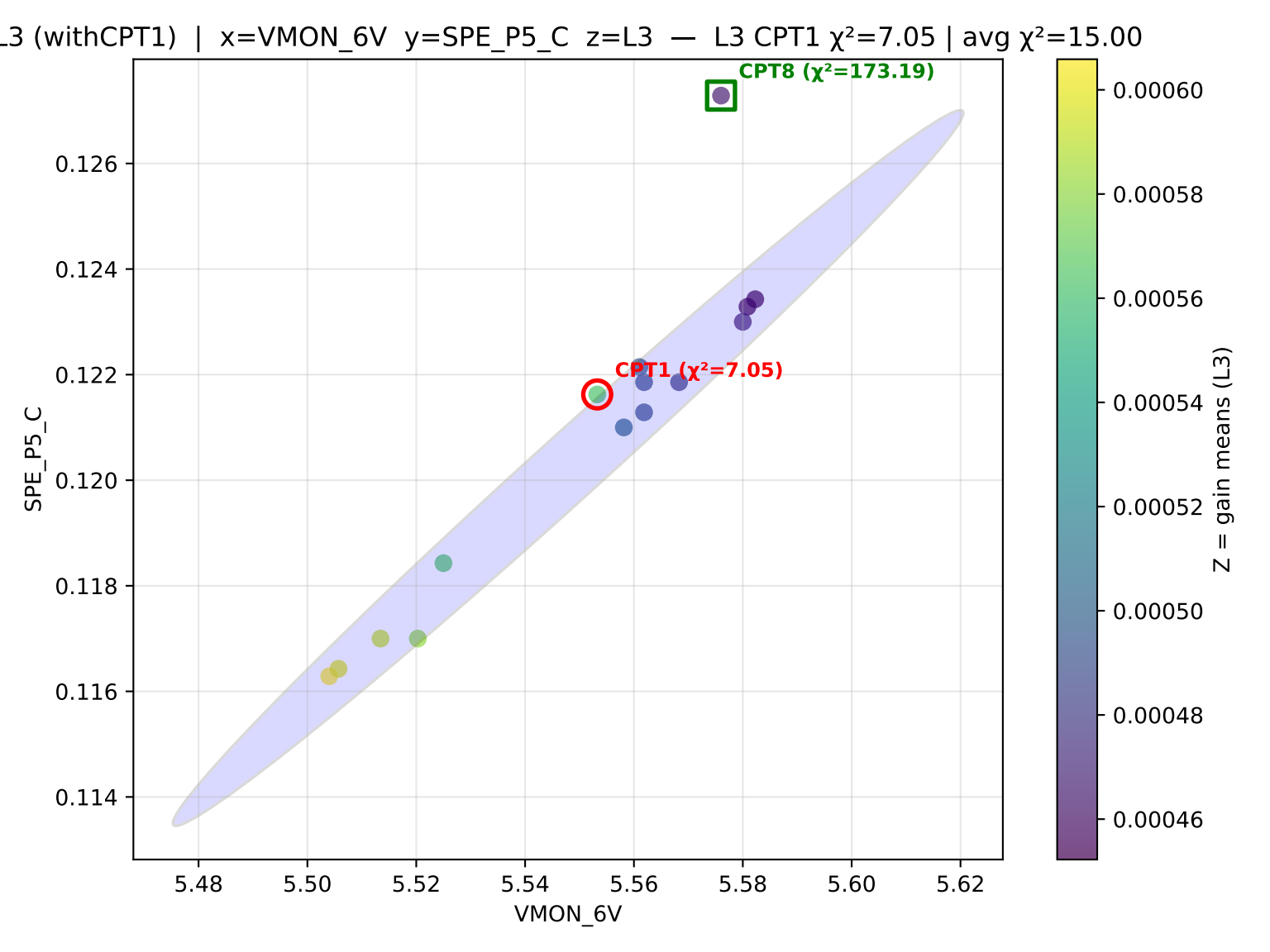

H2 (withCPT1) | x=VMON_6V y=SPE_P5_C z=H2 — H2 CPT1 χ²=28.53 | avg χ²=15.00
CPT8 (χ²=2359.26)
CPT1 (χ²=28.53)
SPE_P5_C
VMON_6V
Z = gain means (H2)
0.1300
0.1275
0.1250
0.1225
0.1200
0.1175
0.1150
0.1125
0.1100
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10

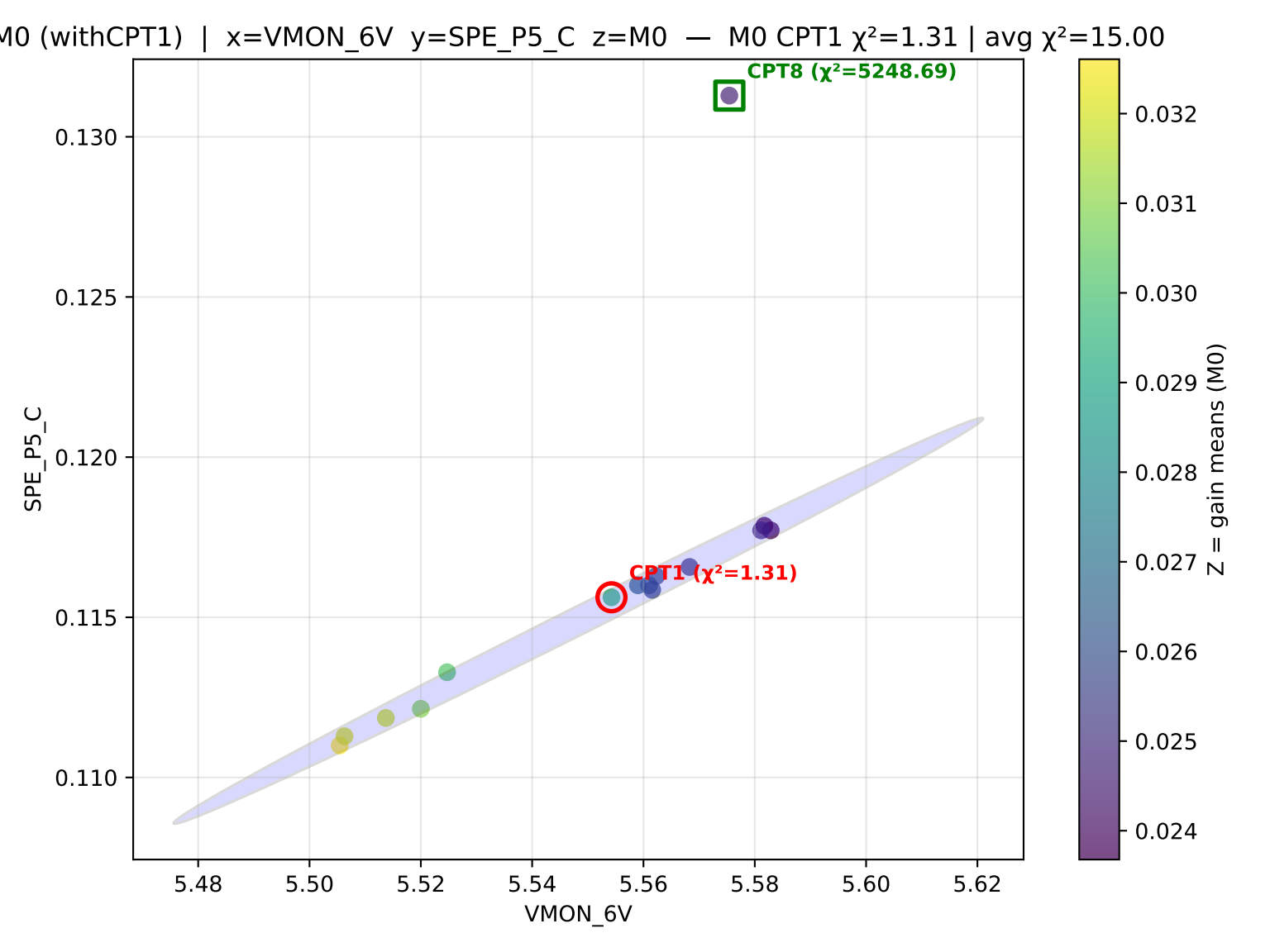

H3 (withCPT1) | x=VMON_6V y=SPE_P5_C z=H3 — H3 CPT1 χ²=16.55 | avg χ²=15.00
CPT8 (χ²=534.70)
CPT1 (χ²=16.55)
SPE_P5_C
VMON_6V
Z = gain means (H3)
0.124
0.122
0.120
0.118
0.116
0.114
0.112
0.110
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
1.30
1.25
1.20
1.15
1.10
1.05
1.00

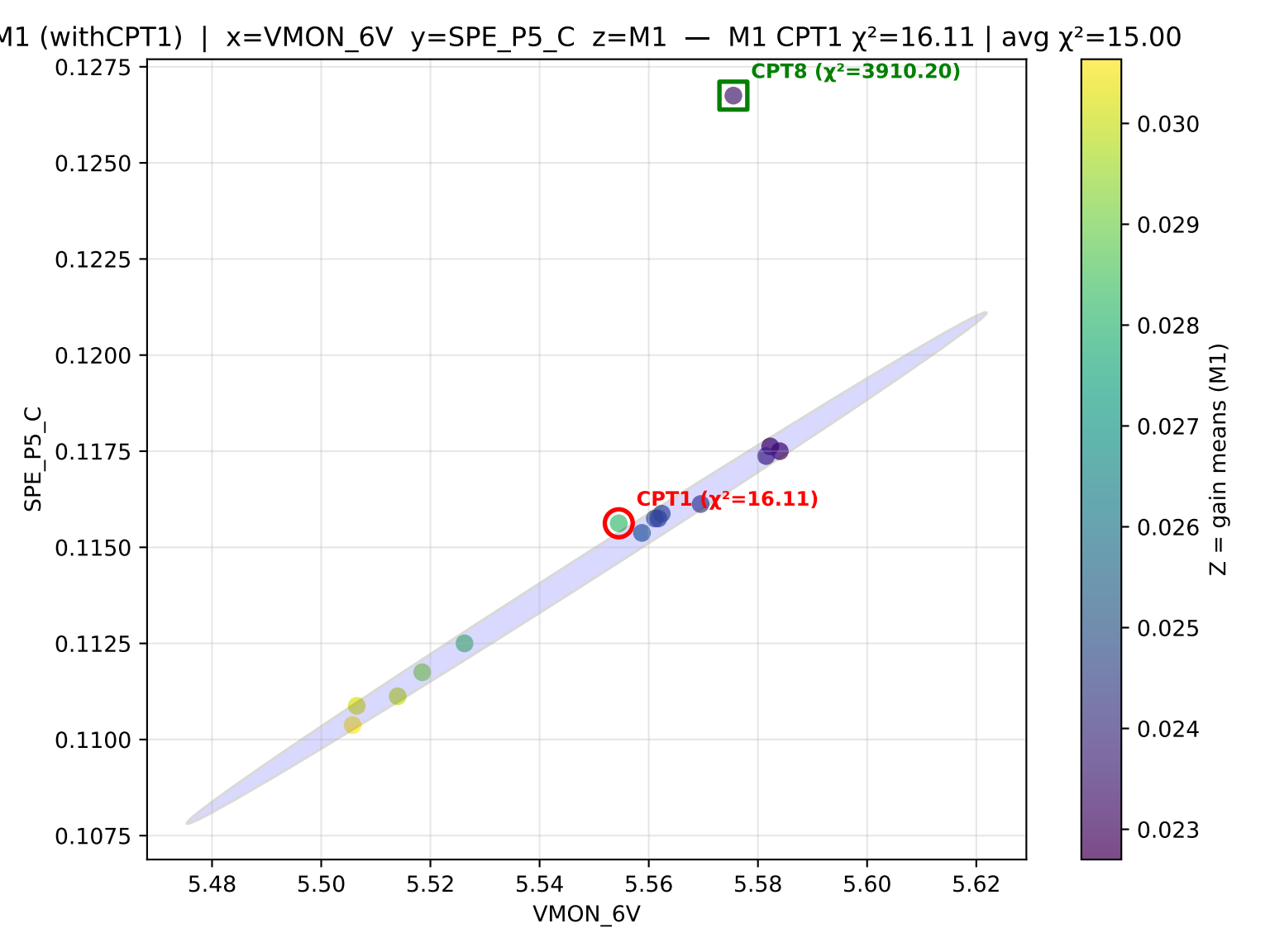

0 (withCPT1) | x=VMON_6V y=SPE_P5_C z=L0 — L0 CPT1 χ²=12.97 | avg χ²=15.00
CPT1 (χ²=12.97)
CPT8 (χ²=366.92)
SPE_P5_C
VMON_6V
Z = gain means (L0)
0.128
0.126
0.124
0.122
0.120
0.118
0.116
0.114
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

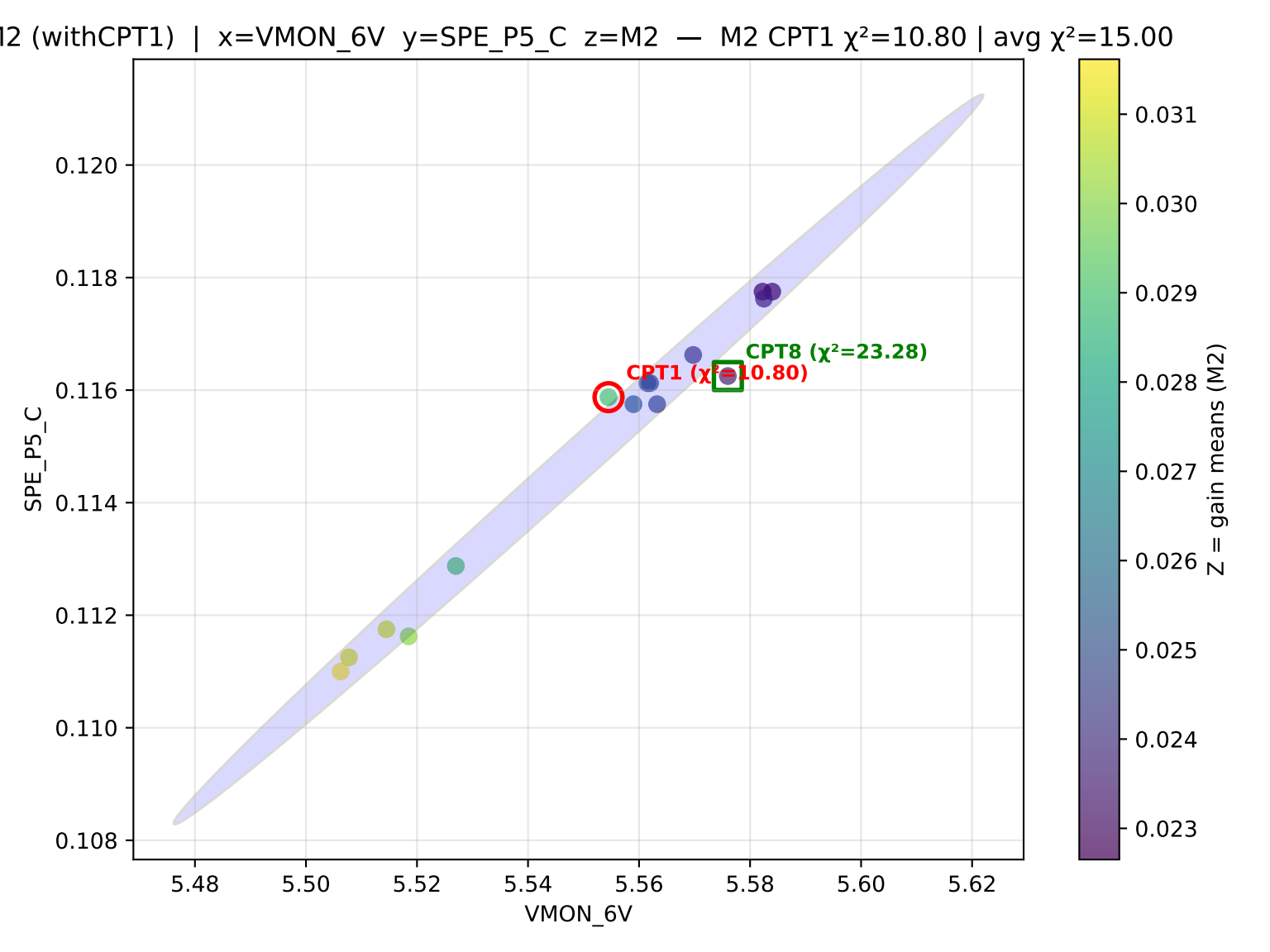

1 (withCPT1) | x=VMON_6V y=SPE_P5_C z=L1 — L1 CPT1 χ²=17.26 | avg χ²=15.00
CPT1 (χ²=17.26)
CPT8 (χ²=245.76)
SPE_P5_C
VMON_6V
Z = gain means (L1)
0.126
0.124
0.122
0.120
0.118
0.116
0.114
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052

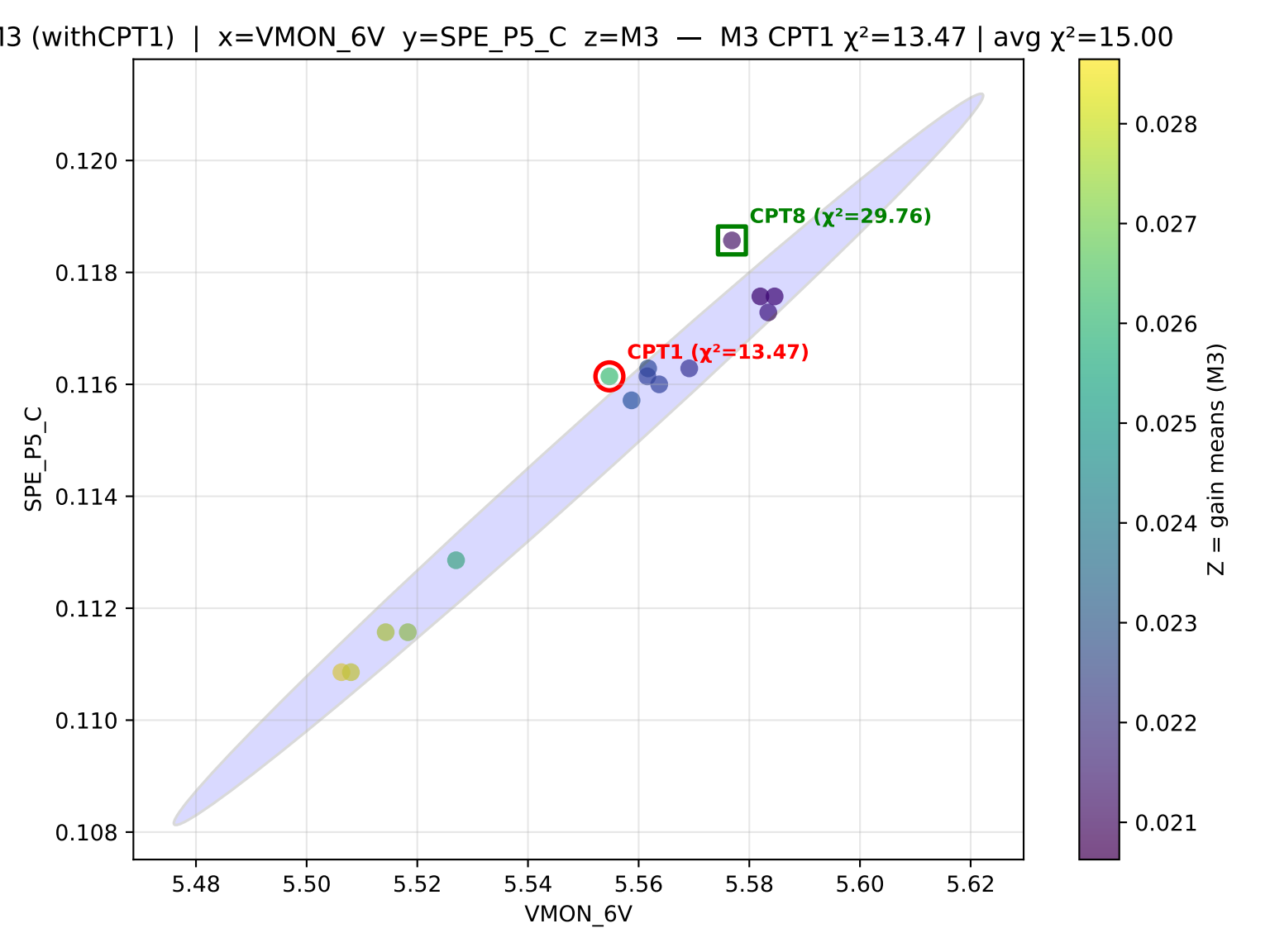

2 (withCPT1) | x=VMON_6V y=SPE_P5_C z=L2 — L2 CPT1 χ²=10.52 | avg χ²=15.00
CPT8 (χ²=1.43)
CPT1 (χ²=10.52)
SPE_P5_C
VMON_6V
Z = gain means (L2)
0.126
0.124
0.122
0.120
0.118
0.116
0.114
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


L3 (withCPT1) | x=VMON_6V y=SPE_P5_C z=L3 — L3 CPT1 χ²=7.05 | avg χ²=15.00
CPT8 (χ²=173.19)
CPT1 (χ²=7.05)
SPE_P5_C
VMON_6V
Z = gain means (L3)
0.126
0.124
0.122
0.120
0.118
0.116
0.114
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


M0 (withCPT1) | x=VMON_6V y=SPE_P5_C z=M0 — M0 CPT1 χ²=1.31 | avg χ²=15.00
CPT8 (χ²=5248.69)
CPT1 (χ²=1.31)
SPE_P5_C
VMON_6V
Z = gain means (M0)
0.130
0.125
0.120
0.115
0.110
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

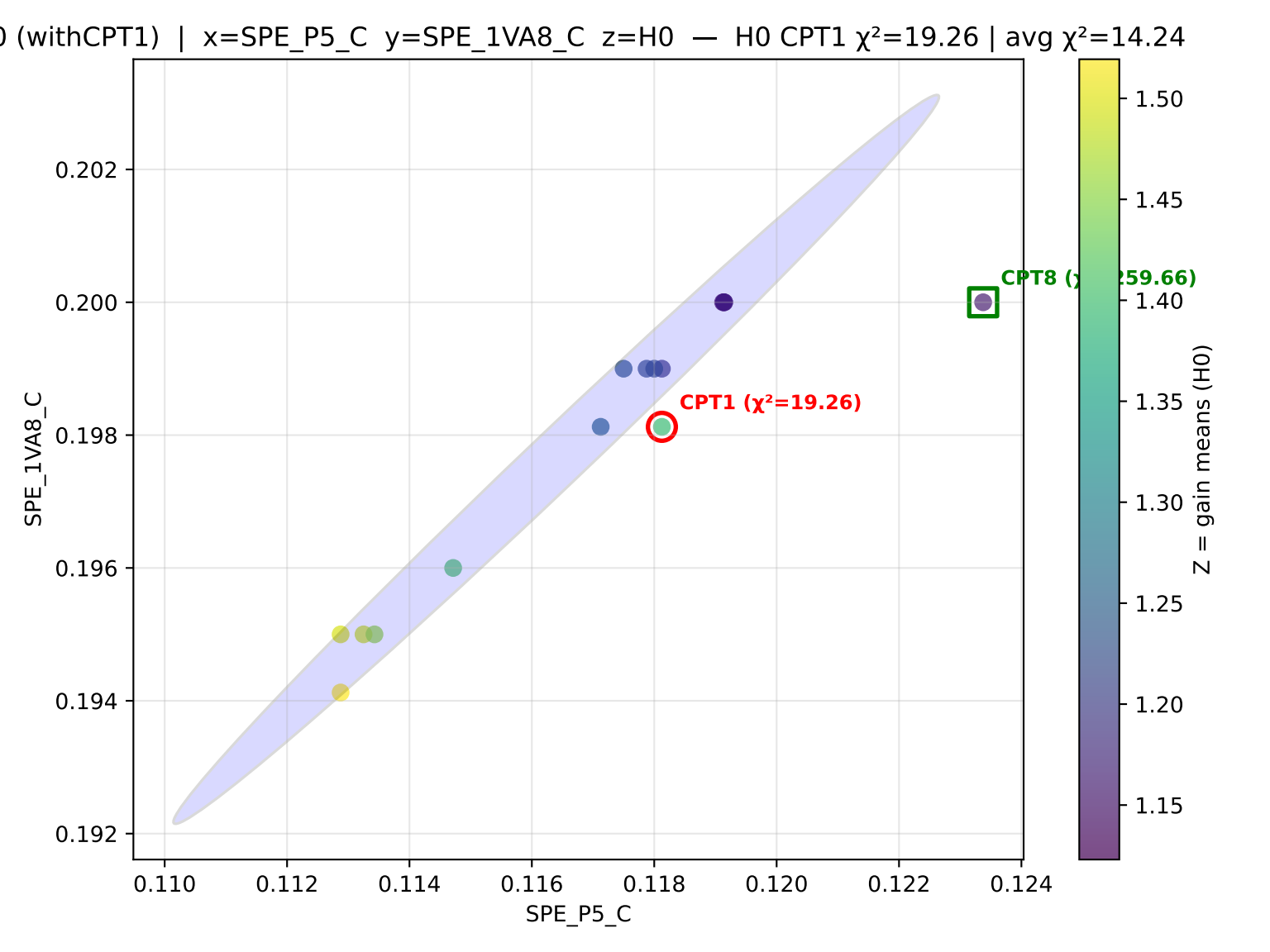

M1 (withCPT1) | x=VMON_6V y=SPE_P5_C z=M1 — M1 CPT1 χ²=16.11 | avg χ²=15.00
CPT8 (χ²=3910.20)
CPT1 (χ²=16.11)
SPE_P5_C
VMON_6V
Z = gain means (M1)
0.1275
0.1250
0.1225
0.1200
0.1175
0.1150
0.1125
0.1100
0.1075
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

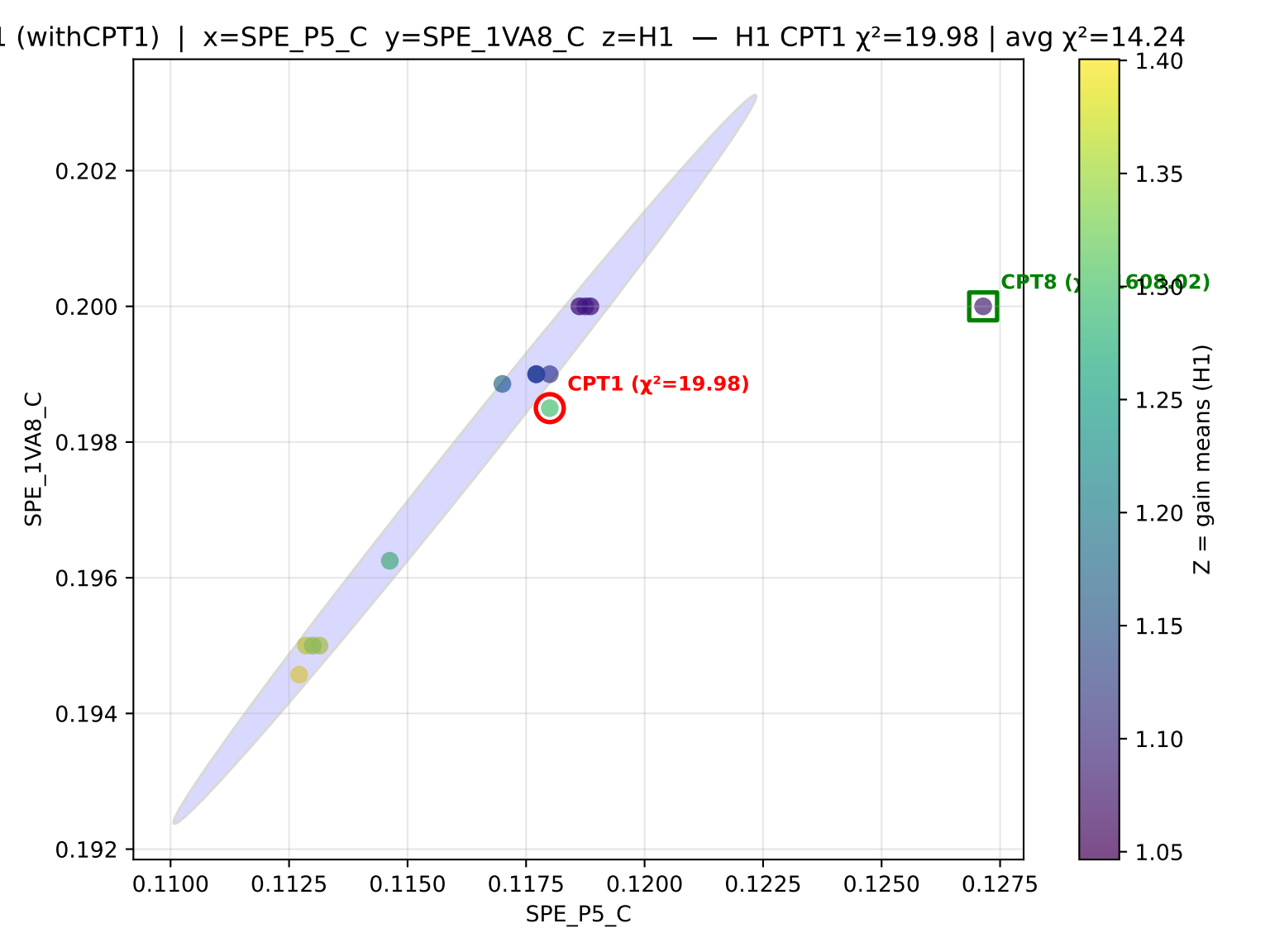

M2 (withCPT1) | x=VMON_6V y=SPE_P5_C z=M2 — M2 CPT1 χ²=10.80 | avg χ²=15.00
CPT8 (χ²=23.28)
CPT1 (χ²=10.80)
SPE_P5_C
VMON_6V
Z = gain means (M2)
0.120
0.118
0.116
0.114
0.112
0.110
0.108
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

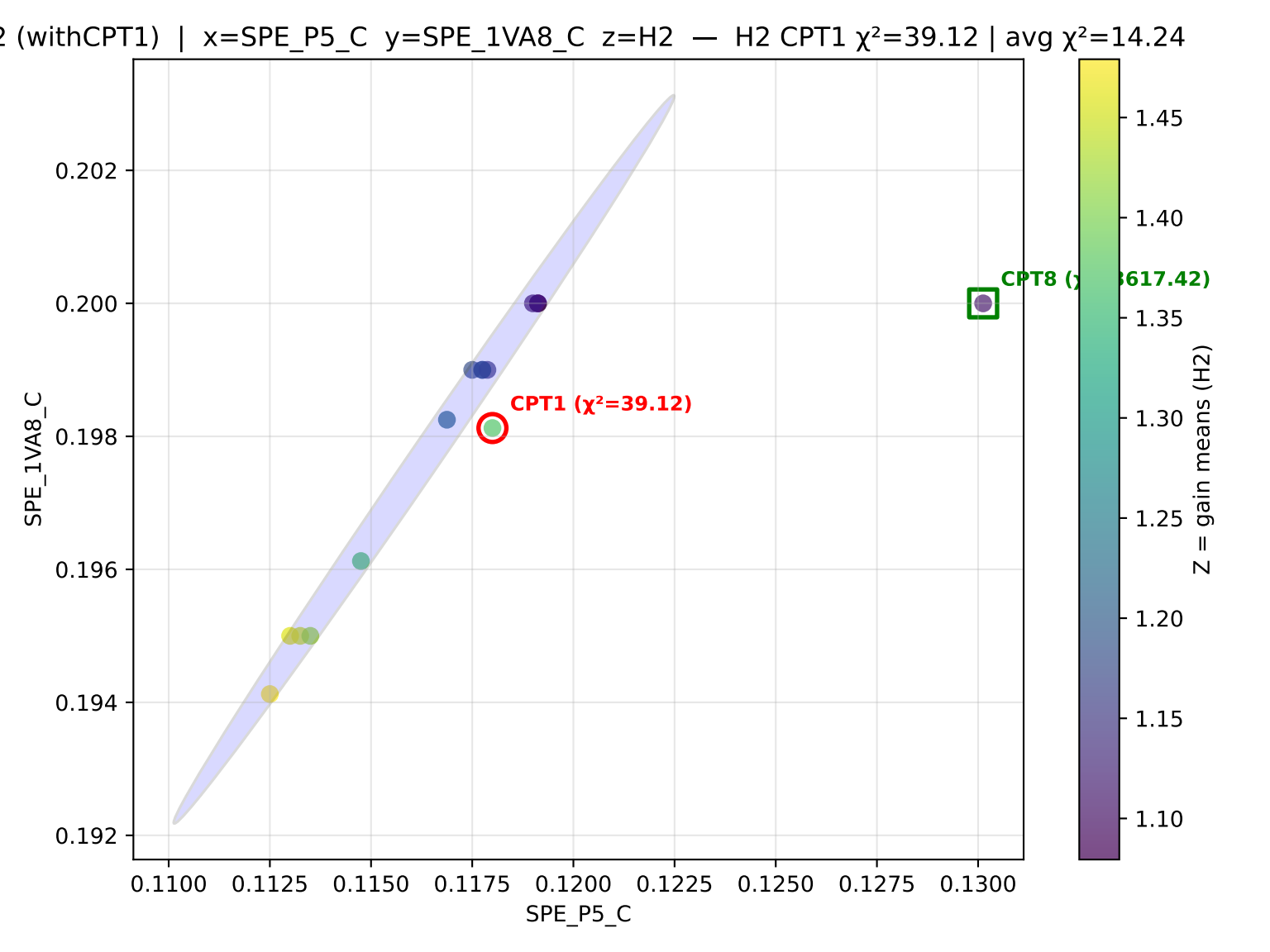

M3 (withCPT1) | x=VMON_6V y=SPE_P5_C z=M3 — M3 CPT1 χ²=13.47 | avg χ²=15.00
CPT8 (χ²=29.76)
CPT1 (χ²=13.47)
SPE_P5_C
VMON_6V
Z = gain means (M3)
0.120
0.118
0.116
0.114
0.112
0.110
0.108
5.48
5.50
5.52
5.54
5.56
5.58
5.60
5.62
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

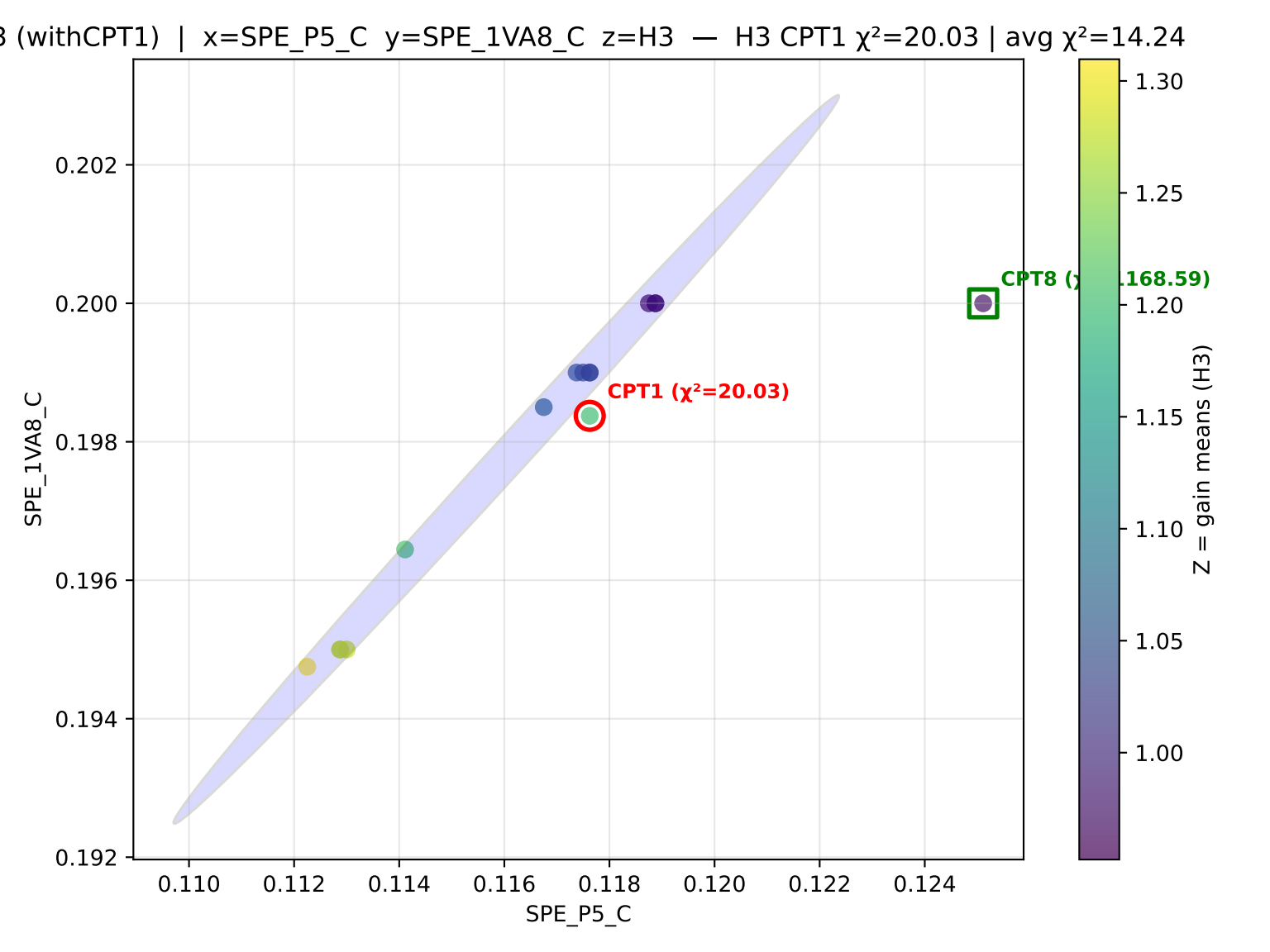
Pair: SPE_P5_C vs SPE_1VA8_C

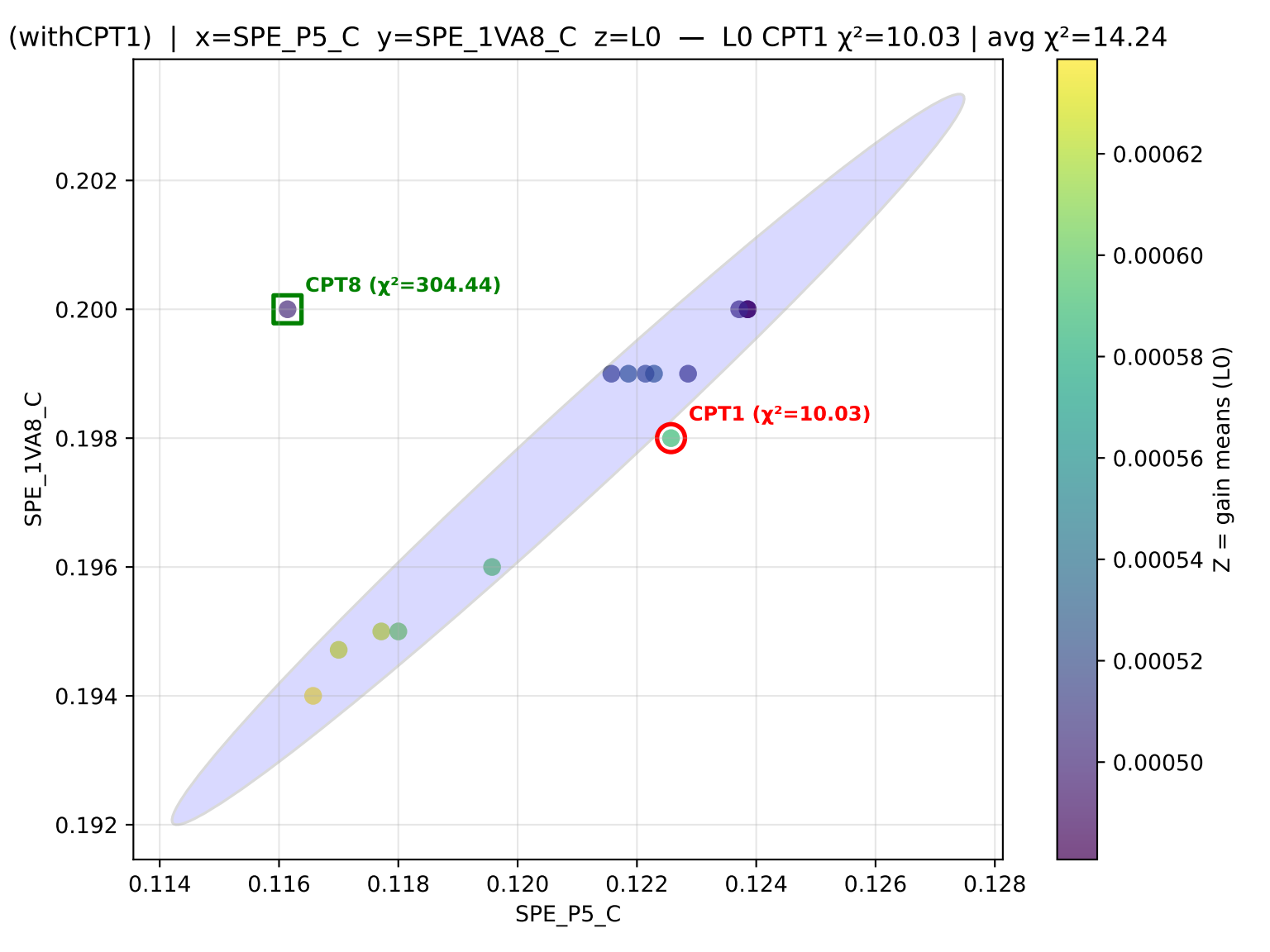
Average χ^2(CPT1) across settings: 14.24

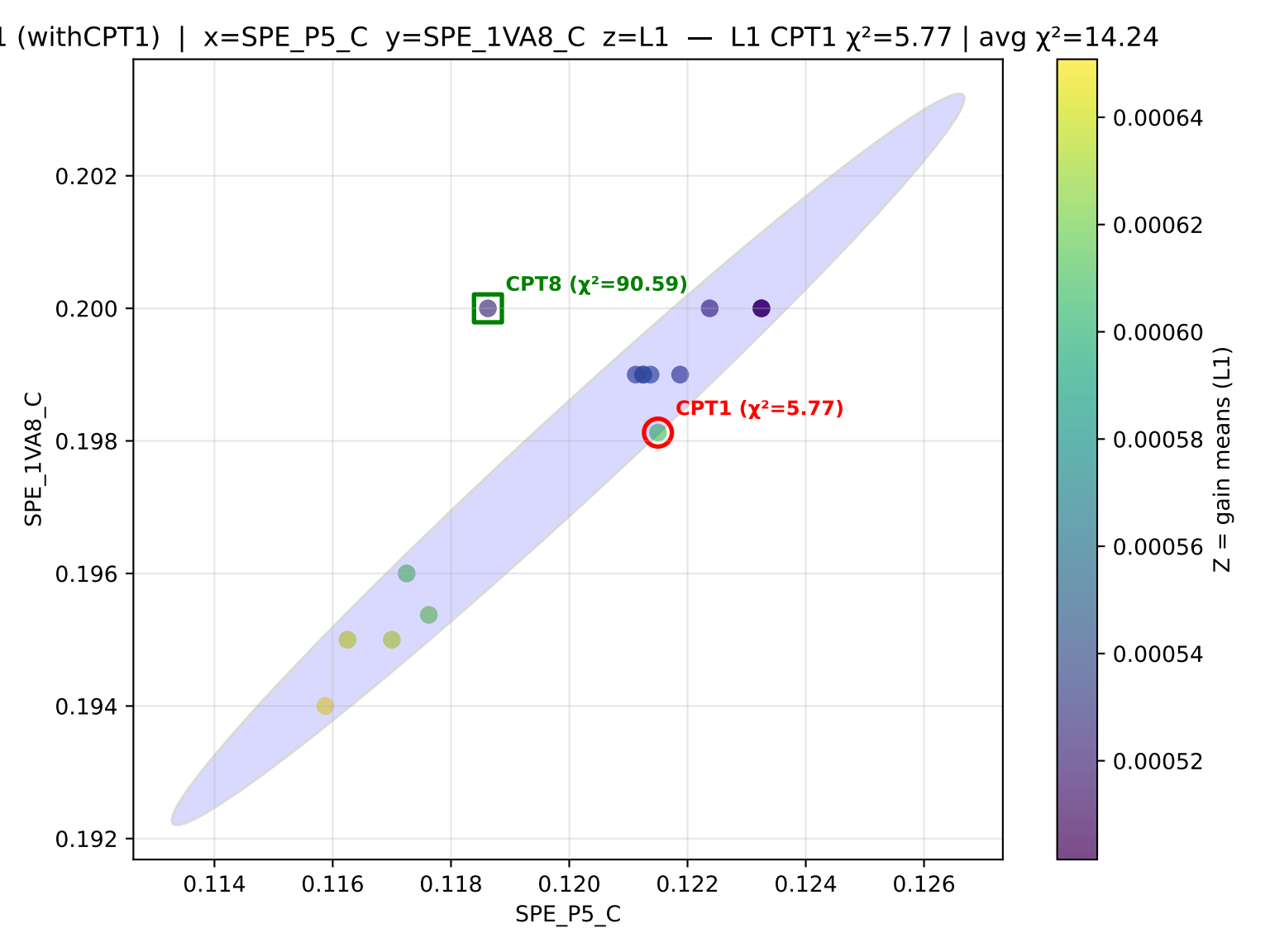

0 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_C z=H0 — H0 CPT1 χ²=19.26 | avg χ²=14.24
CPT1 (χ²=19.26)
CPT8 (
59.66)
SPE_1VA8_C
SPE_P5_C
Z = gain means (H0)
0.202
0.200
0.198
0.196
0.194
0.192
0.110
0.112
0.114
0.116
0.118
0.120
0.122
0.124
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

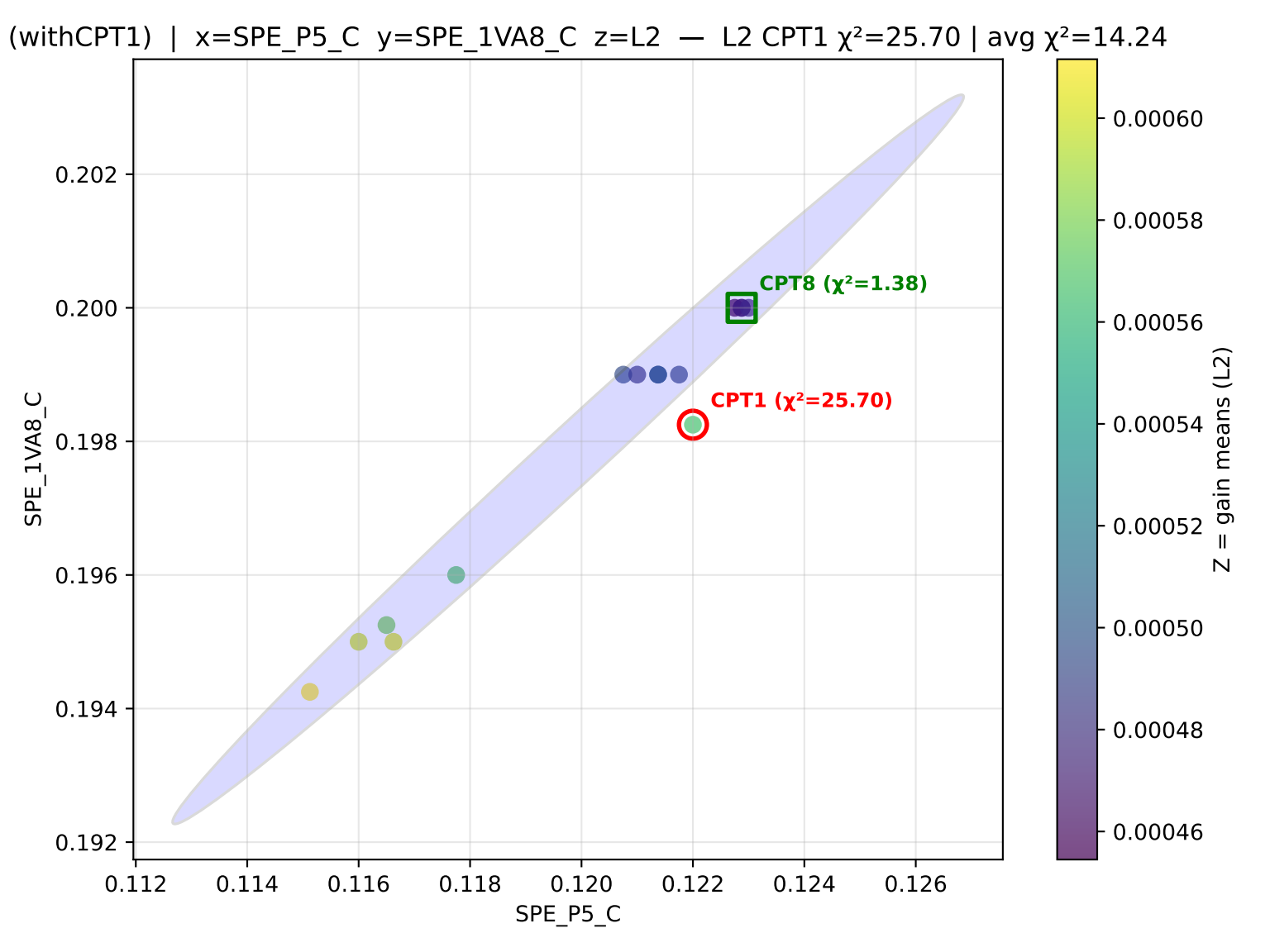

1 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_C z=H1 — H1 CPT1 χ²=19.98 | avg χ²=14.24
CPT1 (χ²=19.98)
CPT8 (χ
608.02)
SPE_1VA8_C
SPE_P5_C
Z = gain means (H1)
0.202
0.200
0.198
0.196
0.194
0.192
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

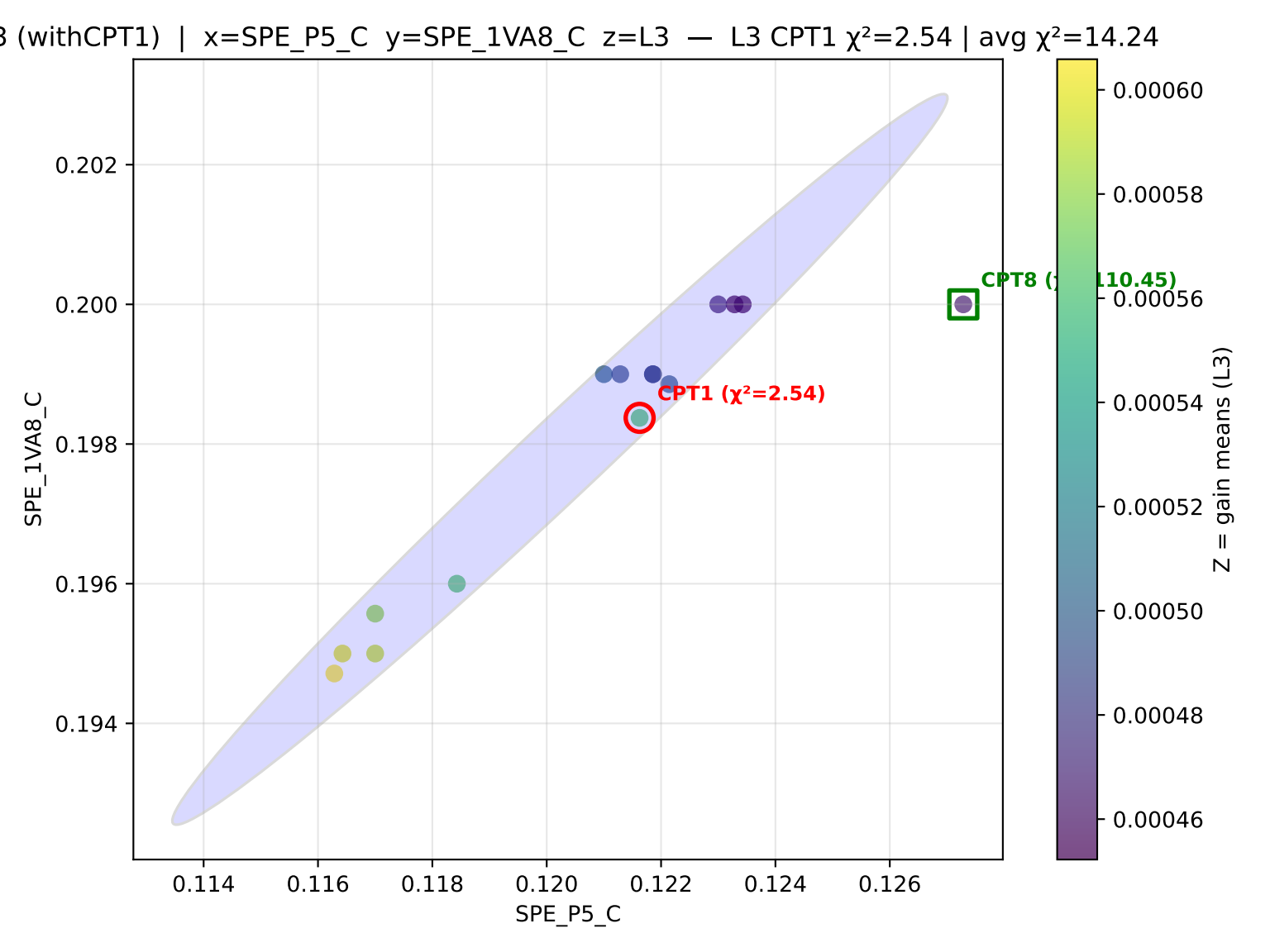

2 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_C z=H2 — H2 CPT1 χ²=39.12 | avg χ²=14.24
CPT1 (χ²=39.12)
CPT8 (
617.42)
SPE_1VA8_C
SPE_P5_C
Z = gain means (H2)
0.202
0.200
0.198
0.196
0.194
0.192
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
0.1300
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10

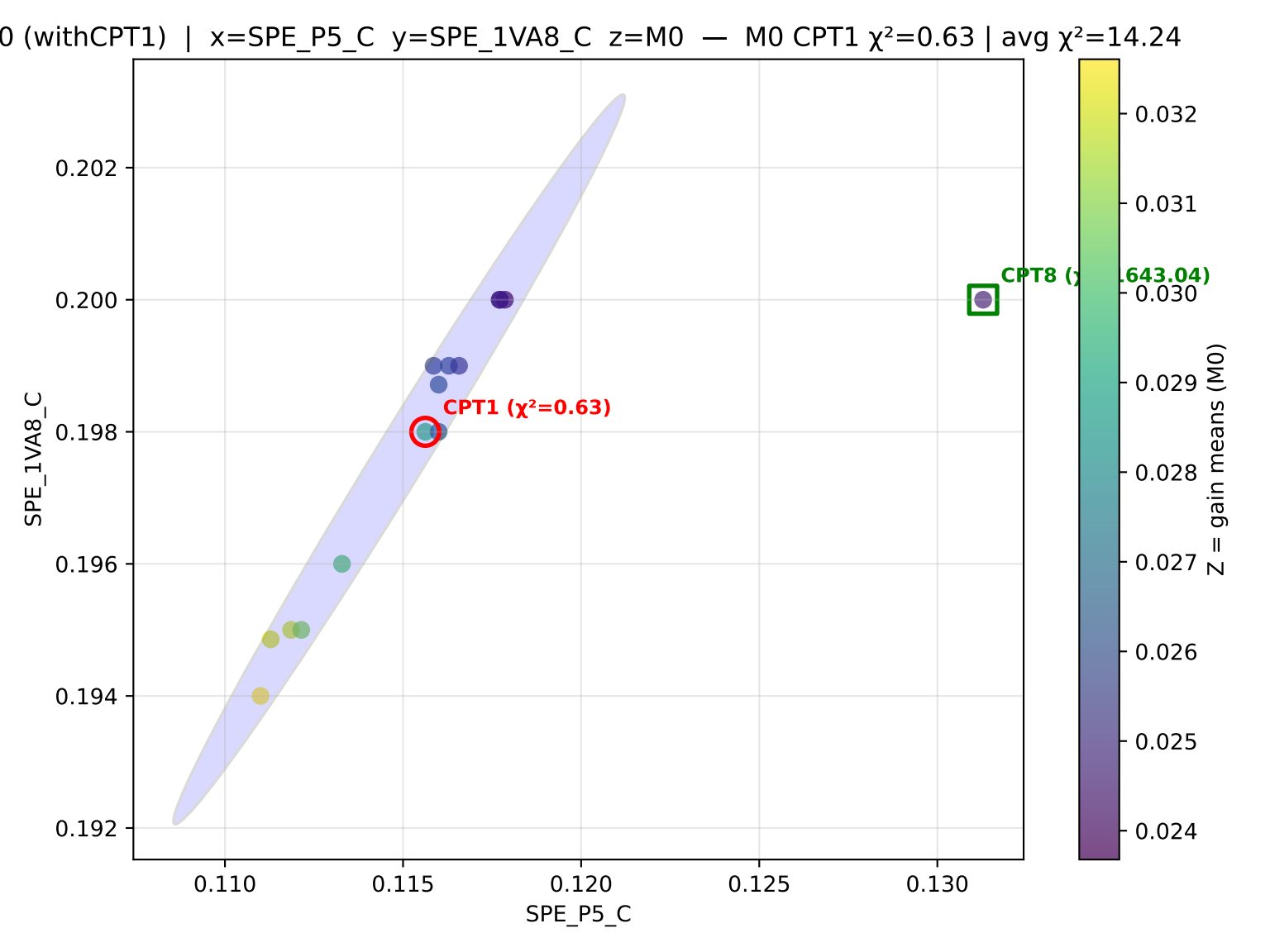

3 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_C z=H3 — H3 CPT1 χ²=20.03 | avg χ²=14.24
CPT1 (χ²=20.03)
CPT8 (χ
168.59)
SPE_1VA8_C
SPE_P5_C
Z = gain means (H3)
0.202
0.200
0.198
0.196
0.194
0.192
0.110
0.112
0.114
0.116
0.118
0.120
0.122
0.124
1.30
1.25
1.20
1.15
1.10
1.05
1.00

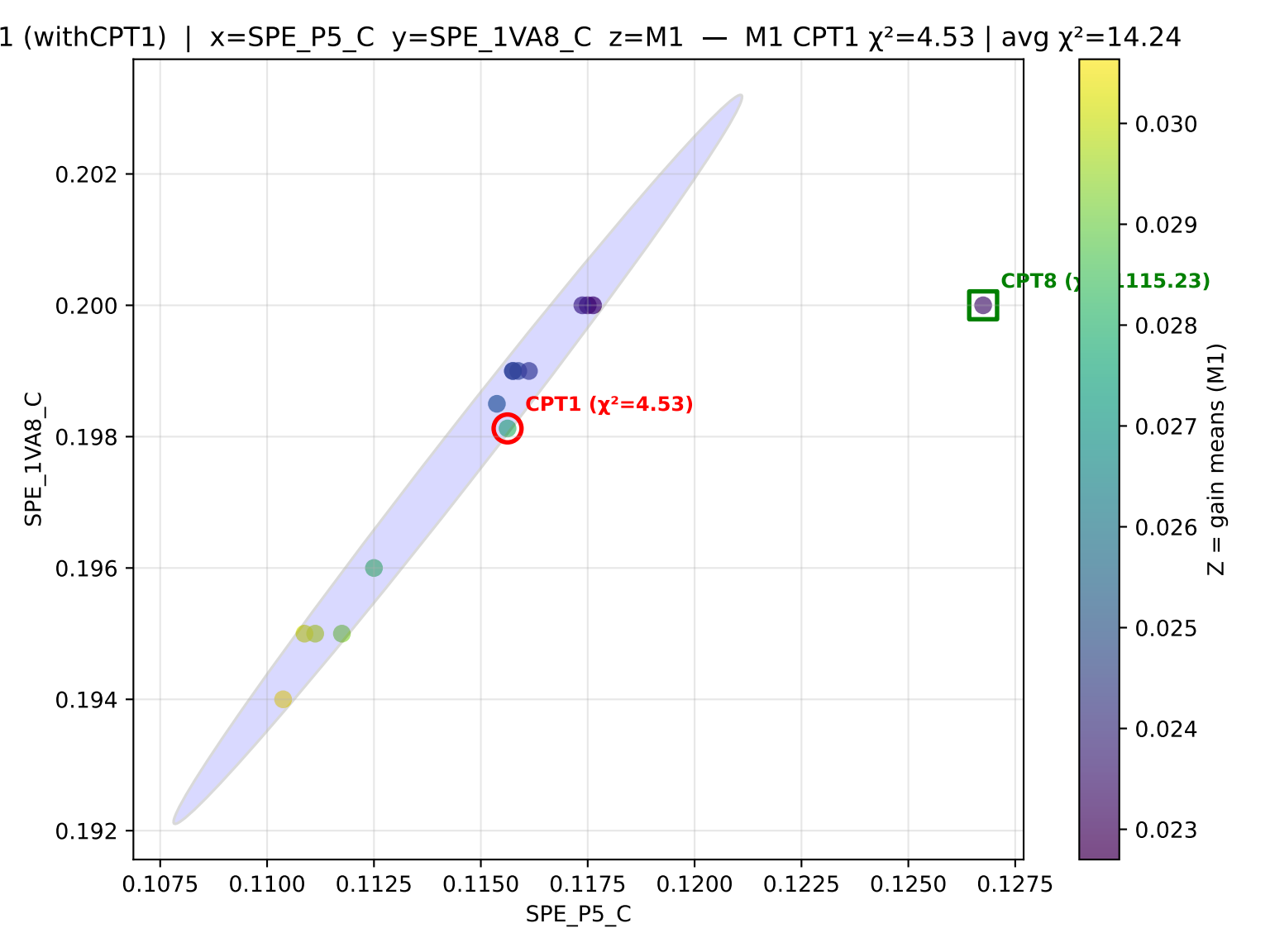

(withCPT1) | x=SPE_P5_C y=SPE_1VA8_C z=L0 — L0 CPT1 χ²=10.03 | avg χ²=14.24
CPT8 (χ²=304.44)
CPT1 (χ²=10.03)
SPE_1VA8_C
SPE_P5_C
Z = gain means (L0)
0.202
0.200
0.198
0.196
0.194
0.192
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.128
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

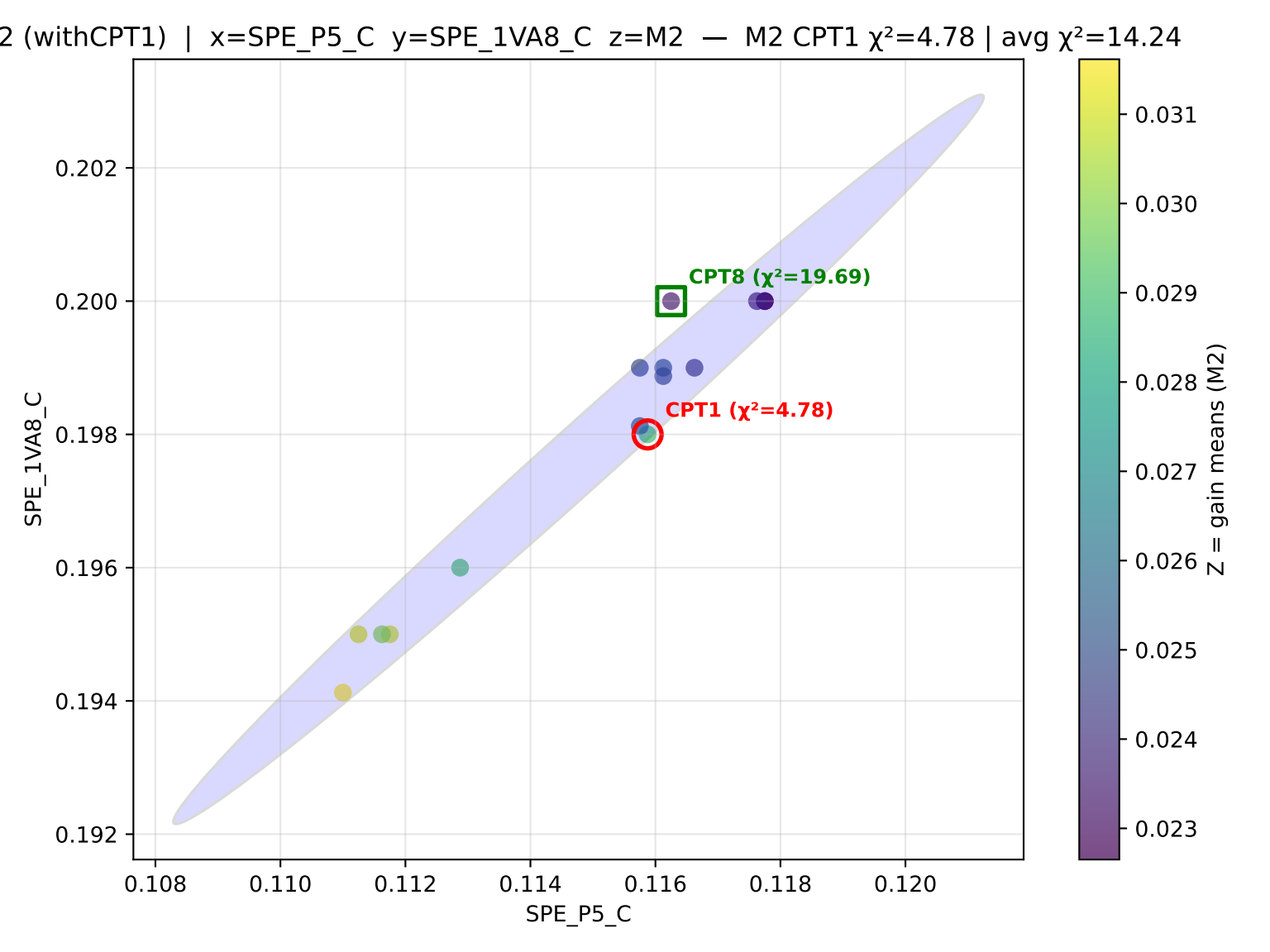

1 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_C z=L1 — L1 CPT1 χ²=5.77 | avg χ²=14.24
CPT8 (χ²=90.59)
CPT1 (χ²=5.77)
SPE_1VA8_C
SPE_P5_C
Z = gain means (L1)
0.202
0.200
0.198
0.196
0.194
0.192
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052

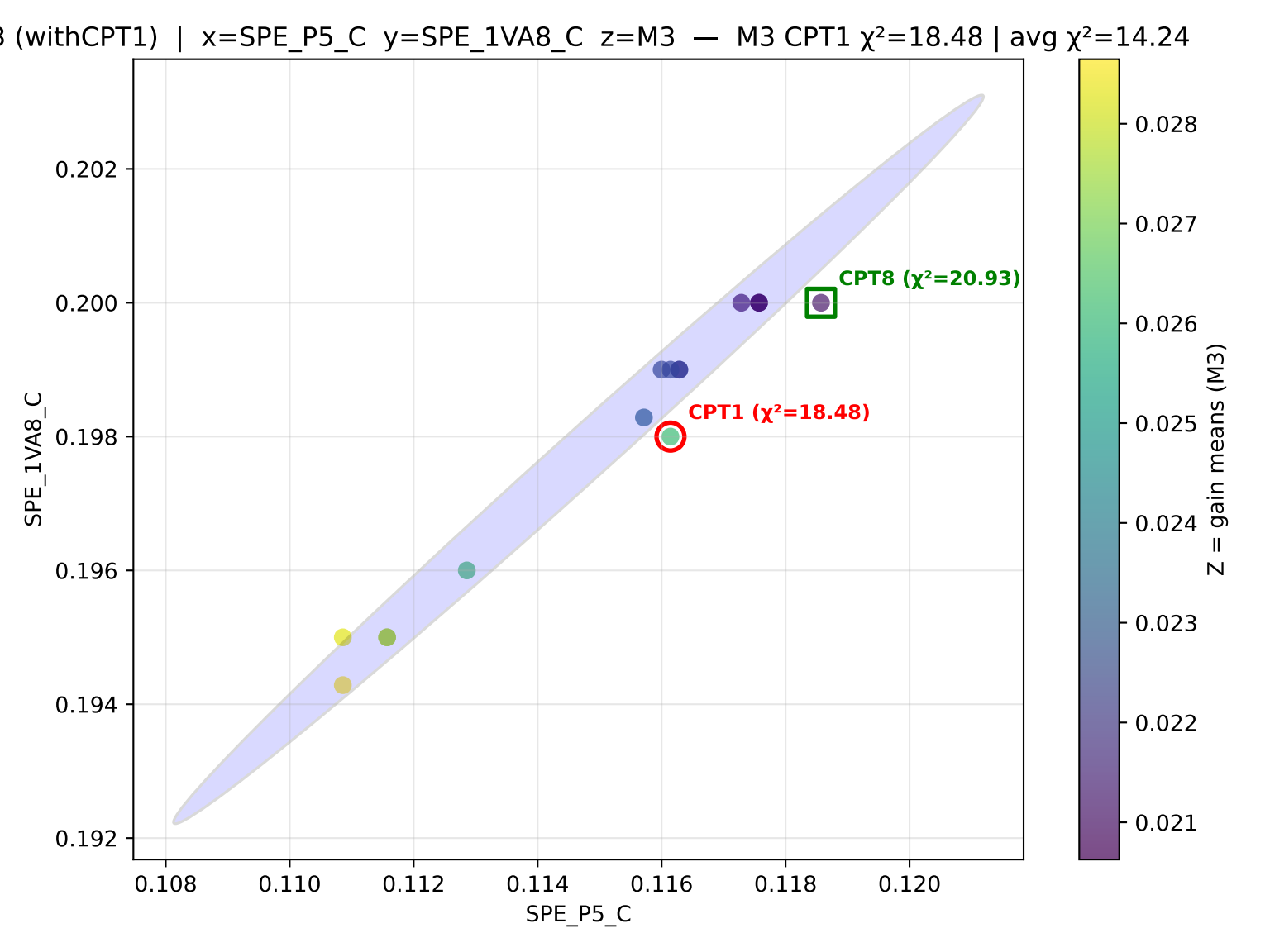

(withCPT1) | x=SPE_P5_C y=SPE_1VA8_C z=L2 — L2 CPT1 χ²=25.70 | avg χ²=14.24
CPT8 (χ²=1.38)
CPT1 (χ²=25.70)
SPE_1VA8_C
SPE_P5_C
Z = gain means (L2)
0.202
0.200
0.198
0.196
0.194
0.192
0.112
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


3 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_C z=L3 — L3 CPT1 χ²=2.54 | avg χ²=14.24
CPT1 (χ²=2.54)
CPT8 (
110.45)
SPE_1VA8_C
SPE_P5_C
Z = gain means (L3)
0.202
0.200
0.198
0.196
0.194
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


0 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_C z=M0 — M0 CPT1 χ²=0.63 | avg χ²=14.24
CPT1 (χ²=0.63)
CPT8 (
643.04)
SPE_1VA8_C
SPE_P5_C
Z = gain means (M0)
0.202
0.200
0.198
0.196
0.194
0.192
0.110
0.115
0.120
0.125
0.130
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

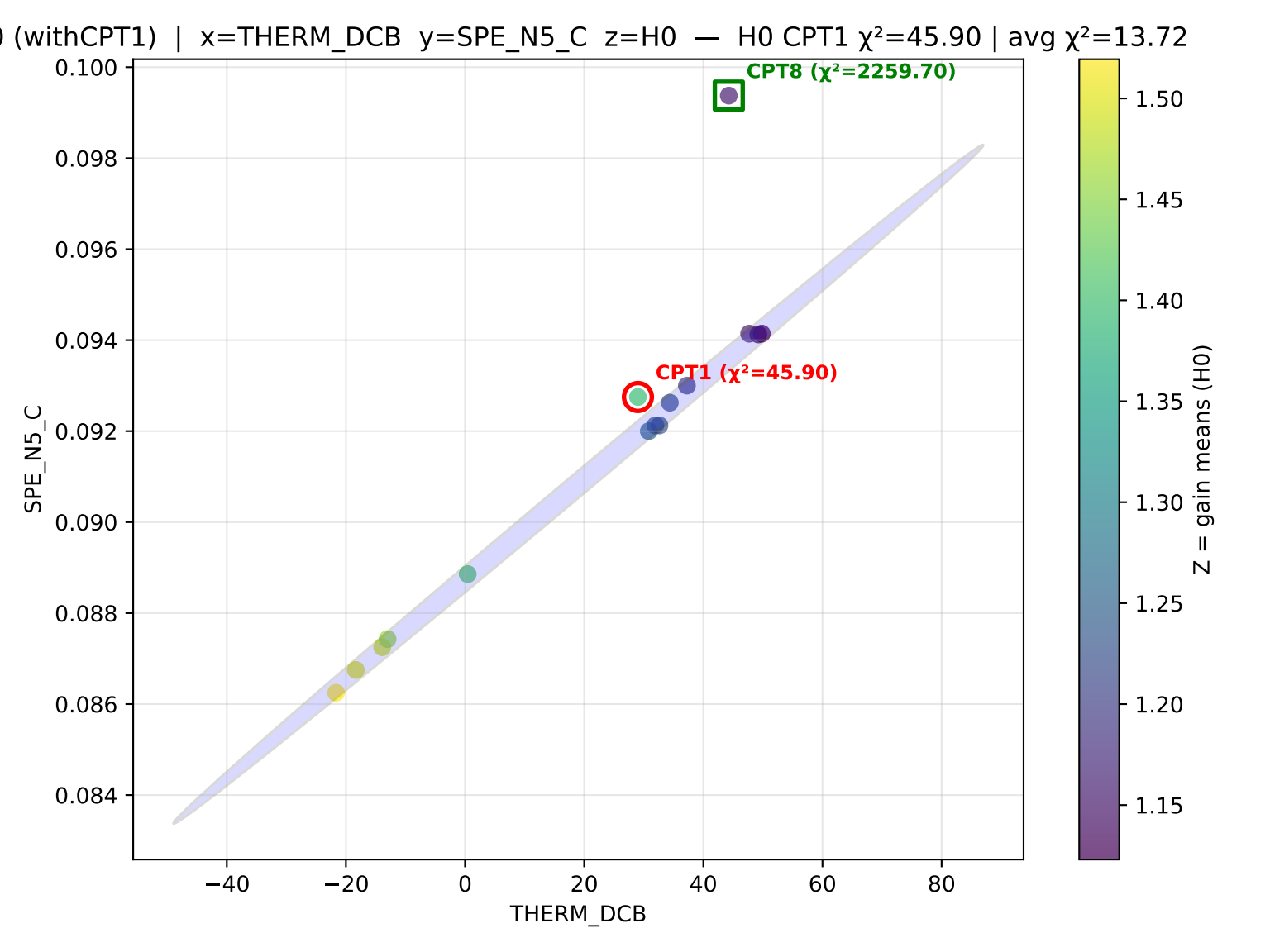

1 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_C z=M1 — M1 CPT1 χ²=4.53 | avg χ²=14.24
CPT1 (χ²=4.53)
CPT8 (χ
115.23)
SPE_1VA8_C
SPE_P5_C
Z = gain means (M1)
0.202
0.200
0.198
0.196
0.194
0.192
0.1075
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

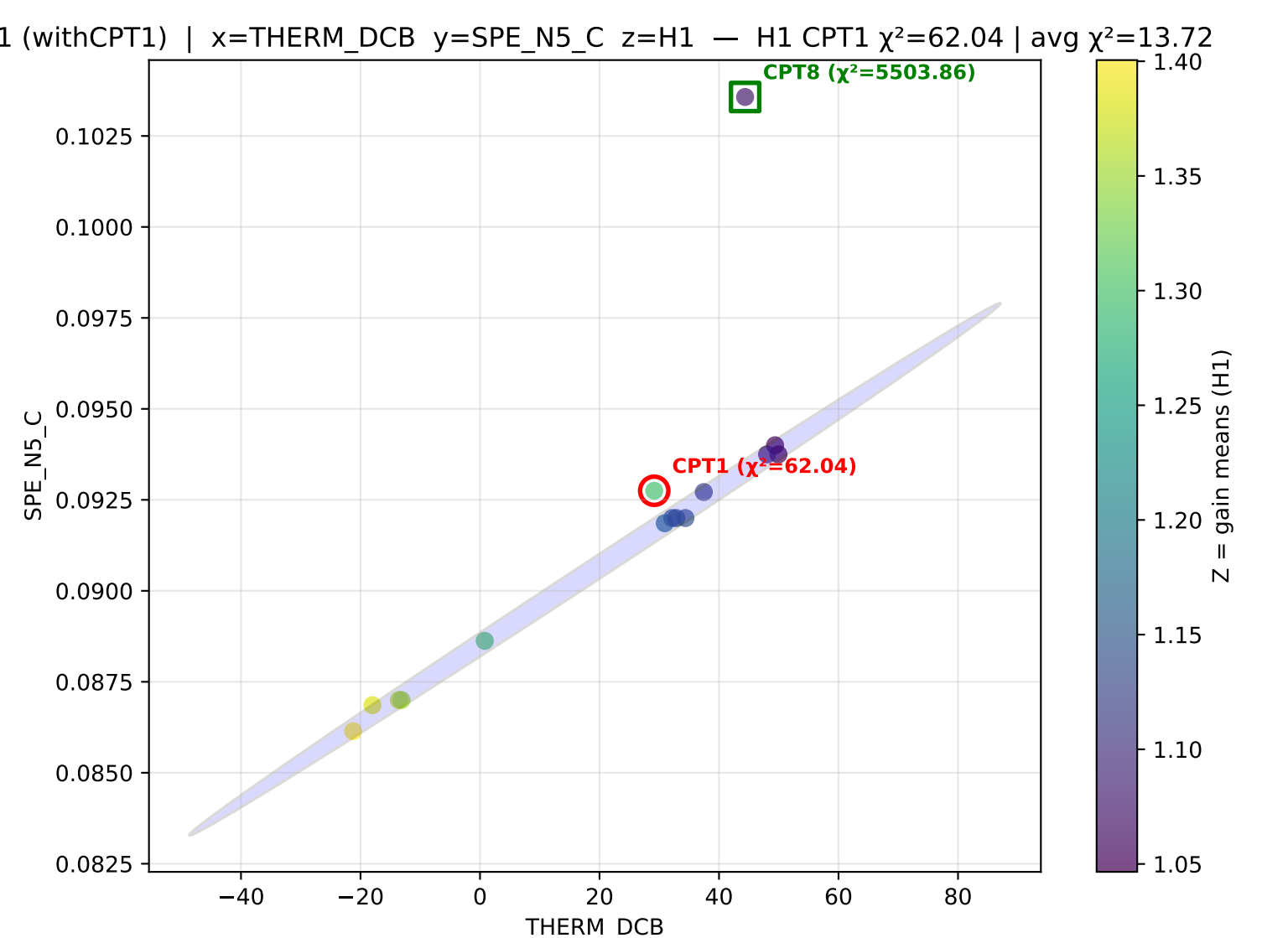

2 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_C z=M2 — M2 CPT1 χ²=4.78 | avg χ²=14.24
CPT8 (χ²=19.69)
CPT1 (χ²=4.78)
SPE_1VA8_C
SPE_P5_C
Z = gain means (M2)
0.202
0.200
0.198
0.196
0.194
0.192
0.108
0.110
0.112
0.114
0.116
0.118
0.120
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

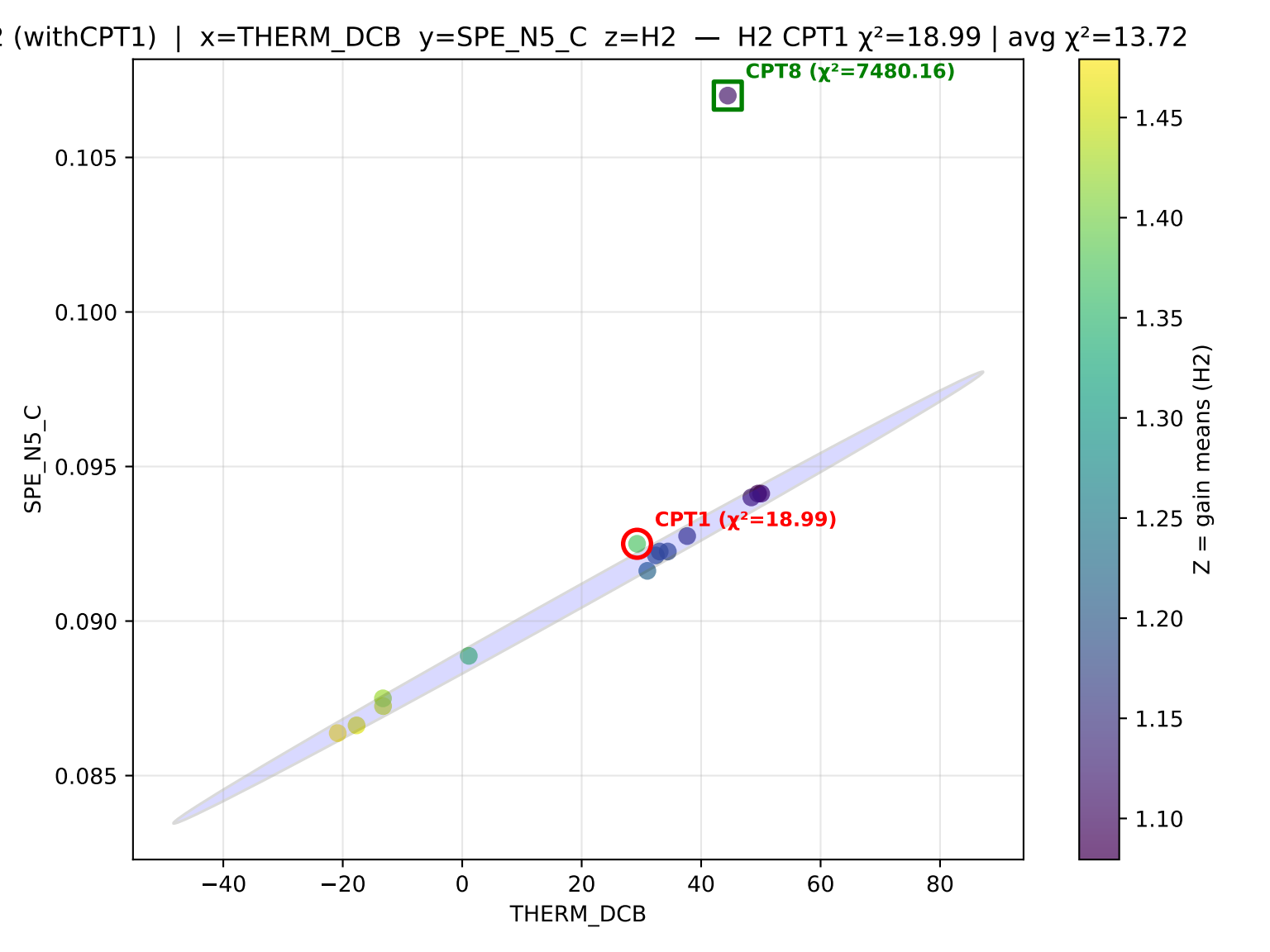

3 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_C z=M3 — M3 CPT1 χ²=18.48 | avg χ²=14.24
CPT8 (χ²=20.93)
CPT1 (χ²=18.48)
SPE_1VA8_C
SPE_P5_C
Z = gain means (M3)
0.202
0.200
0.198
0.196
0.194
0.192
0.108
0.110
0.112
0.114
0.116
0.118
0.120
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

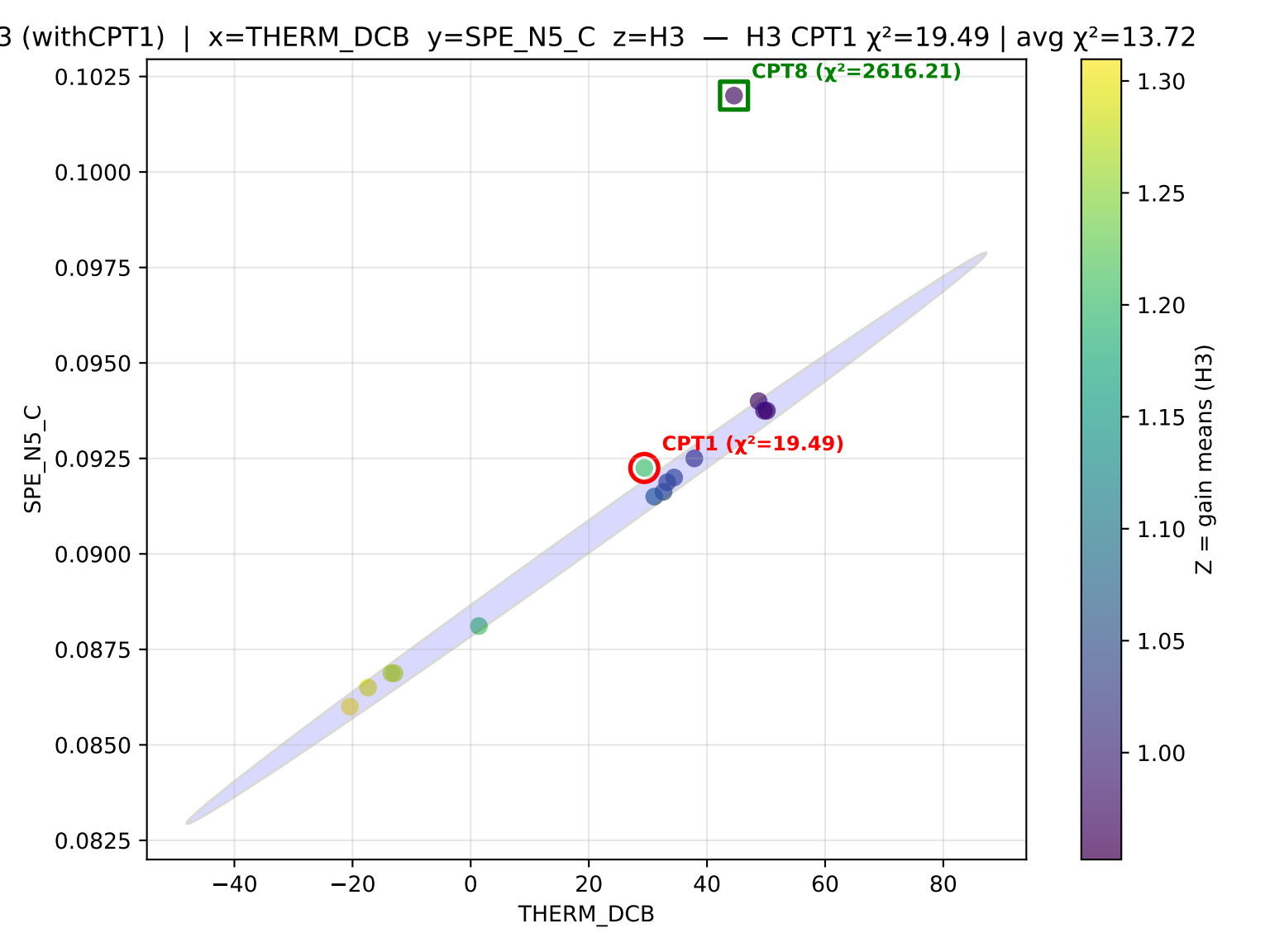
Pair: THERM_DCB vs SPE_N5_C

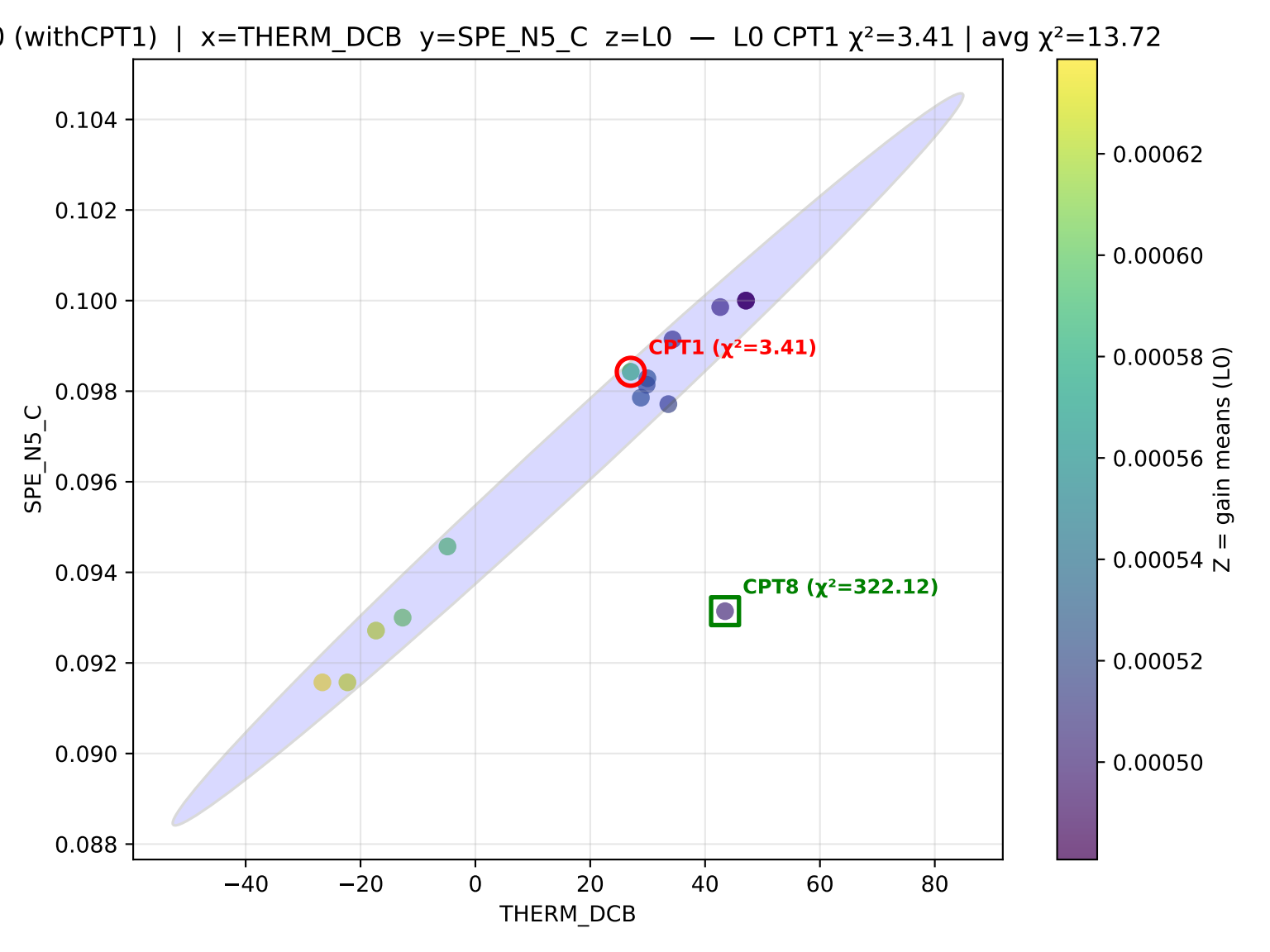
Average χ^2(CPT1) across settings: 13.72

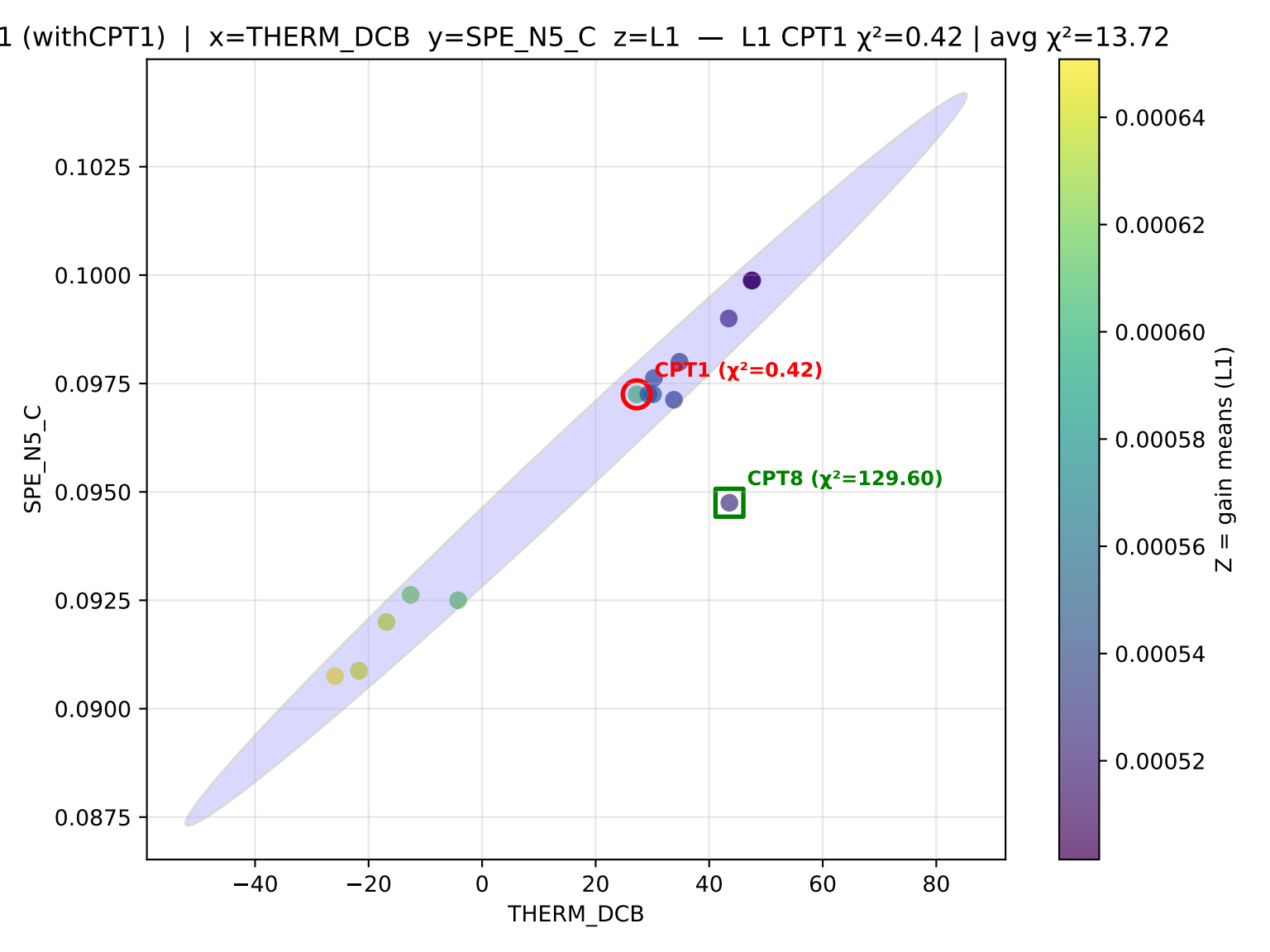

0 (withCPT1) | x=THERM_DCB y=SPE_N5_C z=H0 — H0 CPT1 χ²=45.90 | avg χ²=13.72
CPT8 (χ²=2259.70)
CPT1 (χ²=45.90)
SPE_N5_C
THERM_DCB
Z = gain means (H0)
0.100
0.098
0.096
0.094
0.092
0.090
0.088
0.086
0.084
−40
−20
0
20
40
60
80
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

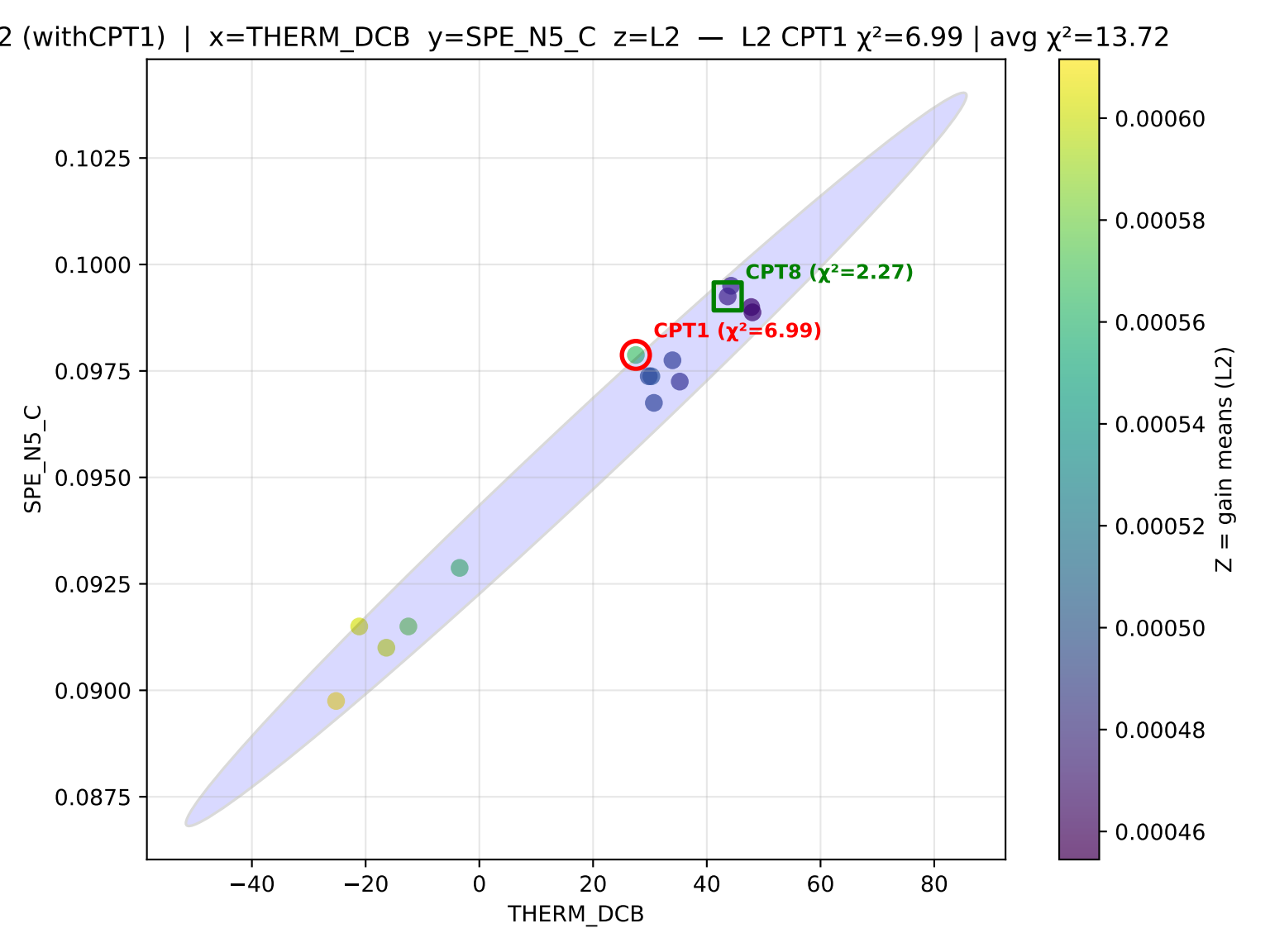

1 (withCPT1) | x=THERM_DCB y=SPE_N5_C z=H1 — H1 CPT1 χ²=62.04 | avg χ²=13.72
CPT8 (χ²=5503.86)
CPT1 (χ²=62.04)
SPE_N5_C
THERM_DCB
Z = gain means (H1)
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
0.0850
0.0825
−40
−20
0
20
40
60
80
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

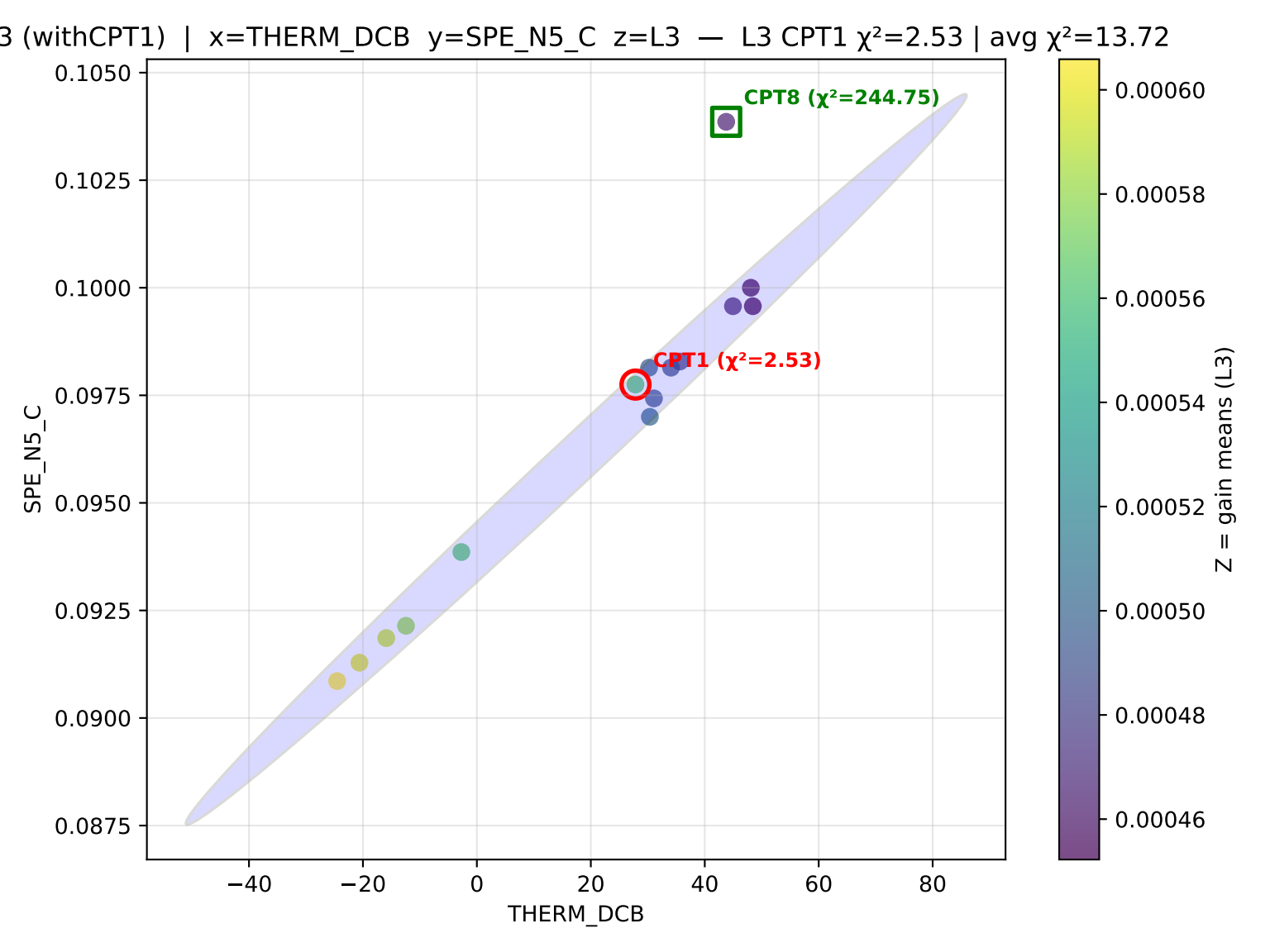

2 (withCPT1) | x=THERM_DCB y=SPE_N5_C z=H2 — H2 CPT1 χ²=18.99 | avg χ²=13.72
CPT8 (χ²=7480.16)
CPT1 (χ²=18.99)
SPE_N5_C
THERM_DCB
Z = gain means (H2)
0.105
0.100
0.095
0.090
0.085
−40
−20
0
20
40
60
80
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10

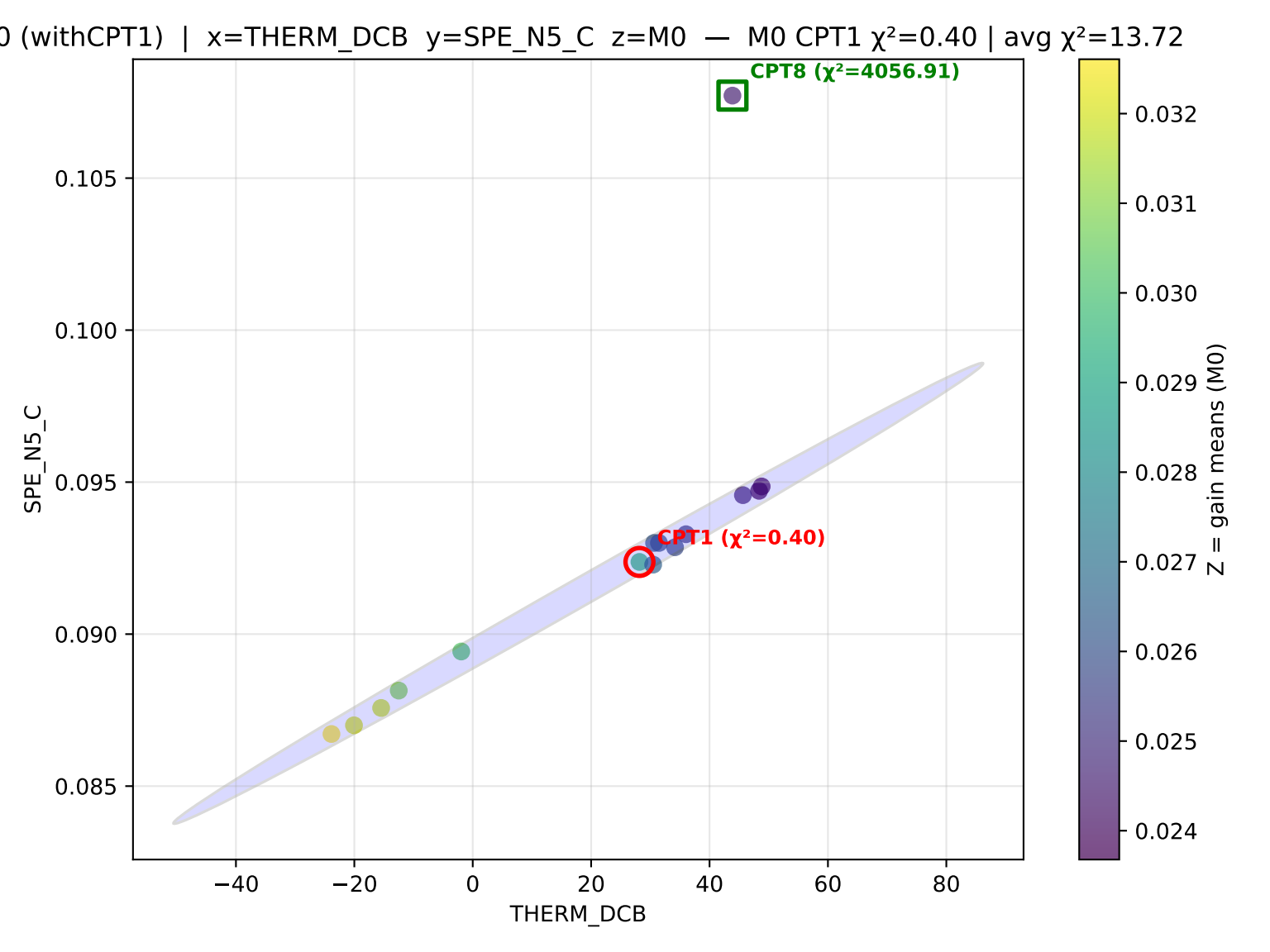

3 (withCPT1) | x=THERM_DCB y=SPE_N5_C z=H3 — H3 CPT1 χ²=19.49 | avg χ²=13.72
CPT8 (χ²=2616.21)
CPT1 (χ²=19.49)
SPE_N5_C
THERM_DCB
Z = gain means (H3)
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
0.0850
0.0825
−40
−20
0
20
40
60
80
1.30
1.25
1.20
1.15
1.10
1.05
1.00

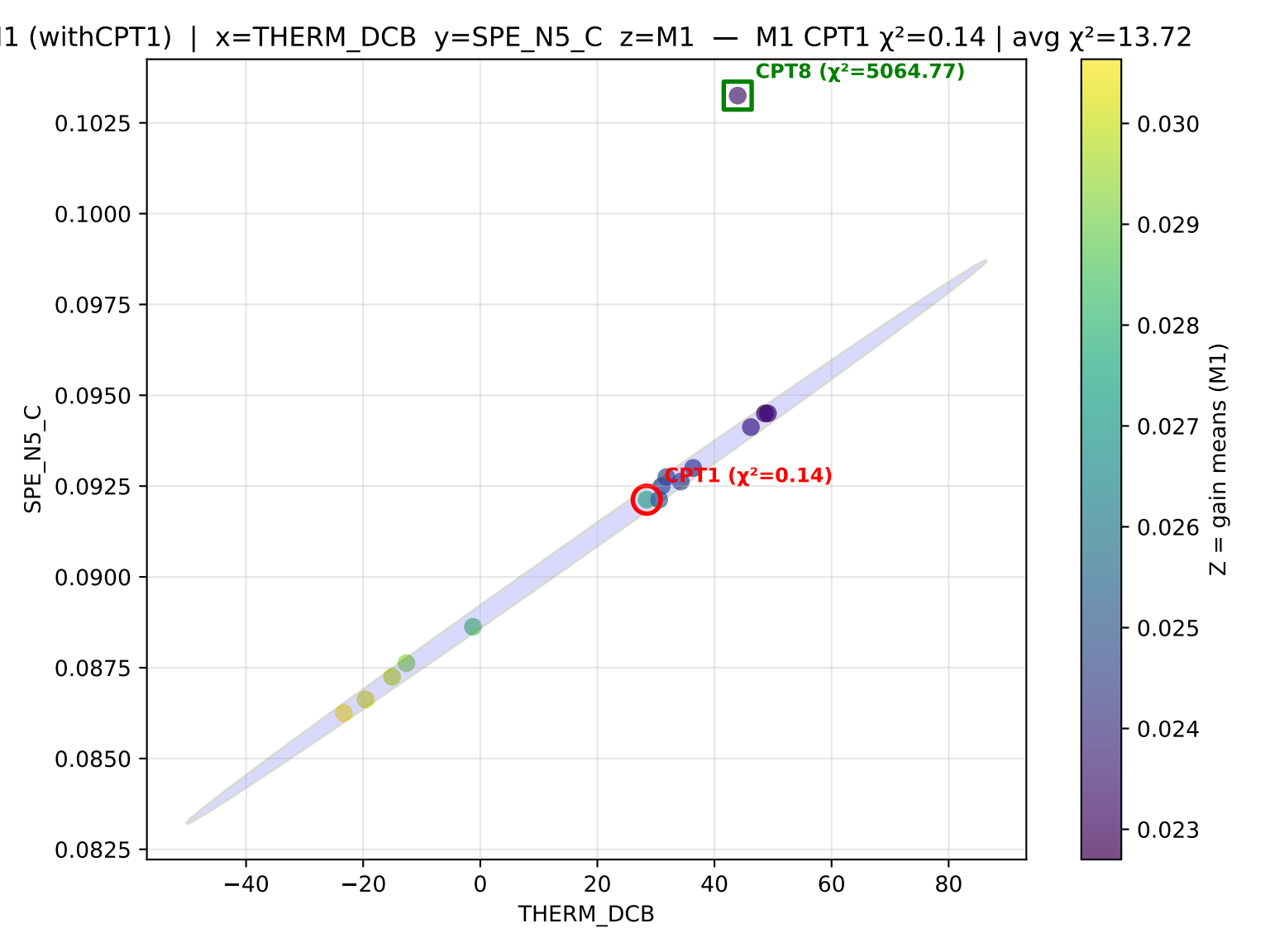

0 (withCPT1) | x=THERM_DCB y=SPE_N5_C z=L0 — L0 CPT1 χ²=3.41 | avg χ²=13.72
CPT1 (χ²=3.41)
CPT8 (χ²=322.12)
SPE_N5_C
THERM_DCB
Z = gain means (L0)
0.104
0.102
0.100
0.098
0.096
0.094
0.092
0.090
0.088
−40
−20
0
20
40
60
80
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

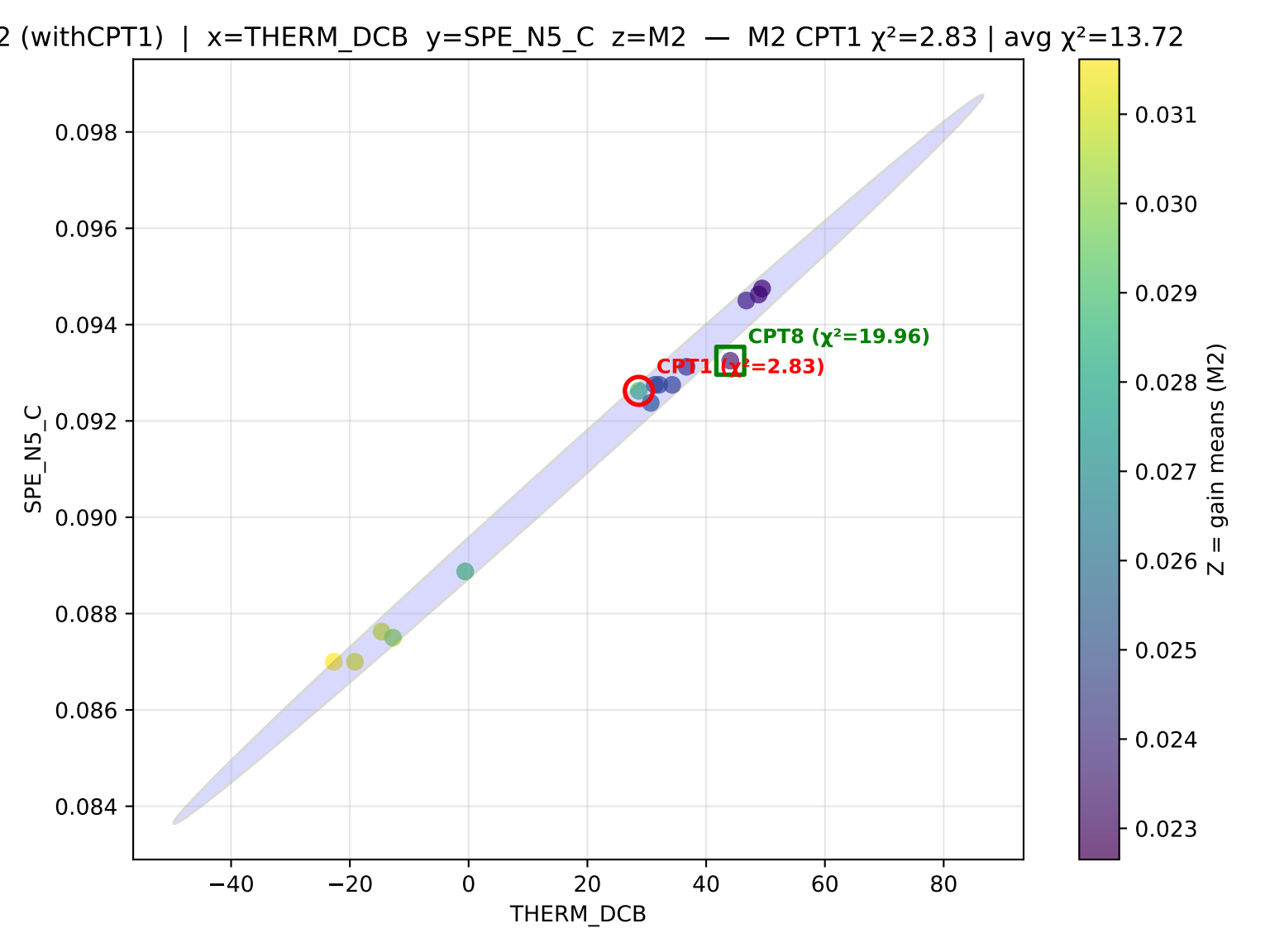

1 (withCPT1) | x=THERM_DCB y=SPE_N5_C z=L1 — L1 CPT1 χ²=0.42 | avg χ²=13.72
CPT1 (χ²=0.42)
CPT8 (χ²=129.60)
SPE_N5_C
THERM_DCB
Z = gain means (L1)
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
−40
−20
0
20
40
60
80
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052

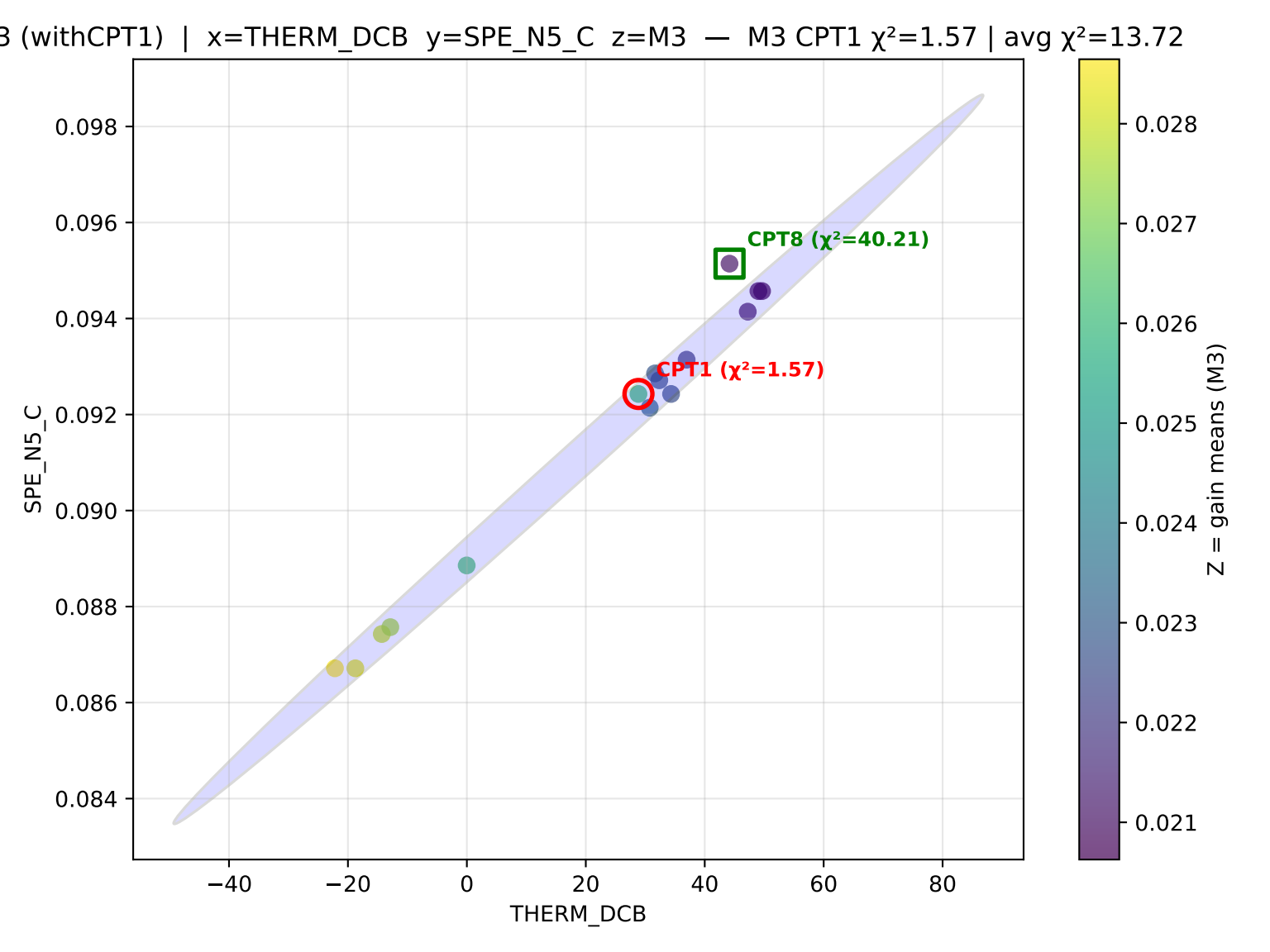

2 (withCPT1) | x=THERM_DCB y=SPE_N5_C z=L2 — L2 CPT1 χ²=6.99 | avg χ²=13.72
CPT8 (χ²=2.27)
CPT1 (χ²=6.99)
SPE_N5_C
THERM_DCB
Z = gain means (L2)
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
−40
−20
0
20
40
60
80
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


3 (withCPT1) | x=THERM_DCB y=SPE_N5_C z=L3 — L3 CPT1 χ²=2.53 | avg χ²=13.72
CPT8 (χ²=244.75)
CPT1 (χ²=2.53)
SPE_N5_C
THERM_DCB
Z = gain means (L3)
0.1050
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
−40
−20
0
20
40
60
80
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


0 (withCPT1) | x=THERM_DCB y=SPE_N5_C z=M0 — M0 CPT1 χ²=0.40 | avg χ²=13.72
CPT8 (χ²=4056.91)
CPT1 (χ²=0.40)
SPE_N5_C
THERM_DCB
Z = gain means (M0)
0.105
0.100
0.095
0.090
0.085
−40
−20
0
20
40
60
80
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

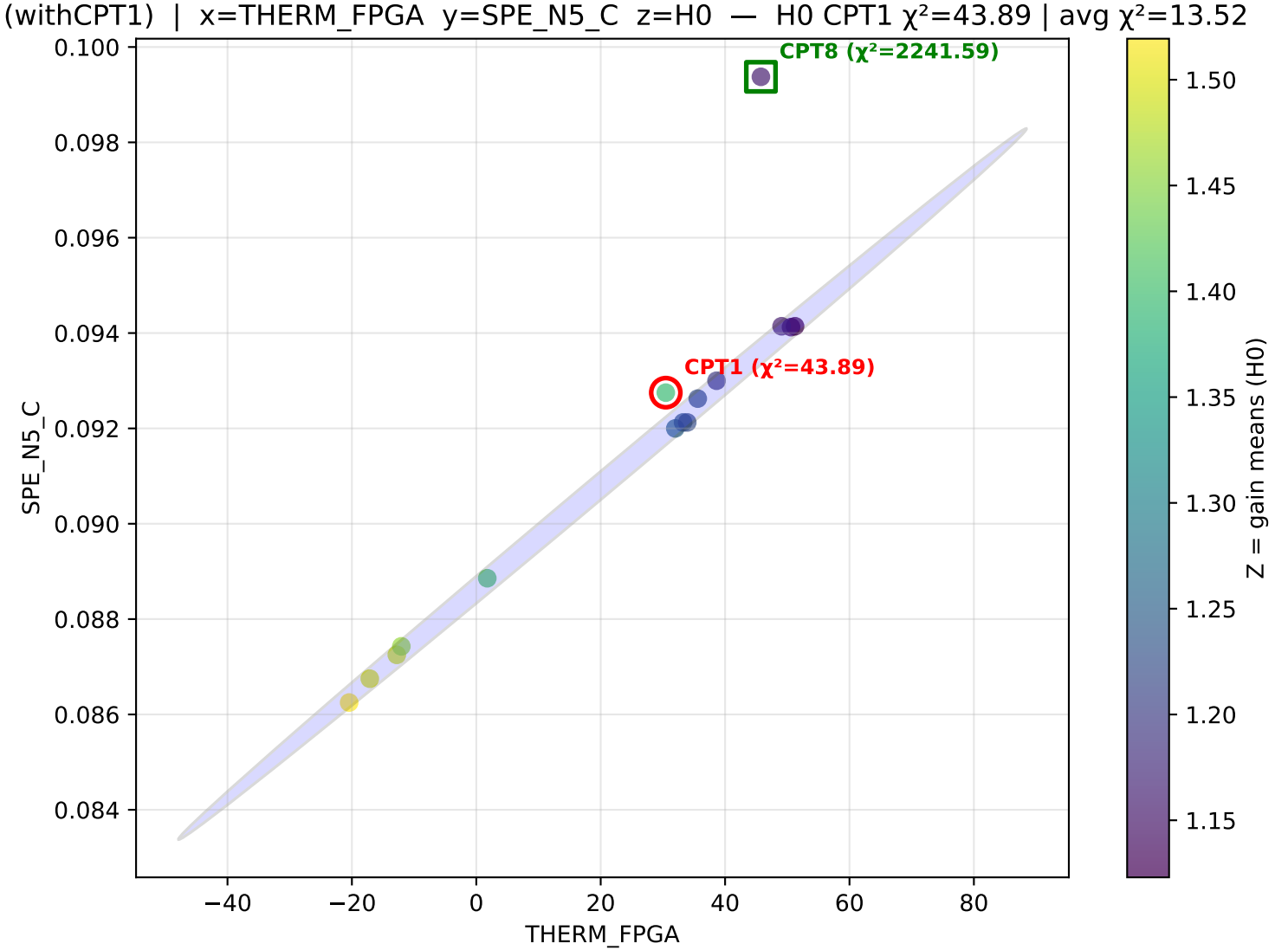

M1 (withCPT1) | x=THERM_DCB y=SPE_N5_C z=M1 — M1 CPT1 χ²=0.14 | avg χ²=13.72
CPT8 (χ²=5064.77)
CPT1 (χ²=0.14)
SPE_N5_C
THERM_DCB
Z = gain means (M1)
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
0.0850
0.0825
−40
−20
0
20
40
60
80
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

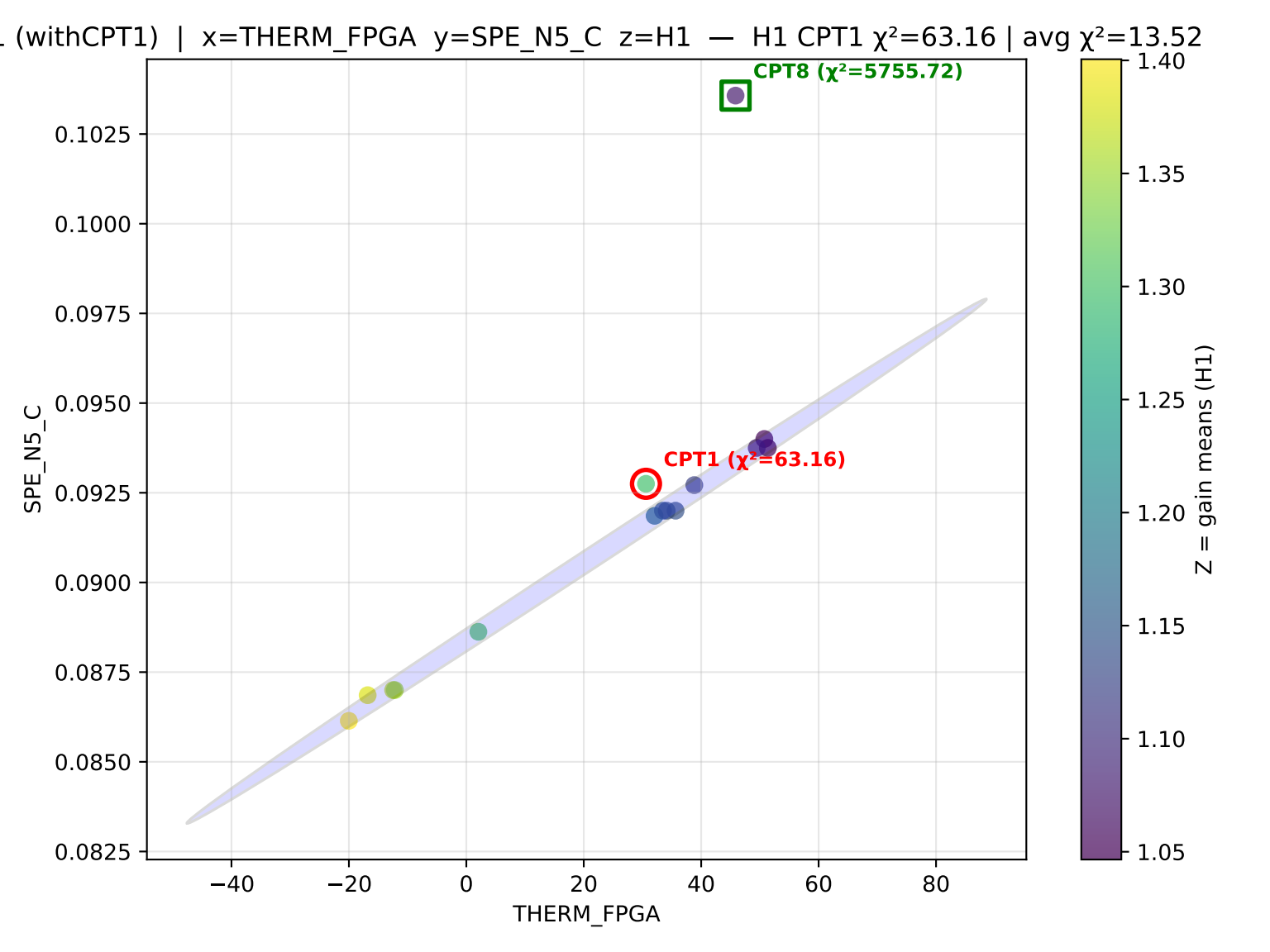

2 (withCPT1) | x=THERM_DCB y=SPE_N5_C z=M2 — M2 CPT1 χ²=2.83 | avg χ²=13.72
CPT8 (χ²=19.96)
CPT1 (χ²=2.83)
SPE_N5_C
THERM_DCB
Z = gain means (M2)
0.098
0.096
0.094
0.092
0.090
0.088
0.086
0.084
−40
−20
0
20
40
60
80
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

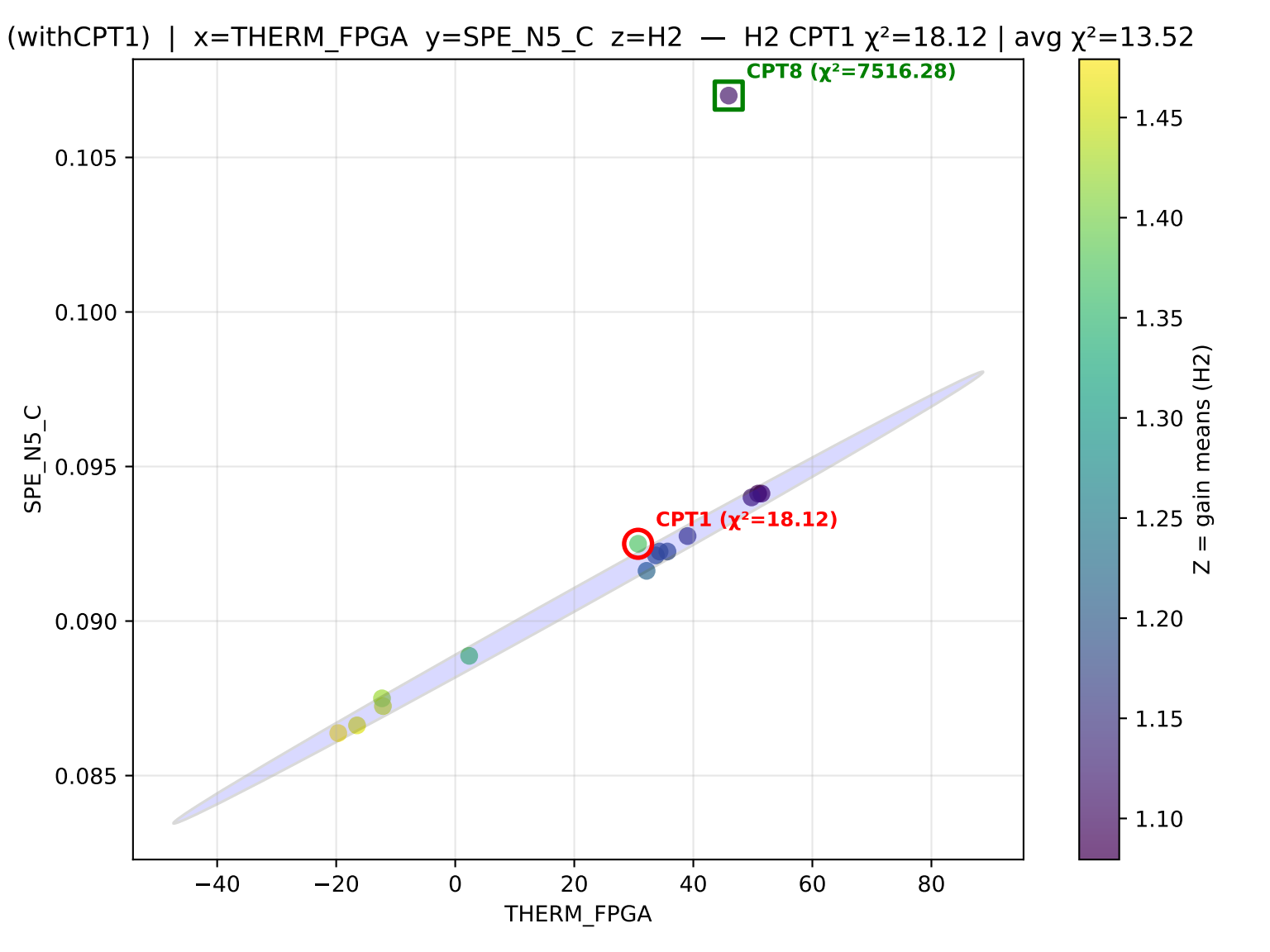

3 (withCPT1) | x=THERM_DCB y=SPE_N5_C z=M3 — M3 CPT1 χ²=1.57 | avg χ²=13.72
CPT8 (χ²=40.21)
CPT1 (χ²=1.57)
SPE_N5_C
THERM_DCB
Z = gain means (M3)
0.098
0.096
0.094
0.092
0.090
0.088
0.086
0.084
−40
−20
0
20
40
60
80
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

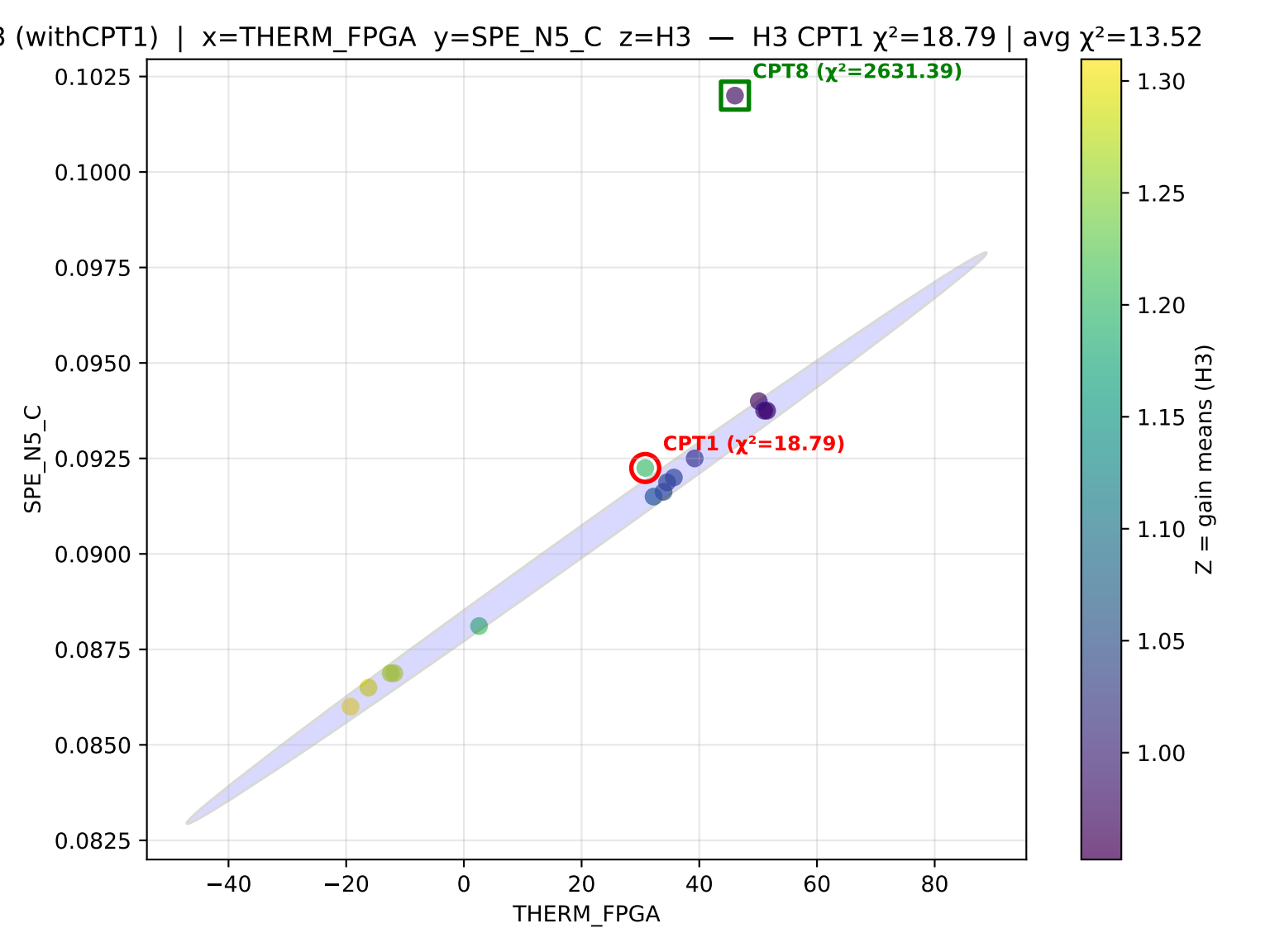
Pair: THERM_FPGA vs SPE_N5_C

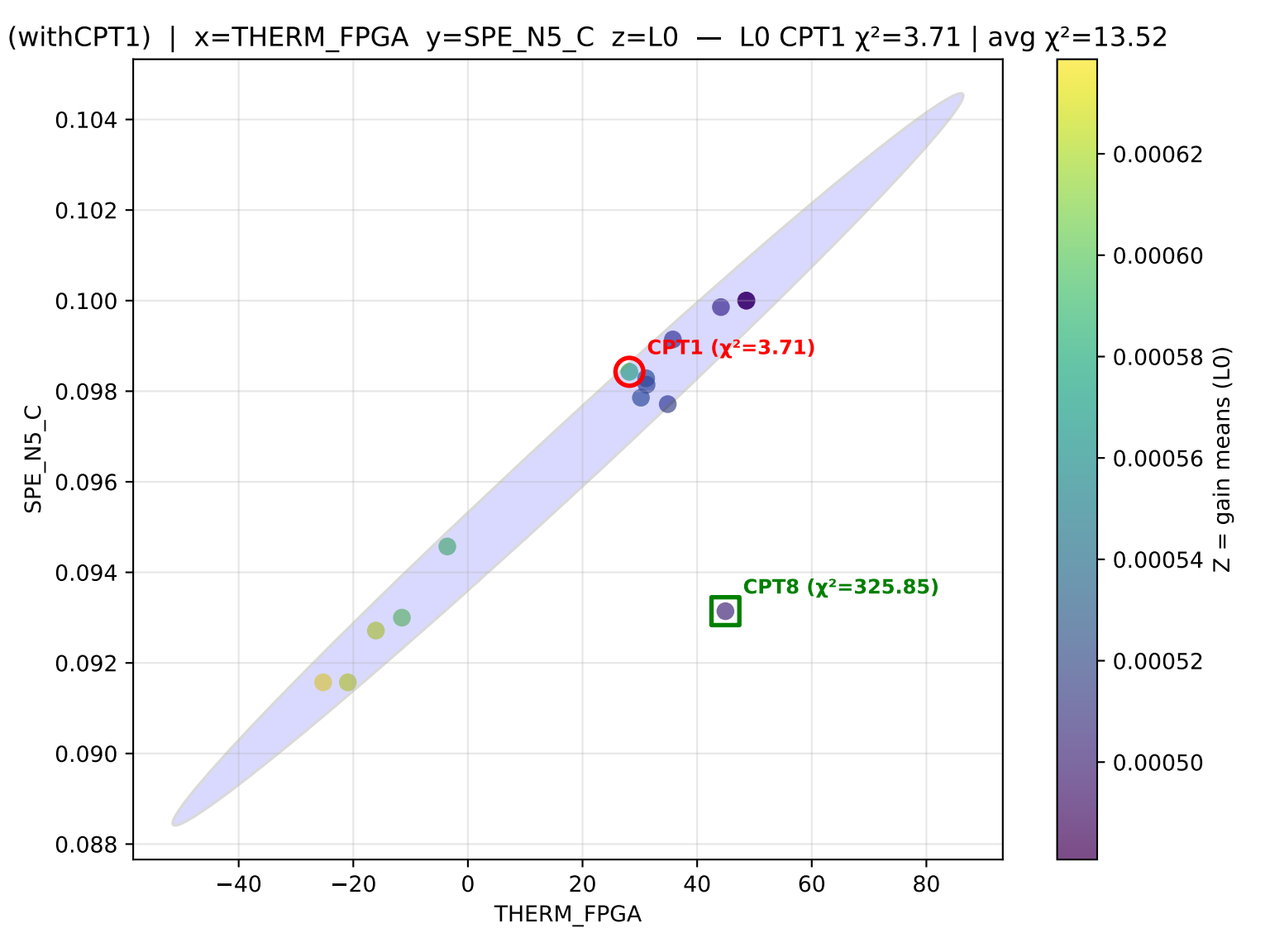
Average χ^2(CPT1) across settings: 13.52

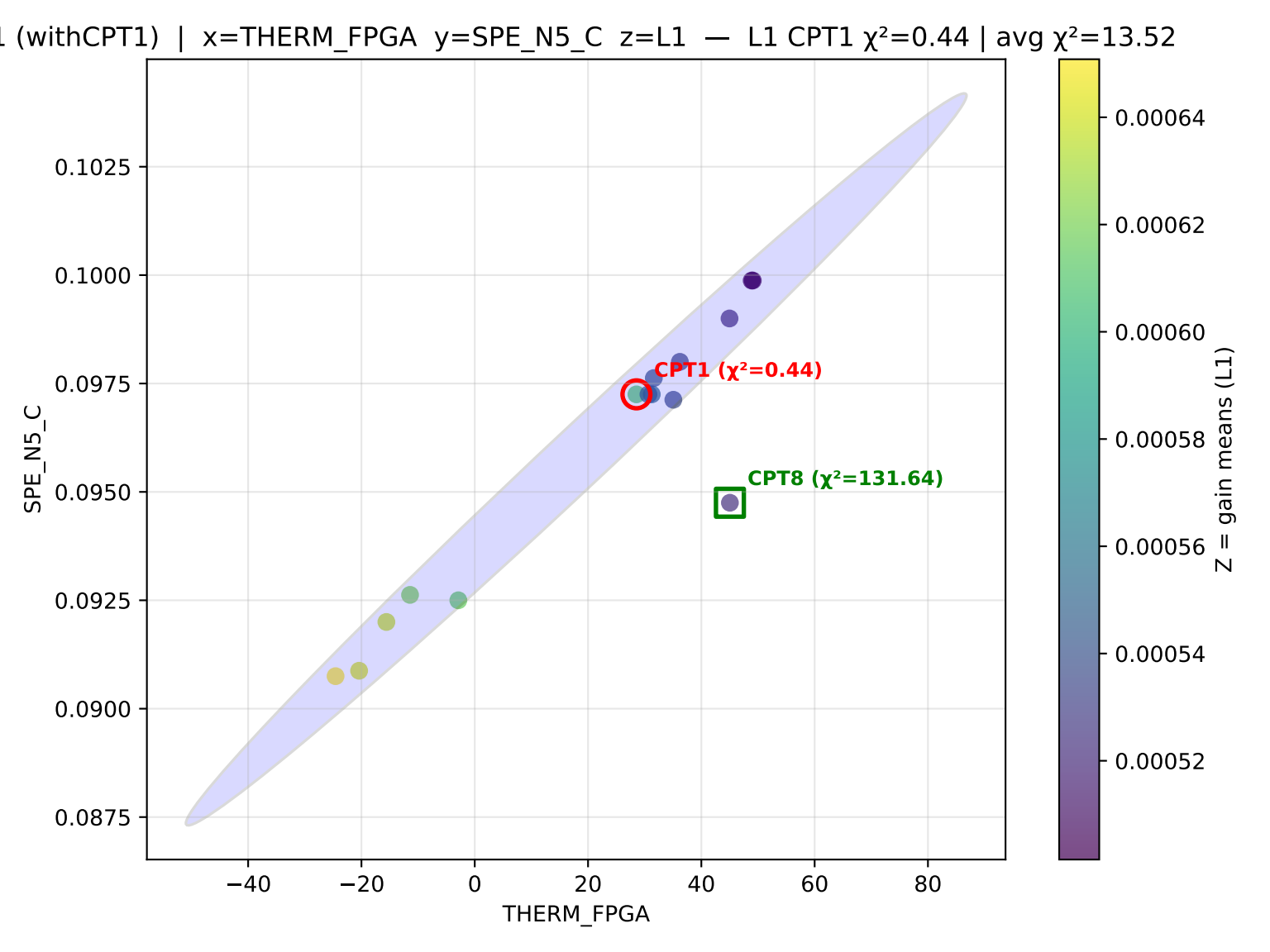

(withCPT1) | x=THERM_FPGA y=SPE_N5_C z=H0 — H0 CPT1 χ²=43.89 | avg χ²=13.52
CPT8 (χ²=2241.59)
CPT1 (χ²=43.89)
SPE_N5_C
THERM_FPGA
Z = gain means (H0)
0.100
0.098
0.096
0.094
0.092
0.090
0.088
0.086
0.084
−40
−20
0
20
40
60
80
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

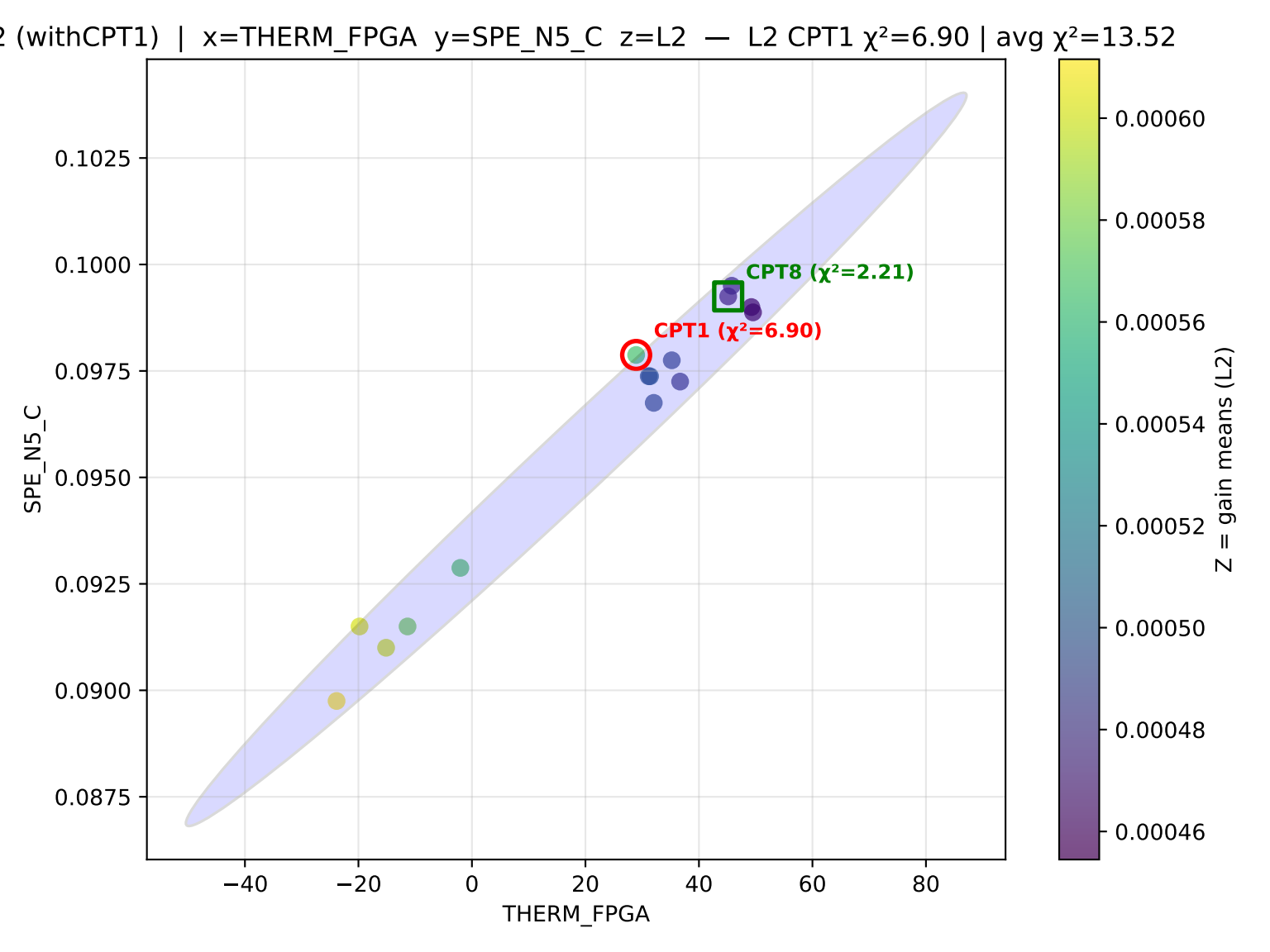

L (withCPT1) | x=THERM_FPGA y=SPE_N5_C z=H1 — H1 CPT1 χ²=63.16 | avg χ²=13.52
CPT8 (χ²=5755.72)
CPT1 (χ²=63.16)
SPE_N5_C
THERM_FPGA
Z = gain means (H1)
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
0.0850
0.0825
−40
−20
0
20
40
60
80
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

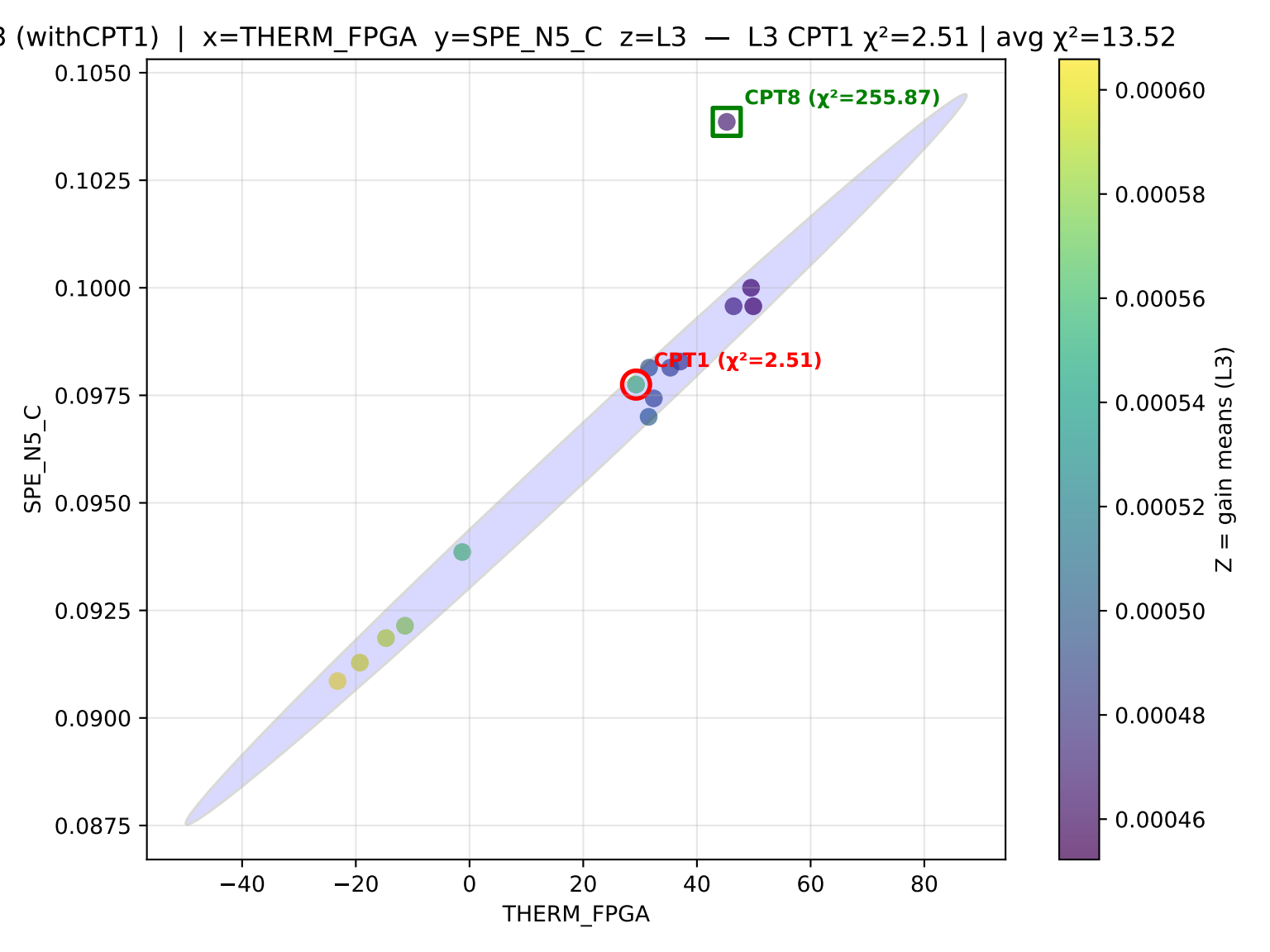

(withCPT1) | x=THERM_FPGA y=SPE_N5_C z=H2 — H2 CPT1 χ²=18.12 | avg χ²=13.52
CPT8 (χ²=7516.28)
CPT1 (χ²=18.12)
SPE_N5_C
THERM_FPGA
Z = gain means (H2)
0.105
0.100
0.095
0.090
0.085
−40
−20
0
20
40
60
80
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10

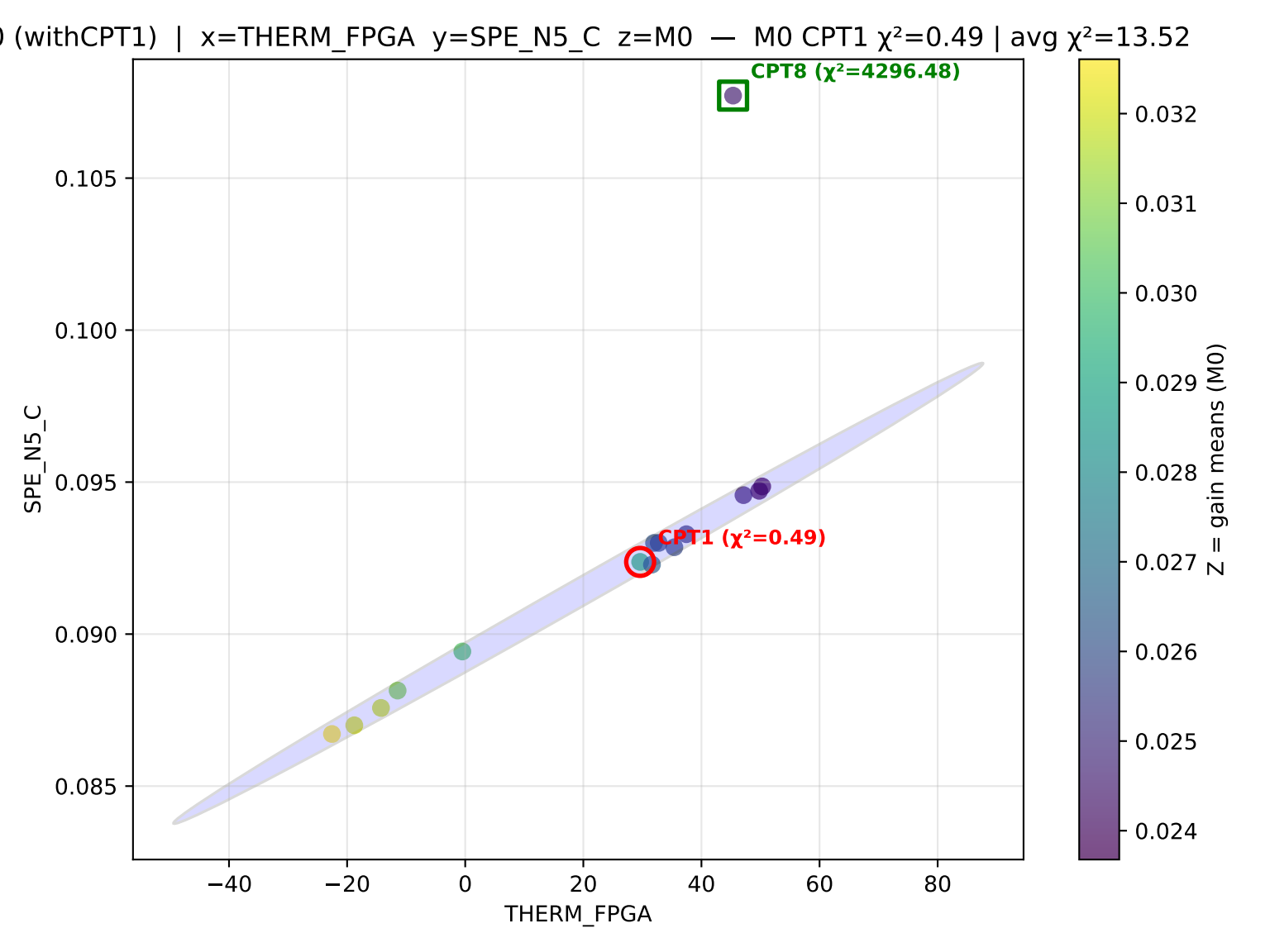

3 (withCPT1) | x=THERM_FPGA y=SPE_N5_C z=H3 — H3 CPT1 χ²=18.79 | avg χ²=13.52
CPT8 (χ²=2631.39)
CPT1 (χ²=18.79)
SPE_N5_C
THERM_FPGA
Z = gain means (H3)
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
0.0850
0.0825
−40
−20
0
20
40
60
80
1.30
1.25
1.20
1.15
1.10
1.05
1.00

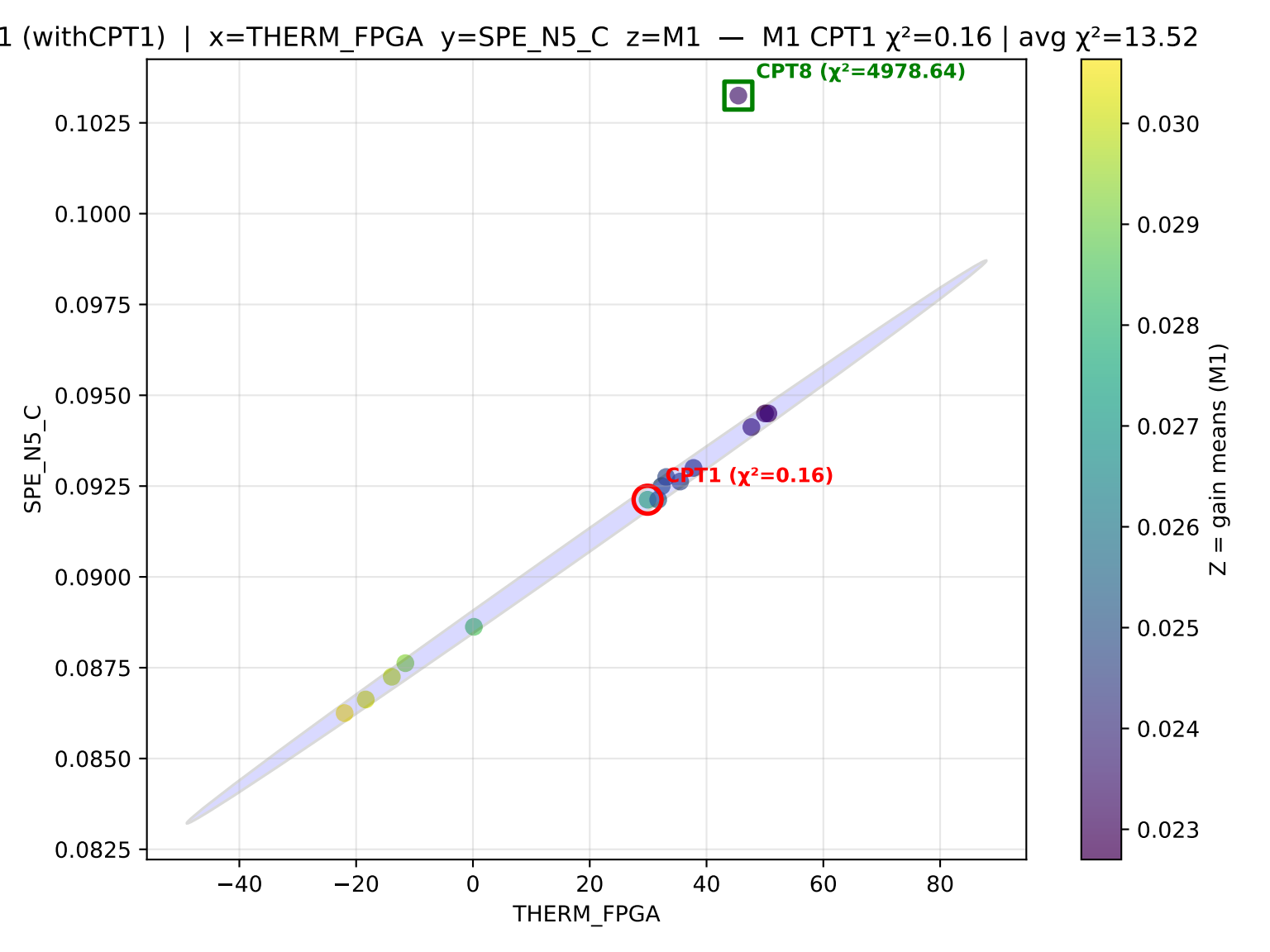

(withCPT1) | x=THERM_FPGA y=SPE_N5_C z=L0 — L0 CPT1 χ²=3.71 | avg χ²=13.52
CPT1 (χ²=3.71)
CPT8 (χ²=325.85)
SPE_N5_C
THERM_FPGA
Z = gain means (L0)
0.104
0.102
0.100
0.098
0.096
0.094
0.092
0.090
0.088
−40
−20
0
20
40
60
80
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

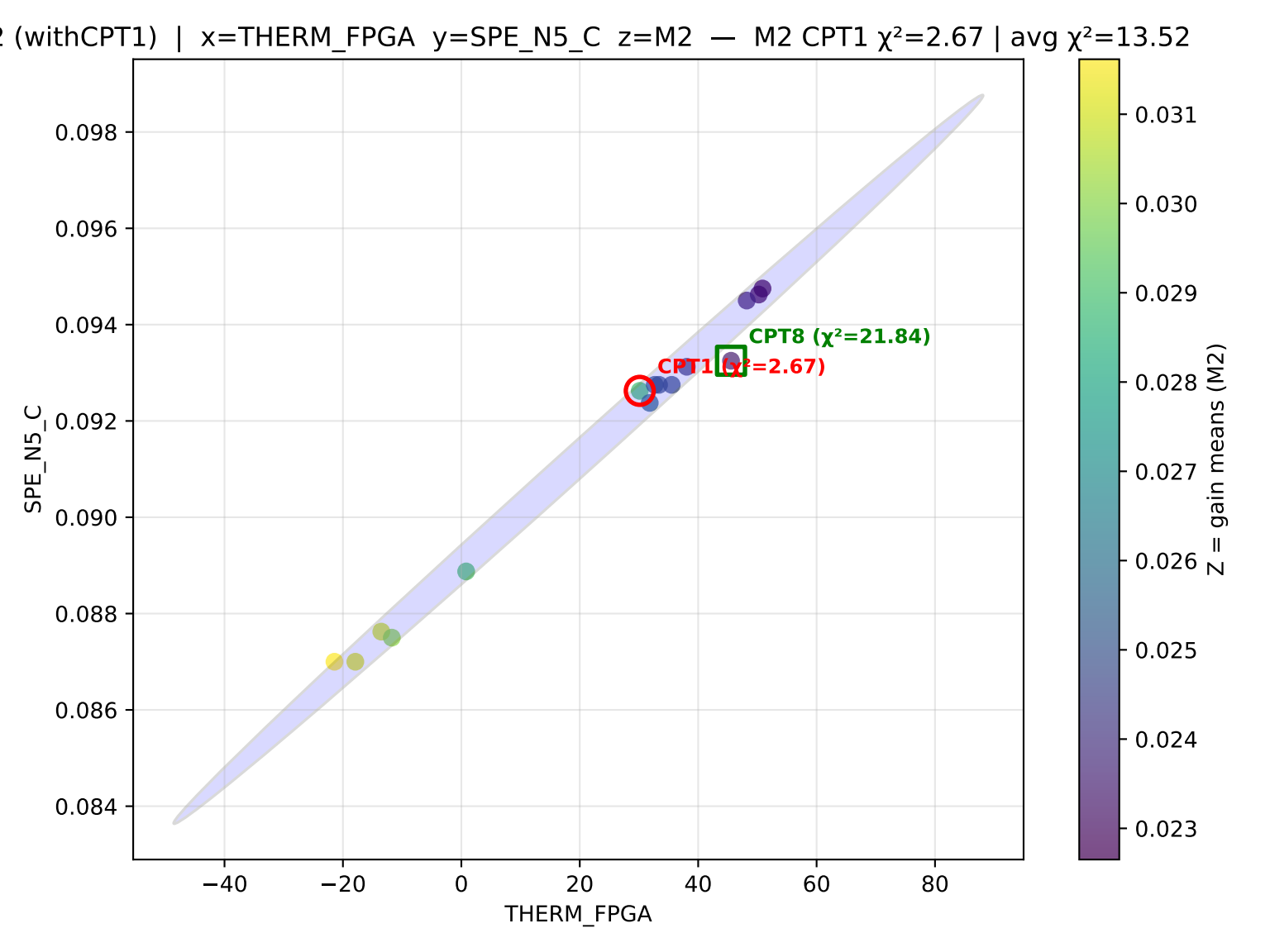

1 (withCPT1) | x=THERM_FPGA y=SPE_N5_C z=L1 — L1 CPT1 χ²=0.44 | avg χ²=13.52
CPT1 (χ²=0.44)
CPT8 (χ²=131.64)
SPE_N5_C
THERM_FPGA
Z = gain means (L1)
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
−40
−20
0
20
40
60
80
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052

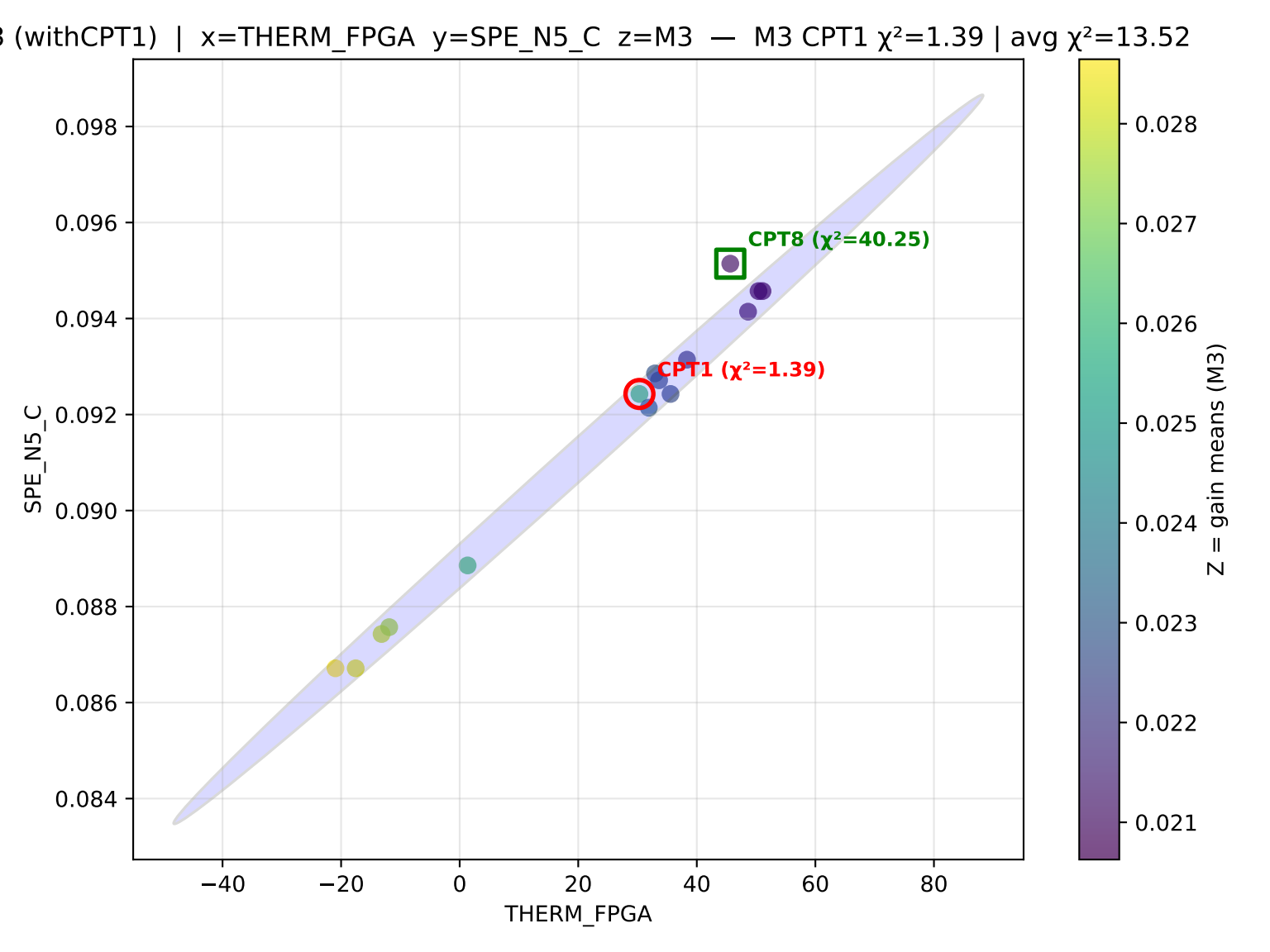

2 (withCPT1) | x=THERM_FPGA y=SPE_N5_C z=L2 — L2 CPT1 χ²=6.90 | avg χ²=13.52
CPT8 (χ²=2.21)
CPT1 (χ²=6.90)
SPE_N5_C
THERM_FPGA
Z = gain means (L2)
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
−40
−20
0
20
40
60
80
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


3 (withCPT1) | x=THERM_FPGA y=SPE_N5_C z=L3 — L3 CPT1 χ²=2.51 | avg χ²=13.52
CPT8 (χ²=255.87)
CPT1 (χ²=2.51)
SPE_N5_C
THERM_FPGA
Z = gain means (L3)
0.1050
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
−40
−20
0
20
40
60
80
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


0 (withCPT1) | x=THERM_FPGA y=SPE_N5_C z=M0 — M0 CPT1 χ²=0.49 | avg χ²=13.52
CPT8 (χ²=4296.48)
CPT1 (χ²=0.49)
SPE_N5_C
THERM_FPGA
Z = gain means (M0)
0.105
0.100
0.095
0.090
0.085
−40
−20
0
20
40
60
80
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

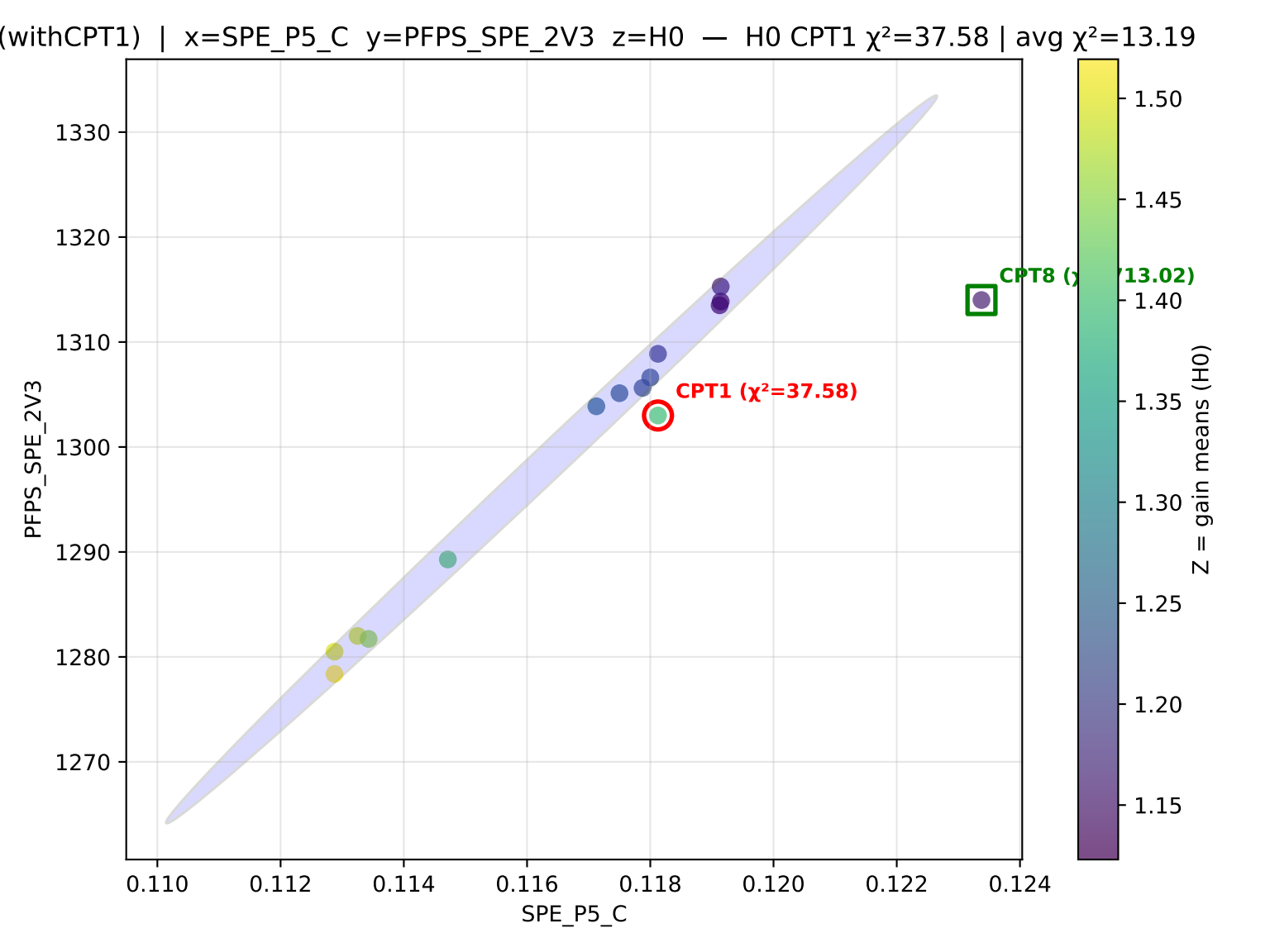

1 (withCPT1) | x=THERM_FPGA y=SPE_N5_C z=M1 — M1 CPT1 χ²=0.16 | avg χ²=13.52
CPT8 (χ²=4978.64)
CPT1 (χ²=0.16)
SPE_N5_C
THERM_FPGA
Z = gain means (M1)
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
0.0850
0.0825
−40
−20
0
20
40
60
80
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

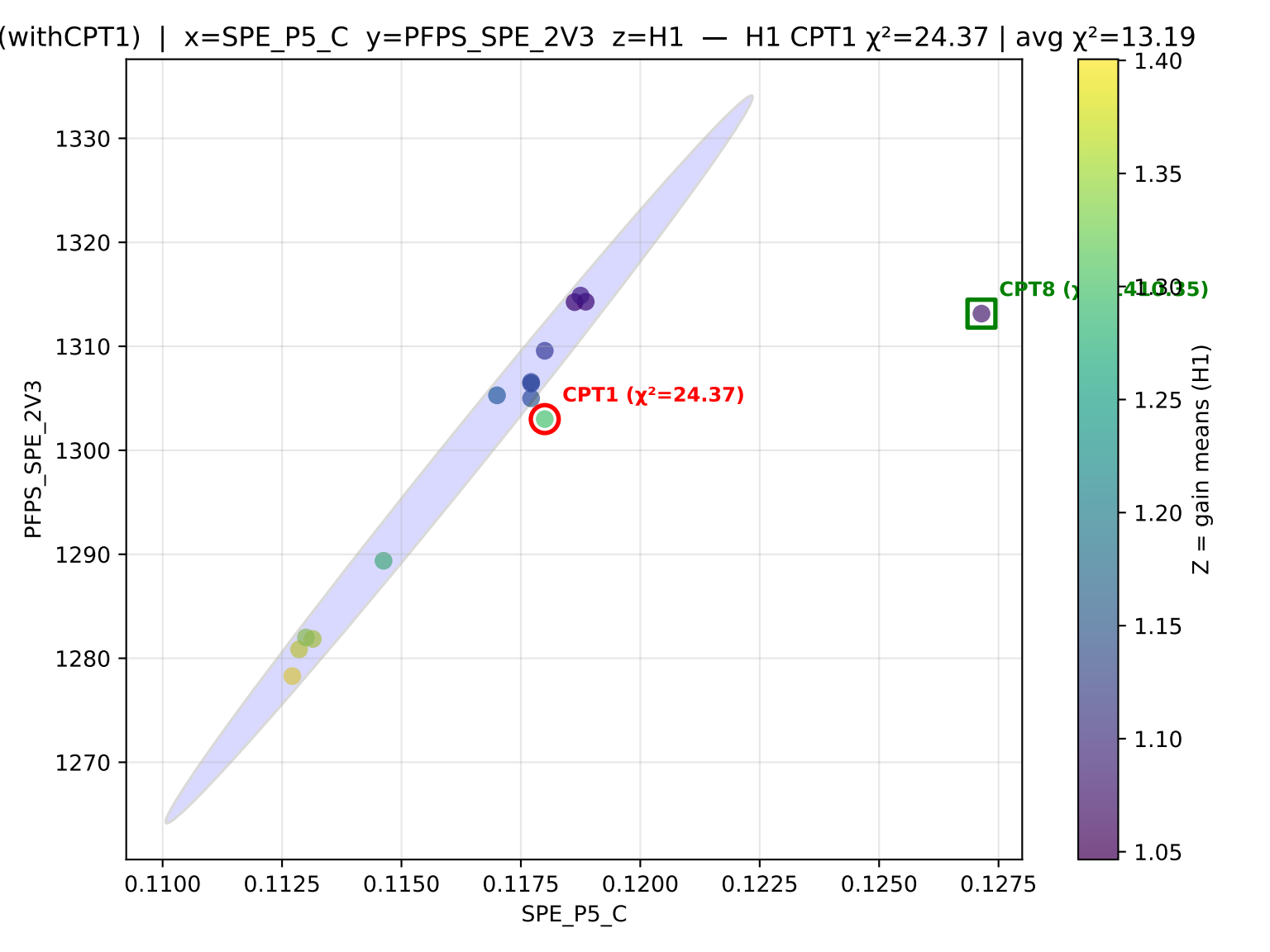

2 (withCPT1) | x=THERM_FPGA y=SPE_N5_C z=M2 — M2 CPT1 χ²=2.67 | avg χ²=13.52
CPT8 (χ²=21.84)
CPT1 (χ²=2.67)
SPE_N5_C
THERM_FPGA
Z = gain means (M2)
0.098
0.096
0.094
0.092
0.090
0.088
0.086
0.084
−40
−20
0
20
40
60
80
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

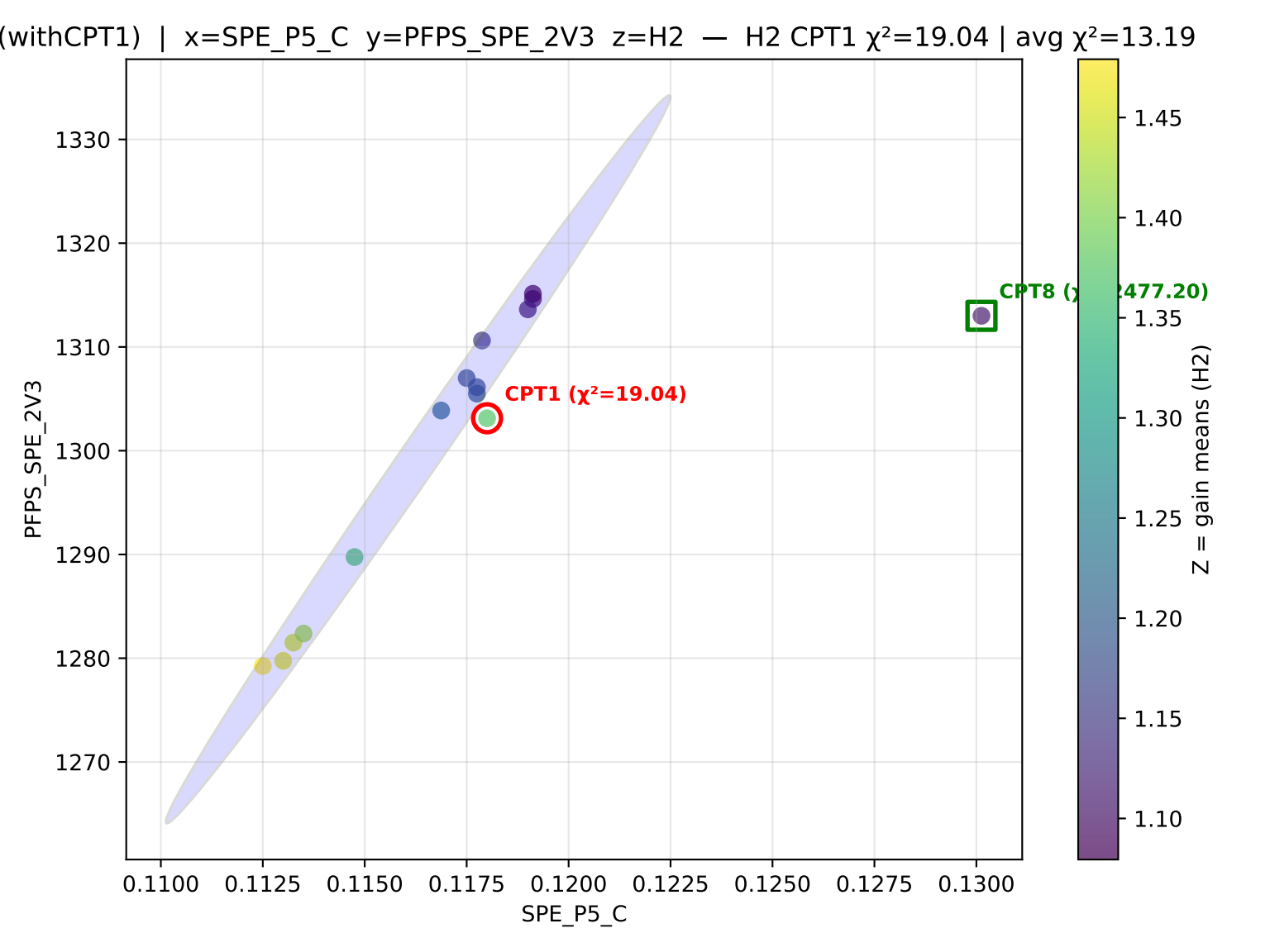

3 (withCPT1) | x=THERM_FPGA y=SPE_N5_C z=M3 — M3 CPT1 χ²=1.39 | avg χ²=13.52
CPT8 (χ²=40.25)
CPT1 (χ²=1.39)
SPE_N5_C
THERM_FPGA
Z = gain means (M3)
0.098
0.096
0.094
0.092
0.090
0.088
0.086
0.084
−40
−20
0
20
40
60
80
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

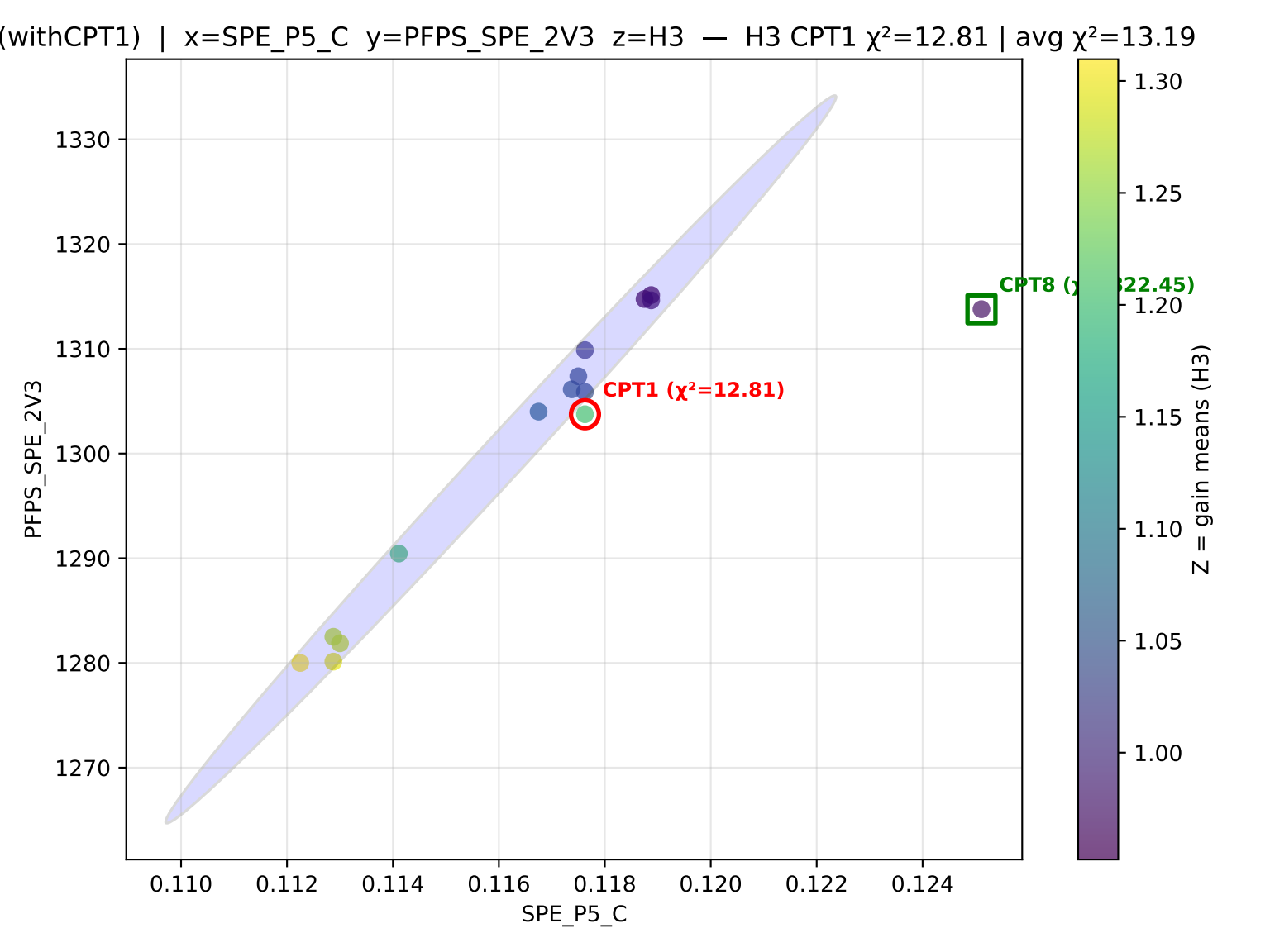
Pair: SPE_P5_C vs PFPS_SPE_2V3

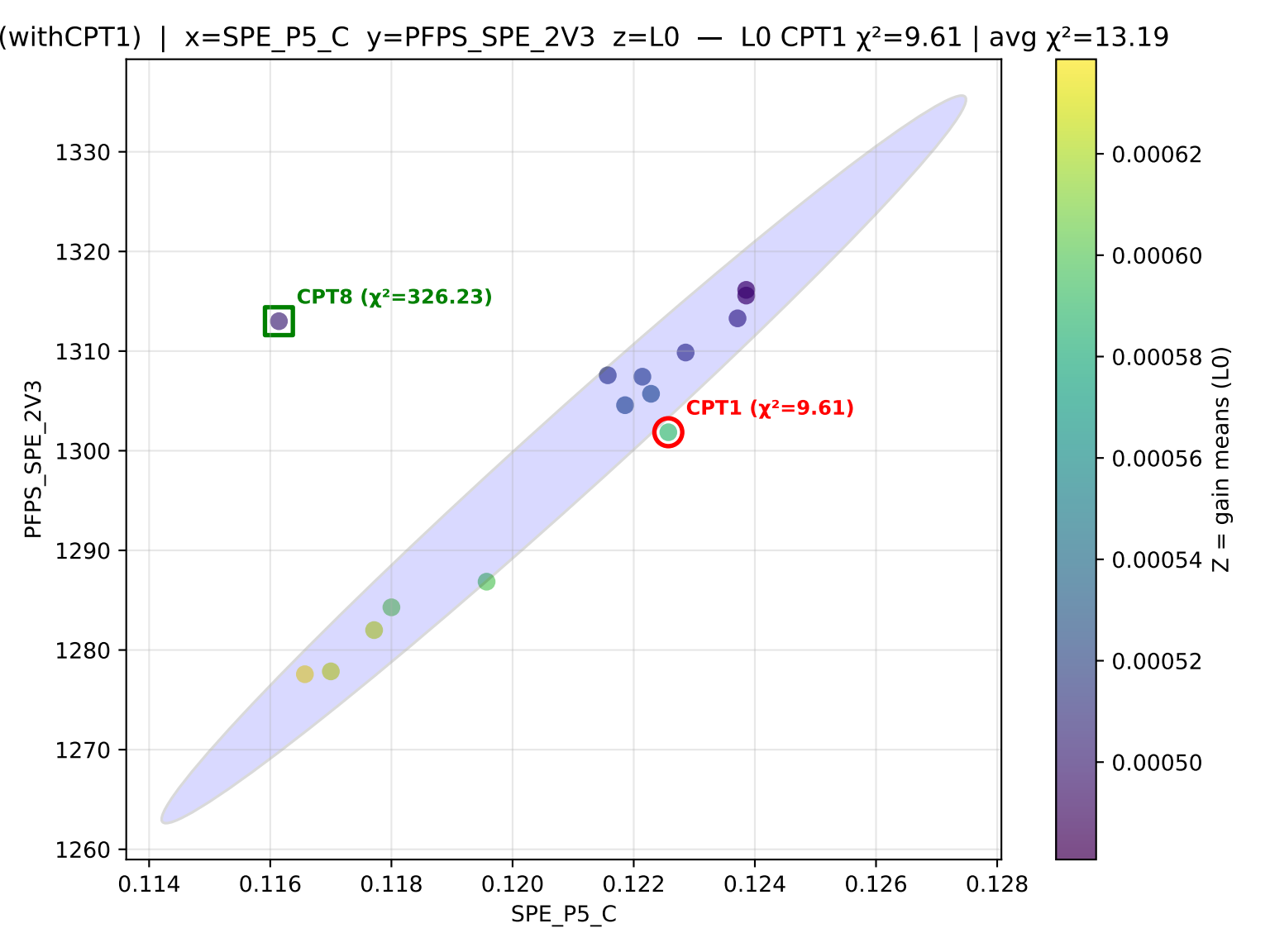
Average χ^2(CPT1) across settings: 13.19

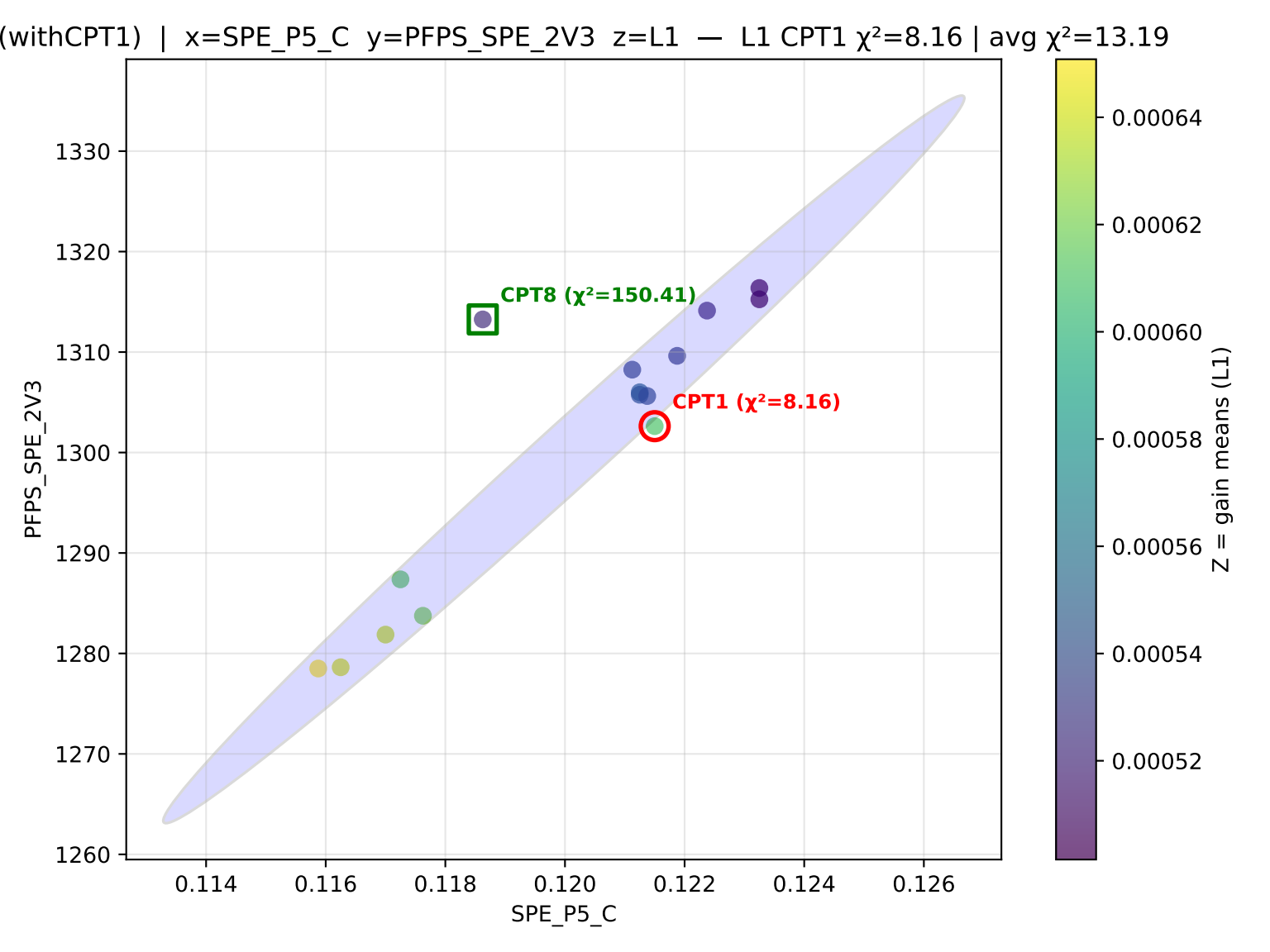

(withCPT1) | x=SPE_P5_C y=PFPS_SPE_2V3 z=H0 — H0 CPT1 χ²=37.58 | avg χ²=13.19
CPT1 (χ²=37.58)
CPT8 (χ
713.02)
PFPS_SPE_2V3
SPE_P5_C
Z = gain means (H0)
1330
1320
1310
1300
1290
1280
1270
0.110
0.112
0.114
0.116
0.118
0.120
0.122
0.124
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

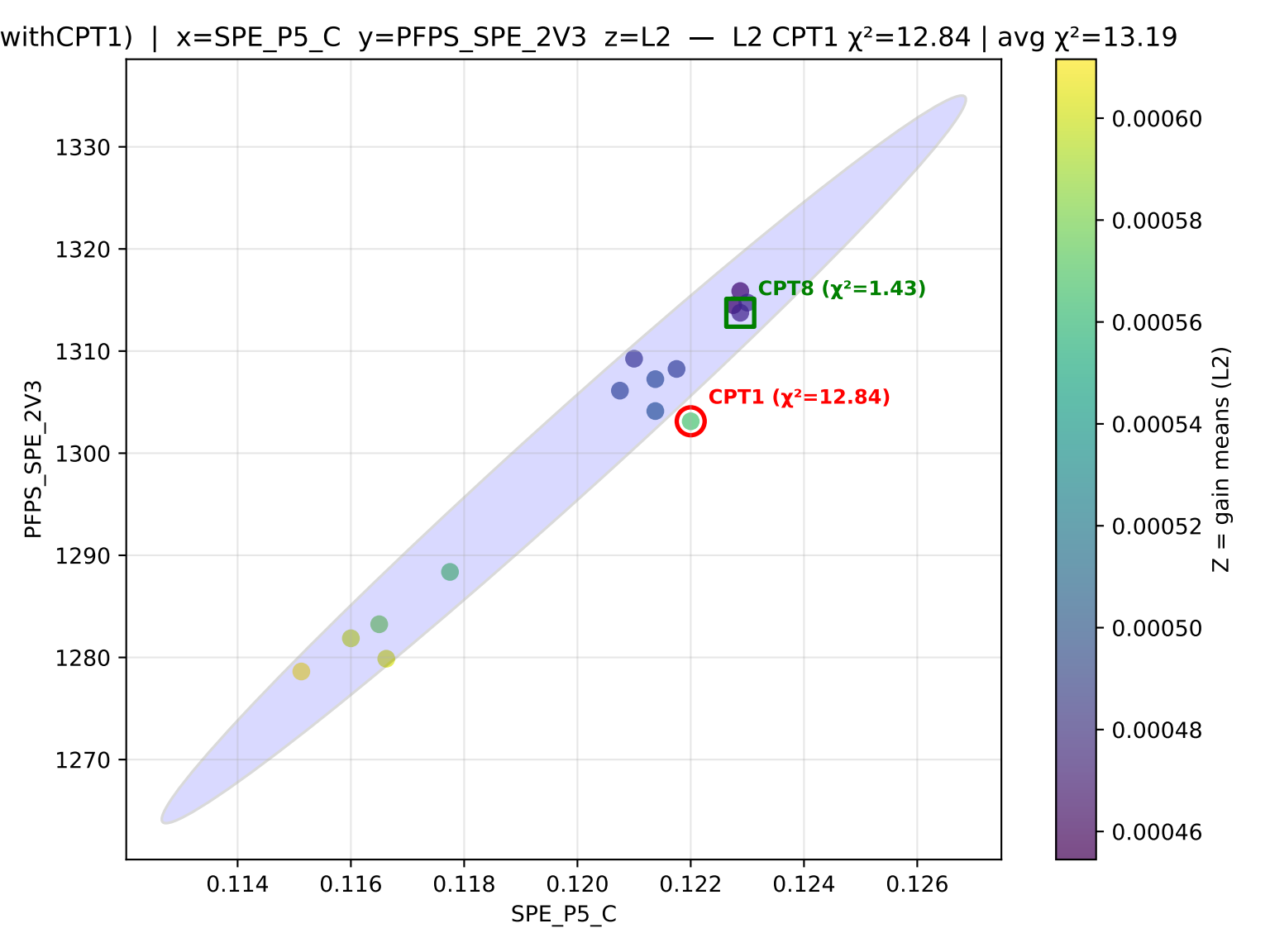

(withCPT1) | x=SPE_P5_C y=PFPS_SPE_2V3 z=H1 — H1 CPT1 χ²=24.37 | avg χ²=13.19
CPT1 (χ²=24.37)
CPT8 (χ²=40.35)
PFPS_SPE_2V3
SPE_P5_C
Z = gain means (H1)
1330
1320
1310
1300
1290
1280
1270
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

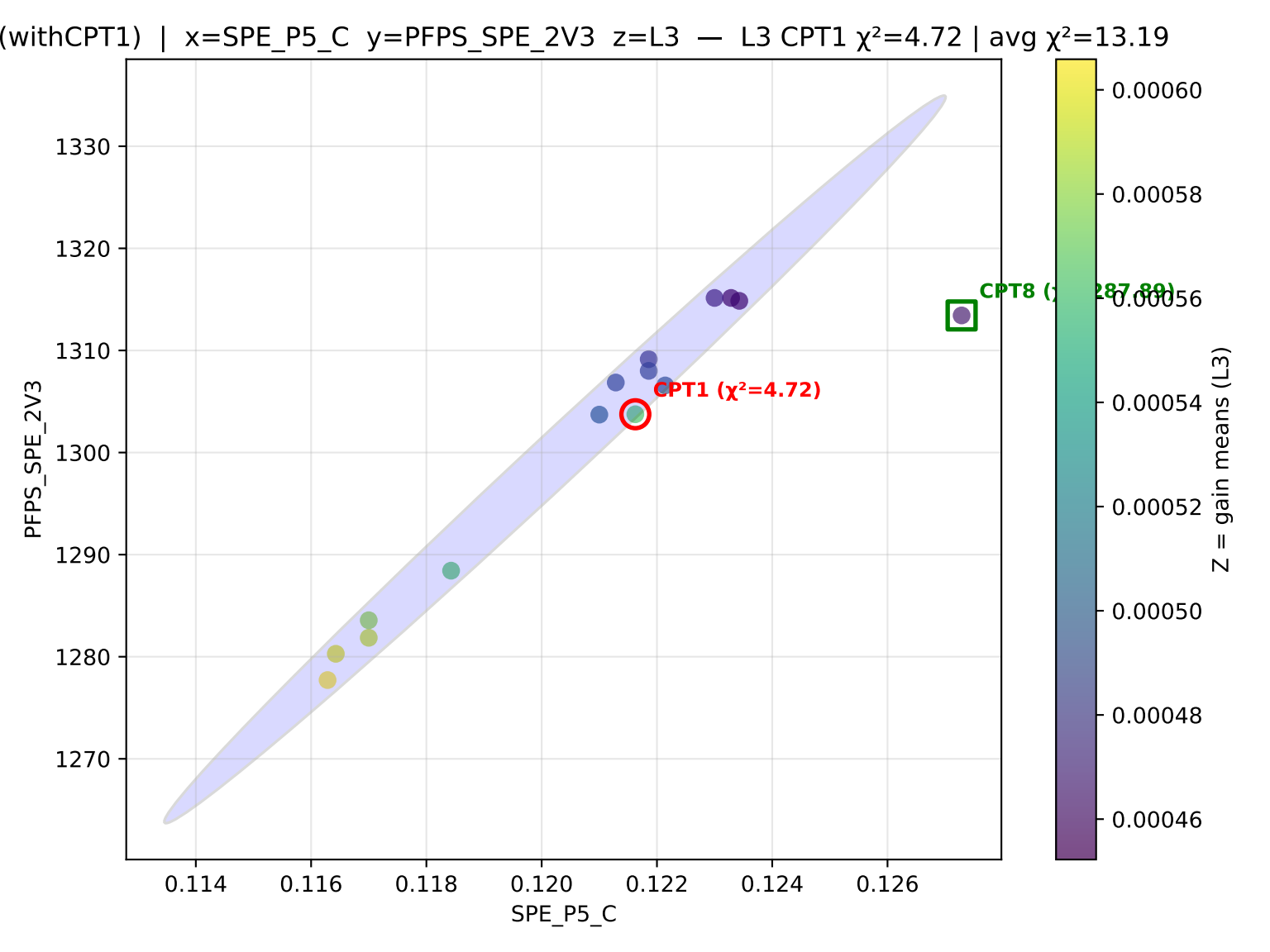

(withCPT1) | x=SPE_P5_C y=PFPS_SPE_2V3 z=H2 — H2 CPT1 χ²=19.04 | avg χ²=13.19
CPT1 (χ²=19.04)
CPT8 (χ
2477.20)
PFPS_SPE_2V3
SPE_P5_C
Z = gain means (H2)
1330
1320
1310
1300
1290
1280
1270
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
0.1300
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10

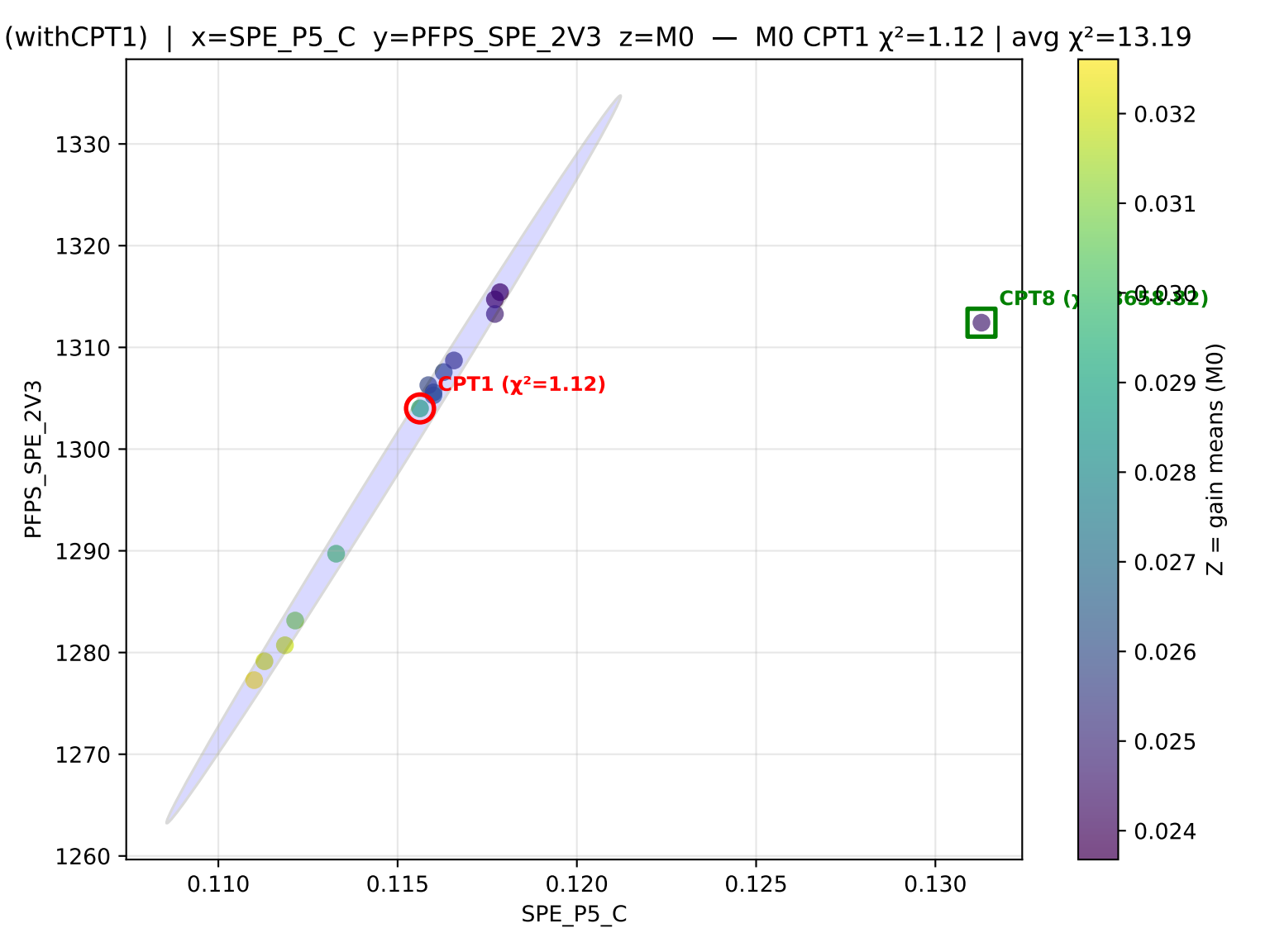

(withCPT1) | x=SPE_P5_C y=PFPS_SPE_2V3 z=H3 — H3 CPT1 χ²=12.81 | avg χ²=13.19
CPT1 (χ²=12.81)
CPT8 (χ
22.45)
PFPS_SPE_2V3
SPE_P5_C
Z = gain means (H3)
1330
1320
1310
1300
1290
1280
1270
0.110
0.112
0.114
0.116
0.118
0.120
0.122
0.124
1.30
1.25
1.20
1.15
1.10
1.05
1.00

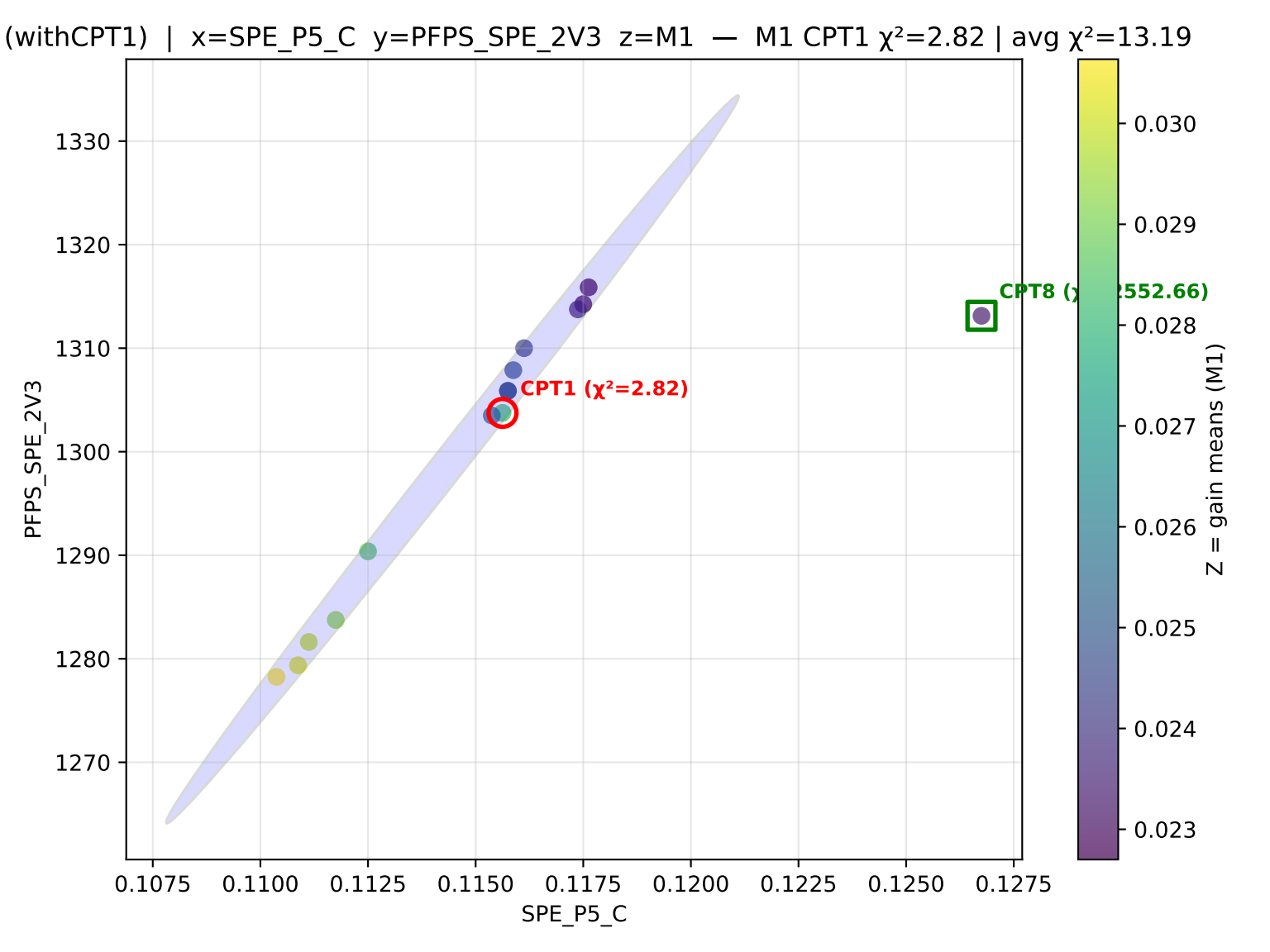

(withCPT1) | x=SPE_P5_C y=PFPS_SPE_2V3 z=L0 — L0 CPT1 χ²=9.61 | avg χ²=13.19
CPT8 (χ²=326.23)
CPT1 (χ²=9.61)
PFPS_SPE_2V3
SPE_P5_C
Z = gain means (L0)
1330
1320
1310
1300
1290
1280
1270
1260
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.128
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

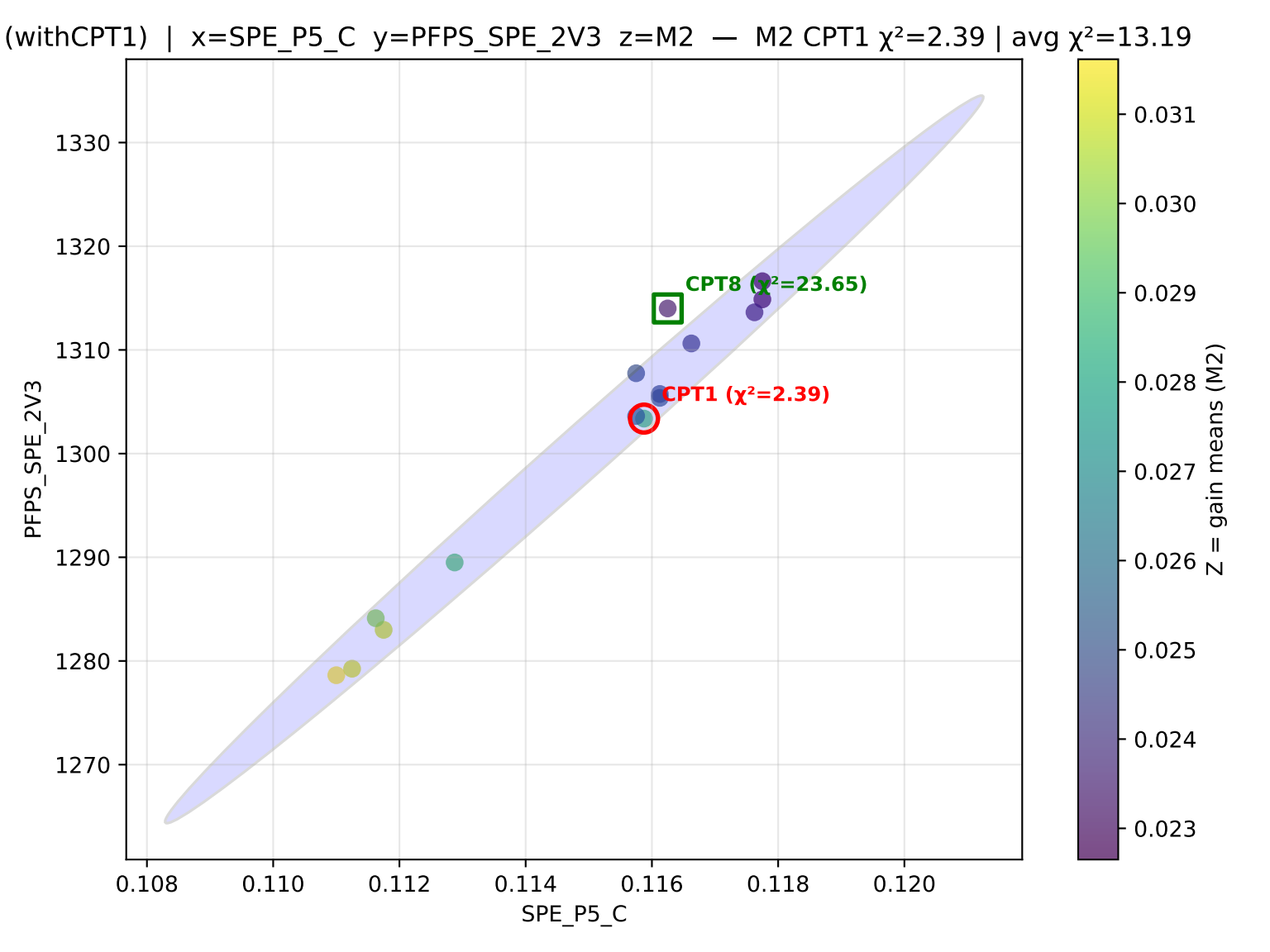

(withCPT1) | x=SPE_P5_C y=PFPS_SPE_2V3 z=L1 — L1 CPT1 χ²=8.16 | avg χ²=13.19
CPT8 (χ²=150.41)
CPT1 (χ²=8.16)
PFPS_SPE_2V3
SPE_P5_C
Z = gain means (L1)
1330
1320
1310
1300
1290
1280
1270
1260
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052

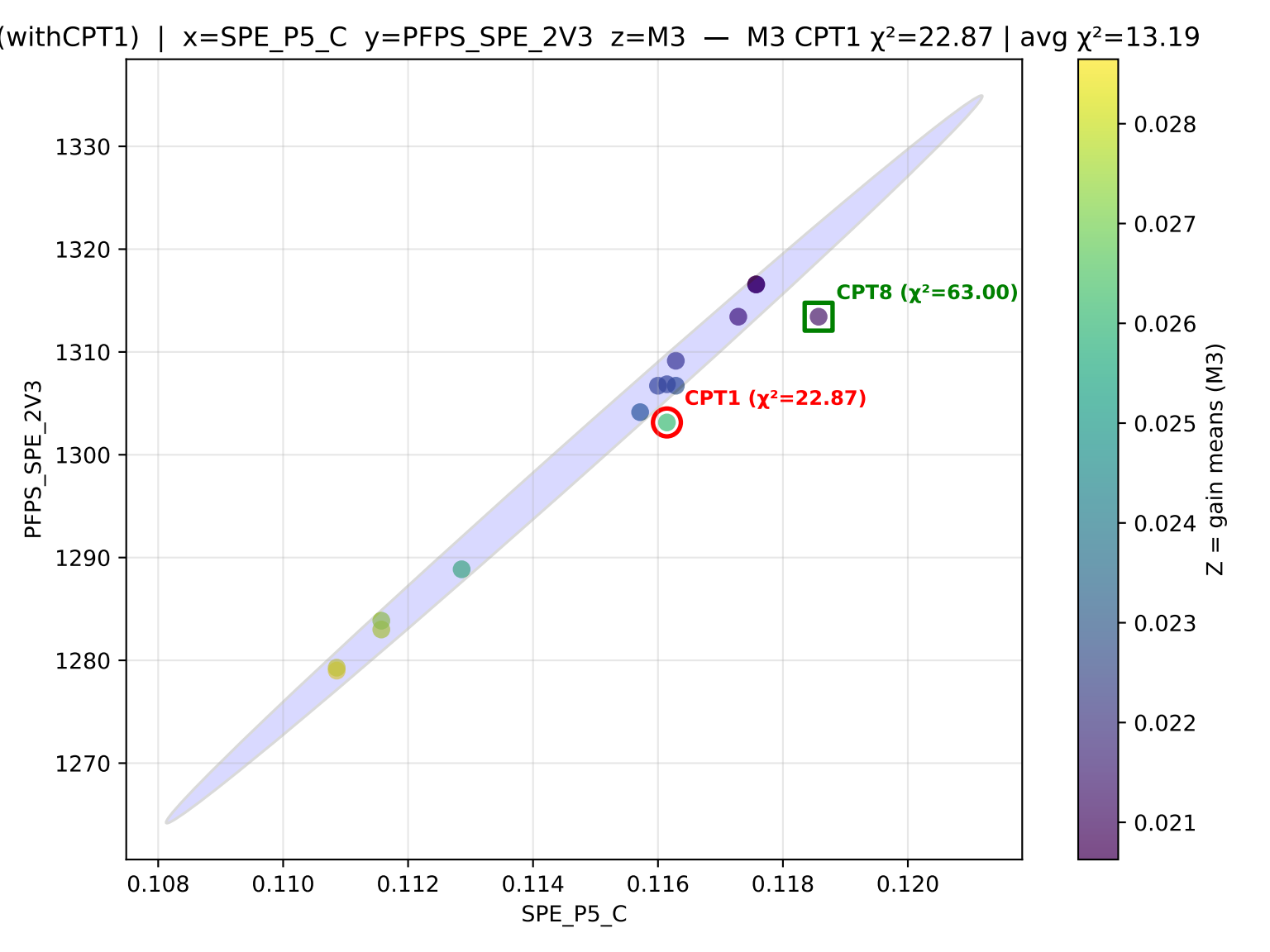

withCPT1) | x=SPE_P5_C y=PFPS_SPE_2V3 z=L2 — L2 CPT1 χ²=12.84 | avg χ²=13.19
CPT8 (χ²=1.43)
CPT1 (χ²=12.84)
PFPS_SPE_2V3
SPE_P5_C
Z = gain means (L2)
1330
1320
1310
1300
1290
1280
1270
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


(withCPT1) | x=SPE_P5_C y=PFPS_SPE_2V3 z=L3 — L3 CPT1 χ²=4.72 | avg χ²=13.19
CPT1 (χ²=4.72)
CPT8 (
287.80)
PFPS_SPE_2V3
SPE_P5_C
Z = gain means (L3)
1330
1320
1310
1300
1290
1280
1270
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


(withCPT1) | x=SPE_P5_C y=PFPS_SPE_2V3 z=M0 — M0 CPT1 χ²=1.12 | avg χ²=13.19
CPT1 (χ²=1.12)
CPT8 (χ
3658.82)
PFPS_SPE_2V3
SPE_P5_C
Z = gain means (M0)
1330
1320
1310
1300
1290
1280
1270
1260
0.110
0.115
0.120
0.125
0.130
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

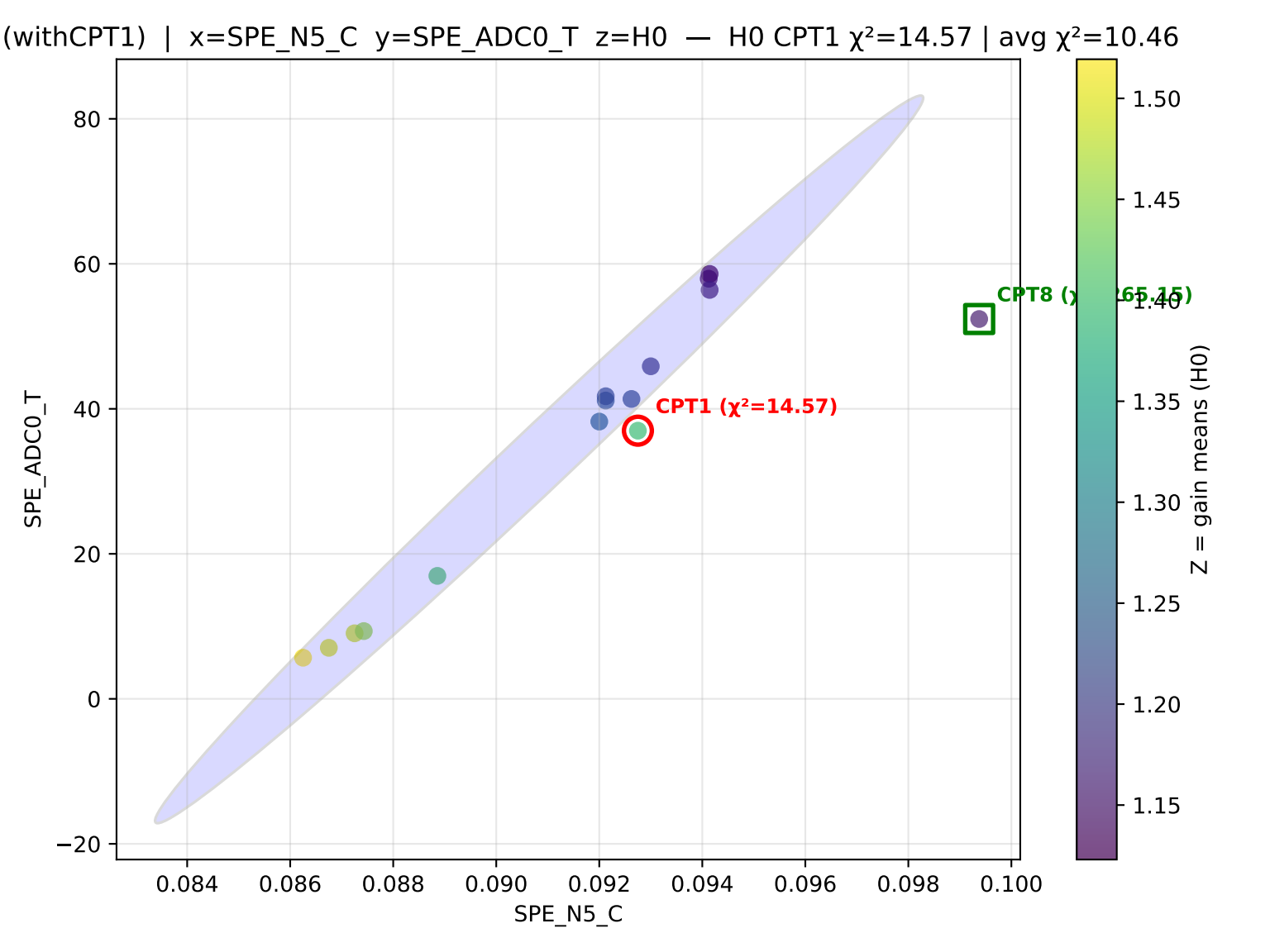

(withCPT1) | x=SPE_P5_C y=PFPS_SPE_2V3 z=M1 — M1 CPT1 χ²=2.82 | avg χ²=13.19
CPT1 (χ²=2.82)
CPT8 (χ
552.66)
PFPS_SPE_2V3
SPE_P5_C
Z = gain means (M1)
1330
1320
1310
1300
1290
1280
1270
0.1075
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

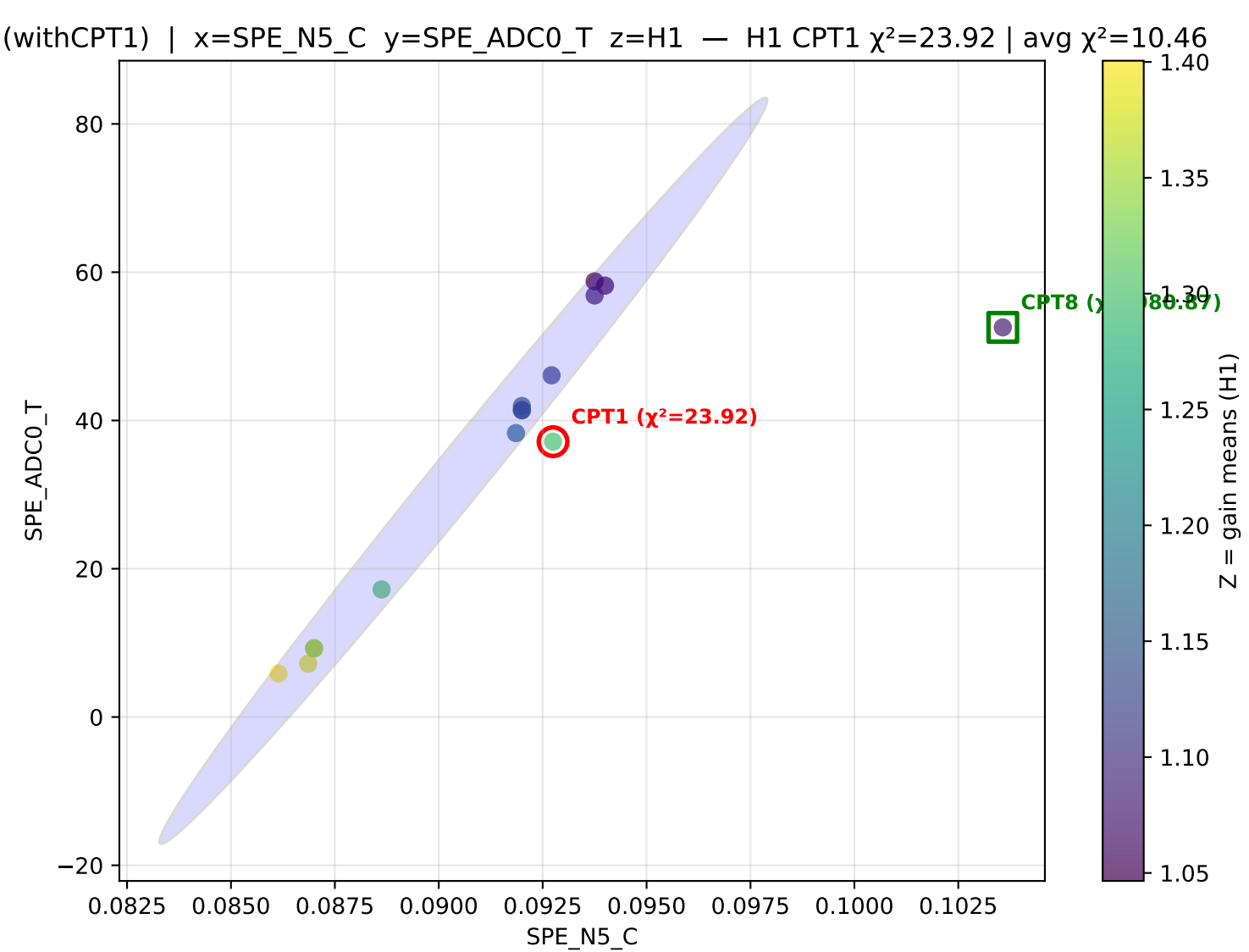

(withCPT1) | x=SPE_P5_C y=PFPS_SPE_2V3 z=M2 — M2 CPT1 χ²=2.39 | avg χ²=13.19
CPT8 (χ²=23.65)
CPT1 (χ²=2.39)
PFPS_SPE_2V3
SPE_P5_C
Z = gain means (M2)
1330
1320
1310
1300
1290
1280
1270
0.108
0.110
0.112
0.114
0.116
0.118
0.120
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

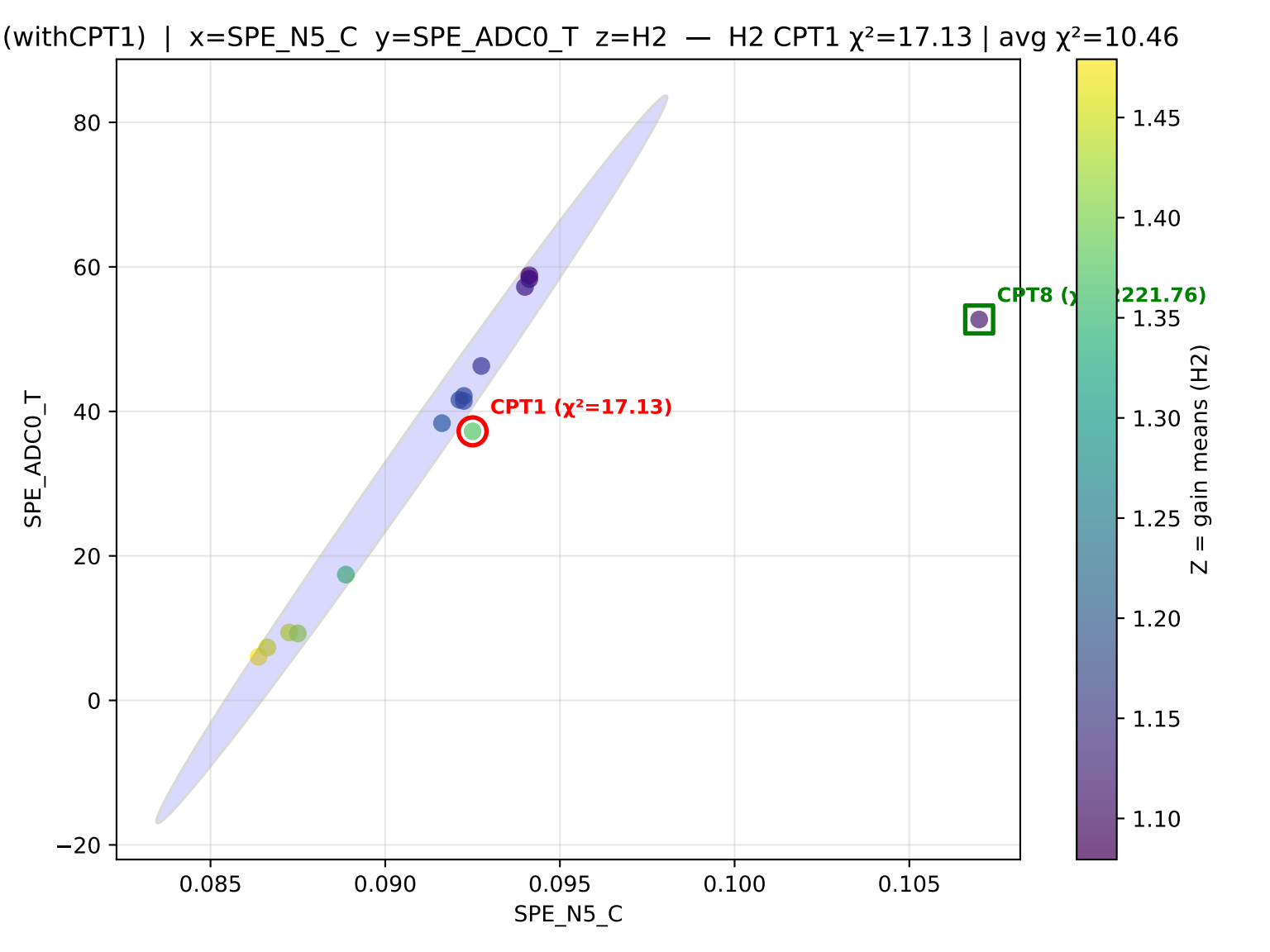

(withCPT1) | x=SPE_P5_C y=PFPS_SPE_2V3 z=M3 — M3 CPT1 χ²=22.87 | avg χ²=13.19
CPT8 (χ²=63.00)
CPT1 (χ²=22.87)
PFPS_SPE_2V3
SPE_P5_C
Z = gain means (M3)
1330
1320
1310
1300
1290
1280
1270
0.108
0.110
0.112
0.114
0.116
0.118
0.120
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

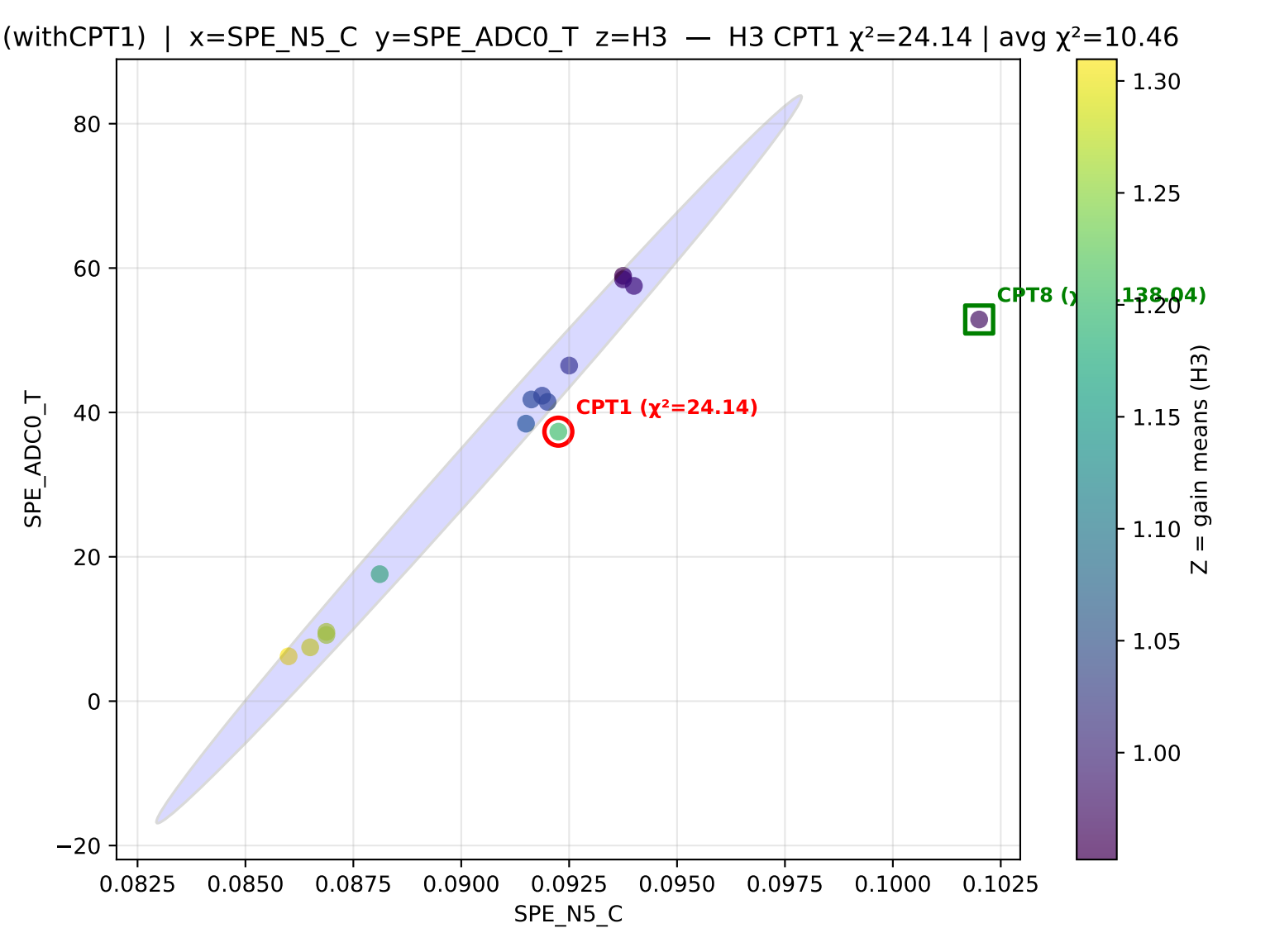
Pair: SPE_N5_C vs SPE_ADC0_T

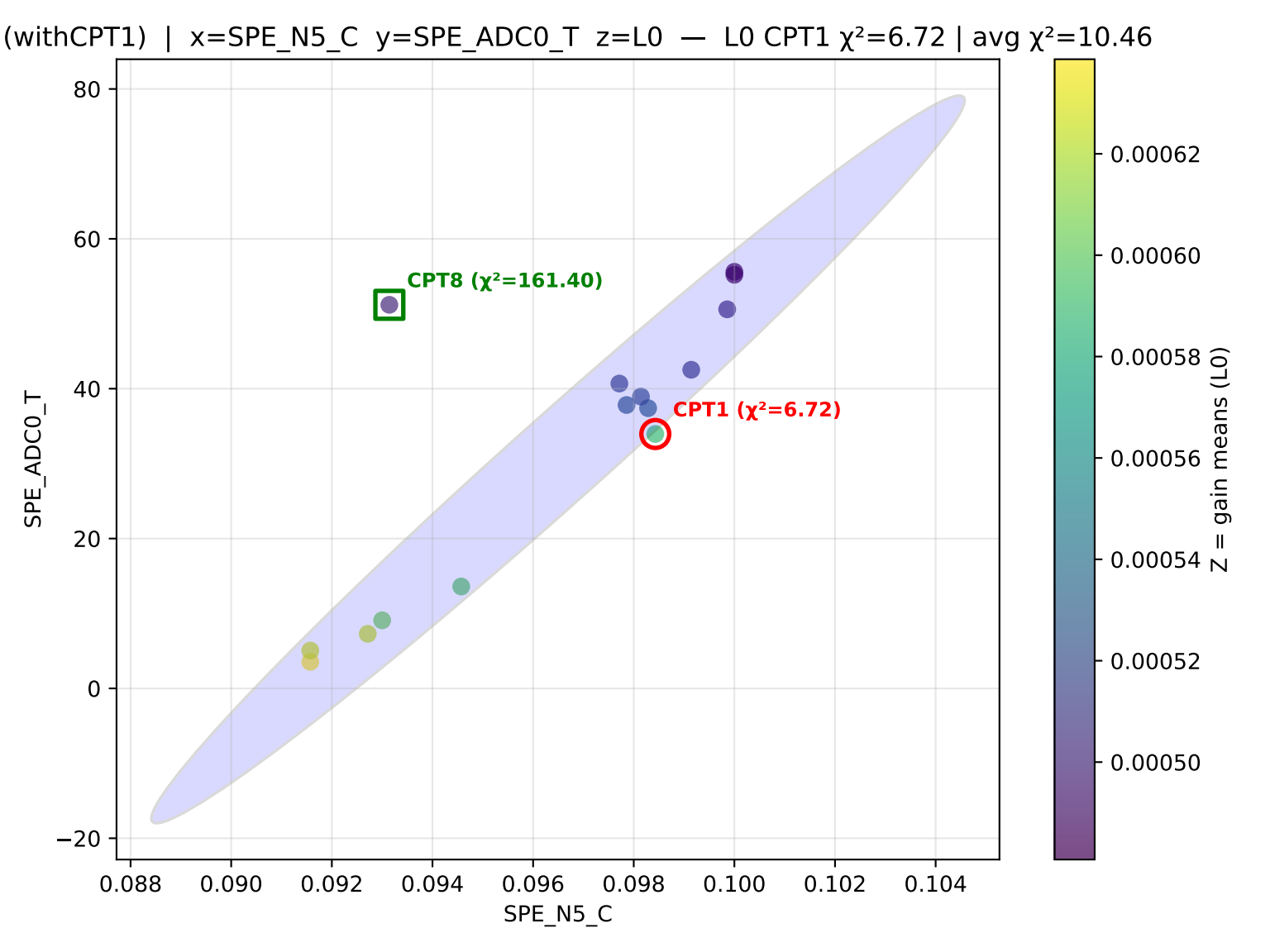
Average χ^2(CPT1) across settings: 10.46

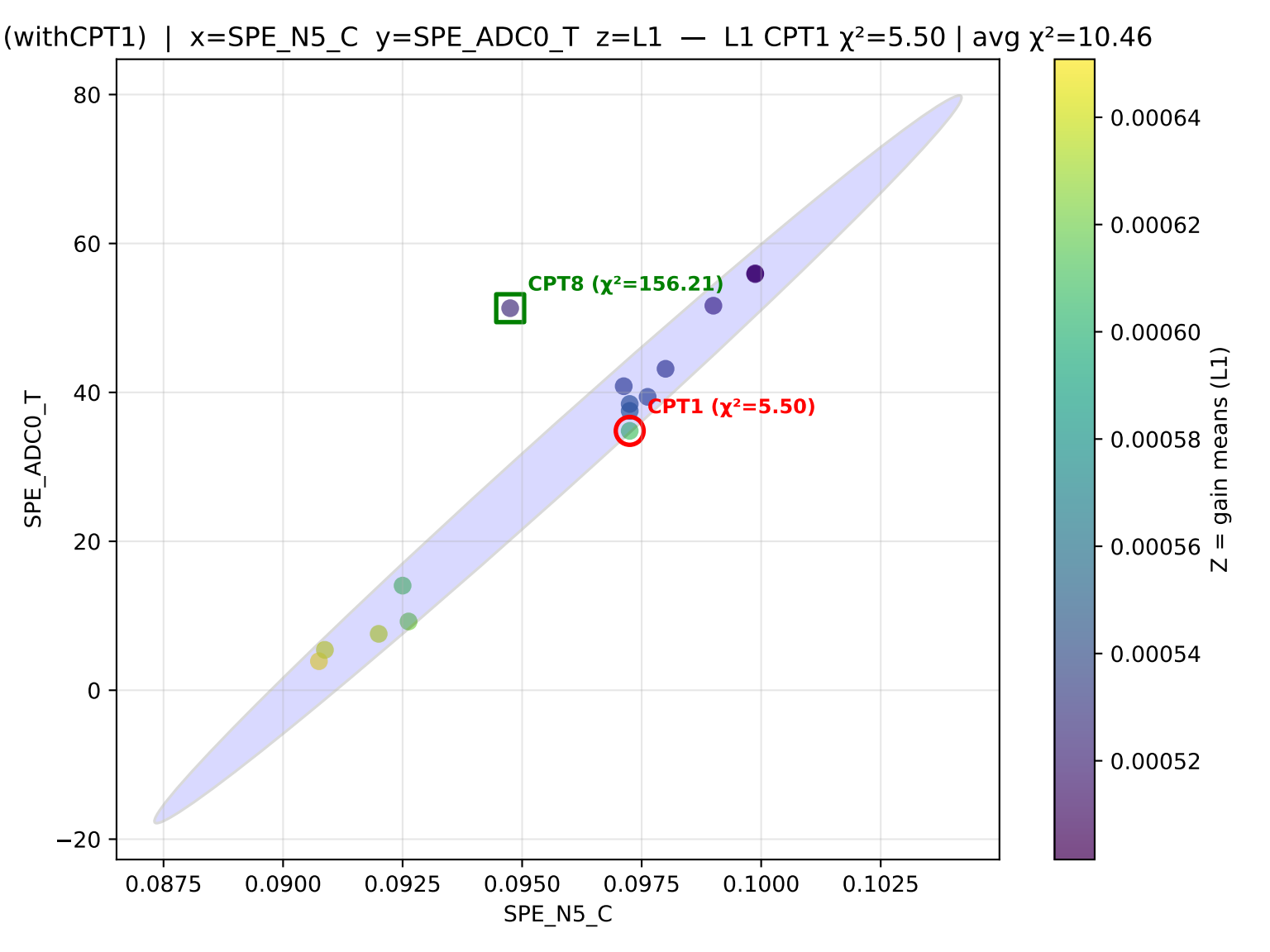

(withCPT1) | x=SPE_N5_C y=SPE_ADC0_T z=H0 — H0 CPT1 χ²=14.57 | avg χ²=10.46
CPT1 (χ²=14.57)
CPT8 (χ
SPE_ADC0_T
SPE_N5_C
Z = gain means (H0)
80
60
40
20
0
−20
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.100
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

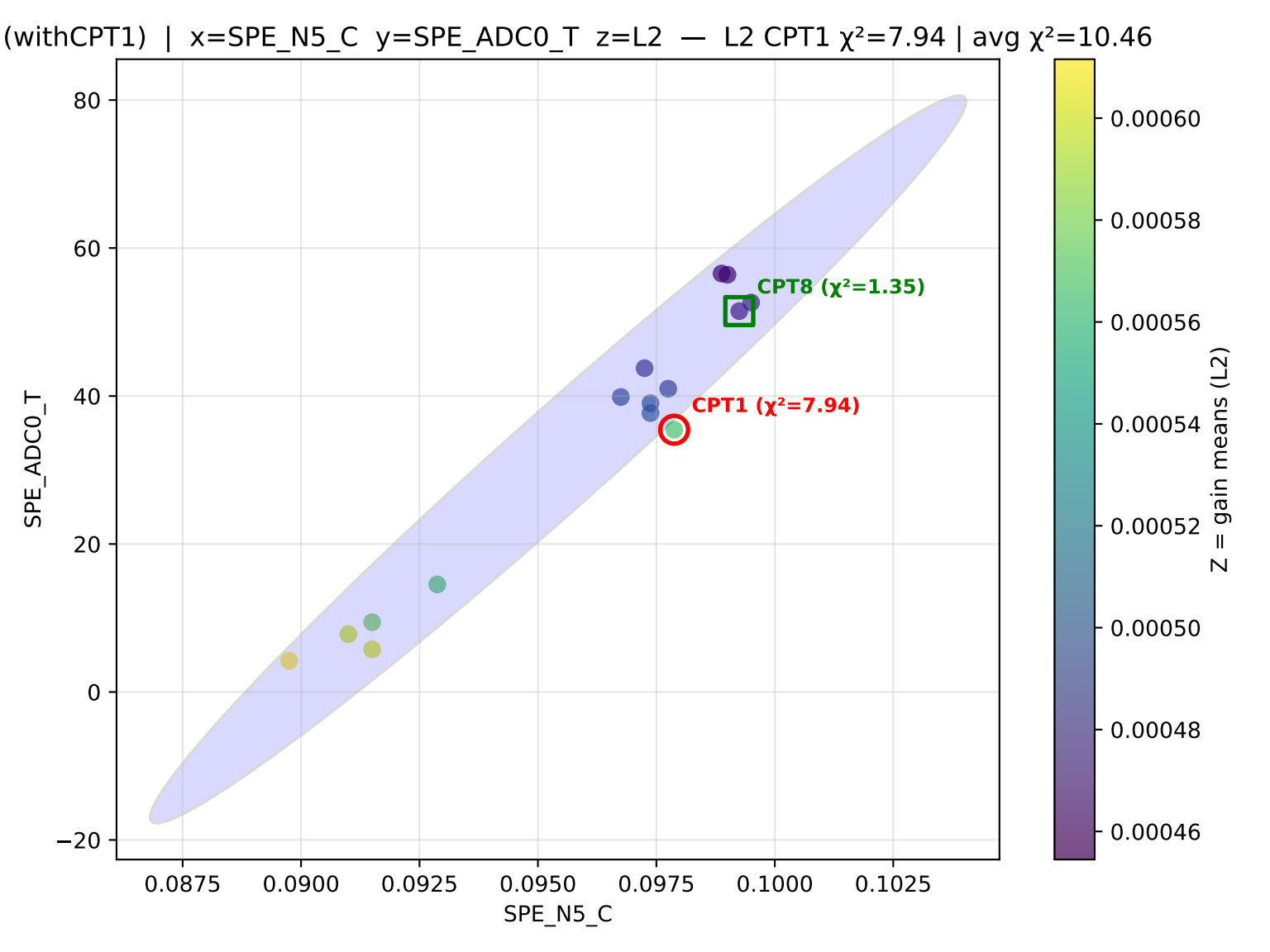

(withCPT1) | x=SPE_N5_C y=SPE_ADC0_T z=H1 — H1 CPT1 χ²=23.92 | avg χ²=10.46
CPT1 (χ²=23.92)
CPT8 (χ
80.87)
SPE_ADC0_T
SPE_N5_C
Z = gain means (H1)
80
60
40
20
0
−20
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

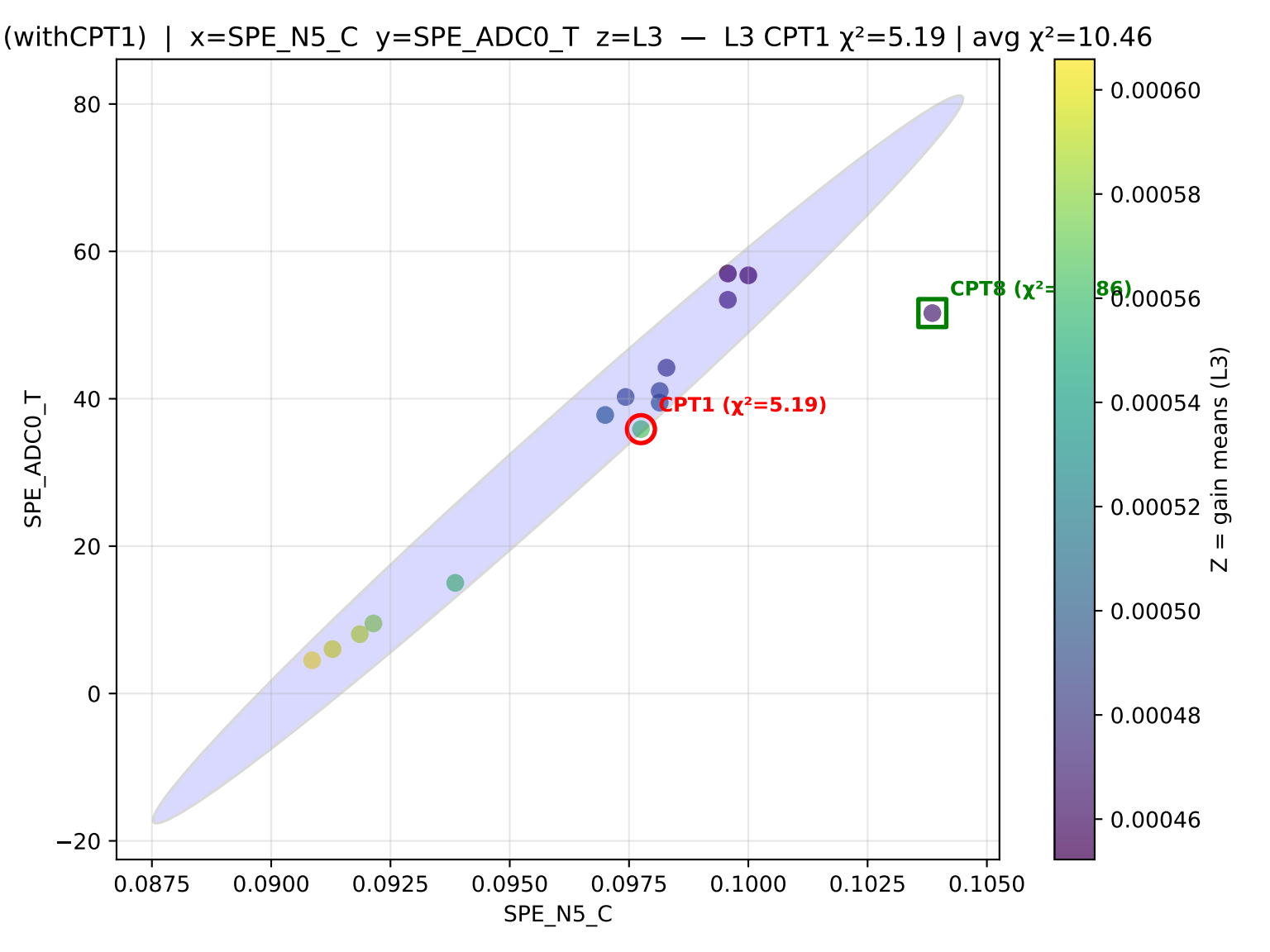

(withCPT1) | x=SPE_N5_C y=SPE_ADC0_T z=H2 — H2 CPT1 χ²=17.13 | avg χ²=10.46
CPT1 (χ²=17.13)
CPT8 (χ
221.76)
SPE_ADC0_T
SPE_N5_C
Z = gain means (H2)
80
60
40
20
0
−20
0.085
0.090
0.095
0.100
0.105
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10

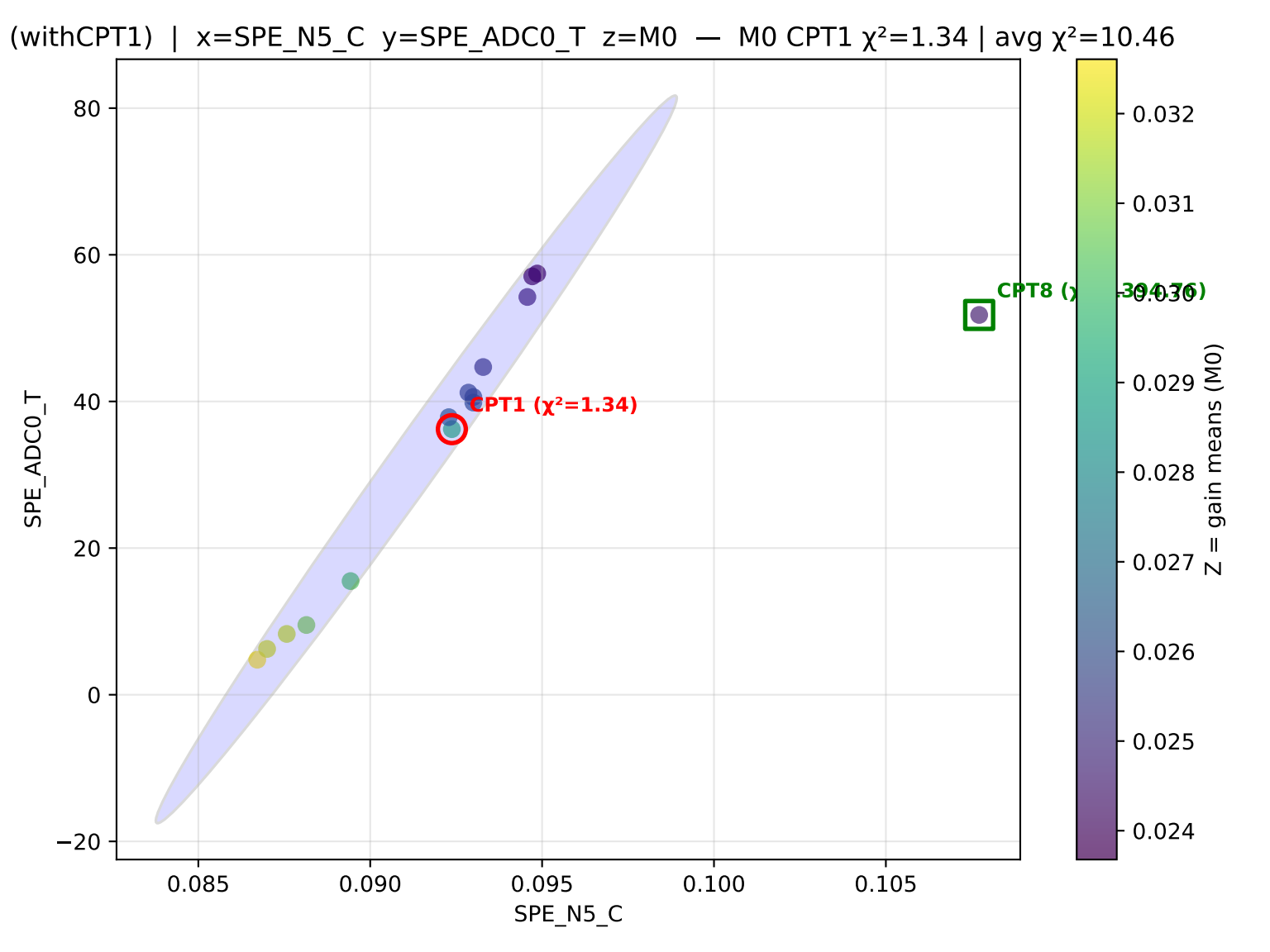

(withCPT1) | x=SPE_N5_C y=SPE_ADC0_T z=H3 — H3 CPT1 χ²=24.14 | avg χ²=10.46
CPT1 (χ²=24.14)
CPT8 (χ
138.04)
SPE_ADC0_T
SPE_N5_C
Z = gain means (H3)
80
60
40
20
0
−20
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
1.30
1.25
1.20
1.15
1.10
1.05
1.00

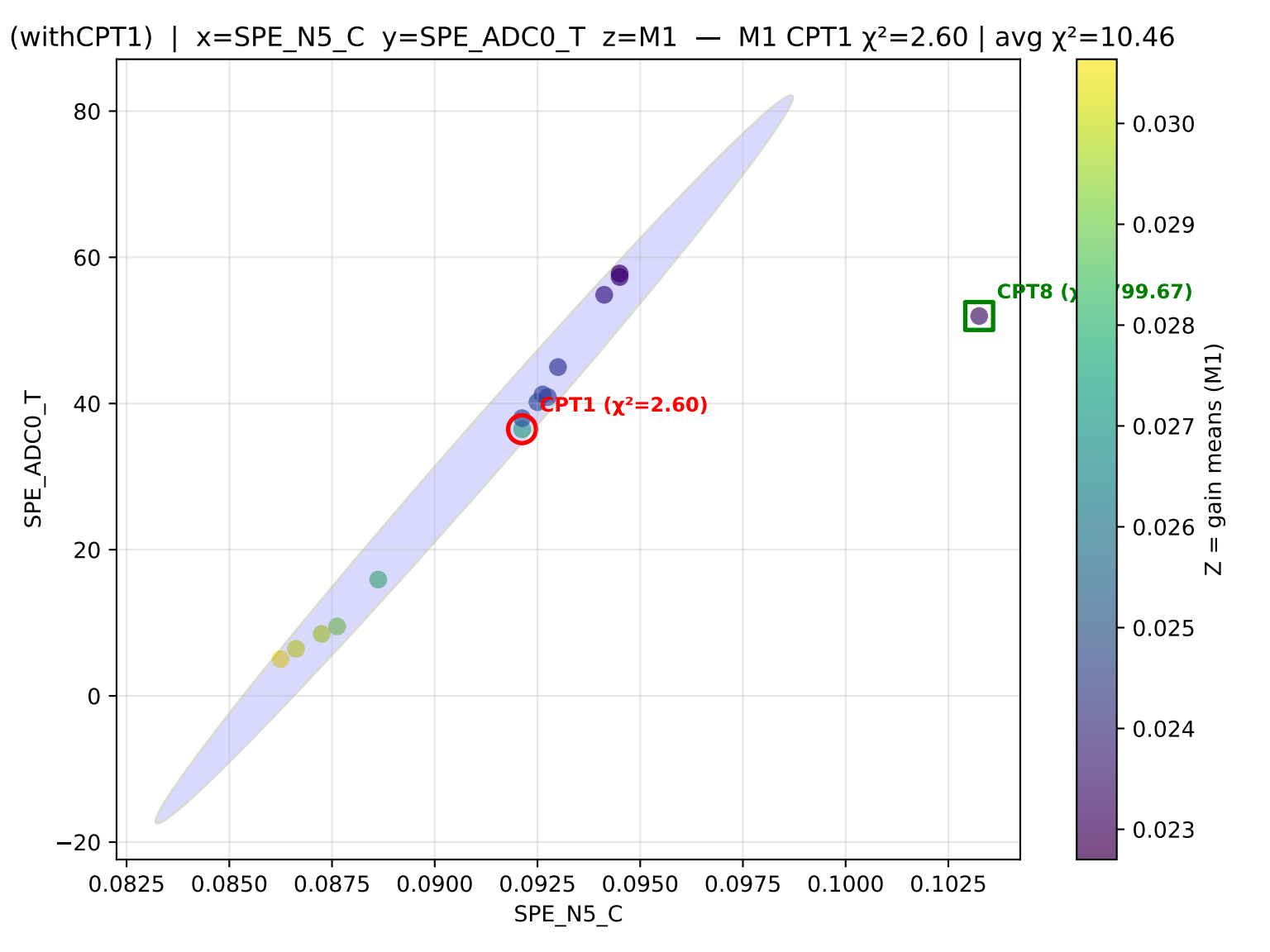

(withCPT1) | x=SPE_N5_C y=SPE_ADC0_T z=L0 — L0 CPT1 χ²=6.72 | avg χ²=10.46
CPT8 (χ²=161.40)
CPT1 (χ²=6.72)
SPE_ADC0_T
SPE_N5_C
Z = gain means (L0)
80
60
40
20
0
−20
0.088
0.090
0.092
0.094
0.096
0.098
0.100
0.102
0.104
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

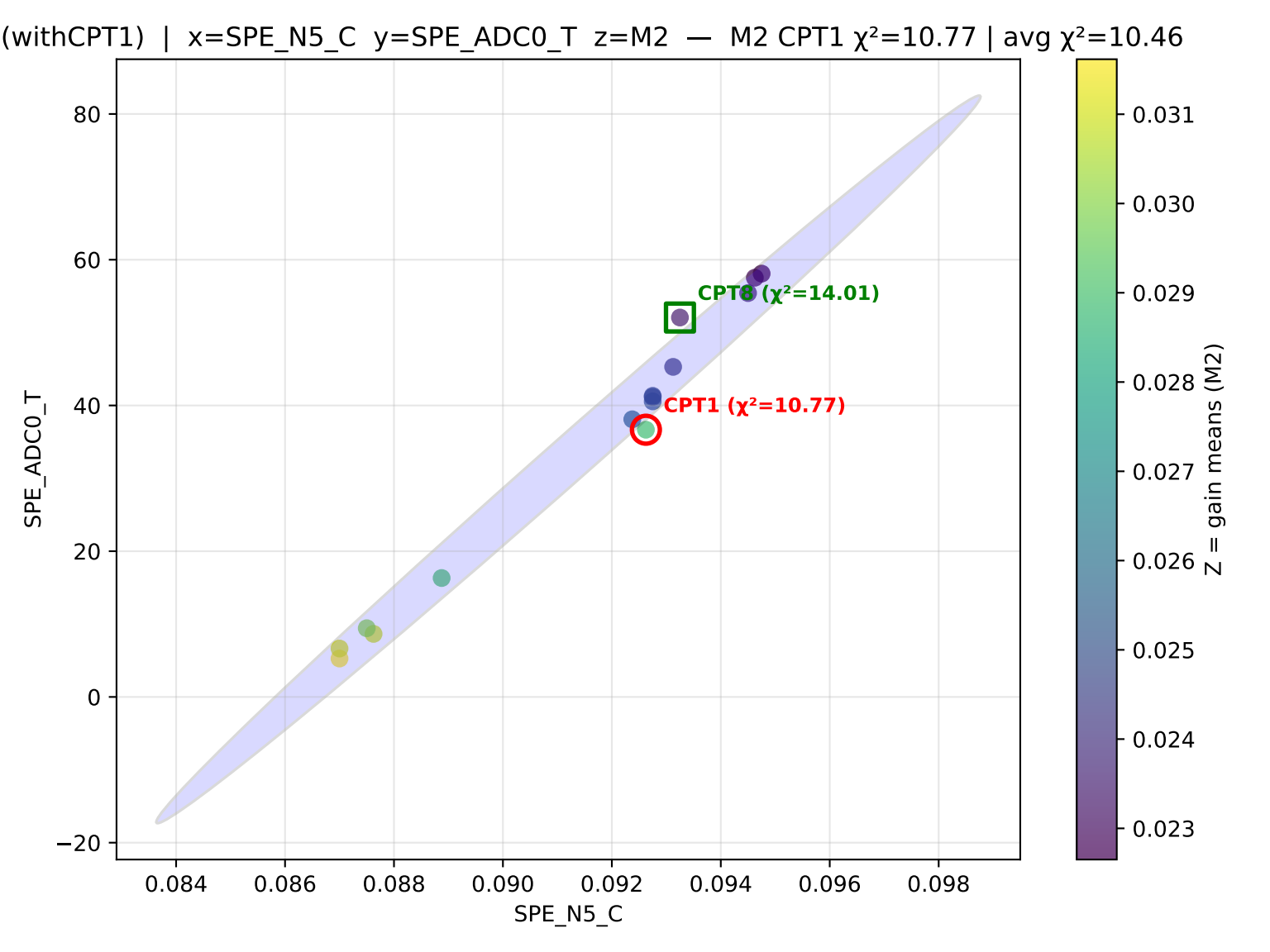

(withCPT1) | x=SPE_N5_C y=SPE_ADC0_T z=L1 — L1 CPT1 χ²=5.50 | avg χ²=10.46
CPT8 (χ²=156.21)
CPT1 (χ²=5.50)
SPE_ADC0_T
SPE_N5_C
Z = gain means (L1)
80
60
40
20
0
−20
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052

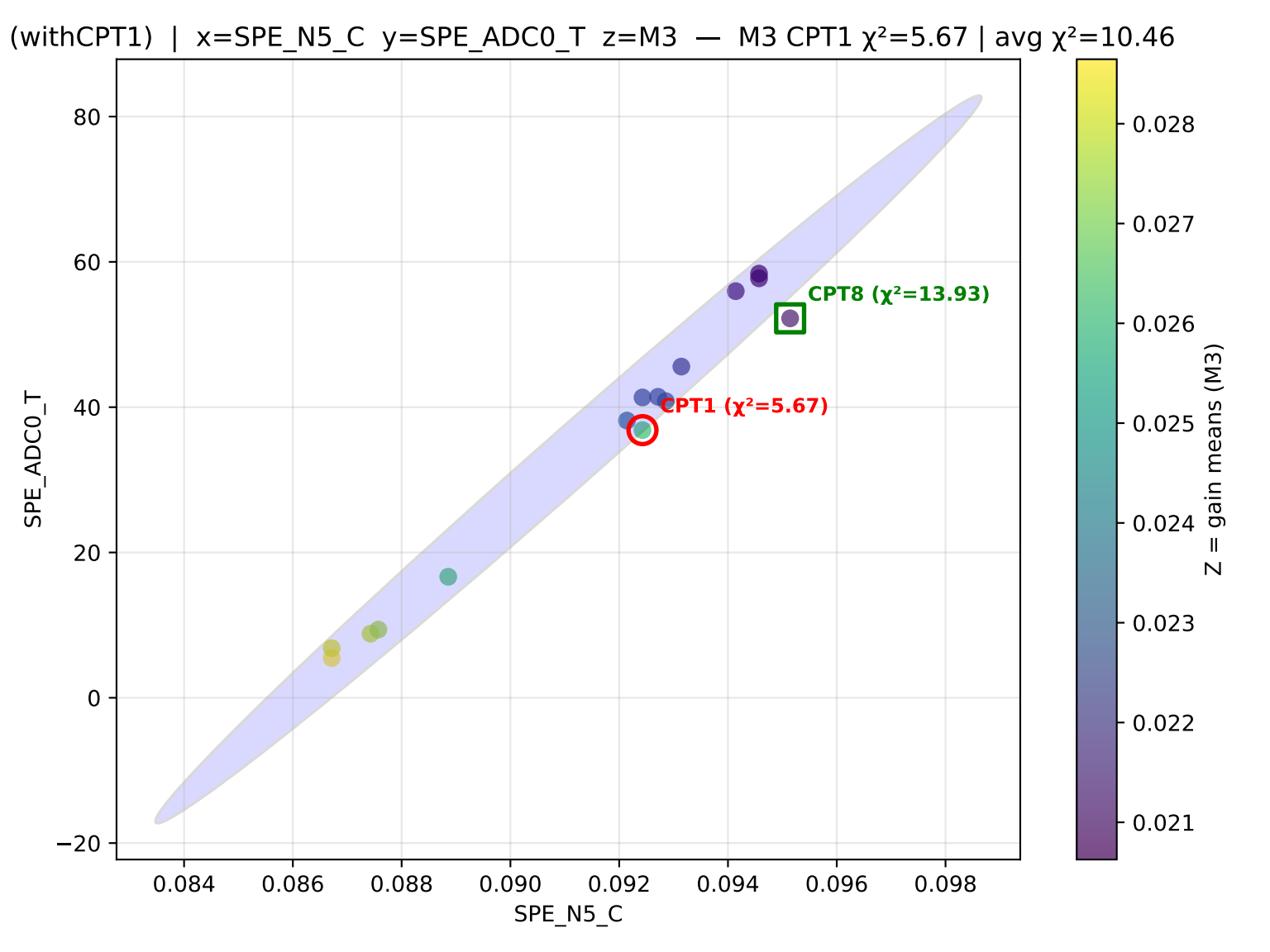

(withCPT1) | x=SPE_N5_C y=SPE_ADC0_T z=L2 — L2 CPT1 χ²=7.94 | avg χ²=10.46
CPT8 (χ²=1.35)
CPT1 (χ²=7.94)
SPE_ADC0_T
SPE_N5_C
Z = gain means (L2)
80
60
40
20
0
−20
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


(withCPT1) | x=SPE_N5_C y=SPE_ADC0_T z=L3 — L3 CPT1 χ²=5.19 | avg χ²=10.46
CPT8 (χ²=
86)
CPT1 (χ²=5.19)
SPE_ADC0_T
SPE_N5_C
Z = gain means (L3)
80
60
40
20
0
−20
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.1050
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


(withCPT1) | x=SPE_N5_C y=SPE_ADC0_T z=M0 — M0 CPT1 χ²=1.34 | avg χ²=10.46
CPT1 (χ²=1.34)
CPT8 (χ²=30.76)
SPE_ADC0_T
SPE_N5_C
Z = gain means (M0)
80
60
40
20
0
−20
0.085
0.090
0.095
0.100
0.105
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

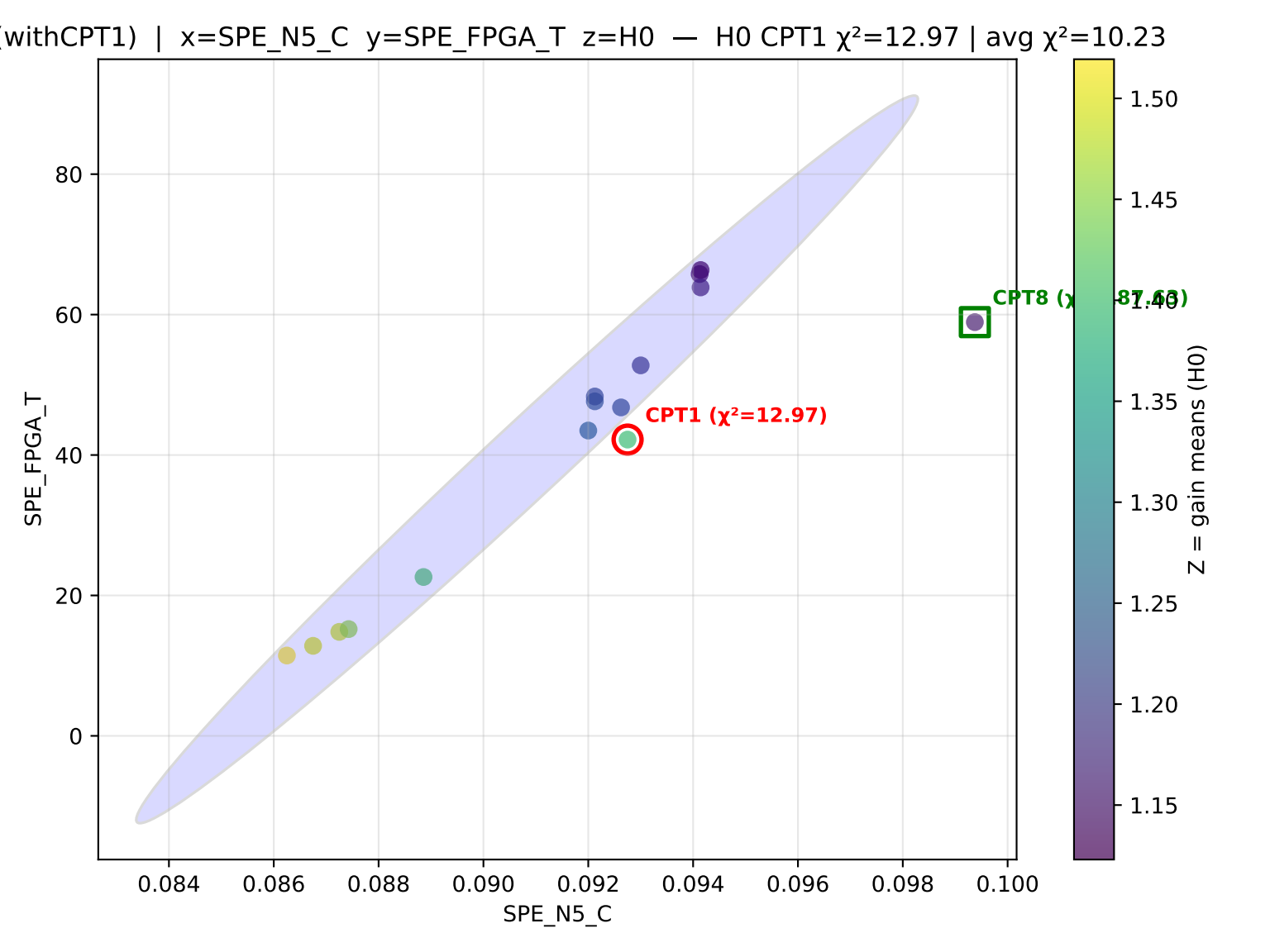

(withCPT1) | x=SPE_N5_C y=SPE_ADC0_T z=M1 — M1 CPT1 χ²=2.60 | avg χ²=10.46
CPT1 (χ²=2.60)
CPT8 (χ
99.67)
SPE_ADC0_T
SPE_N5_C
Z = gain means (M1)
80
60
40
20
0
−20
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

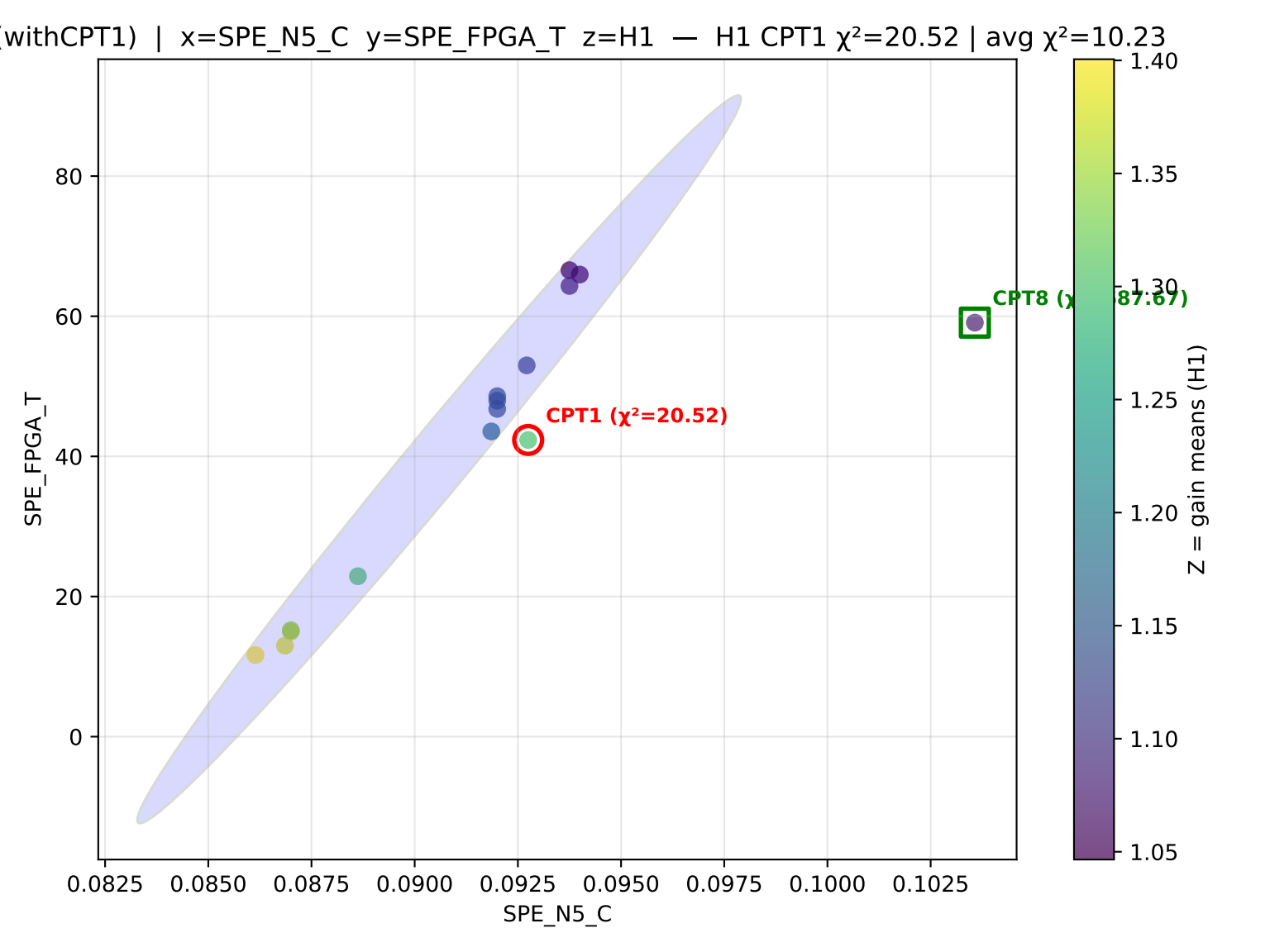

(withCPT1) | x=SPE_N5_C y=SPE_ADC0_T z=M2 — M2 CPT1 χ²=10.77 | avg χ²=10.46
CPT8 (χ²=14.01)
CPT1 (χ²=10.77)
SPE_ADC0_T
SPE_N5_C
Z = gain means (M2)
80
60
40
20
0
−20
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

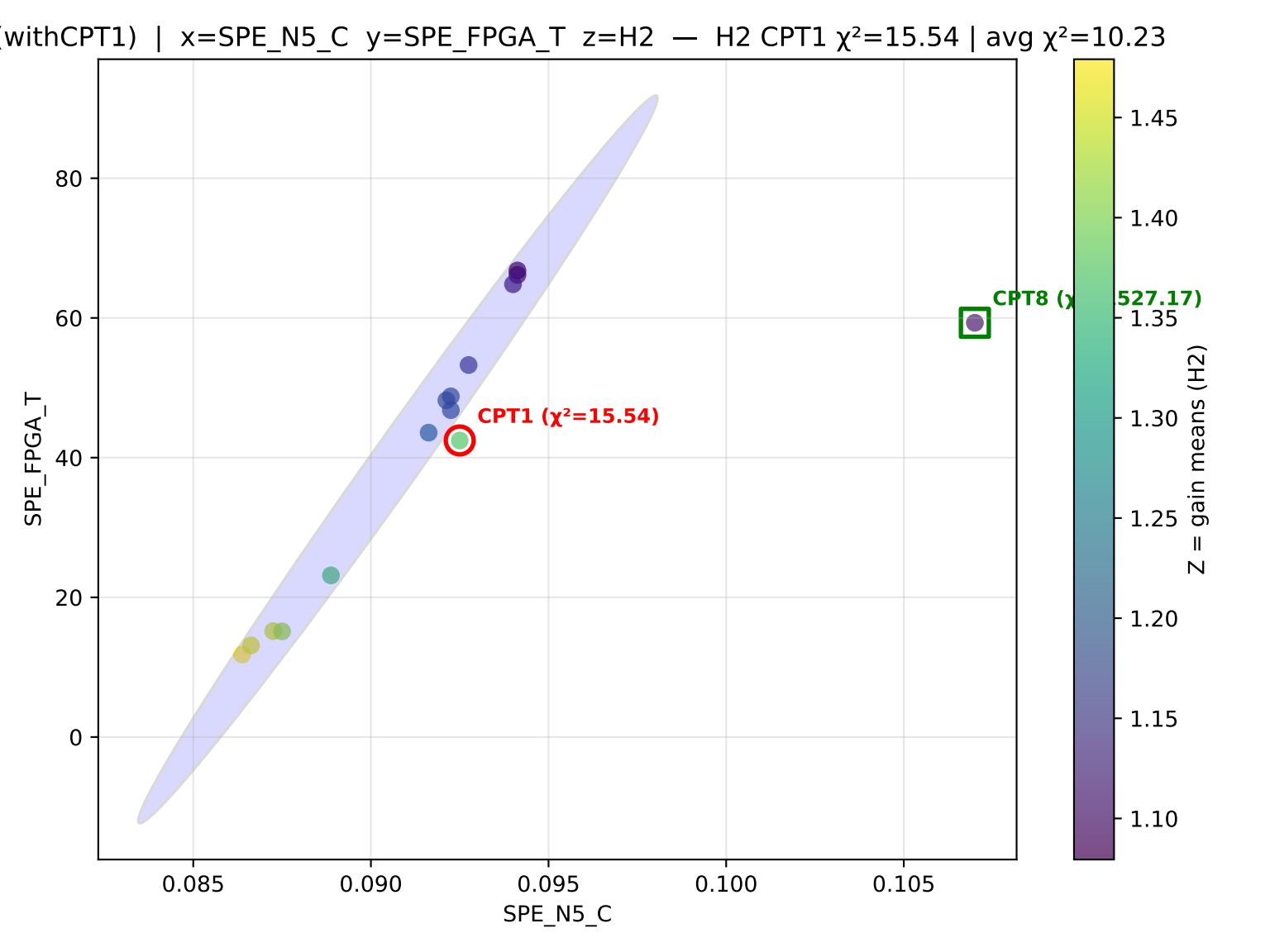

(withCPT1) | x=SPE_N5_C y=SPE_ADC0_T z=M3 — M3 CPT1 χ²=5.67 | avg χ²=10.46
CPT8 (χ²=13.93)
CPT1 (χ²=5.67)
SPE_ADC0_T
SPE_N5_C
Z = gain means (M3)
80
60
40
20
0
−20
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

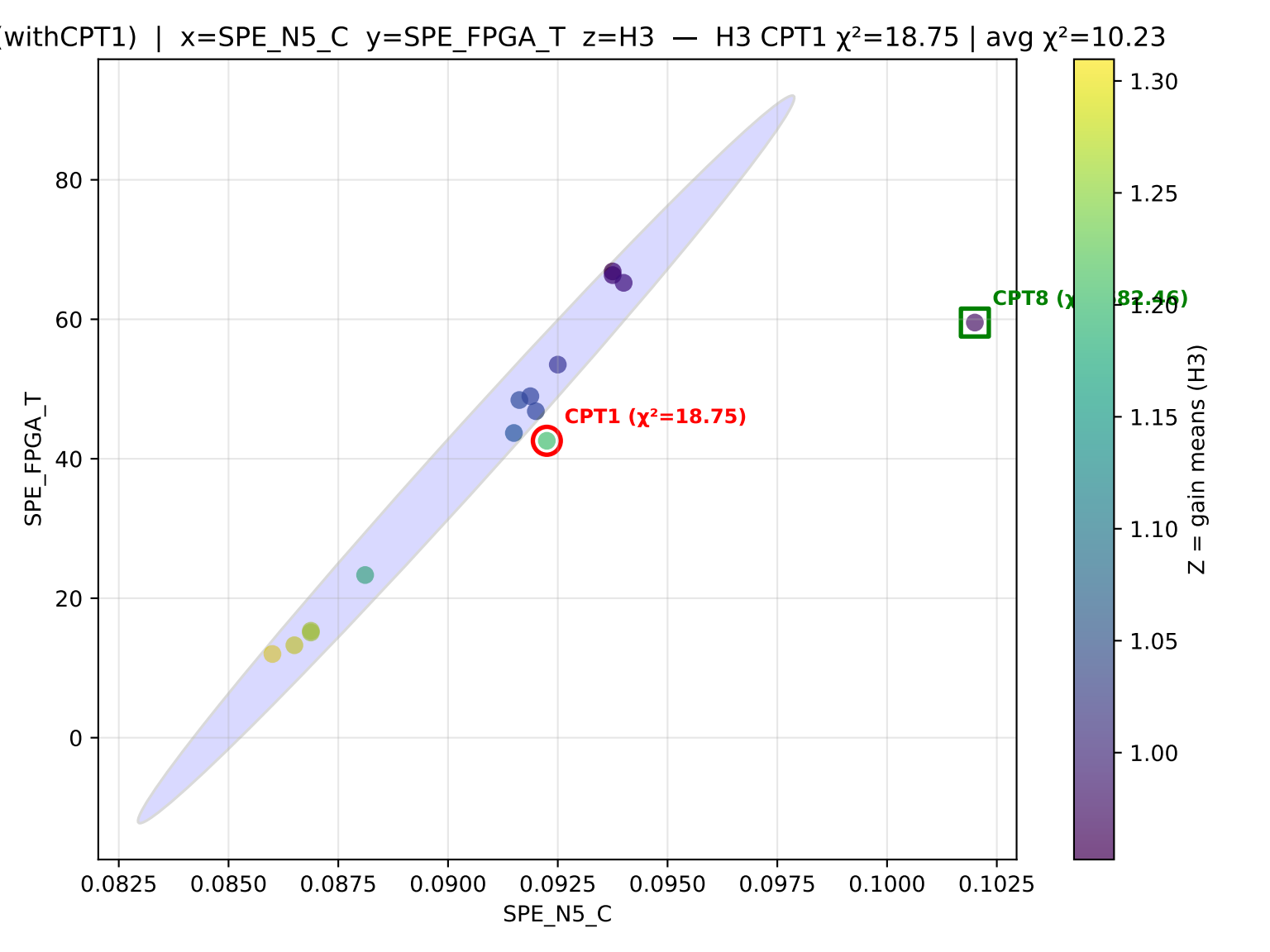
Pair: SPE_N5_C vs SPE_FPGA_T

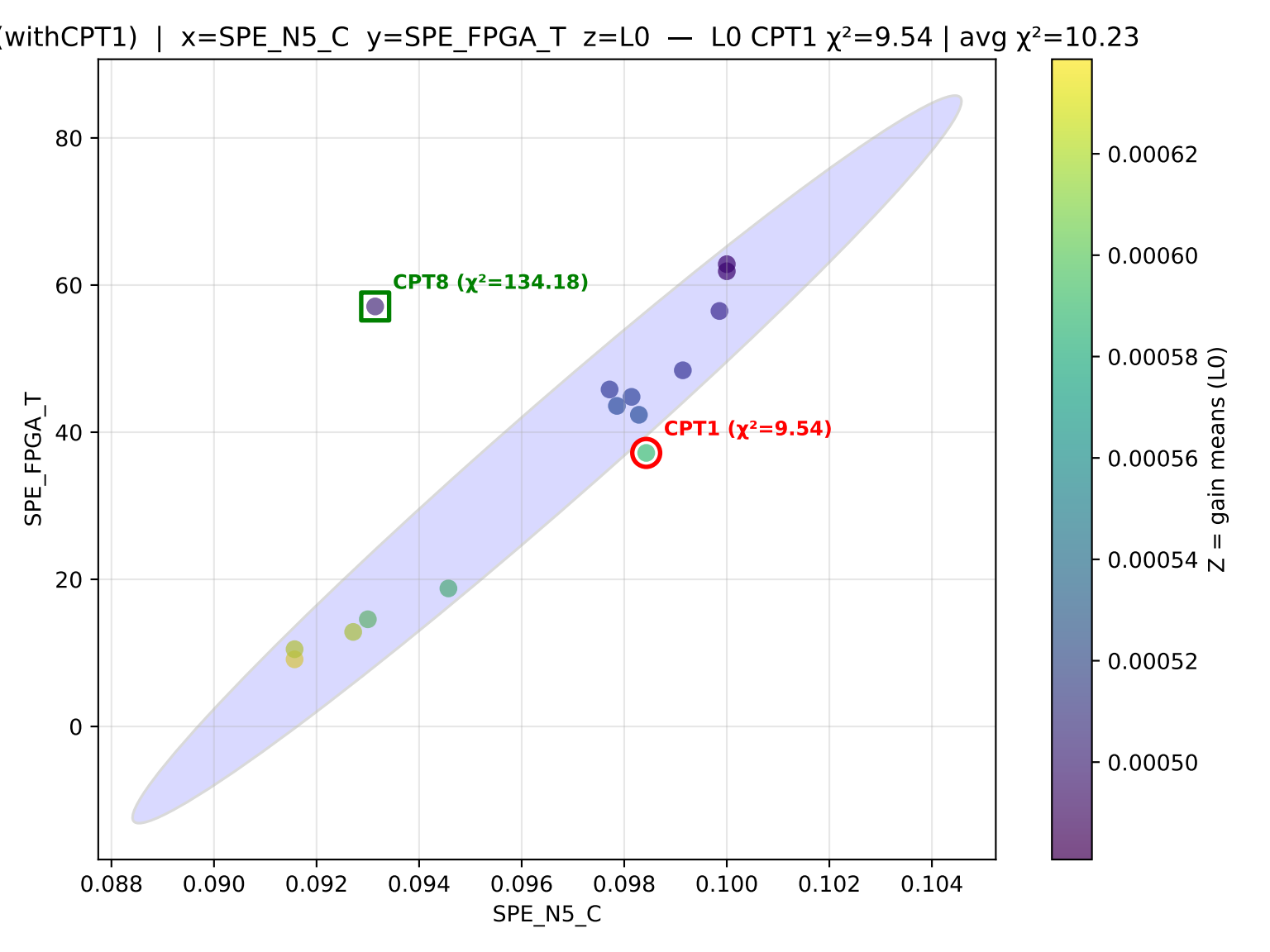
Average χ^2(CPT1) across settings: 10.23

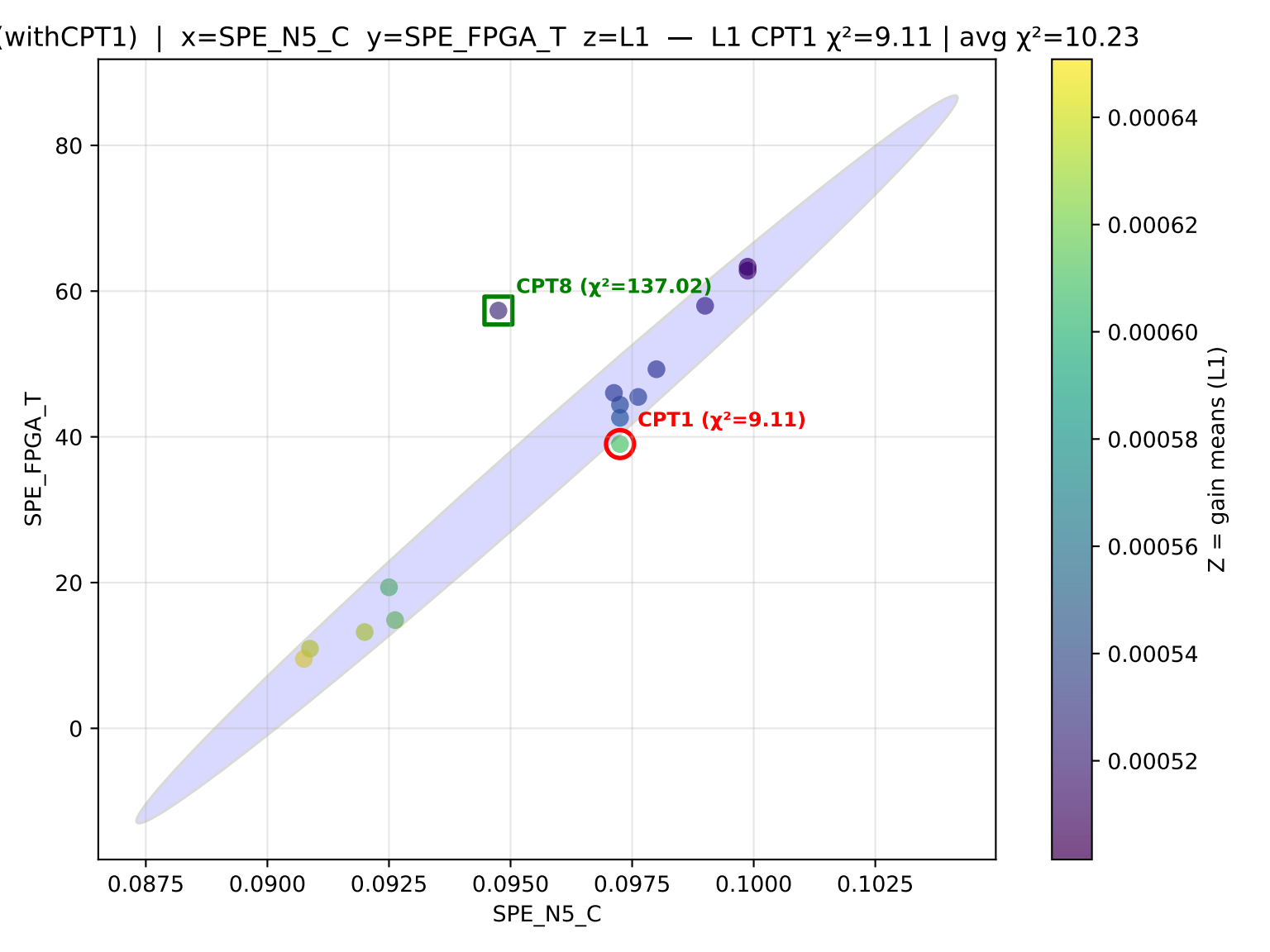

(withCPT1) | x=SPE_N5_C y=SPE_FPGA_T z=H0 — H0 CPT1 χ²=12.97 | avg χ²=10.23
CPT1 (χ²=12.97)
CPT8 (χ
87.63)
SPE_FPGA_T
SPE_N5_C
Z = gain means (H0)
0
20
40
60
80
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.100
1.15
1.20
1.25
1.30
1.35
1.40
1.45
1.50

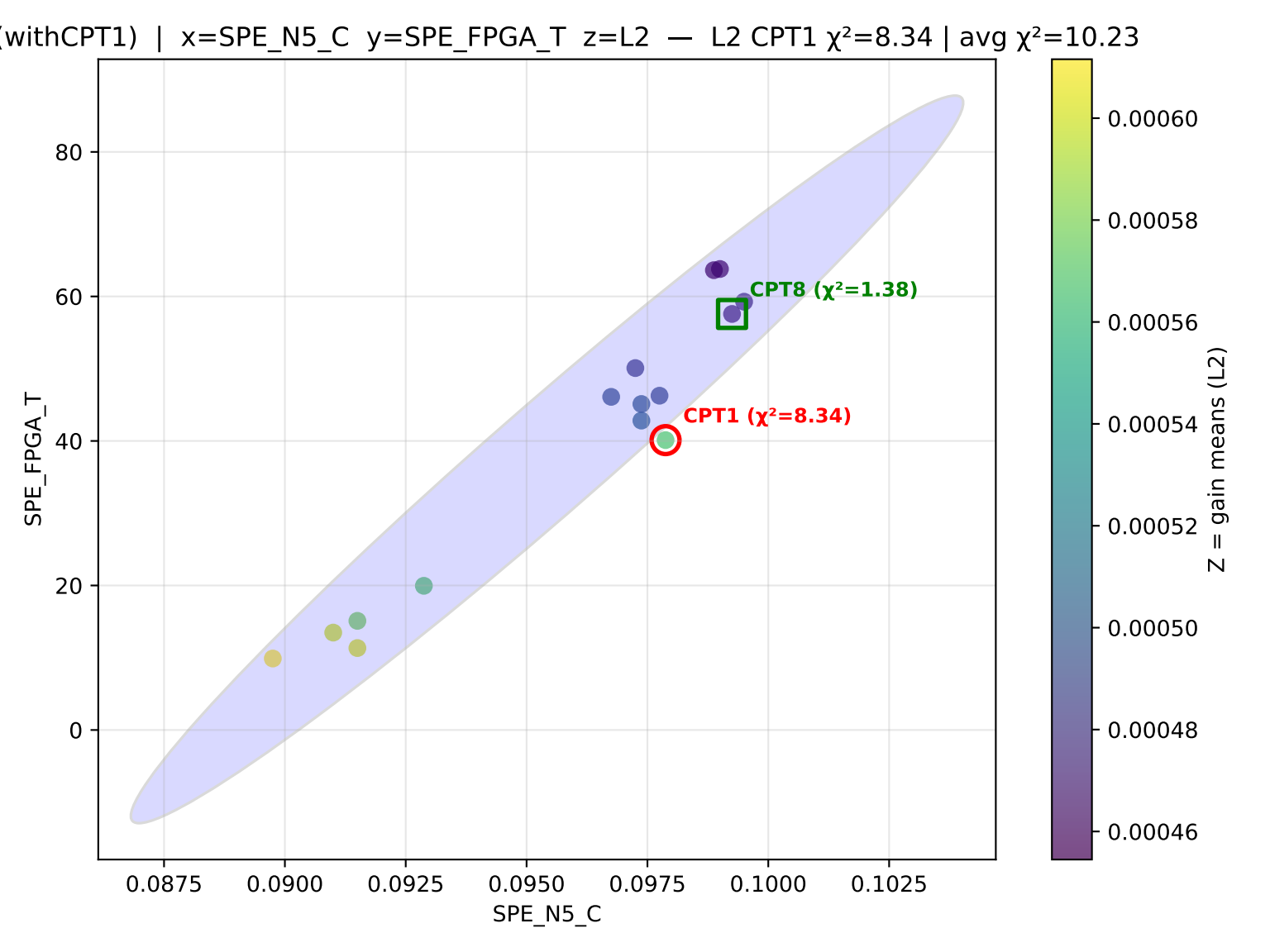

(withCPT1) | x=SPE_N5_C y=SPE_FPGA_T z=H1 — H1 CPT1 χ²=20.52 | avg χ²=10.23
CPT1 (χ²=20.52)
CPT8 (χ
87.67)
SPE_FPGA_T
SPE_N5_C
Z = gain means (H1)
0
20
40
60
80
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
1.05
1.10
1.15
1.20
1.25
1.30
1.35
1.40

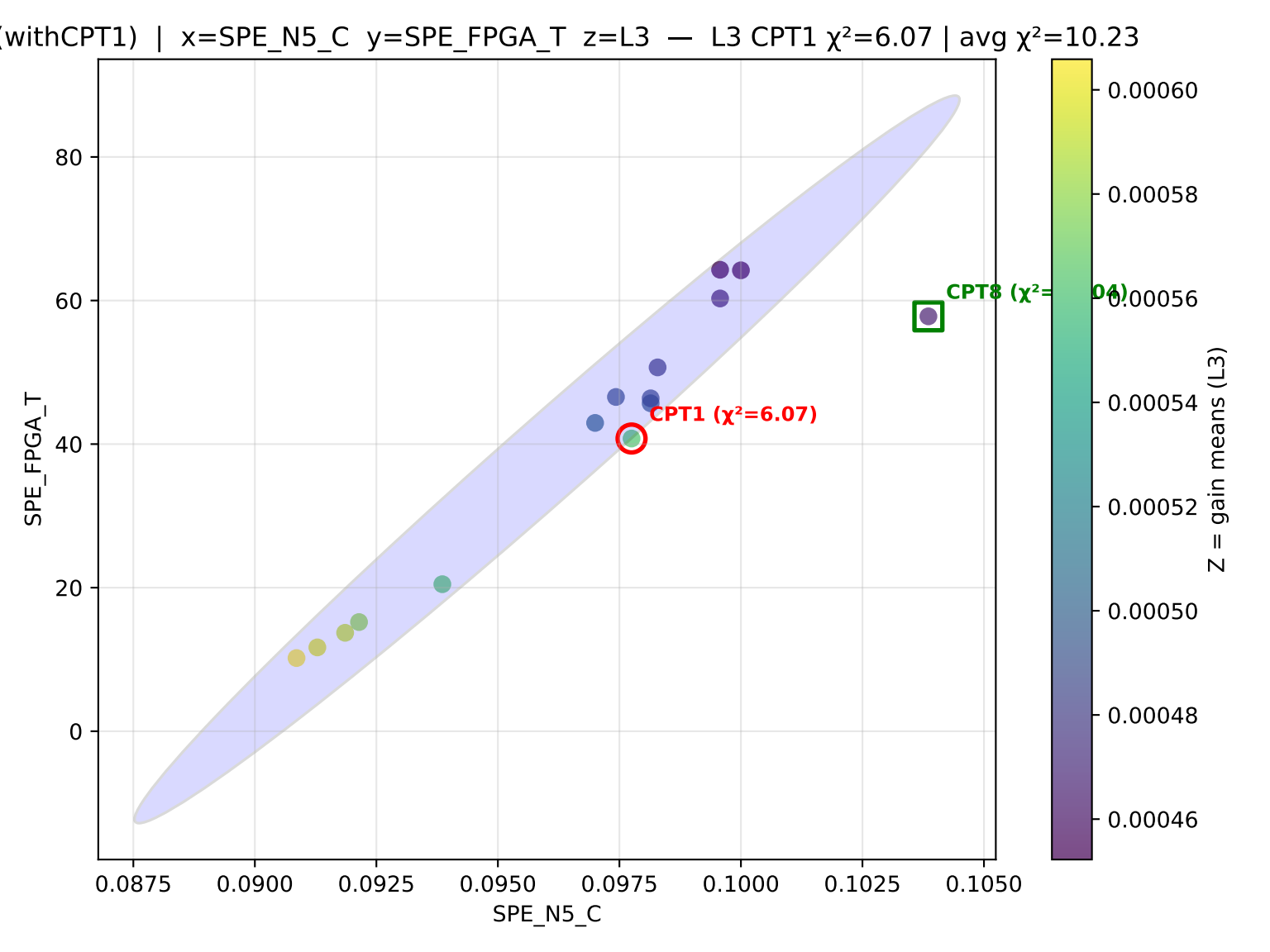

(withCPT1) | x=SPE_N5_C y=SPE_FPGA_T z=H2 — H2 CPT1 χ²=15.54 | avg χ²=10.23
CPT1 (χ²=15.54)
CPT8 (χ
527.17)
SPE_FPGA_T
SPE_N5_C
Z = gain means (H2)
0
20
40
60
80
0.085
0.090
0.095
0.100
0.105
1.10
1.15
1.20
1.25
1.30
1.35
1.40
1.45

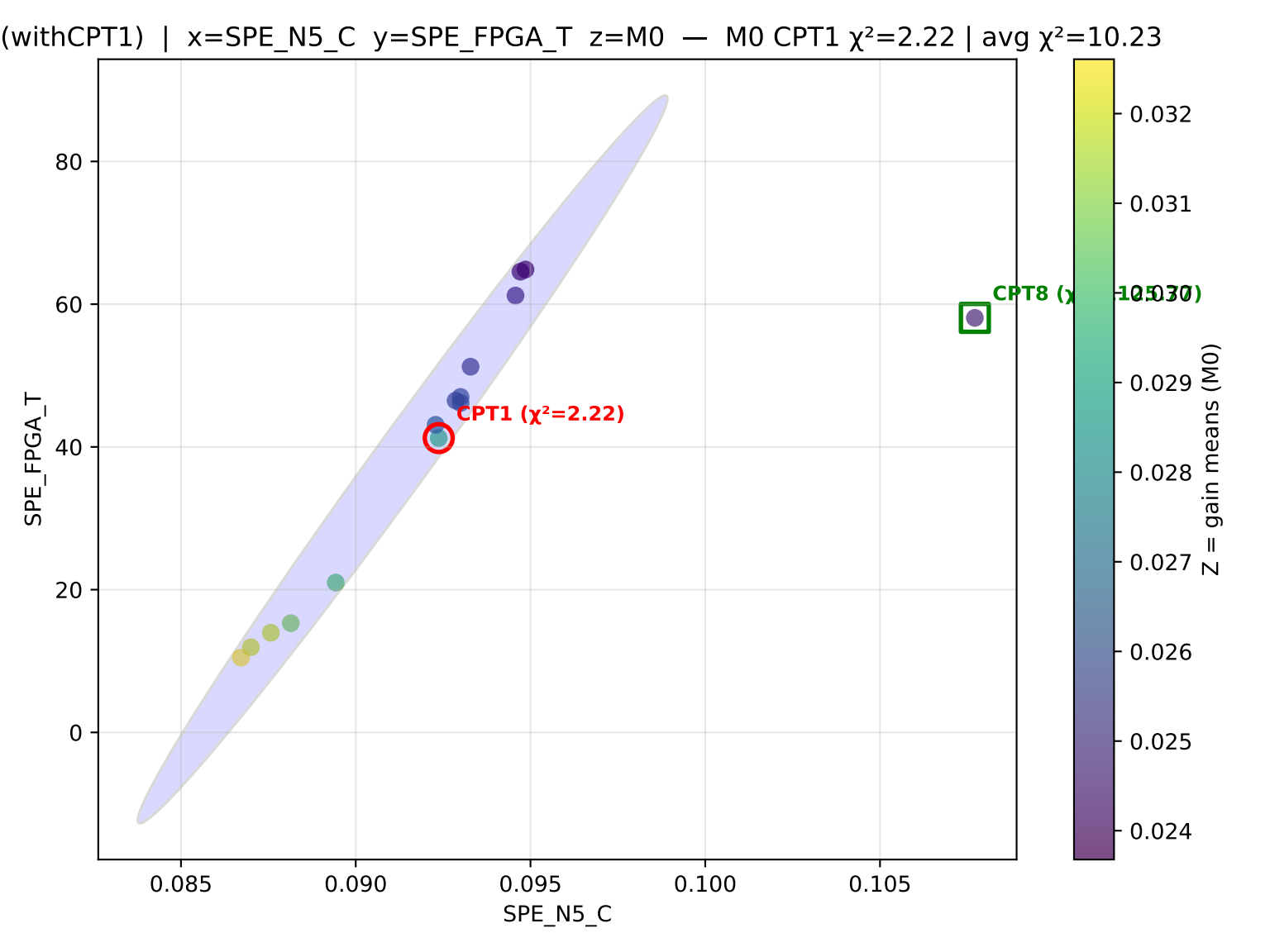

(withCPT1) | x=SPE_N5_C y=SPE_FPGA_T z=H3 — H3 CPT1 χ²=18.75 | avg χ²=10.23
CPT1 (χ²=18.75)
CPT8 (χ
82.46)
SPE_FPGA_T
SPE_N5_C
Z = gain means (H3)
0
20
40
60
80
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
1.00
1.05
1.10
1.15
1.20
1.25
1.30

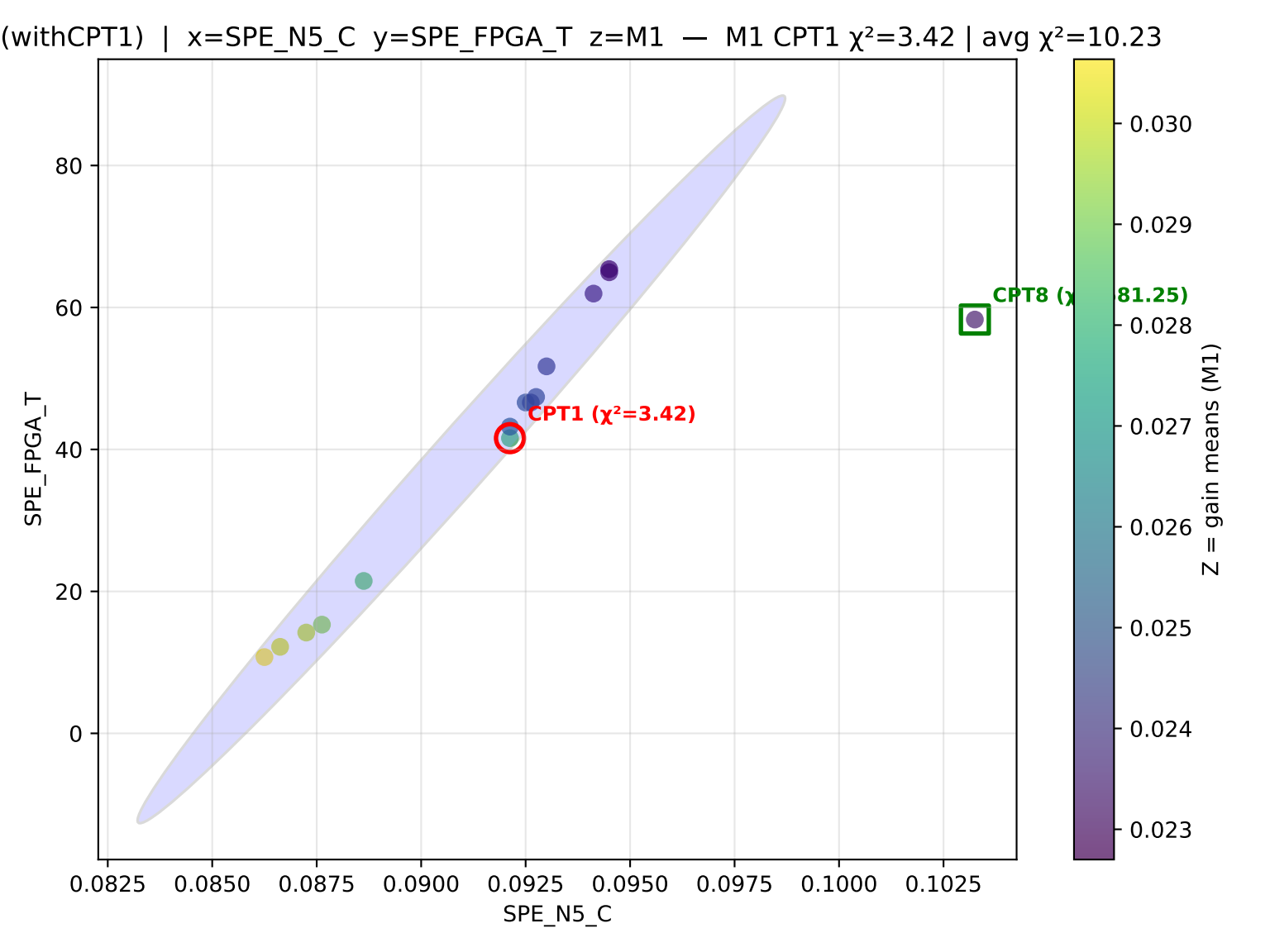

(withCPT1) | x=SPE_N5_C y=SPE_FPGA_T z=L0 — L0 CPT1 χ²=9.54 | avg χ²=10.23
CPT8 (χ²=134.18)
CPT1 (χ²=9.54)
SPE_FPGA_T
SPE_N5_C
Z = gain means (L0)
80
60
40
20
0
0.088
0.090
0.092
0.094
0.096
0.098
0.100
0.102
0.104
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

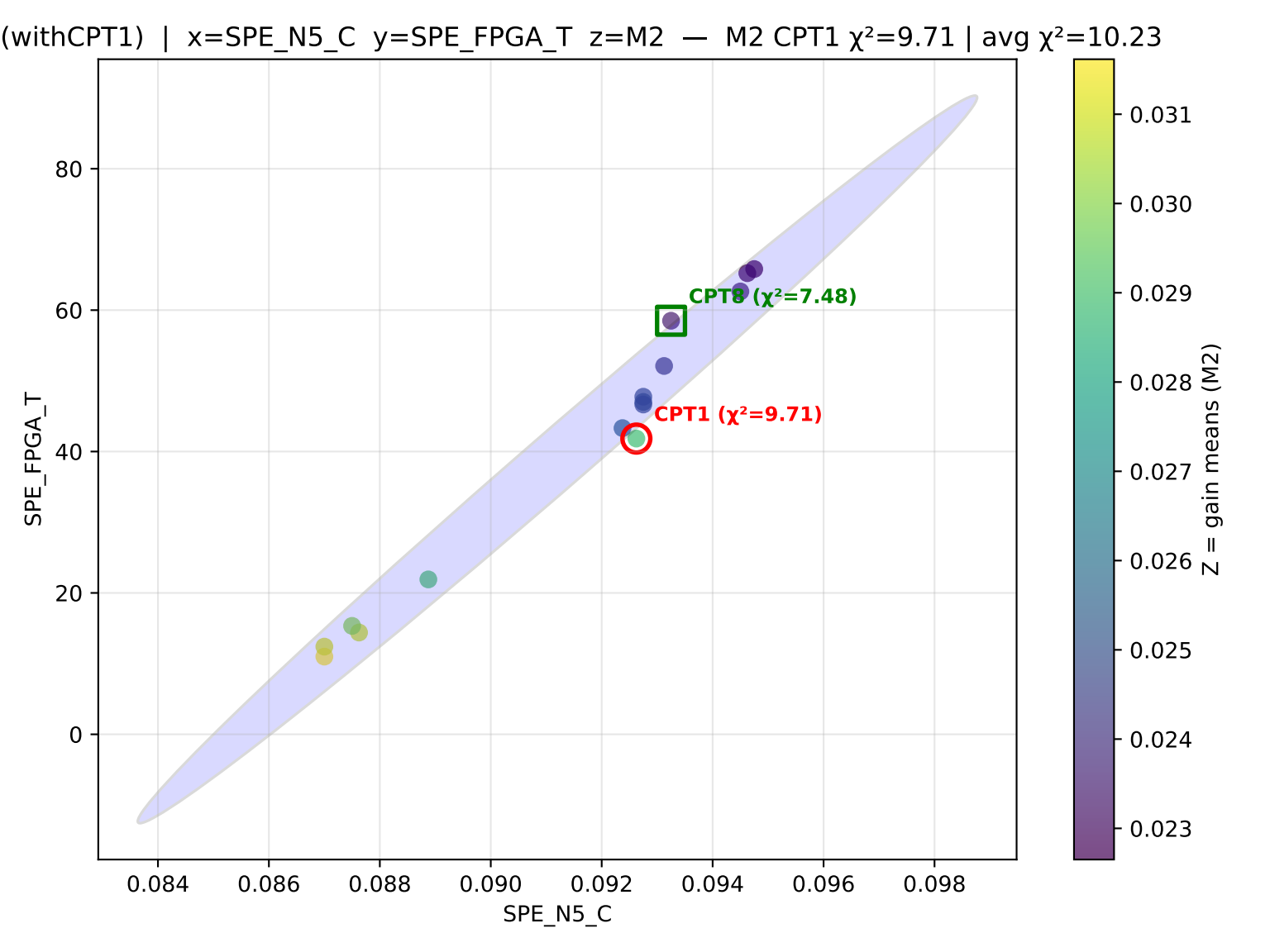

(withCPT1) | x=SPE_N5_C y=SPE_FPGA_T z=L1 — L1 CPT1 χ²=9.11 | avg χ²=10.23
CPT8 (χ²=137.02)
CPT1 (χ²=9.11)
SPE_FPGA_T
SPE_N5_C
Z = gain means (L1)
0
20
40
60
80
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.00052
0.00054
0.00056
0.00058
0.00060
0.00062
0.00064

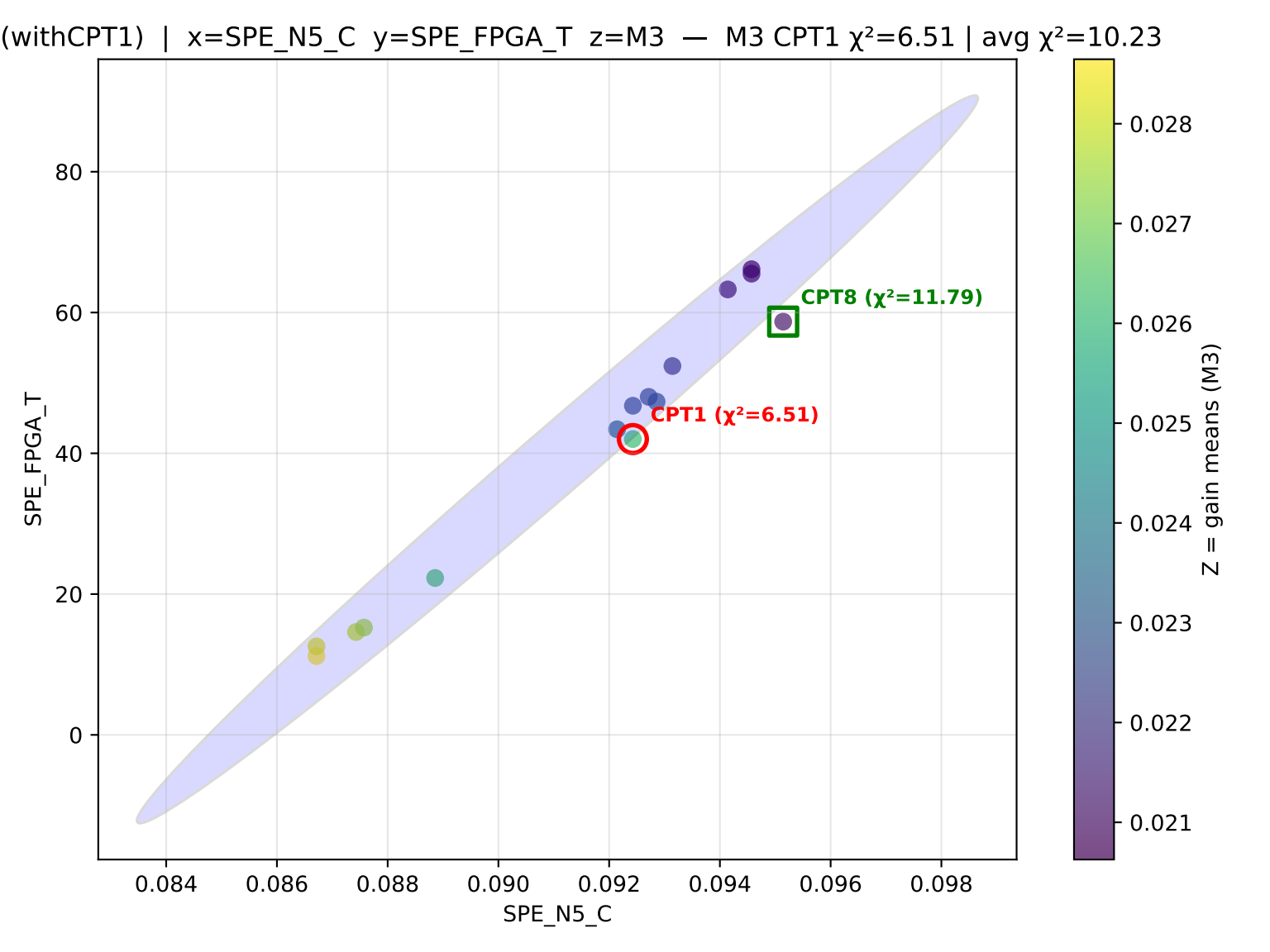

(withCPT1) | x=SPE_N5_C y=SPE_FPGA_T z=L2 — L2 CPT1 χ²=8.34 | avg χ²=10.23
CPT8 (χ²=1.38)
CPT1 (χ²=8.34)
SPE_FPGA_T
SPE_N5_C
Z = gain means (L2)
80
60
40
20
0
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


(withCPT1) | x=SPE_N5_C y=SPE_FPGA_T z=L3 — L3 CPT1 χ²=6.07 | avg χ²=10.23
CPT8 (χ²=
04)
CPT1 (χ²=6.07)
SPE_FPGA_T
SPE_N5_C
Z = gain means (L3)
80
60
40
20
0
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.1050
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


(withCPT1) | x=SPE_N5_C y=SPE_FPGA_T z=M0 — M0 CPT1 χ²=2.22 | avg χ²=10.23
CPT1 (χ²=2.22)
CPT8 (χ²=10.37)
SPE_FPGA_T
SPE_N5_C
Z = gain means (M0)
80
60
40
20
0
0.085
0.090
0.095
0.100
0.105
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

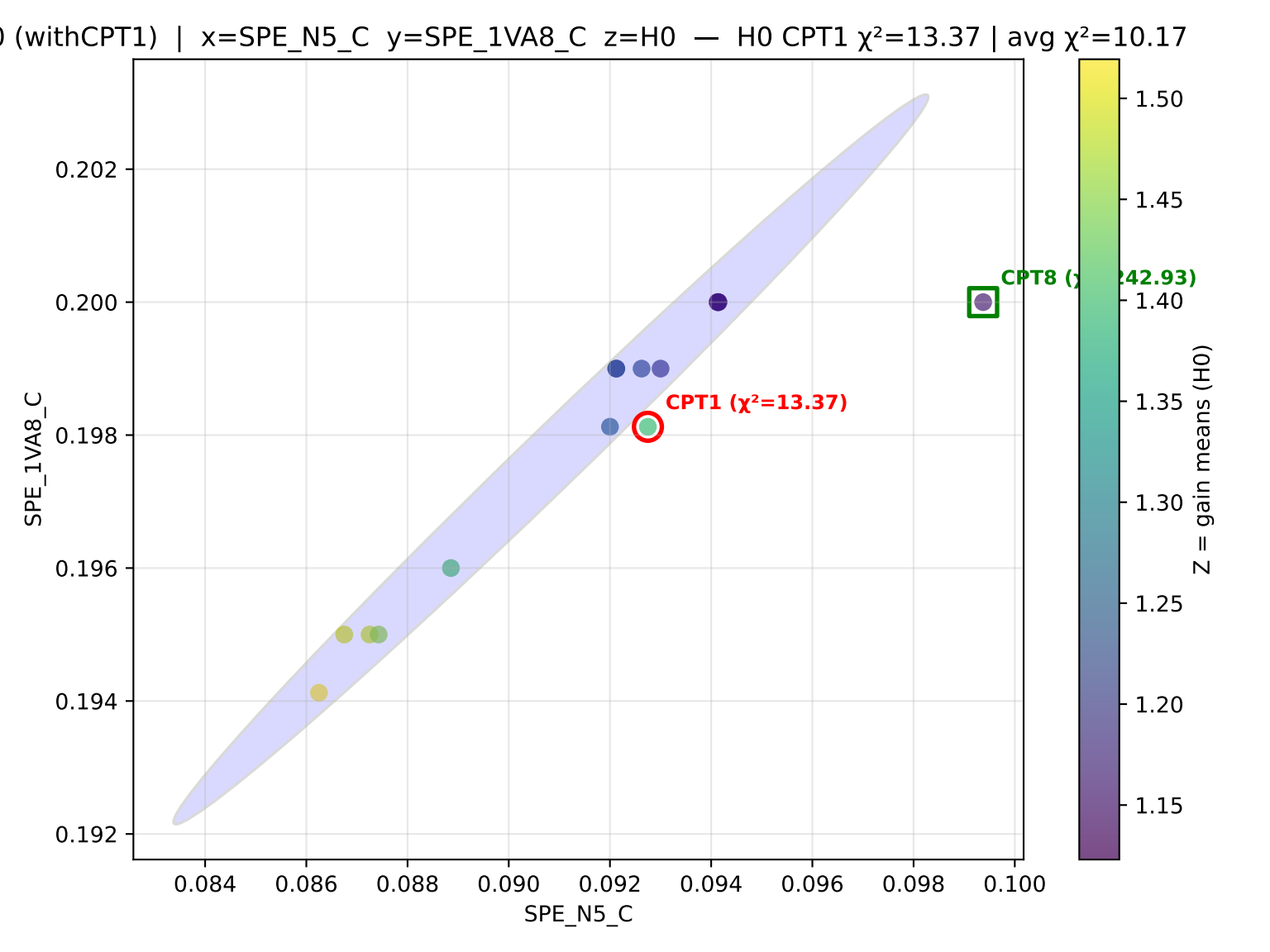

(withCPT1) | x=SPE_N5_C y=SPE_FPGA_T z=M1 — M1 CPT1 χ²=3.42 | avg χ²=10.23
CPT1 (χ²=3.42)
CPT8 (χ
81.25)
SPE_FPGA_T
SPE_N5_C
Z = gain means (M1)
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0
20
40
60
80
0.023
0.024
0.025
0.026
0.027
0.028
0.029
0.030

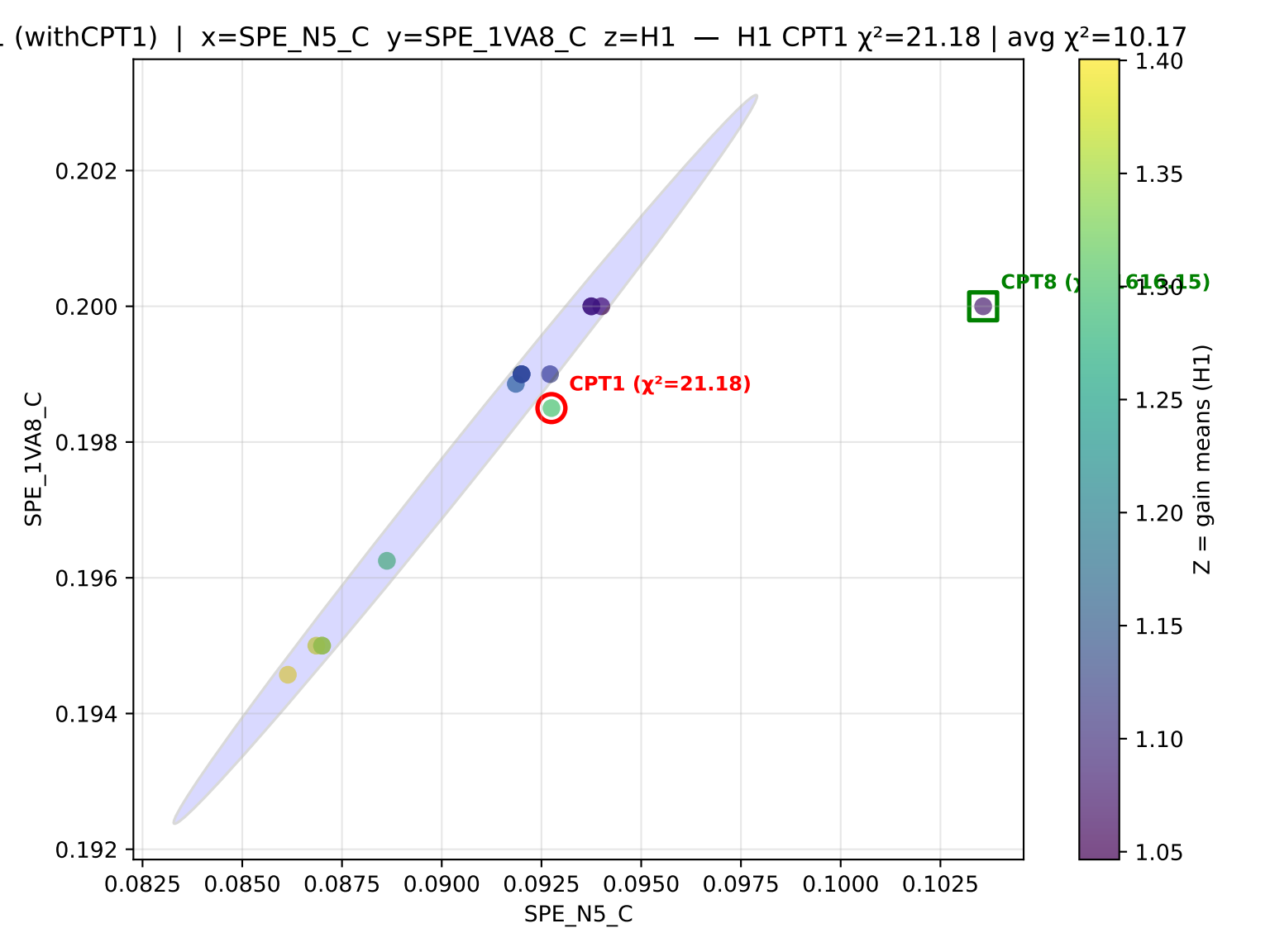

(withCPT1) | x=SPE_N5_C y=SPE_FPGA_T z=M2 — M2 CPT1 χ²=9.71 | avg χ²=10.23
CPT8 (χ²=7.48)
CPT1 (χ²=9.71)
SPE_FPGA_T
SPE_N5_C
Z = gain means (M2)
0
20
40
60
80
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.023
0.024
0.025
0.026
0.027
0.028
0.029
0.030
0.031

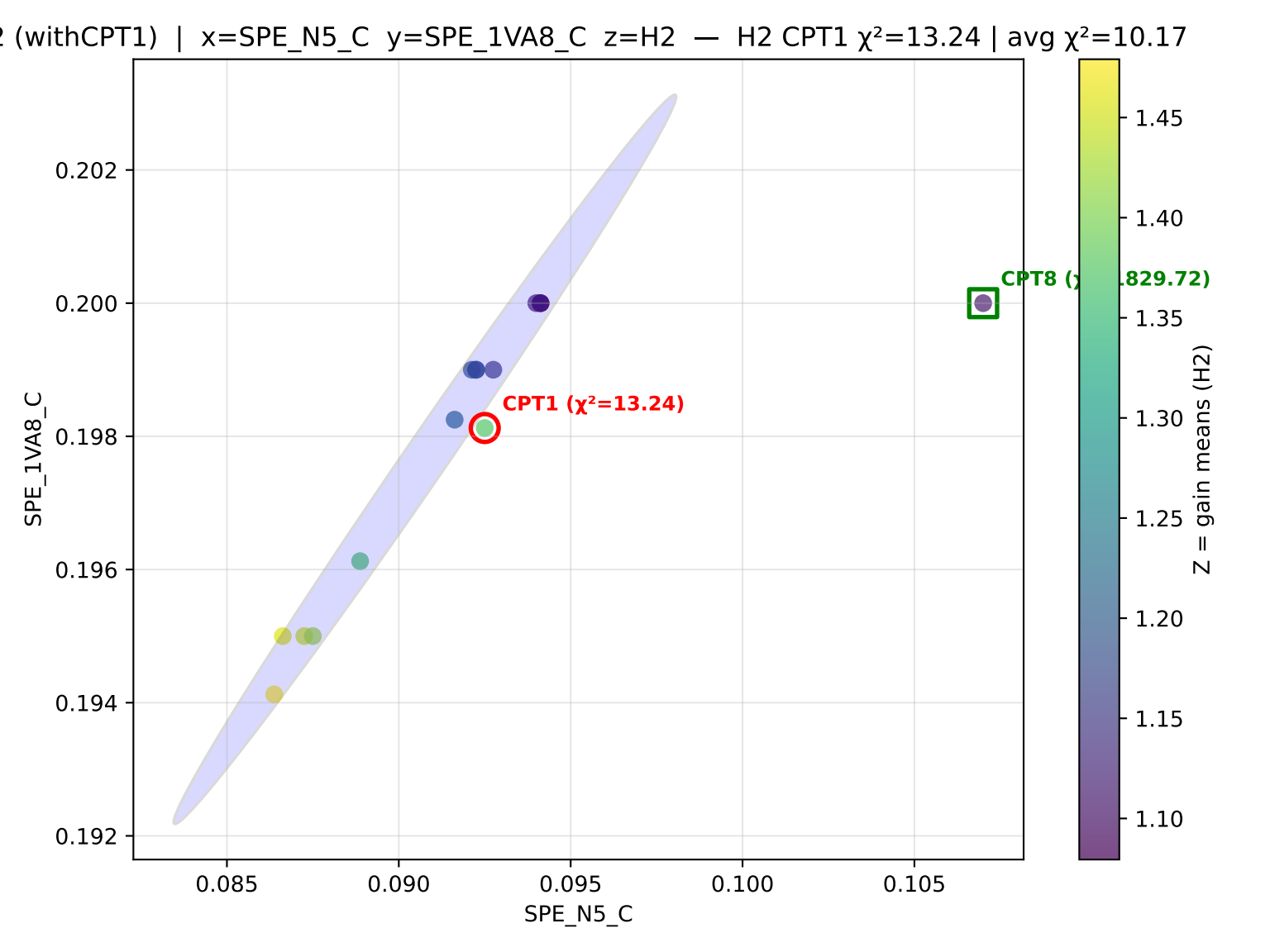

(withCPT1) | x=SPE_N5_C y=SPE_FPGA_T z=M3 — M3 CPT1 χ²=6.51 | avg χ²=10.23
CPT8 (χ²=11.79)
CPT1 (χ²=6.51)
SPE_FPGA_T
SPE_N5_C
Z = gain means (M3)
0
20
40
60
80
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.021
0.022
0.023
0.024
0.025
0.026
0.027
0.028

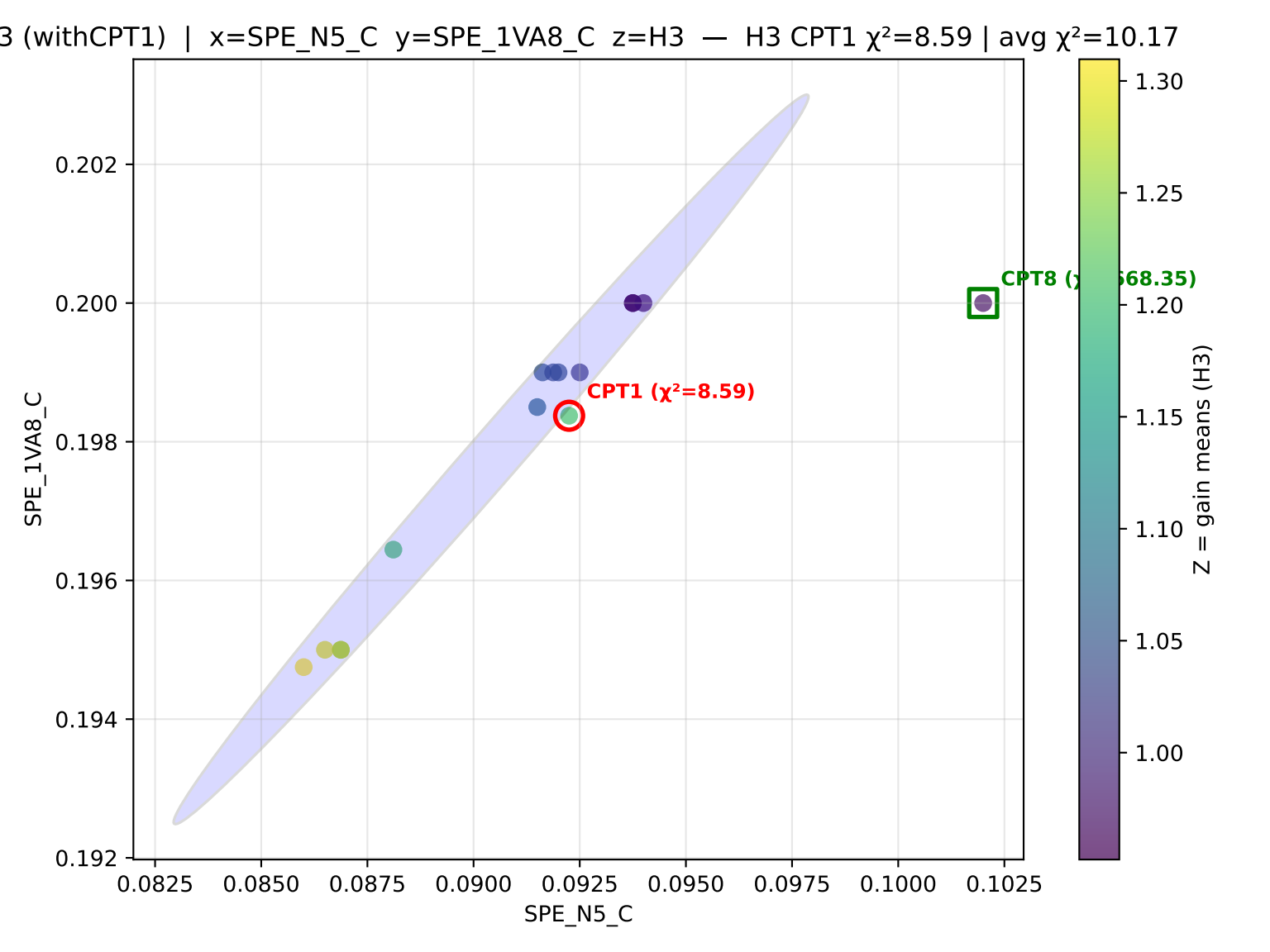
Pair: SPE_N5_C vs SPE_1VA8_C

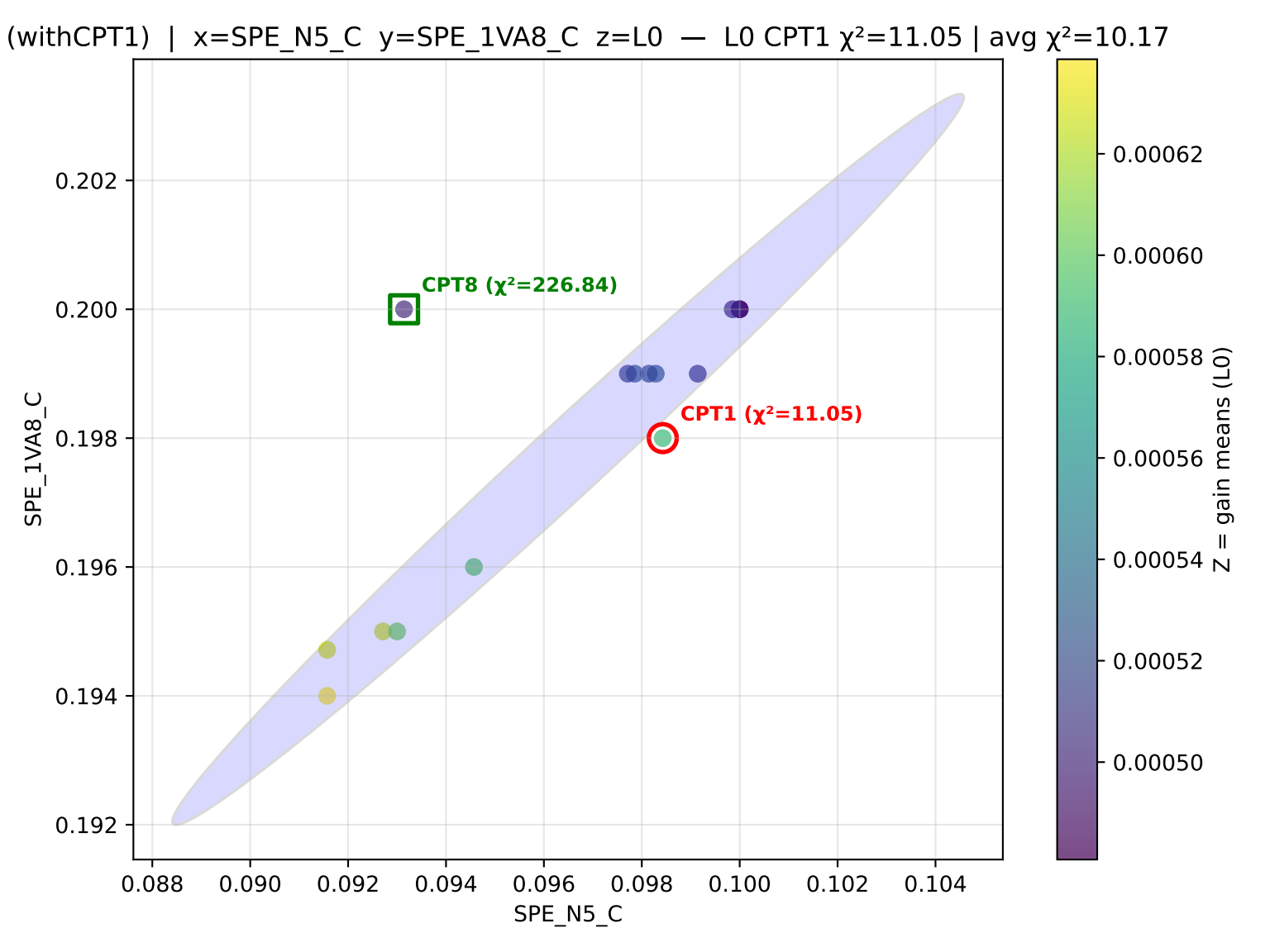
Average χ^2(CPT1) across settings: 10.17

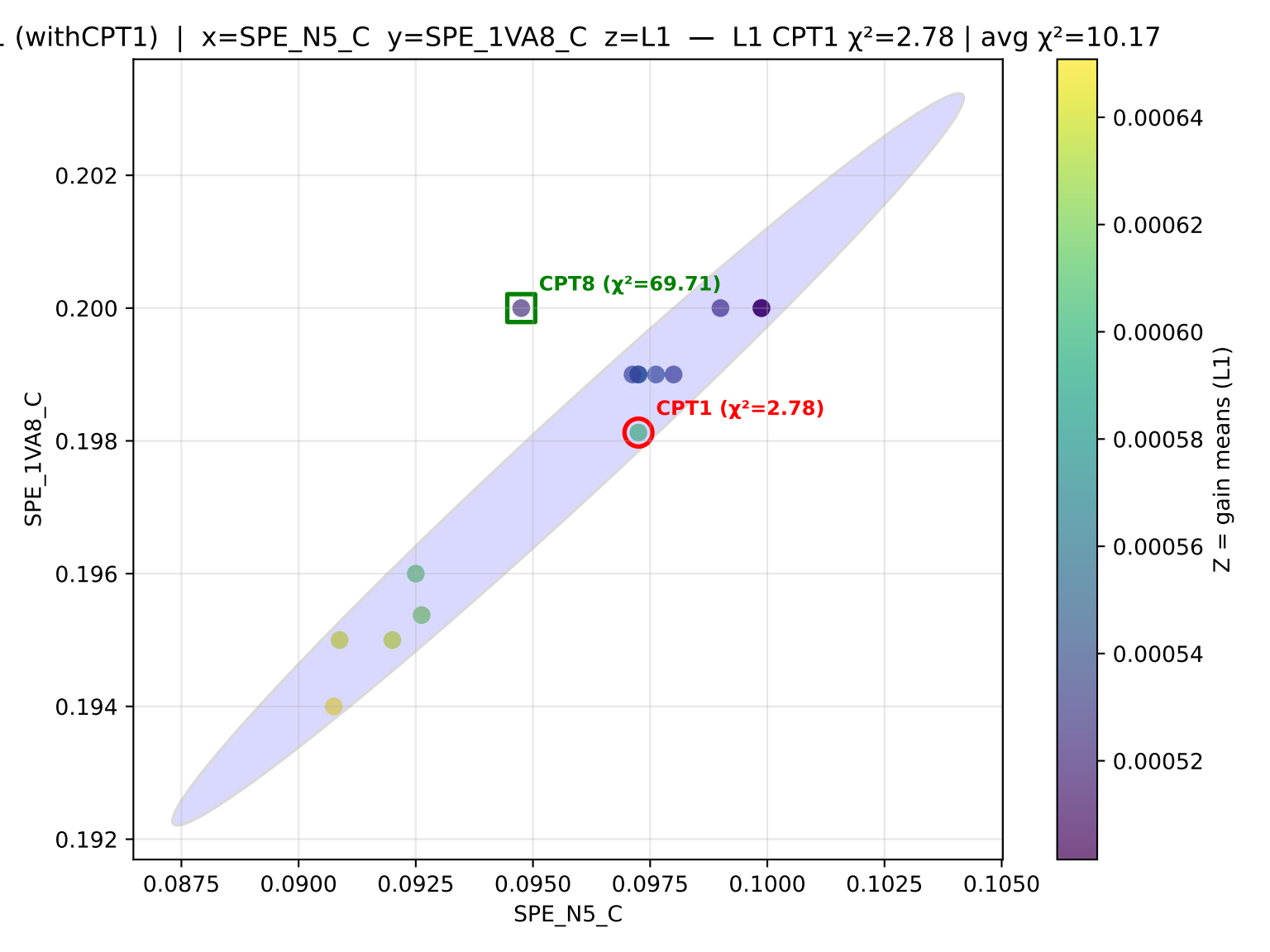

0 (withCPT1) | x=SPE_N5_C y=SPE_1VA8_C z=H0 — H0 CPT1 χ²=13.37 | avg χ²=10.17
CPT1 (χ²=13.37)
CPT8 (
42.93)
SPE_1VA8_C
SPE_N5_C
Z = gain means (H0)
0.202
0.200
0.198
0.196
0.194
0.192
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.100
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

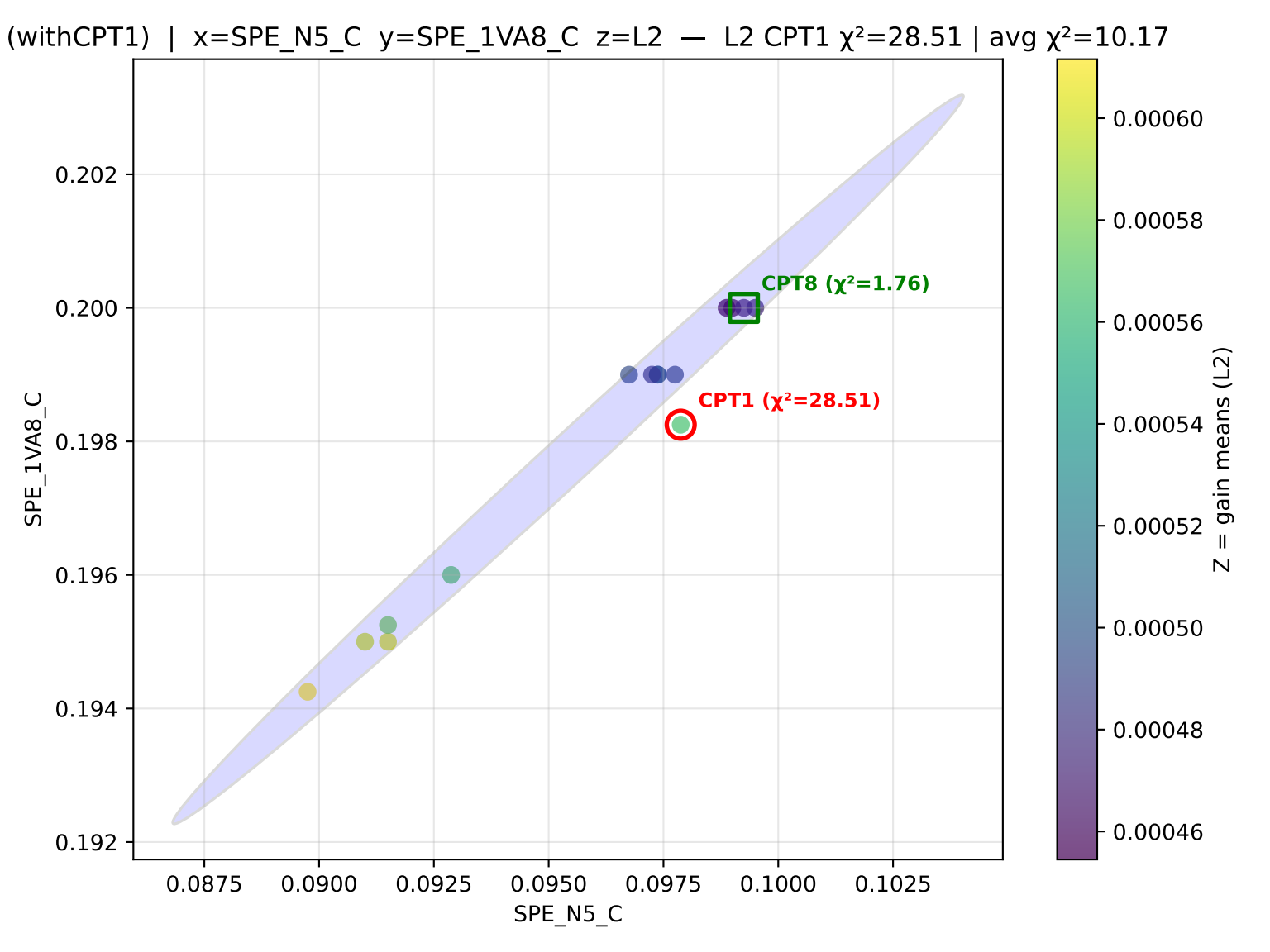

(withCPT1) | x=SPE_N5_C y=SPE_1VA8_C z=H1 — H1 CPT1 χ²=21.18 | avg χ²=10.17
CPT1 (χ²=21.18)
CPT8 (χ
616.15)
SPE_1VA8_C
SPE_N5_C
Z = gain means (H1)
0.202
0.200
0.198
0.196
0.194
0.192
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

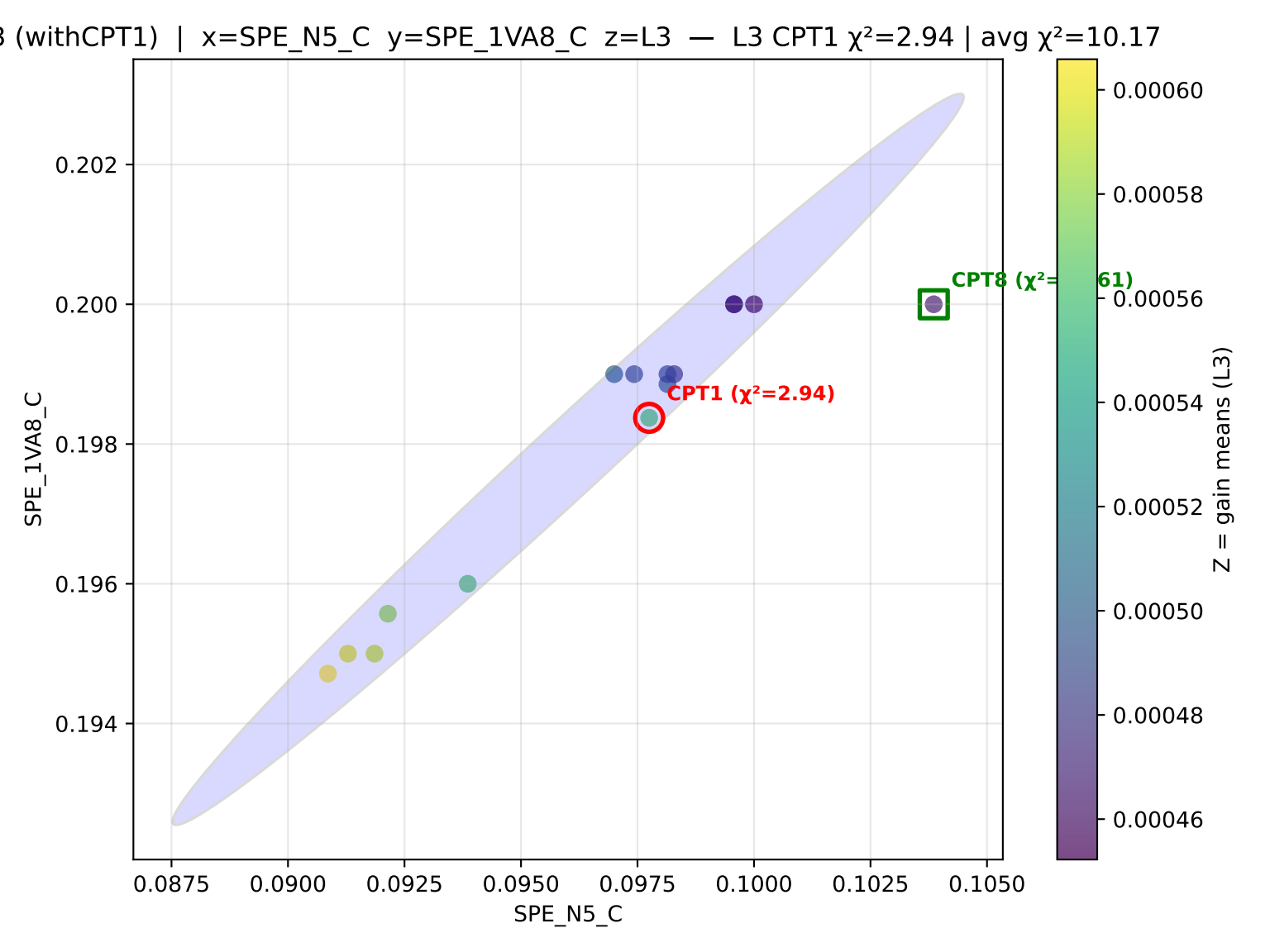

2 (withCPT1) | x=SPE_N5_C y=SPE_1VA8_C z=H2 — H2 CPT1 χ²=13.24 | avg χ²=10.17
CPT1 (χ²=13.24)
CPT8 (χ
.829.72)
SPE_1VA8_C
SPE_N5_C
Z = gain means (H2)
0.202
0.200
0.198
0.196
0.194
0.192
0.085
0.090
0.095
0.100
0.105
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10

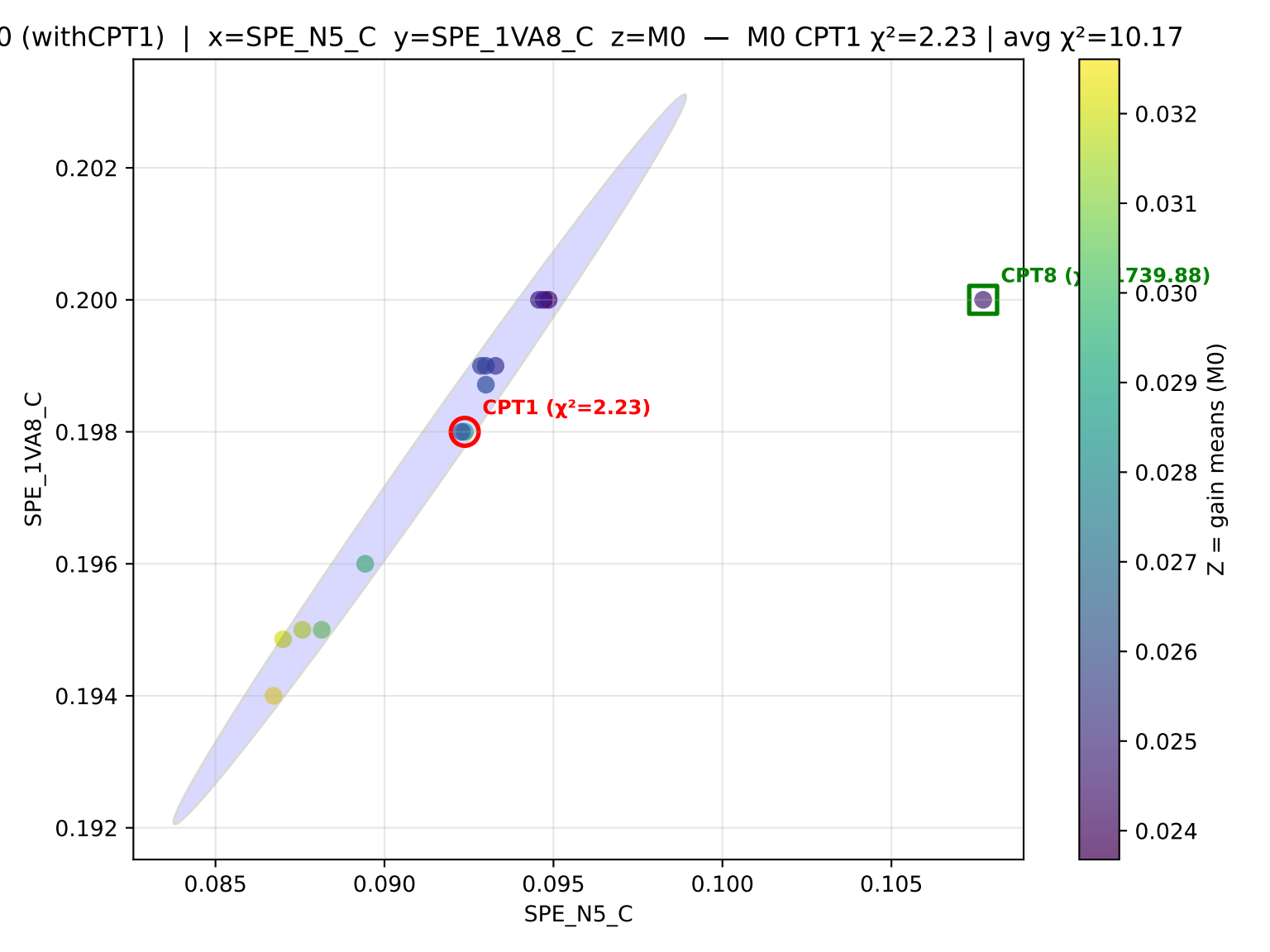

3 (withCPT1) | x=SPE_N5_C y=SPE_1VA8_C z=H3 — H3 CPT1 χ²=8.59 | avg χ²=10.17
CPT1 (χ²=8.59)
CPT8 (χ
68.35)
SPE_1VA8_C
SPE_N5_C
Z = gain means (H3)
0.202
0.200
0.198
0.196
0.194
0.192
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
1.30
1.25
1.20
1.15
1.10
1.05
1.00

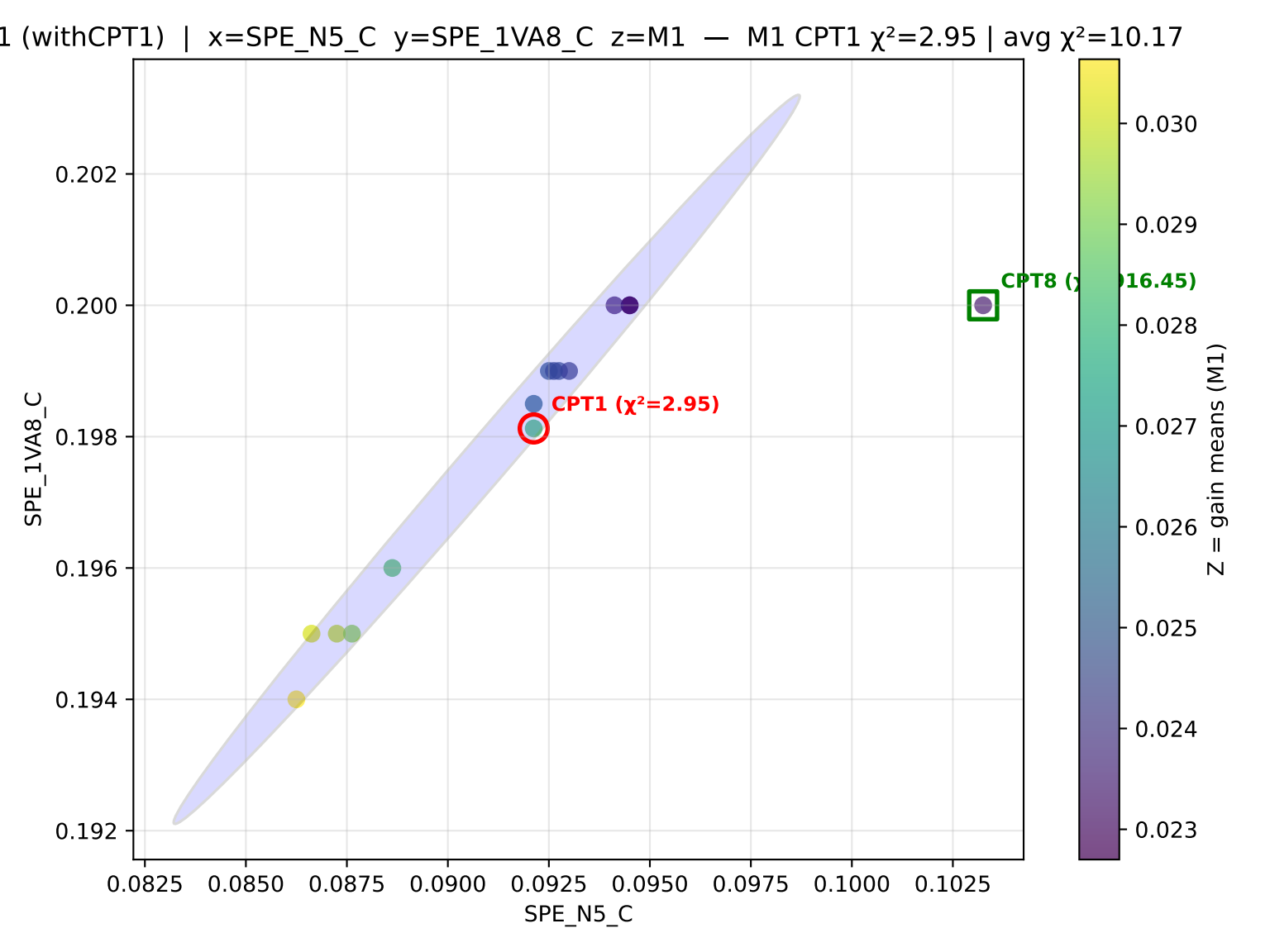

(withCPT1) | x=SPE_N5_C y=SPE_1VA8_C z=L0 — L0 CPT1 χ²=11.05 | avg χ²=10.17
CPT8 (χ²=226.84)
CPT1 (χ²=11.05)
SPE_1VA8_C
SPE_N5_C
Z = gain means (L0)
0.202
0.200
0.198
0.196
0.194
0.192
0.088
0.090
0.092
0.094
0.096
0.098
0.100
0.102
0.104
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

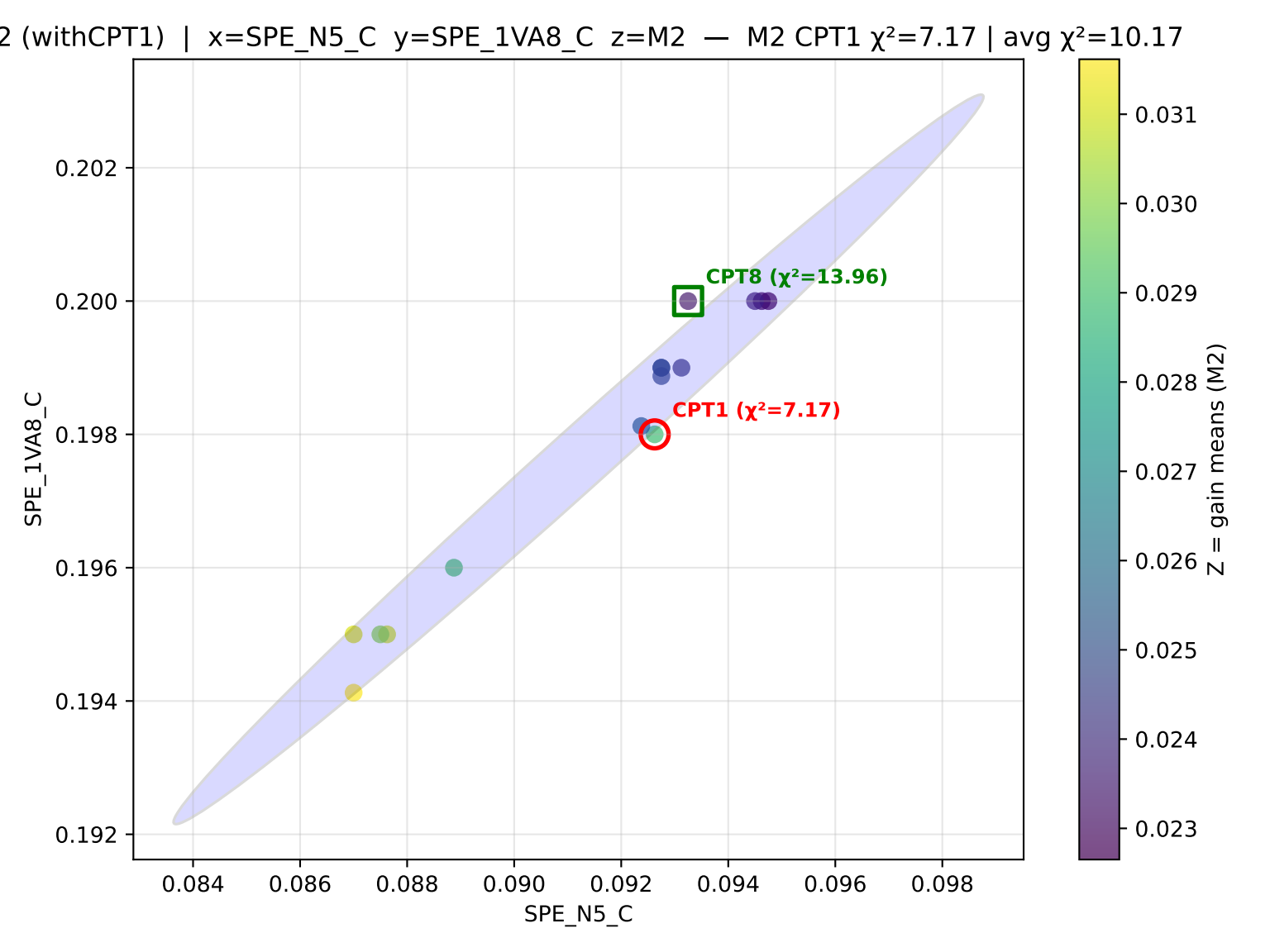

L (withCPT1) | x=SPE_N5_C y=SPE_1VA8_C z=L1 — L1 CPT1 χ²=2.78 | avg χ²=10.17
CPT8 (χ²=69.71)
CPT1 (χ²=2.78)
SPE_1VA8_C
SPE_N5_C
Z = gain means (L1)
0.202
0.200
0.198
0.196
0.194
0.192
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.1050
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052

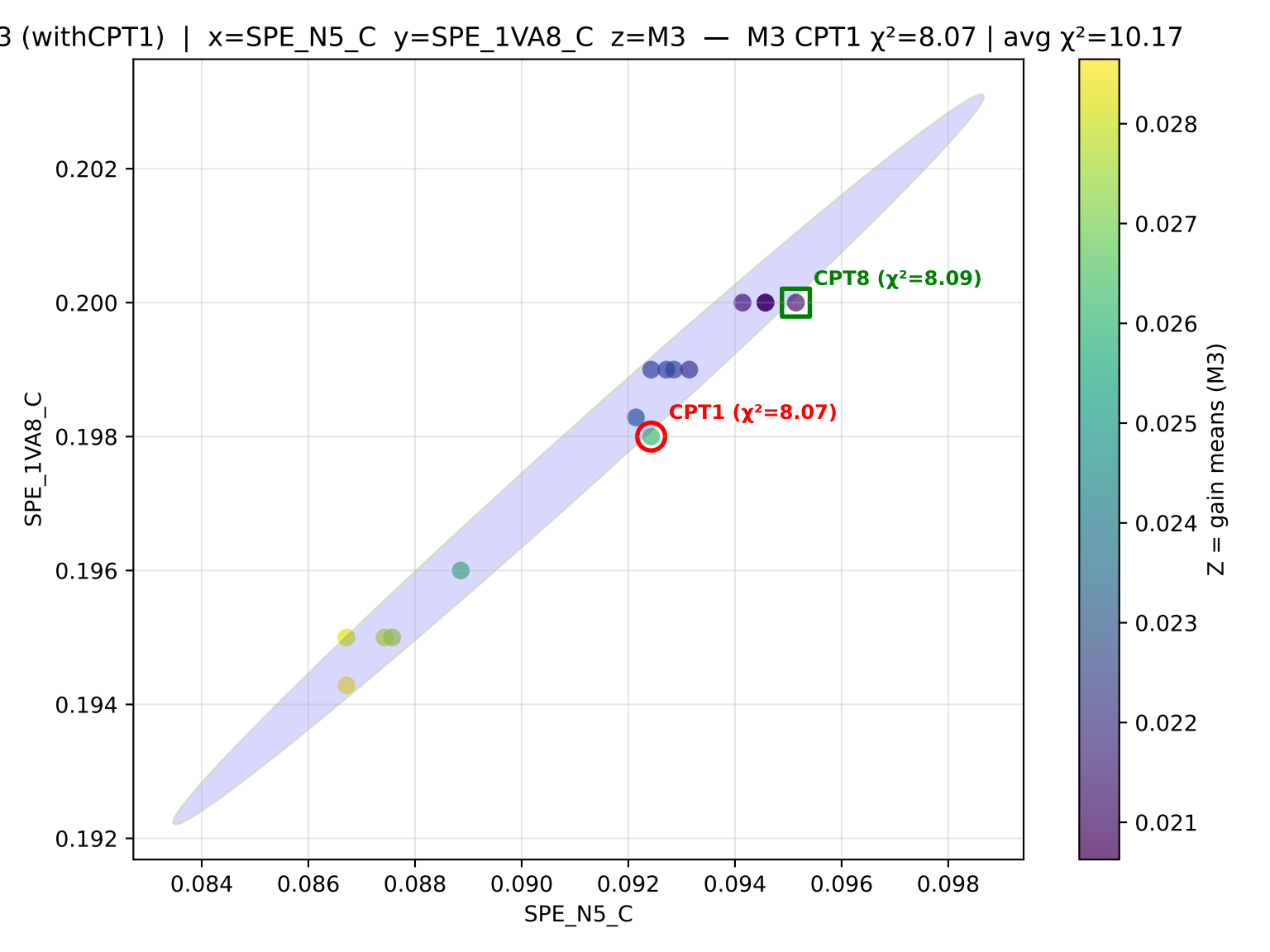

(withCPT1) | x=SPE_N5_C y=SPE_1VA8_C z=L2 — L2 CPT1 χ²=28.51 | avg χ²=10.17
CPT8 (χ²=1.76)
CPT1 (χ²=28.51)
SPE_1VA8_C
SPE_N5_C
Z = gain means (L2)
0.202
0.200
0.198
0.196
0.194
0.192
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


3 (withCPT1) | x=SPE_N5_C y=SPE_1VA8_C z=L3 — L3 CPT1 χ²=2.94 | avg χ²=10.17
CPT8 (χ²= 61)
CPT1 (χ²=2.94)
SPE_1VA8_C
SPE_N5_C
Z = gain means (L3)
0.202
0.200
0.198
0.196
0.194
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.1050
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


0 (withCPT1) | x=SPE_N5_C y=SPE_1VA8_C z=M0 — M0 CPT1 χ²=2.23 | avg χ²=10.17
CPT1 (χ²=2.23)
CPT8 (
739.88)
SPE_1VA8_C
SPE_N5_C
Z = gain means (M0)
0.202
0.200
0.198
0.196
0.194
0.192
0.085
0.090
0.095
0.100
0.105
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

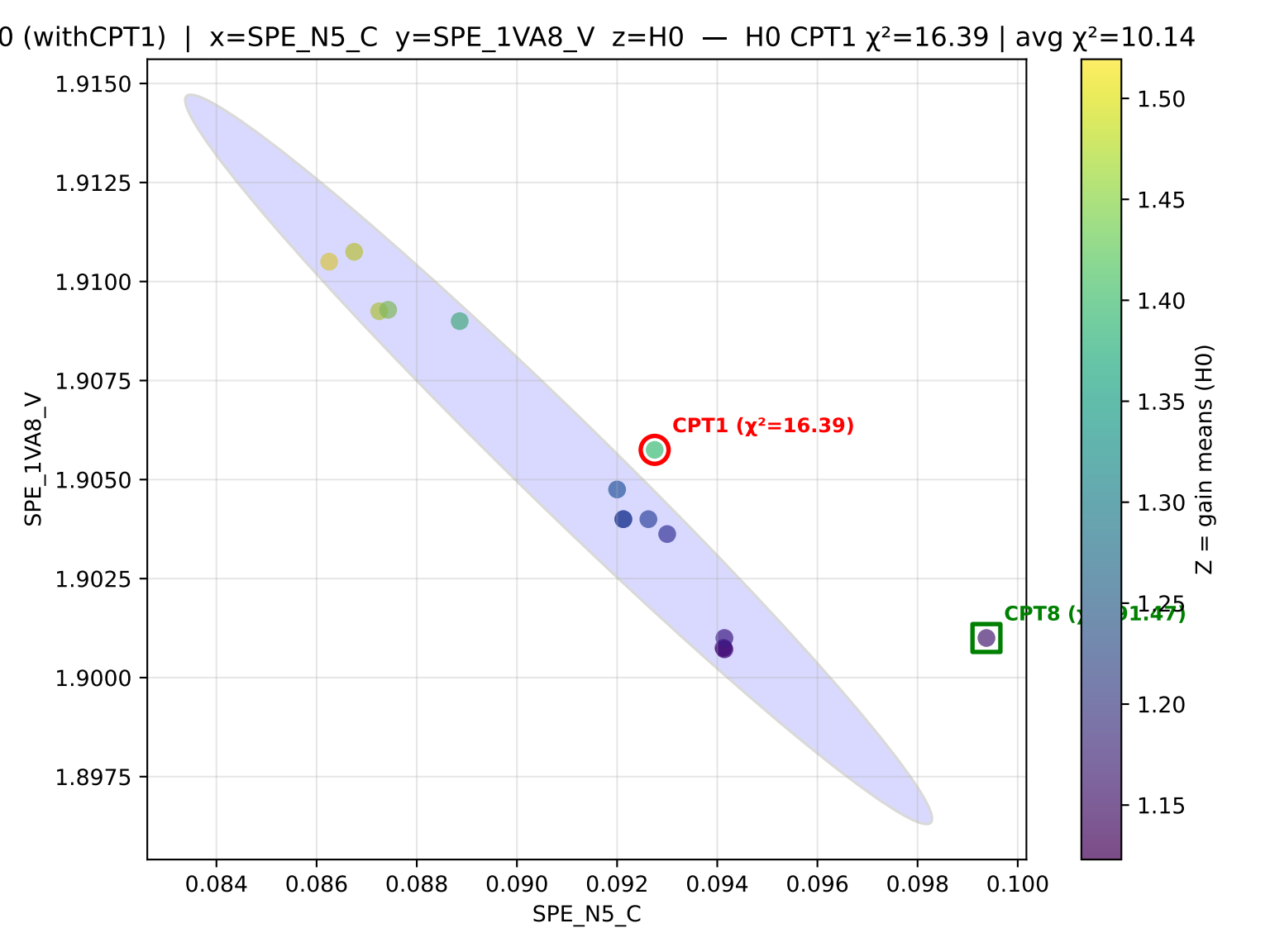

1 (withCPT1) | x=SPE_N5_C y=SPE_1VA8_C z=M1 — M1 CPT1 χ²=2.95 | avg χ²=10.17
CPT1 (χ²=2.95)
CPT8 (χ
16.45)
SPE_1VA8_C
SPE_N5_C
Z = gain means (M1)
0.202
0.200
0.198
0.196
0.194
0.192
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

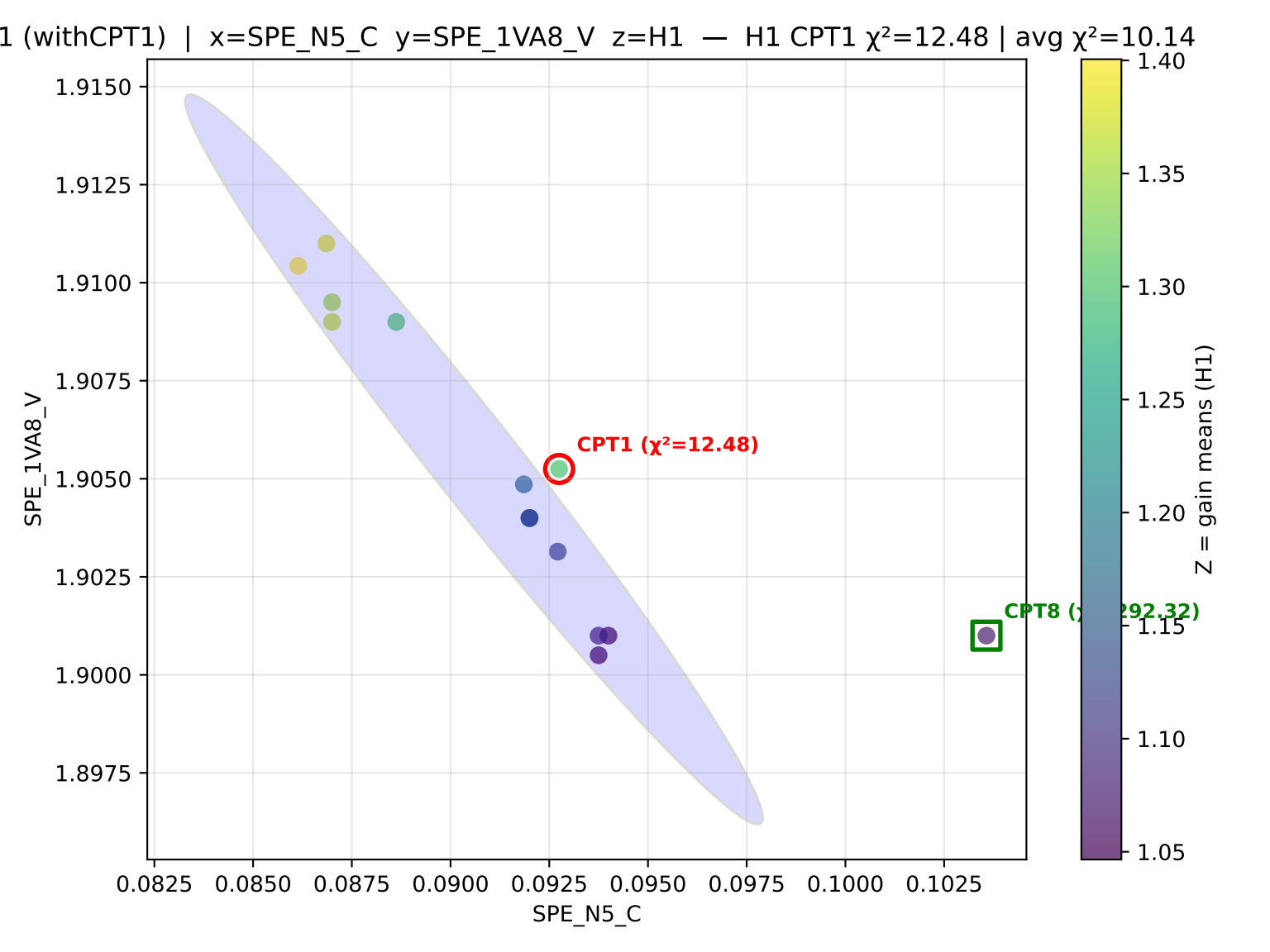

2 (withCPT1) | x=SPE_N5_C y=SPE_1VA8_C z=M2 — M2 CPT1 χ²=7.17 | avg χ²=10.17
CPT8 (χ²=13.96)
CPT1 (χ²=7.17)
SPE_1VA8_C
SPE_N5_C
Z = gain means (M2)
0.202
0.200
0.198
0.196
0.194
0.192
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

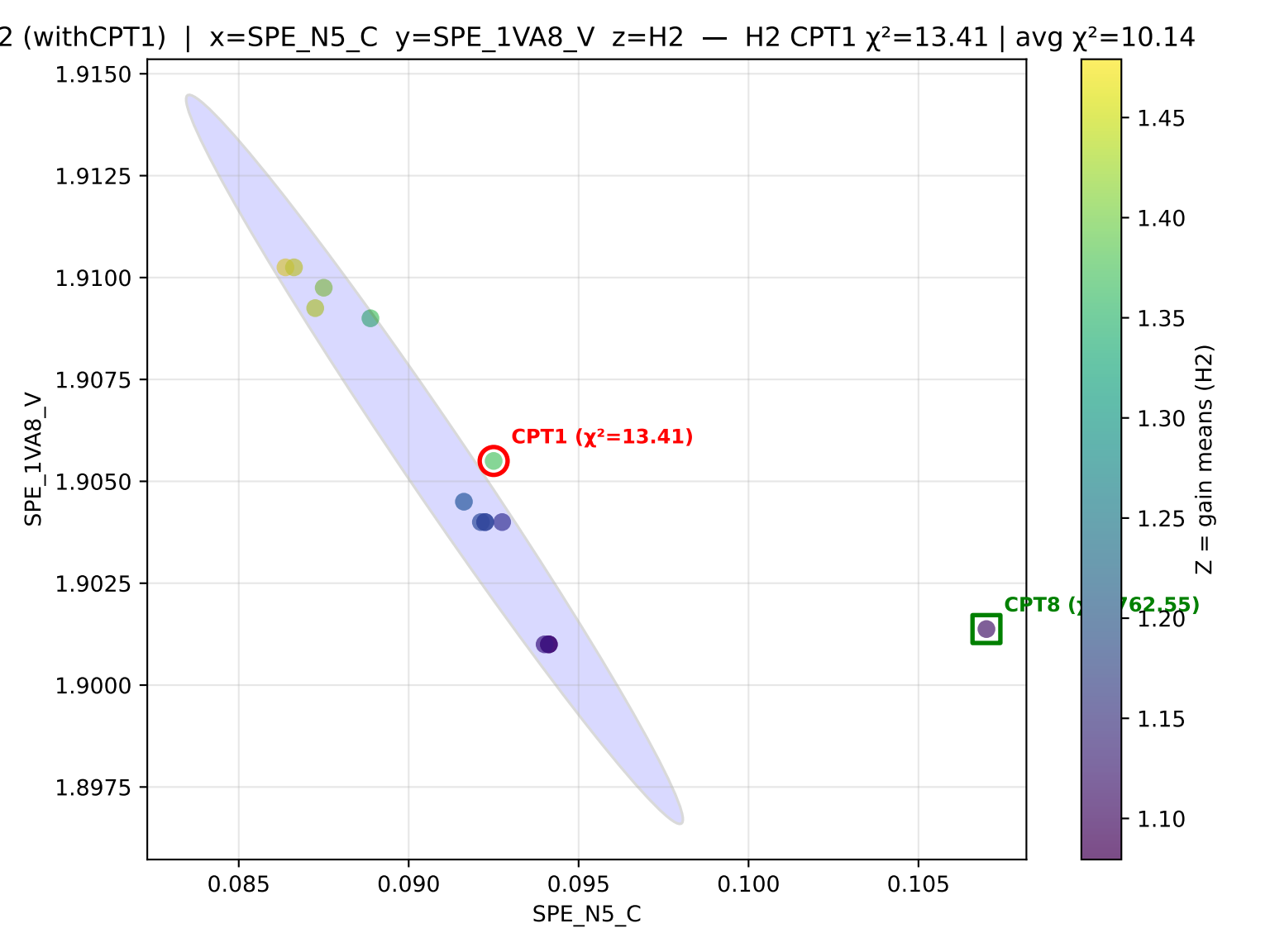

3 (withCPT1) | x=SPE_N5_C y=SPE_1VA8_C z=M3 — M3 CPT1 χ²=8.07 | avg χ²=10.17
CPT8 (χ²=8.09)
CPT1 (χ²=8.07)
SPE_1VA8_C
SPE_N5_C
Z = gain means (M3)
0.202
0.200
0.198
0.196
0.194
0.192
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

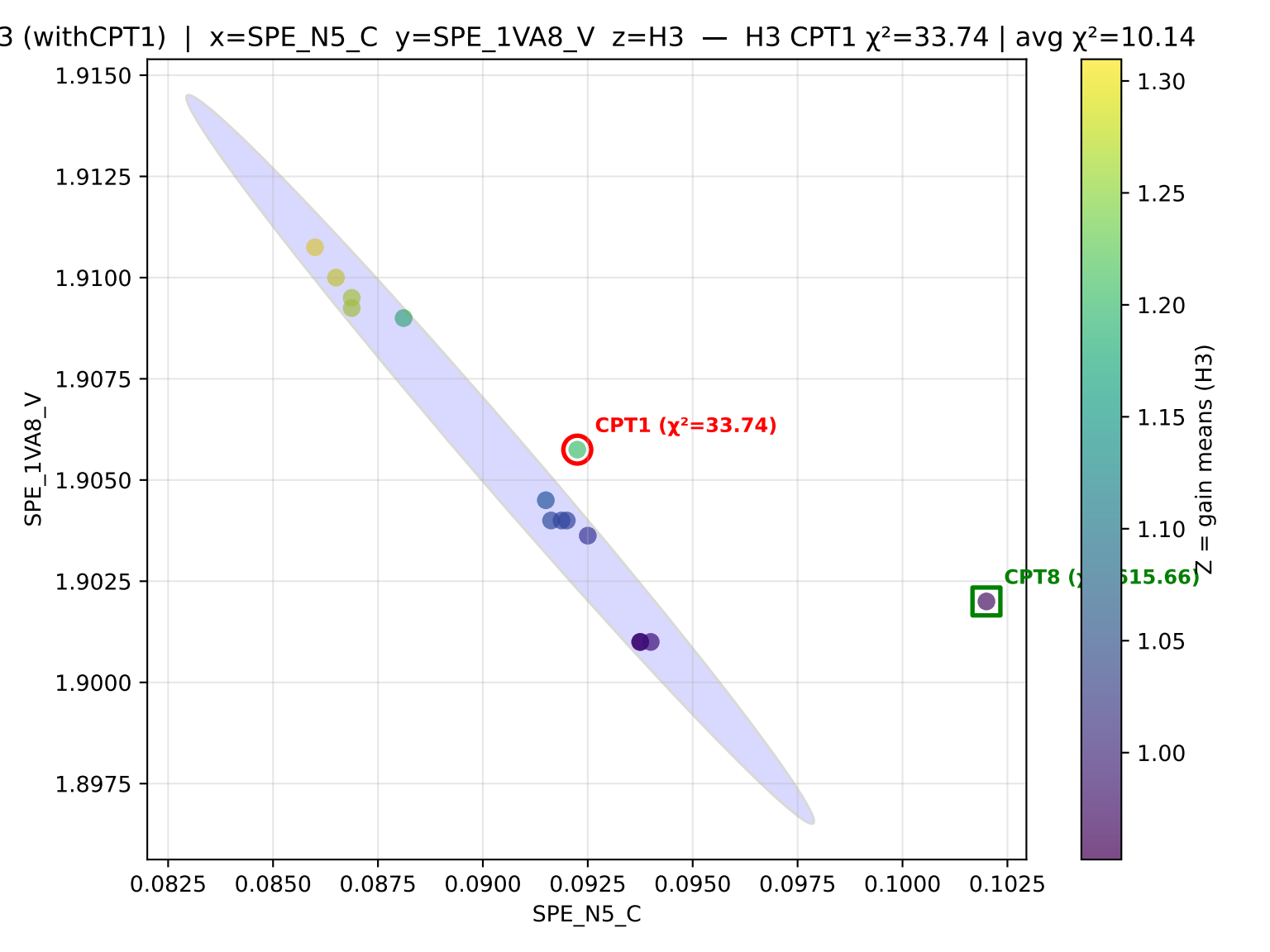
Pair: SPE_N5_C vs SPE_1VA8_V

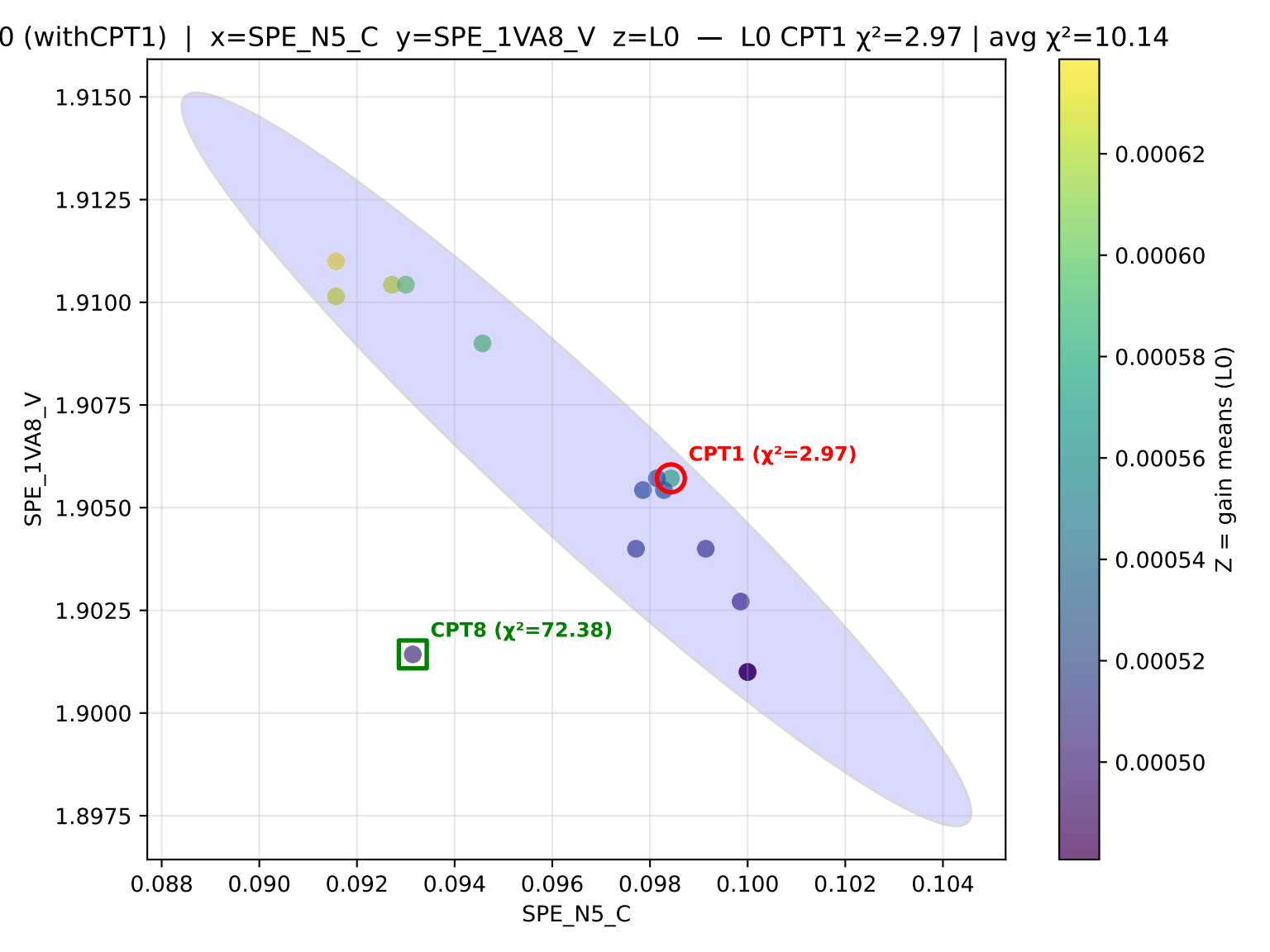
Average χ^2(CPT1) across settings: 10.14

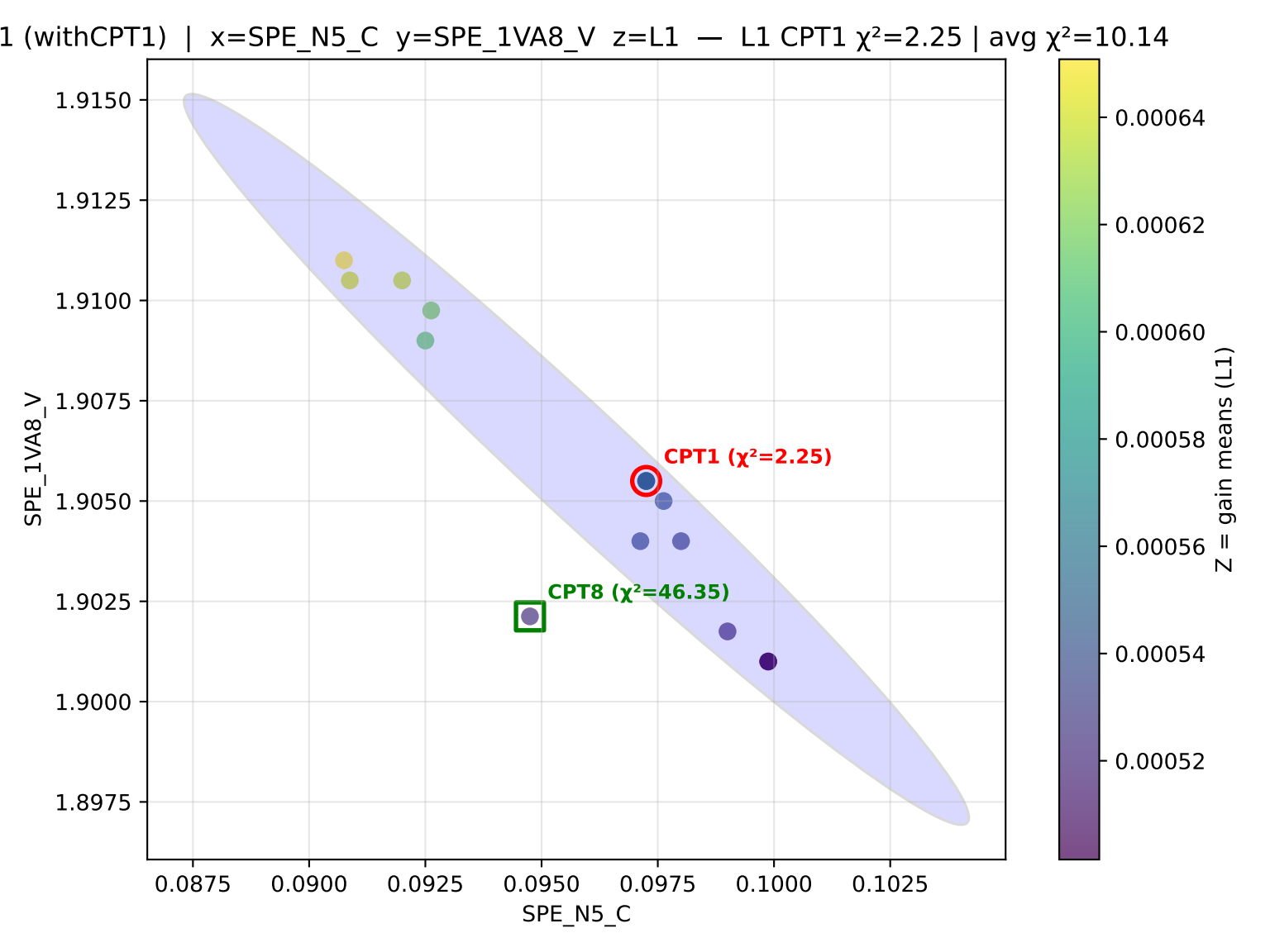

0 (withCPT1) | x=SPE_N5_C y=SPE_1VA8_V z=H0 — H0 CPT1 χ²=16.39 | avg χ²=10.14
CPT1 (χ²=16.39)
CPT8 (χ
1.47)
SPE_1VA8_V
SPE_N5_C
Z = gain means (H0)
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.100
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

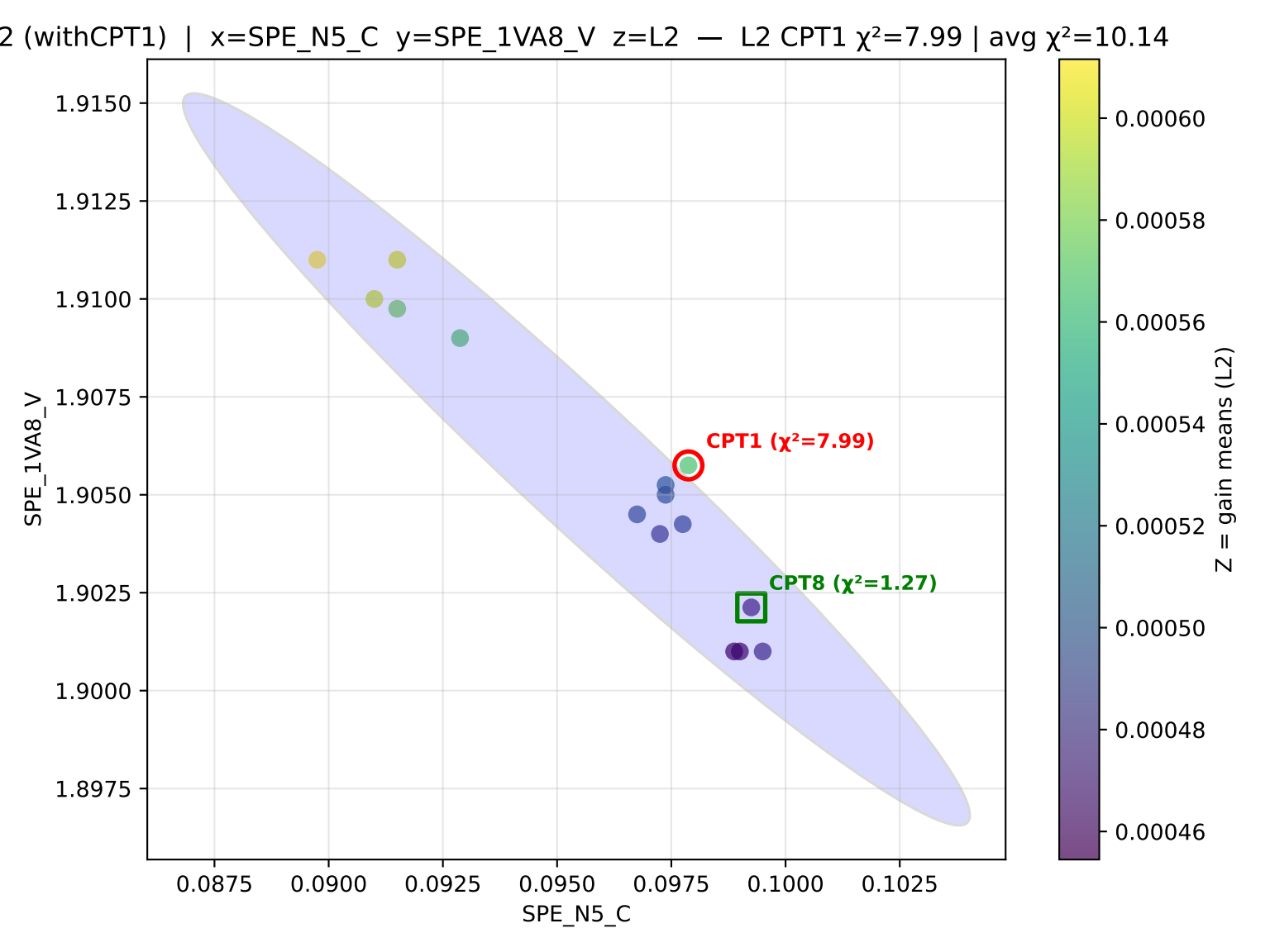

1 (withCPT1) | x=SPE_N5_C y=SPE_1VA8_V z=H1 — H1 CPT1 χ²=12.48 | avg χ²=10.14
CPT1 (χ²=12.48)
CPT8 (χ
292.32)
SPE_1VA8_V
SPE_N5_C
Z = gain means (H1)
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

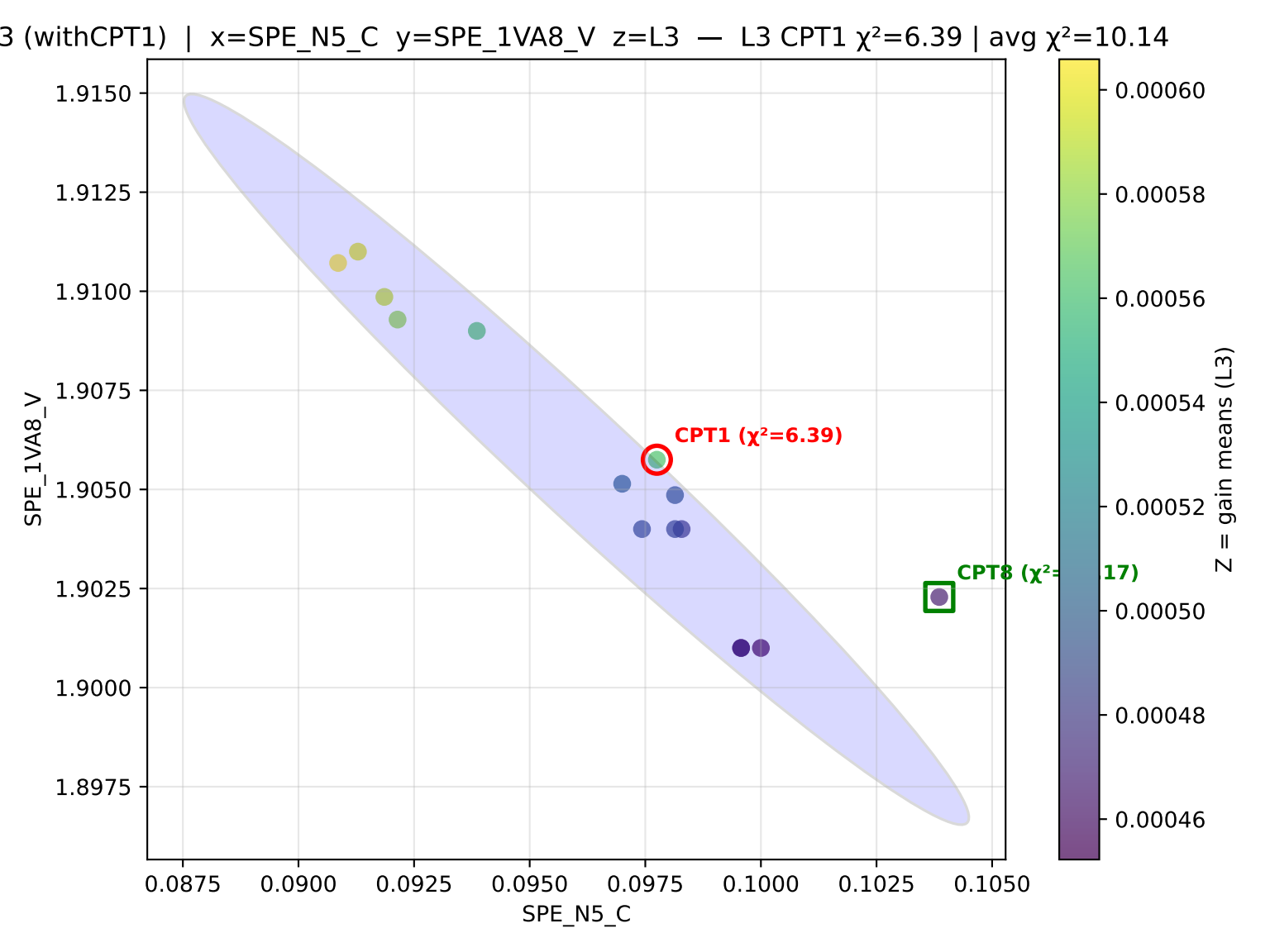

2 (withCPT1) | x=SPE_N5_C y=SPE_1VA8_V z=H2 — H2 CPT1 χ²=13.41 | avg χ²=10.14
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
SPE_1VA8_V
CPT1 (χ²=13.41)
CPT8 (χ
762.55)
0.085
0.090
0.095
0.100
0.105
SPE_N5_C
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10
Z = gain means (H2)

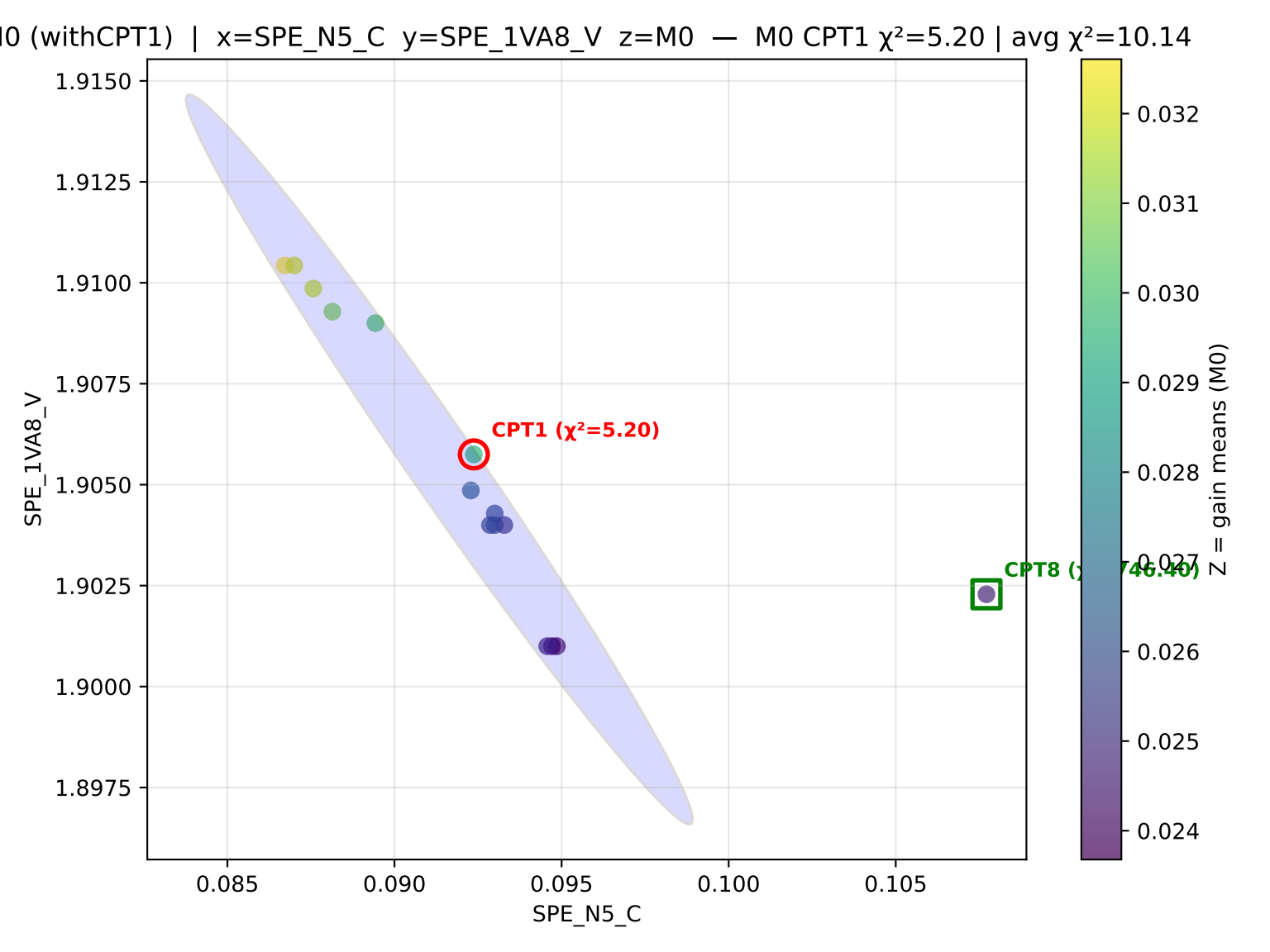

3 (withCPT1) | x=SPE_N5_C y=SPE_1VA8_V z=H3 — H3 CPT1 χ²=33.74 | avg χ²=10.14
CPT1 (χ²=33.74)
CPT8 (χ
615.66)
SPE_1VA8_V
SPE_N5_C
Z = gain means (H3)
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
1.30
1.25
1.20
1.15
1.10
1.05
1.00

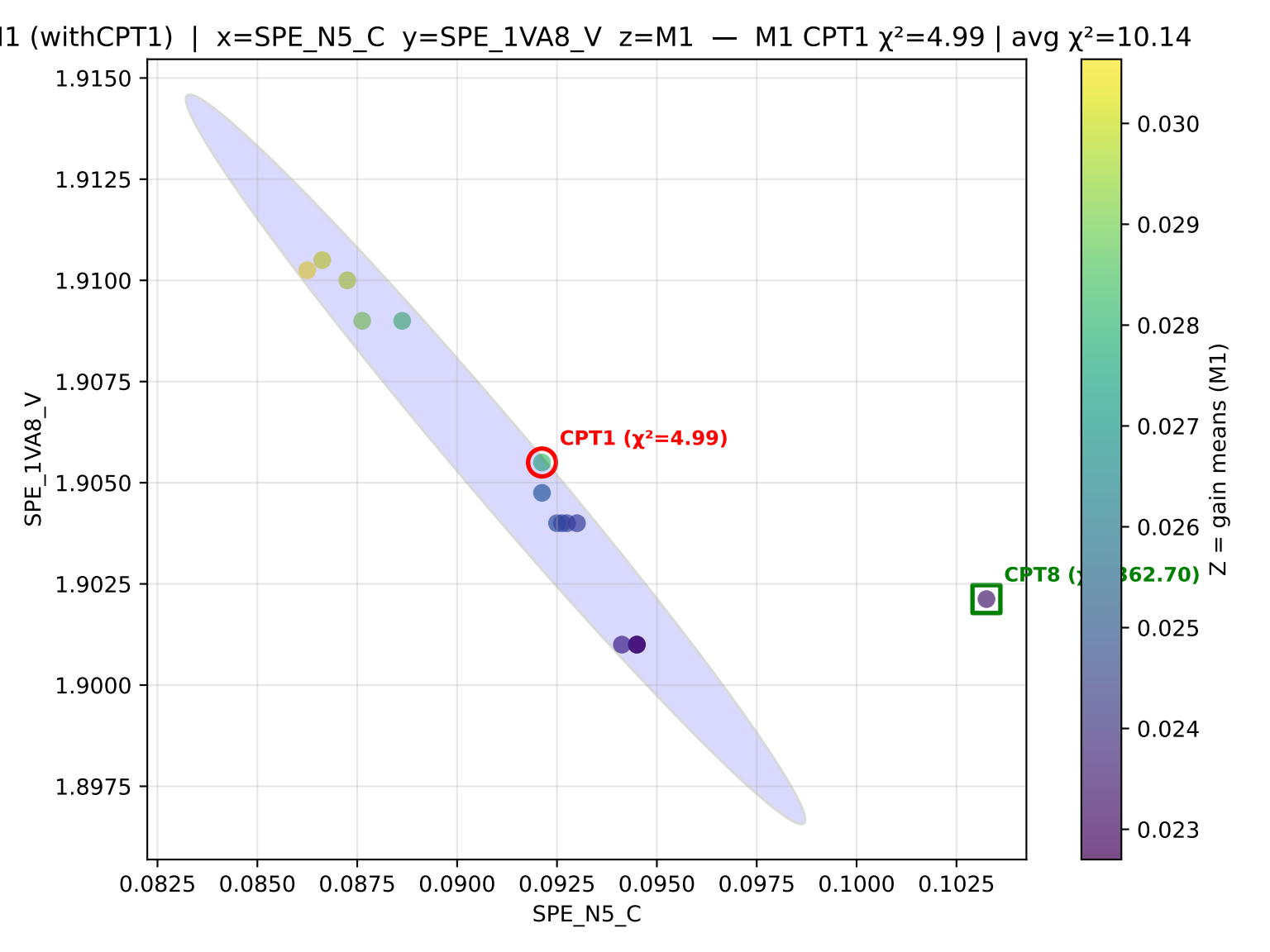

0 (withCPT1) | x=SPE_N5_C y=SPE_1VA8_V z=L0 — L0 CPT1 χ²=2.97 | avg χ²=10.14
CPT1 (χ²=2.97)
CPT8 (χ²=72.38)
SPE_1VA8_V
SPE_N5_C
Z = gain means (L0)
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
0.088
0.090
0.092
0.094
0.096
0.098
0.100
0.102
0.104
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

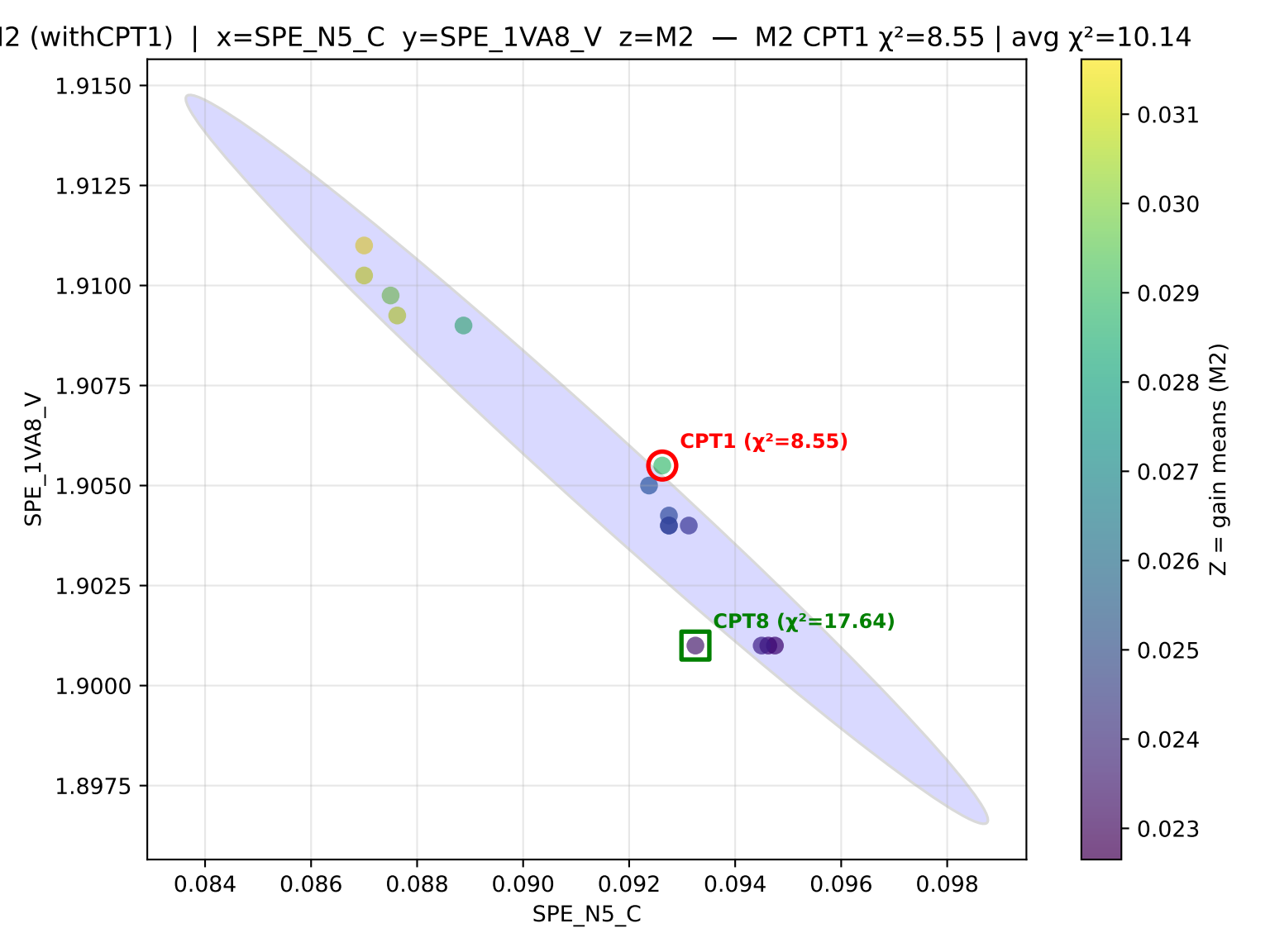

1 (withCPT1) | x=SPE_N5_C y=SPE_1VA8_V z=L1 — L1 CPT1 χ²=2.25 | avg χ²=10.14
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
SPE_1VA8_V
CPT1 (χ²=2.25)
CPT8 (χ²=46.35)
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
SPE_N5_C
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
Z = gain means (L1)

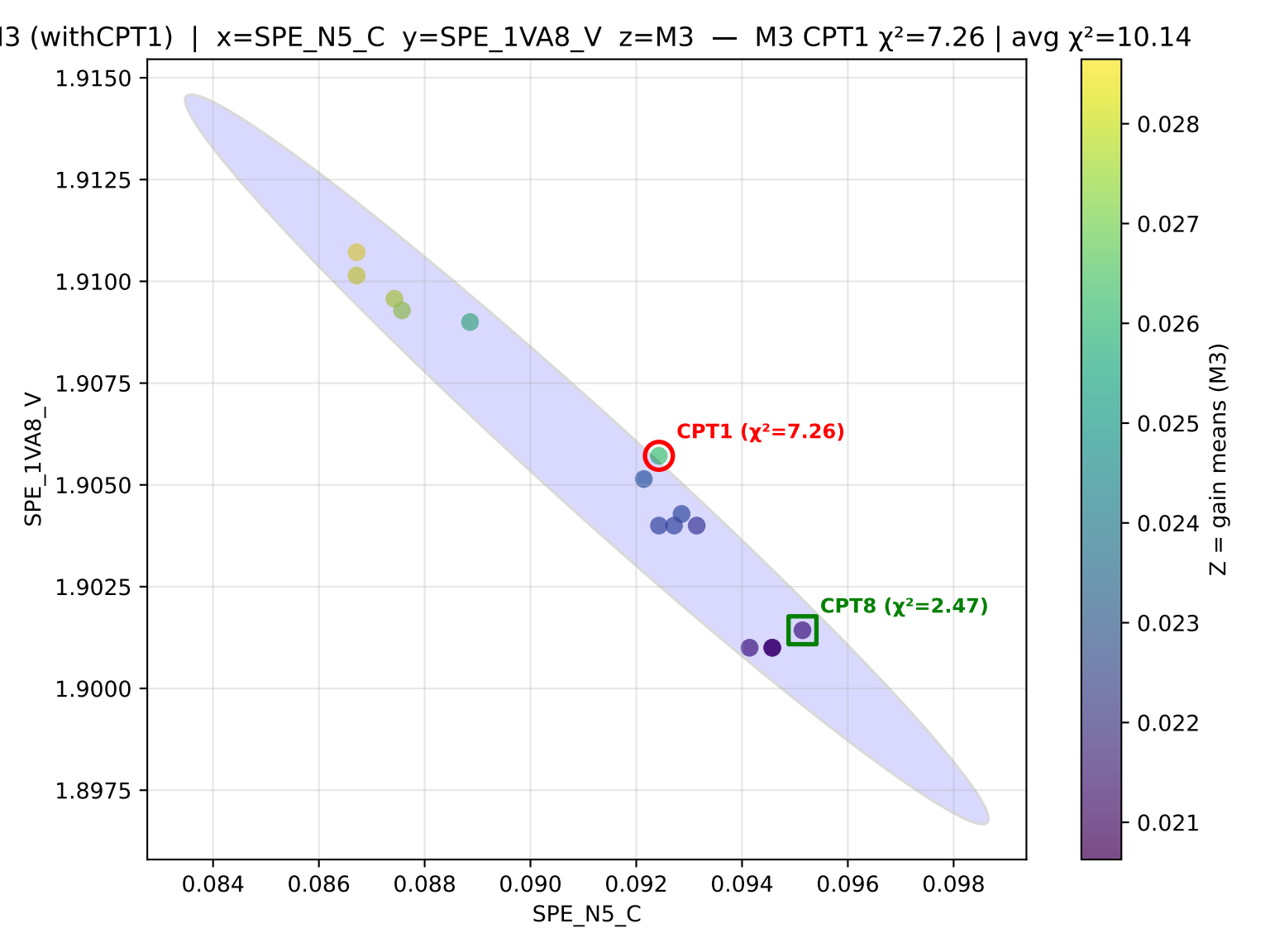

2 (withCPT1) | x=SPE_N5_C y=SPE_1VA8_V z=L2 — L2 CPT1 χ²=7.99 | avg χ²=10.14
CPT1 (χ²=7.99)
CPT8 (χ²=1.27)
SPE_1VA8_V
SPE_N5_C
Z = gain means (L2)
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


3 (withCPT1) | x=SPE_N5_C y=SPE_1VA8_V z=L3 — L3 CPT1 χ²=6.39 | avg χ²=10.14
CPT1 (χ²=6.39)
CPT8 (χ²= 17)
SPE_1VA8_V
SPE_N5_C
Z = gain means (L3)
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.1050
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


M0 (withCPT1) | x=SPE_N5_C y=SPE_1VA8_V z=M0 — M0 CPT1 χ²=5.20 | avg χ²=10.14
CPT1 (χ²=5.20)
CPT8 (χ
746.40)
SPE_1VA8_V
SPE_N5_C
Z = gain means (M0)
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
0.085
0.090
0.095
0.100
0.105
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

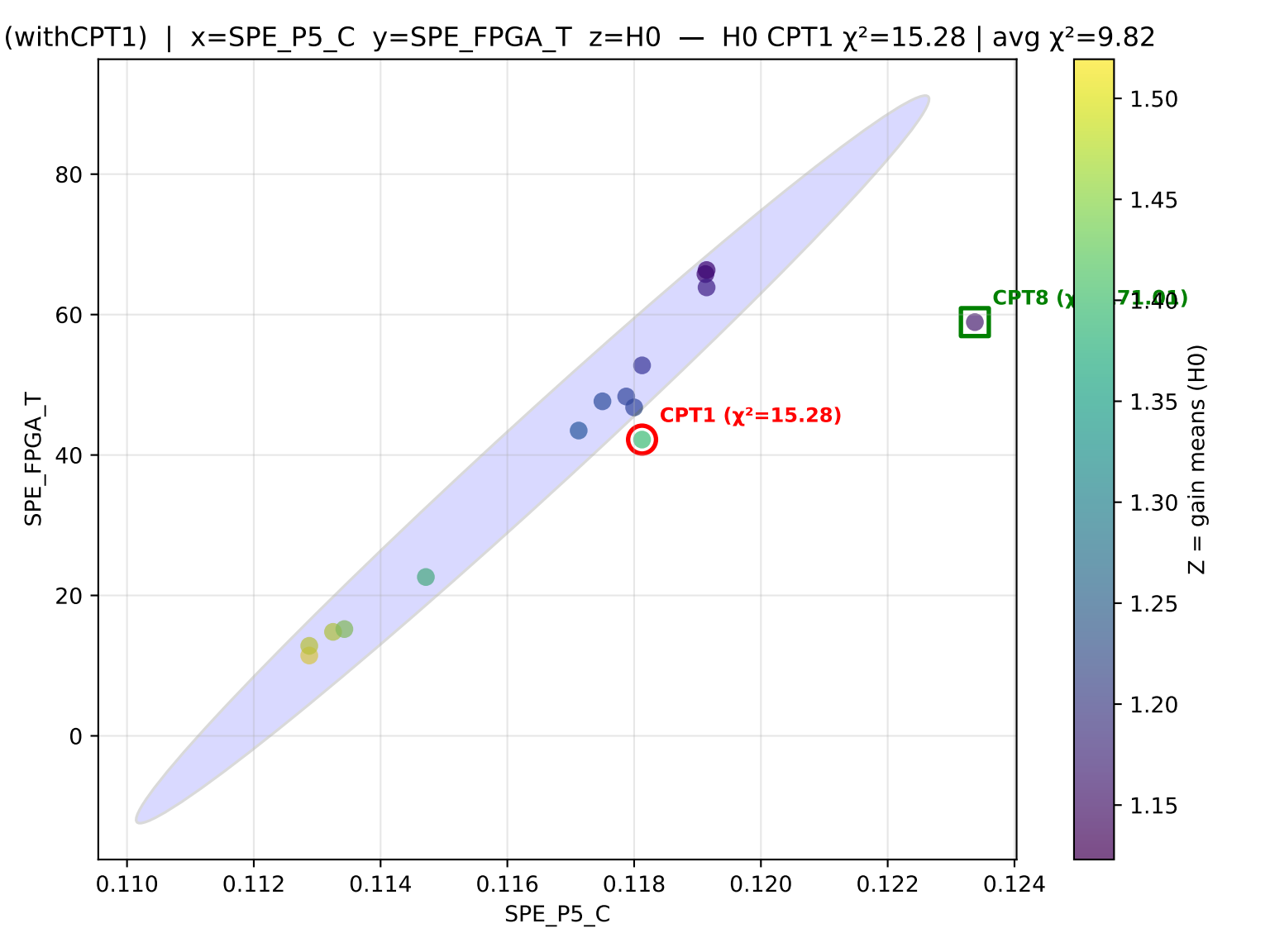

M1 (withCPT1) | x=SPE_N5_C y=SPE_1VA8_V z=M1 — M1 CPT1 χ²=4.99 | avg χ²=10.14
SPE_1VA8_V
SPE_N5_C
Z = gain means (M1)
CPT1 (χ²=4.99)
CPT8 (χ²=362.70)
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

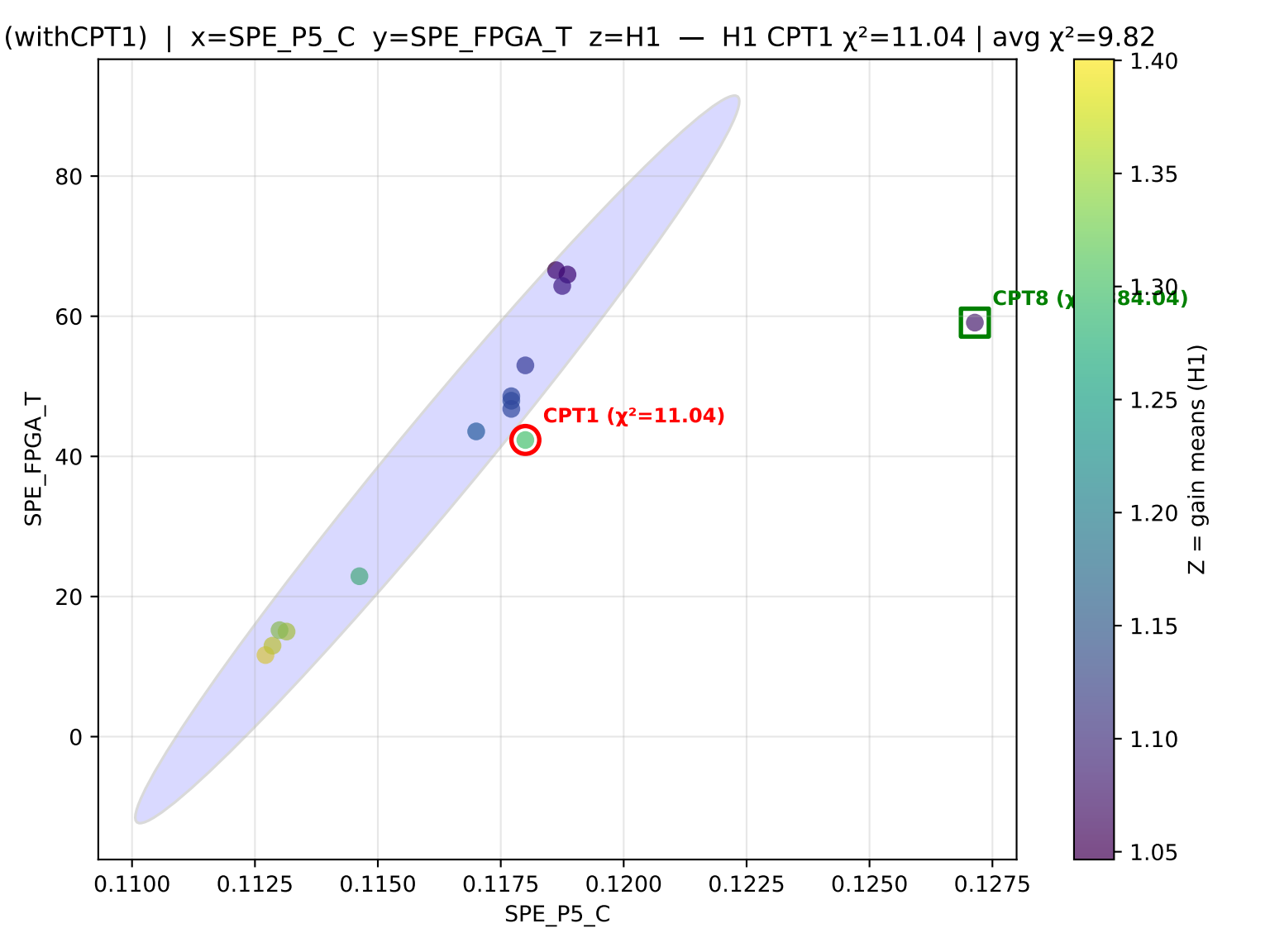

M2 (withCPT1) | x=SPE_N5_C y=SPE_1VA8_V z=M2 — M2 CPT1 χ²=8.55 | avg χ²=10.14
CPT1 (χ²=8.55)
CPT8 (χ²=17.64)
SPE_1VA8_V
SPE_N5_C
Z = gain means (M2)
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

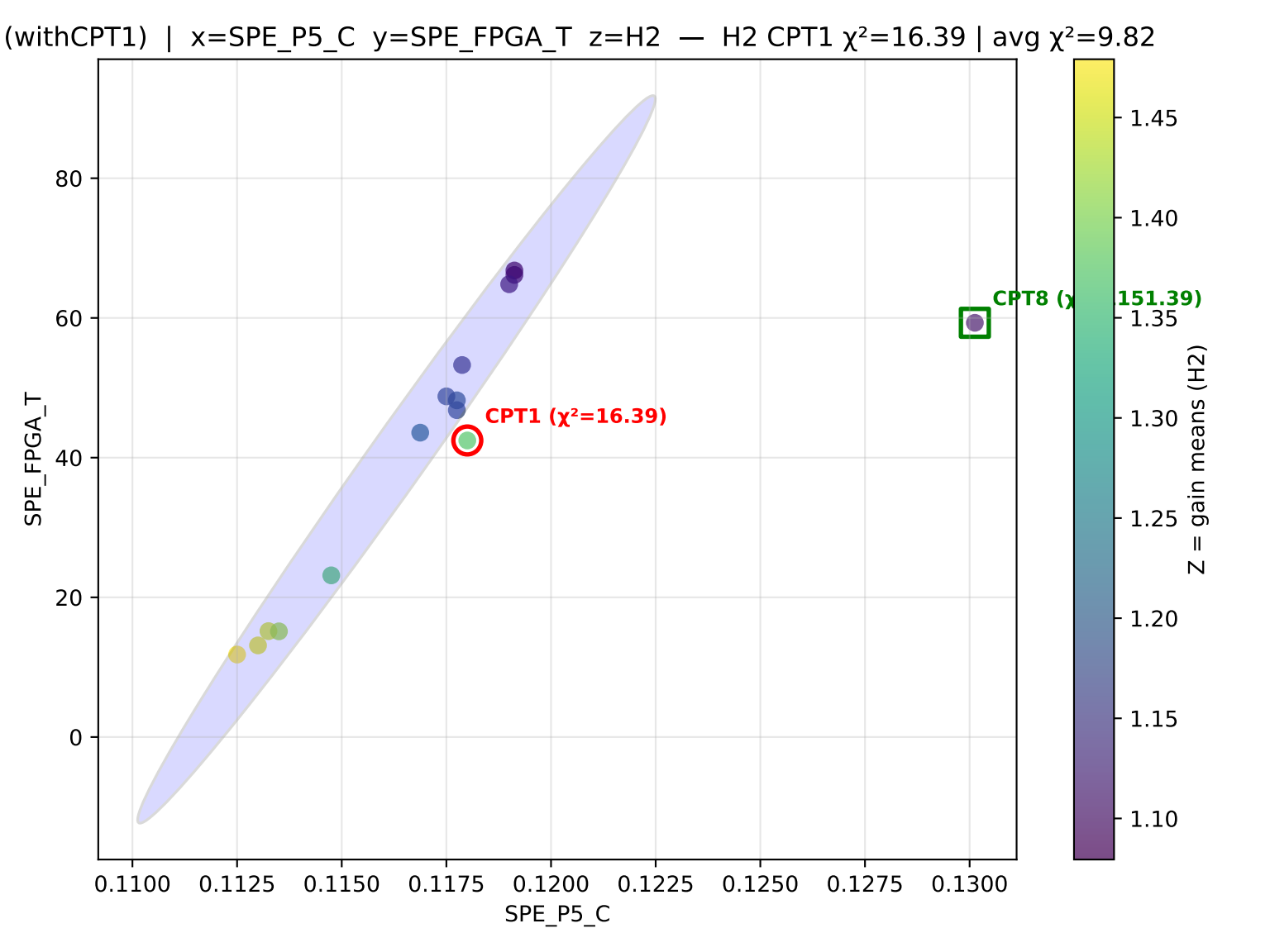

M3 (withCPT1) | x=SPE_N5_C y=SPE_1VA8_V z=M3 — M3 CPT1 χ²=7.26 | avg χ²=10.14
CPT1 (χ²=7.26)
CPT8 (χ²=2.47)
SPE_1VA8_V
SPE_N5_C
Z = gain means (M3)
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

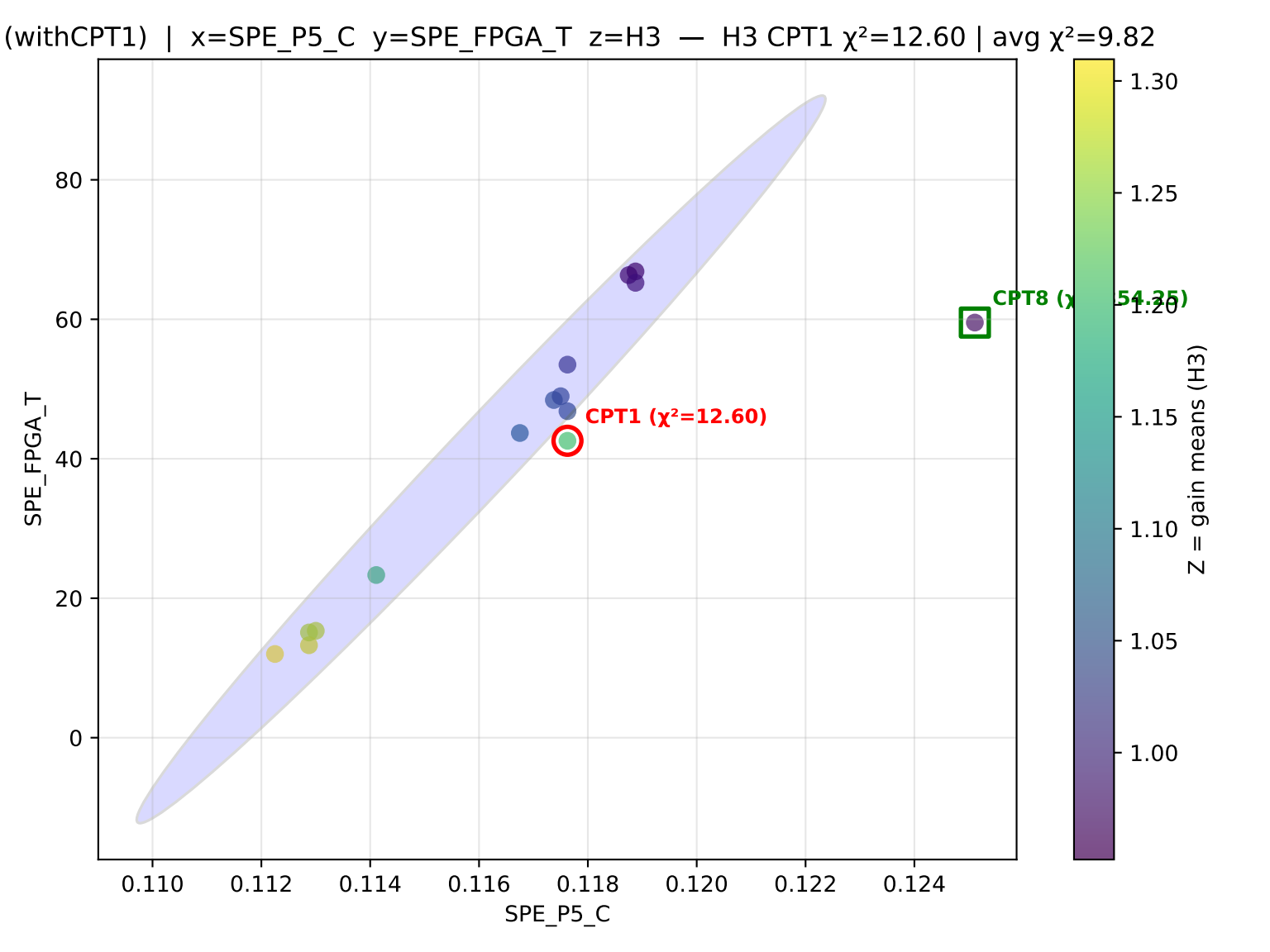
Pair: SPE_P5_C vs SPE_FPGA_T

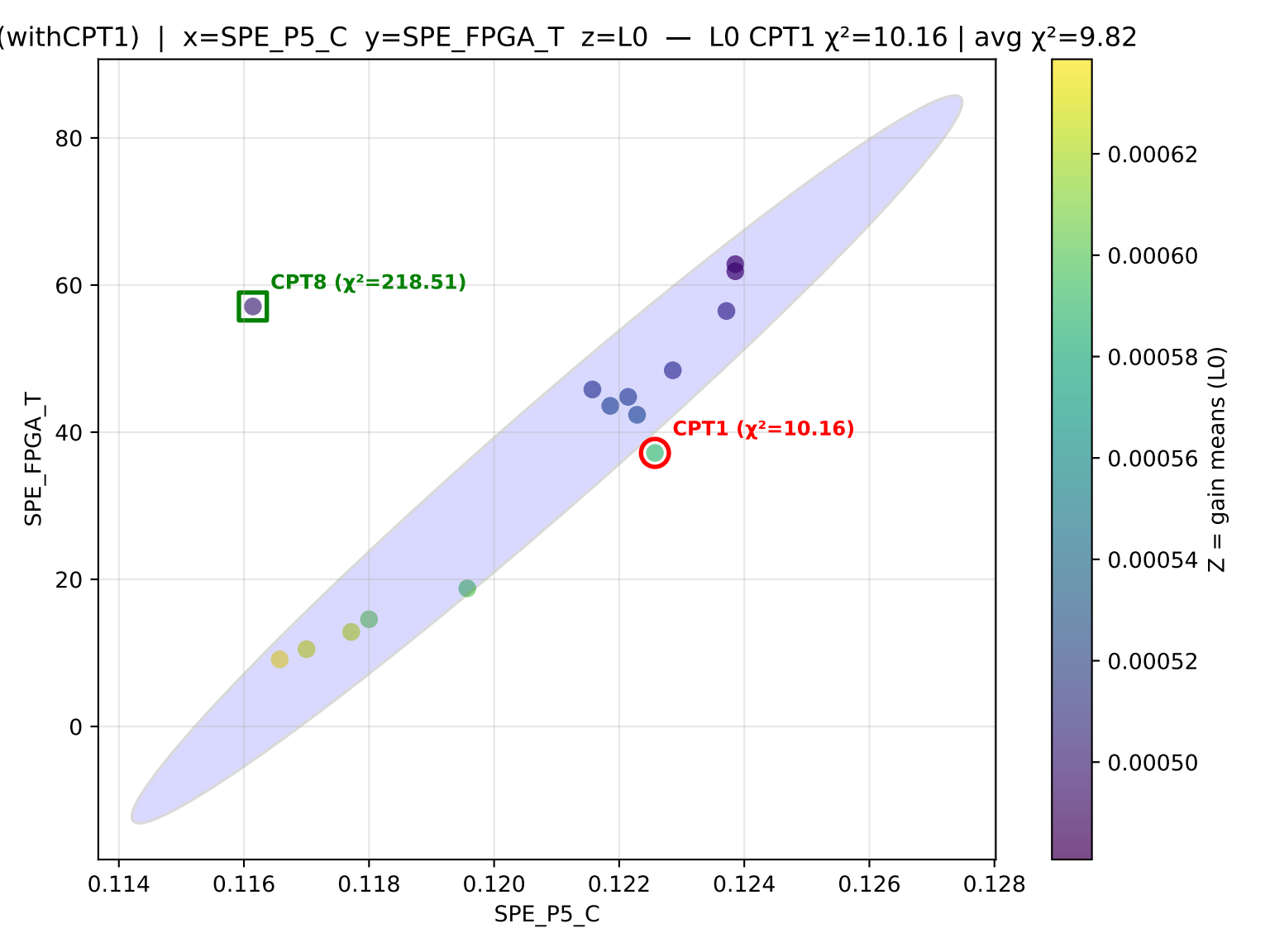
Average χ^2(CPT1) across settings: 9.82

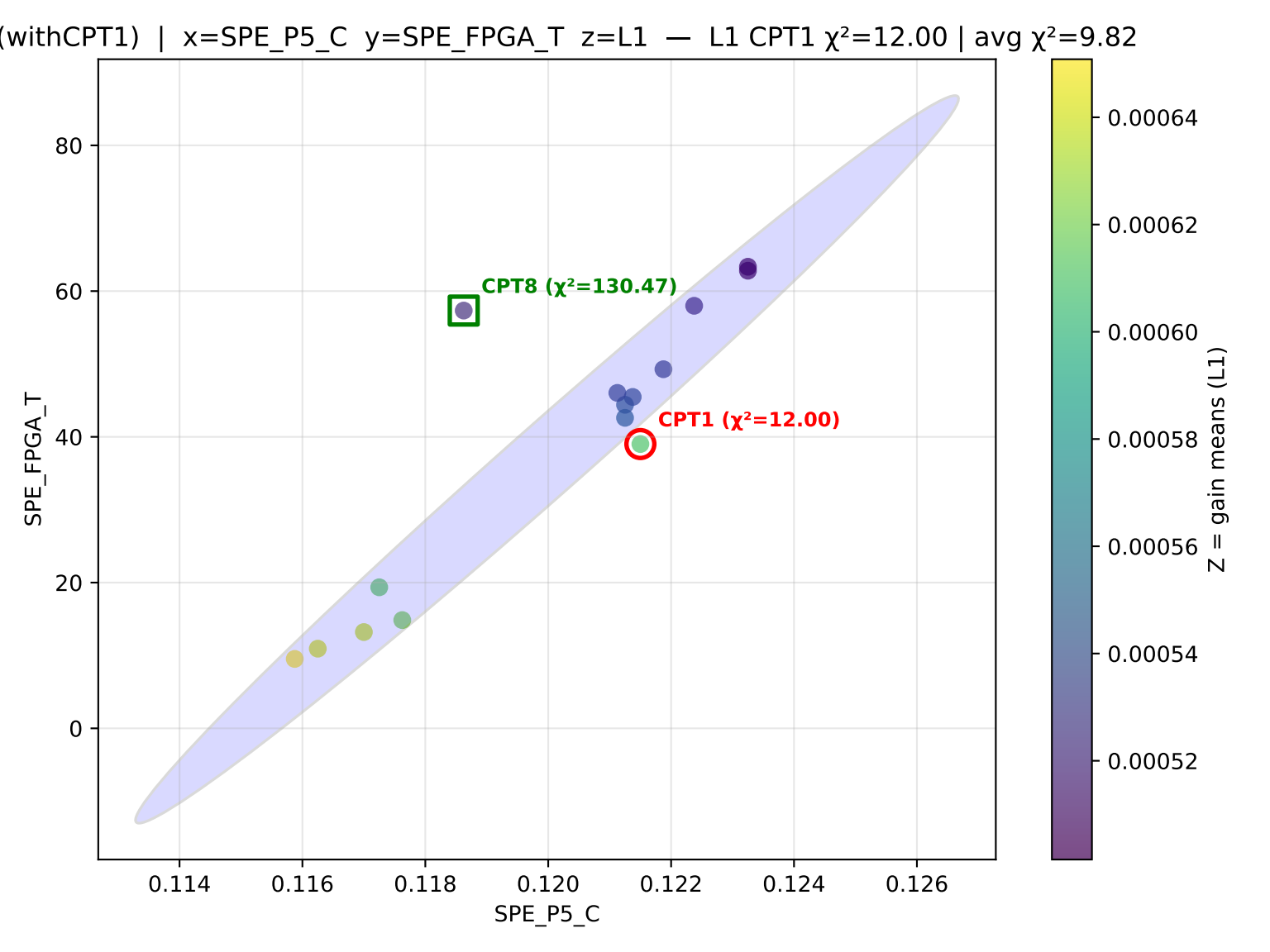

(withCPT1) | x=SPE_P5_C y=SPE_FPGA_T z=H0 — H0 CPT1 χ²=15.28 | avg χ²=9.82
CPT8 (χ² 71.01)
CPT1 (χ²=15.28)
SPE_FPGA_T
SPE_P5_C
Z = gain means (H0)
0.110
0.112
0.114
0.116
0.118
0.120
0.122
0.124
0
20
40
60
80
1.15
1.20
1.25
1.30
1.35
1.40
1.45
1.50

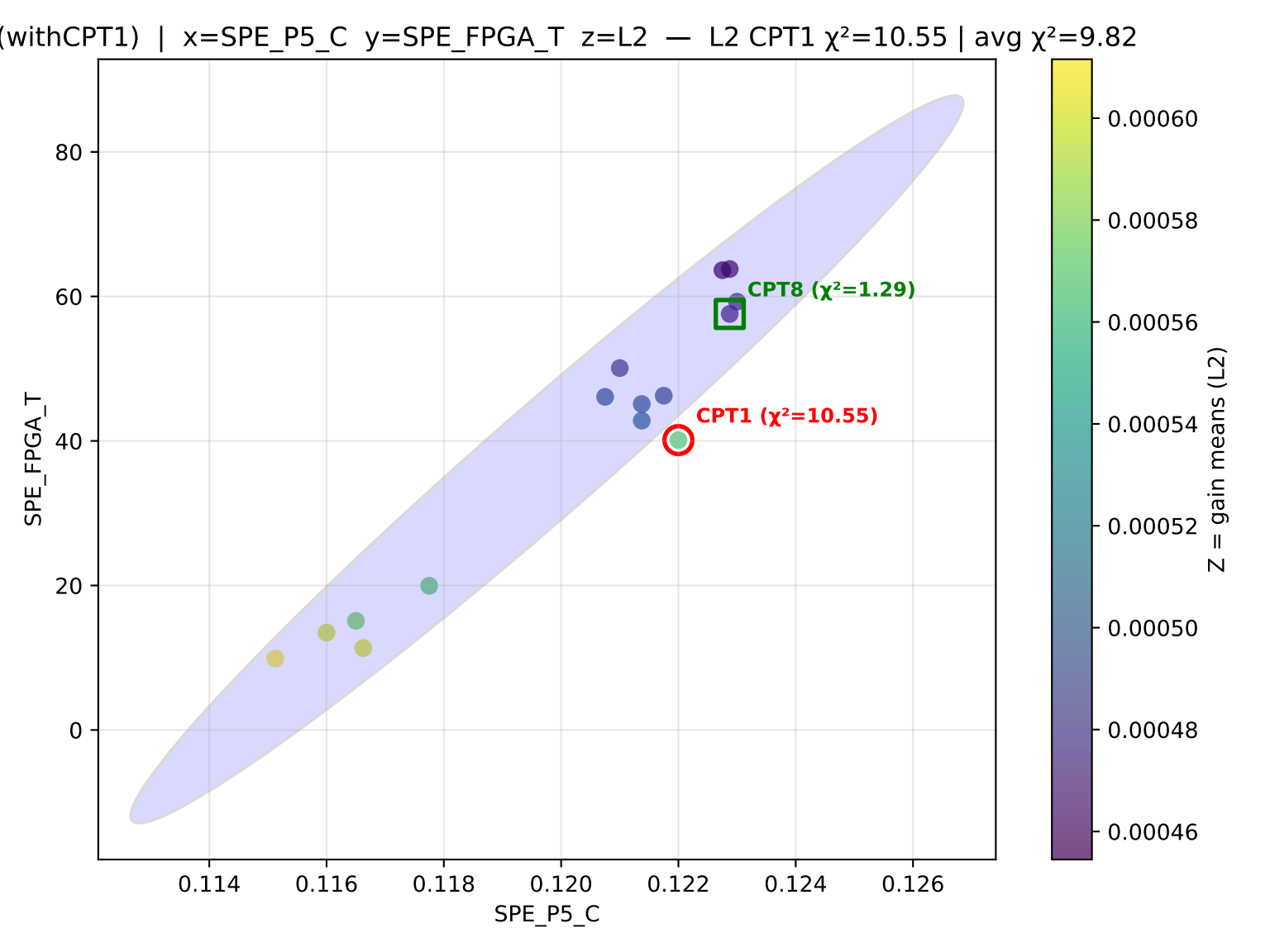

(withCPT1) | x=SPE_P5_C y=SPE_FPGA_T z=H1 — H1 CPT1 χ²=11.04 | avg χ²=9.82
CPT1 (χ²=11.04)
CPT8 (χ
84.04)
SPE_FPGA_T
SPE_P5_C
Z = gain means (H1)
0
20
40
60
80
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
1.05
1.10
1.15
1.20
1.25
1.30
1.35
1.40

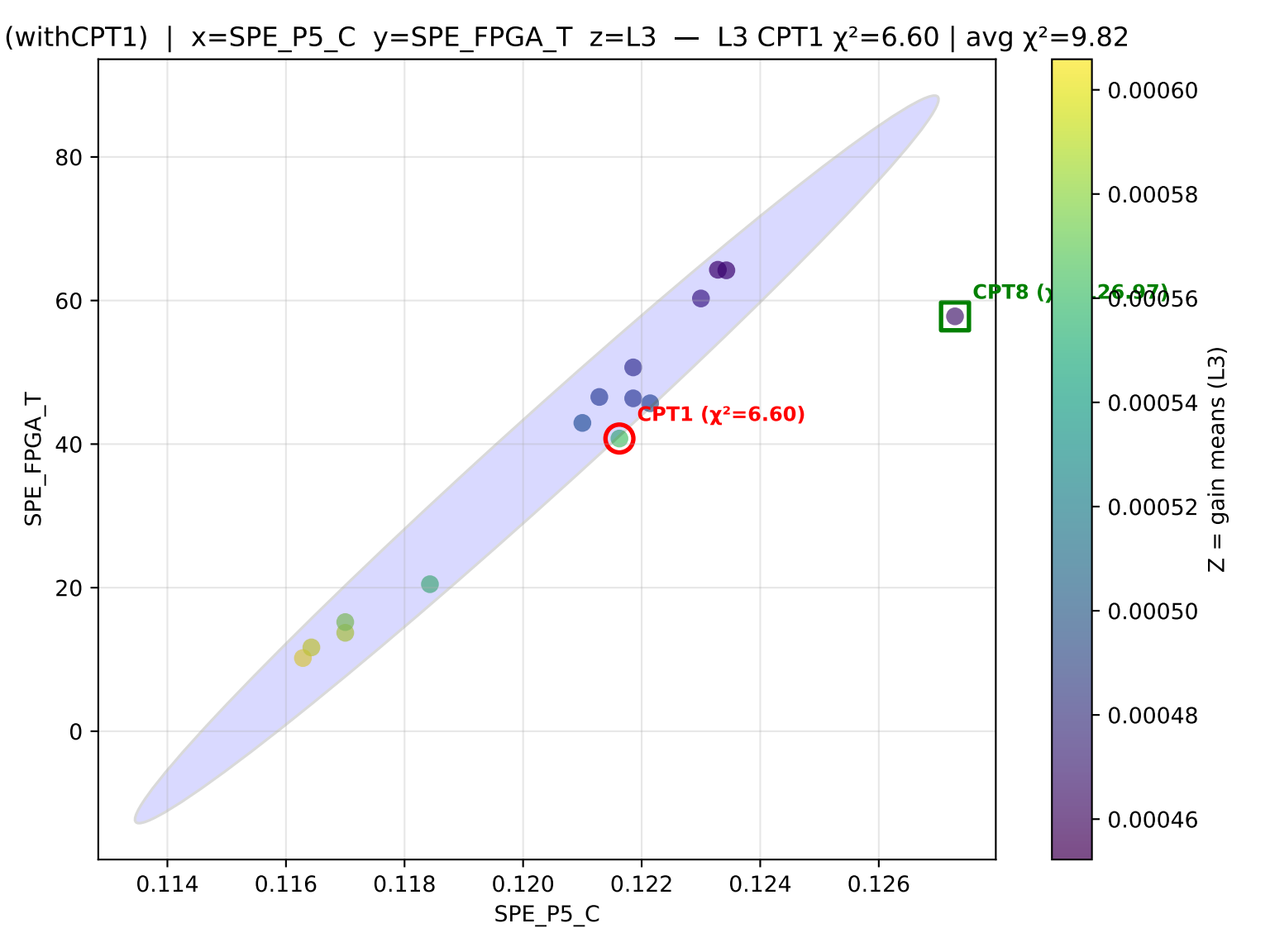

(withCPT1) | x=SPE_P5_C y=SPE_FPGA_T z=H2 — H2 CPT1 χ²=16.39 | avg χ²=9.82
CPT1 (χ²=16.39)
CPT8 (χ
151.39)
SPE_FPGA_T
SPE_P5_C
Z = gain means (H2)
0
20
40
60
80
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
0.1300
1.10
1.15
1.20
1.25
1.30
1.35
1.40
1.45

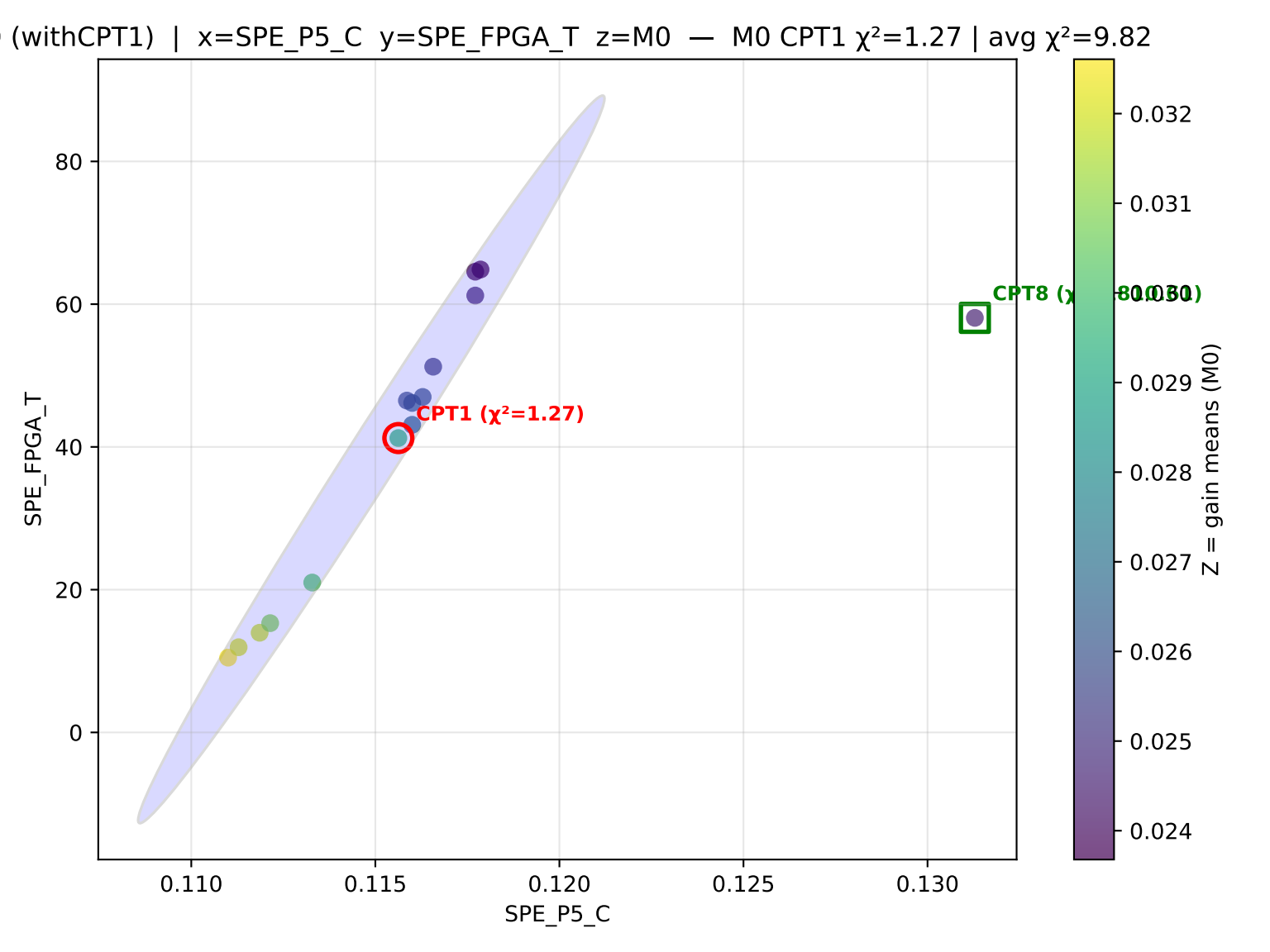

(withCPT1) | x=SPE_P5_C y=SPE_FPGA_T z=H3 — H3 CPT1 χ²=12.60 | avg χ²=9.82
CPT1 (χ²=12.60)
CPT8 (χ
54.25)
SPE_FPGA_T
SPE_P5_C
Z = gain means (H3)
0.110
0.112
0.114
0.116
0.118
0.120
0.122
0.124
0
20
40
60
80
1.00
1.05
1.10
1.15
1.20
1.25
1.30

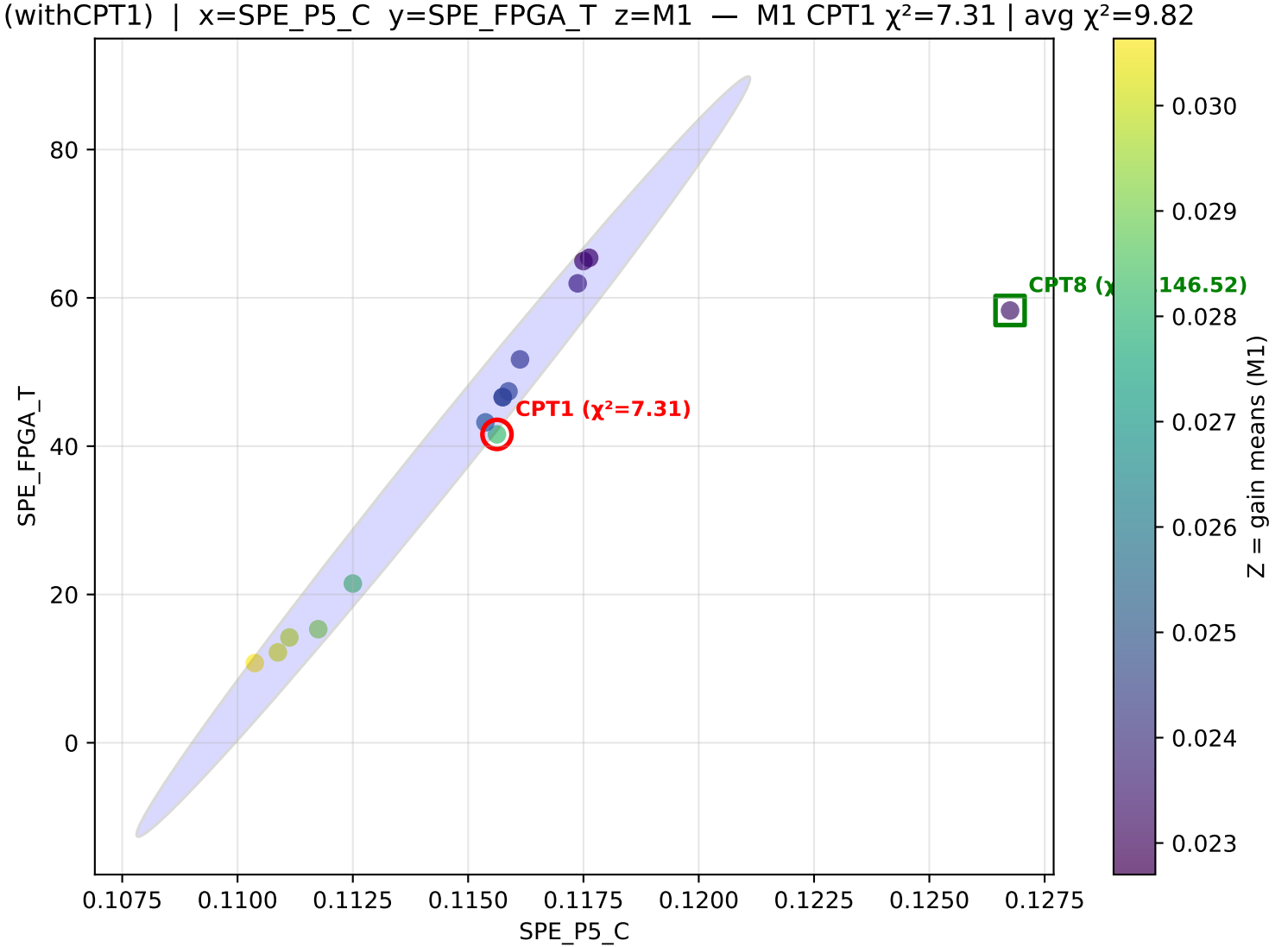

(withCPT1) | x=SPE_P5_C y=SPE_FPGA_T z=L0 — L0 CPT1 χ²=10.16 | avg χ²=9.82
CPT8 (χ²=218.51)
CPT1 (χ²=10.16)
SPE_FPGA_T
SPE_P5_C
Z = gain means (L0)
80
60
40
20
0
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.128
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

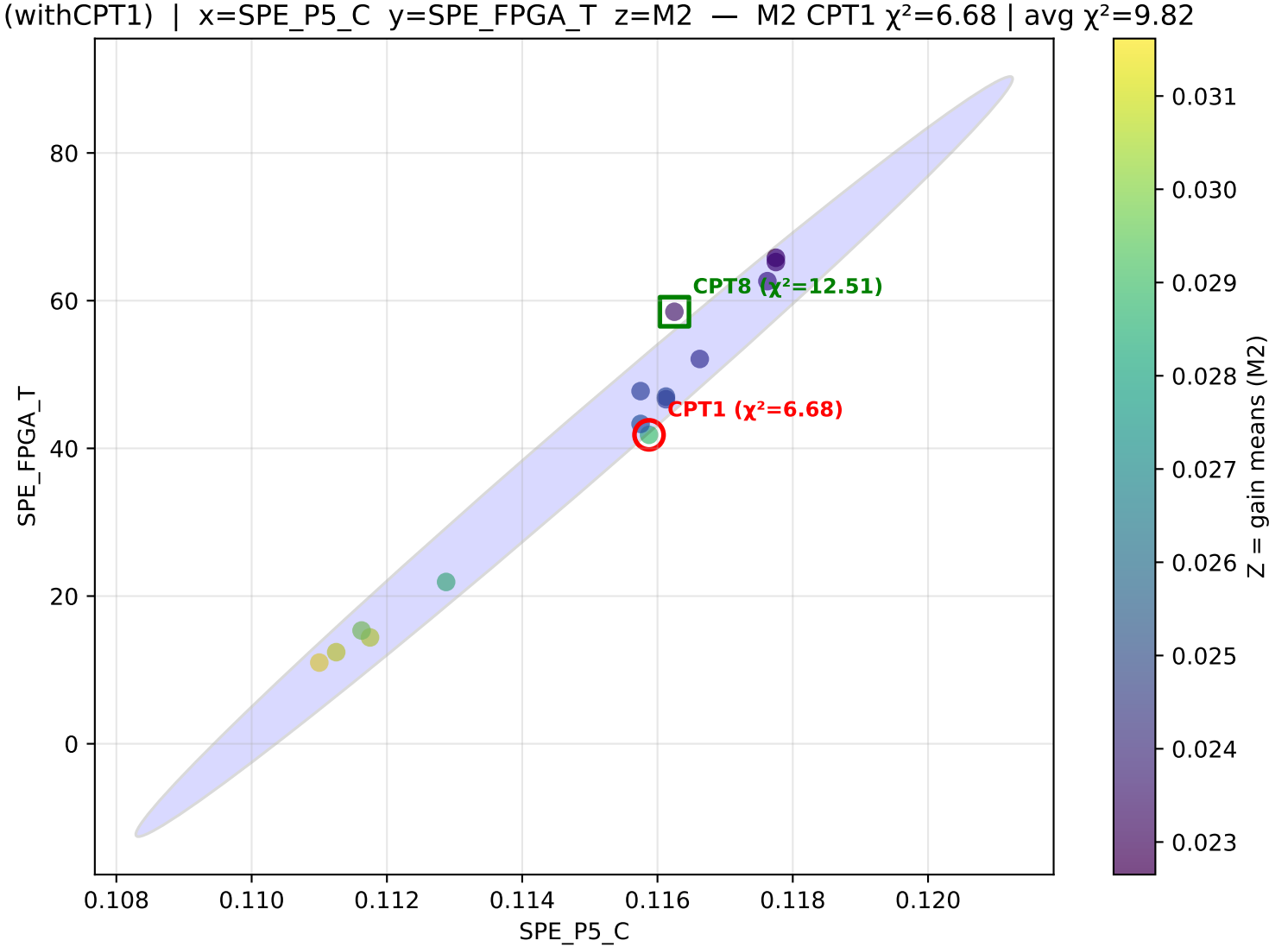

(withCPT1) | x=SPE_P5_C y=SPE_FPGA_T z=L1 — L1 CPT1 χ²=12.00 | avg χ²=9.82
CPT8 (χ²=130.47)
CPT1 (χ²=12.00)
SPE_FPGA_T
SPE_P5_C
Z = gain means (L1)
0
20
40
60
80
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00052
0.00054
0.00056
0.00058
0.00060
0.00062
0.00064

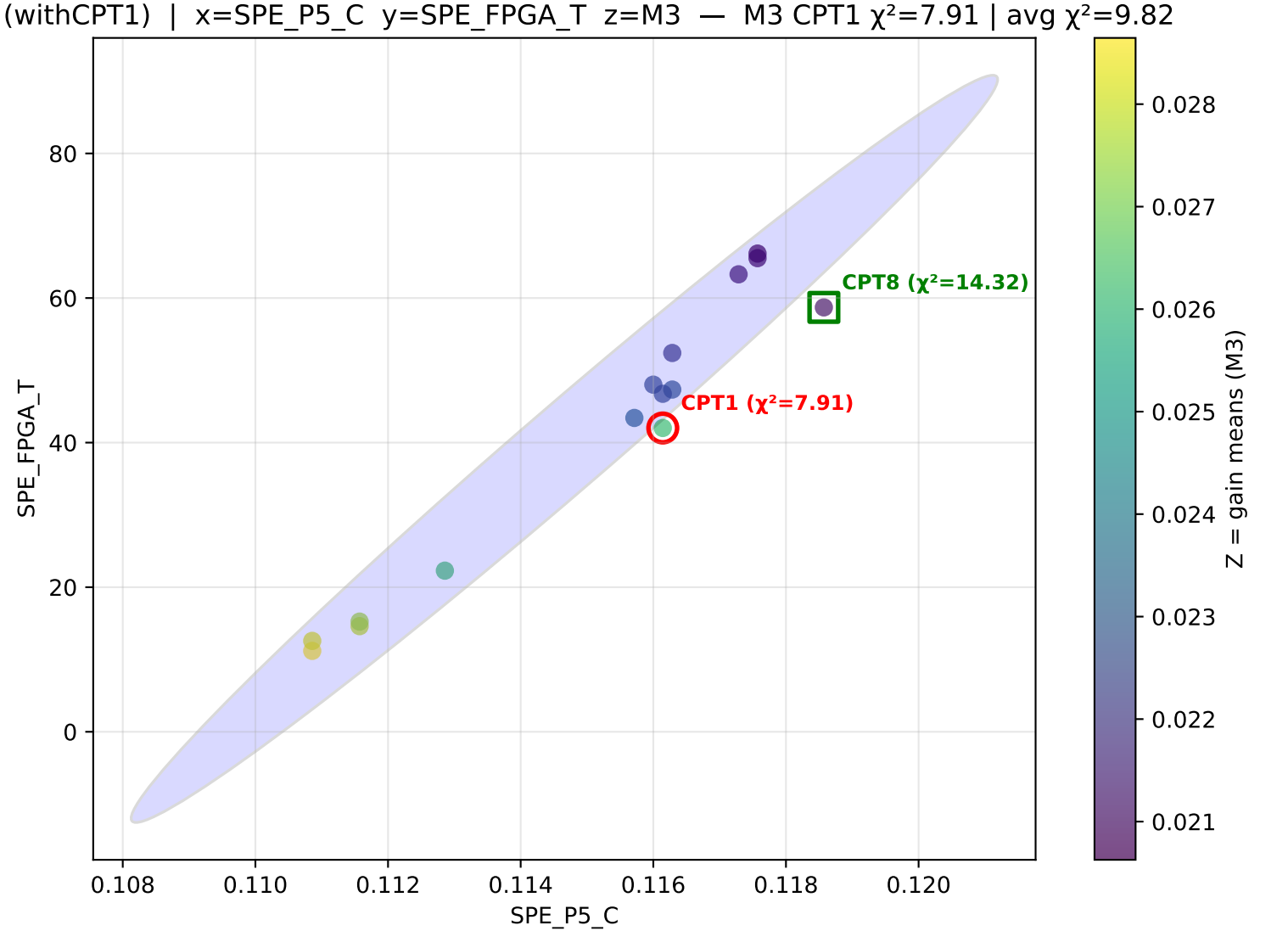

(withCPT1) | x=SPE_P5_C y=SPE_FPGA_T z=L2 — L2 CPT1 χ²=10.55 | avg χ²=9.82
CPT8 (χ²=1.29)
CPT1 (χ²=10.55)
SPE_FPGA_T
SPE_P5_C
Z = gain means (L2)
0
20
40
60
80
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00046
0.00048
0.00050
0.00052
0.00054
0.00056
0.00058
0.00060


(withCPT1) | x=SPE_P5_C y=SPE_FPGA_T z=L3 — L3 CPT1 χ²=6.60 | avg χ²=9.82
CPT1 (χ²=6.60)
CPT8 (χ
26.97)
SPE_FPGA_T
SPE_P5_C
Z = gain means (L3)
0
20
40
60
80
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00046
0.00048
0.00050
0.00052
0.00054
0.00056
0.00058
0.00060


(withCPT1) | x=SPE_P5_C y=SPE_FPGA_T z=M0 — M0 CPT1 χ²=1.27 | avg χ²=9.82
CPT1 (χ²=1.27)
CPT8 (χ
80.30)
SPE_FPGA_T
SPE_P5_C
Z = gain means (M0)
0
20
40
60
80
0.110
0.115
0.120
0.125
0.130
0.024
0.025
0.026
0.027
0.028
0.029
0.030
0.031
0.032

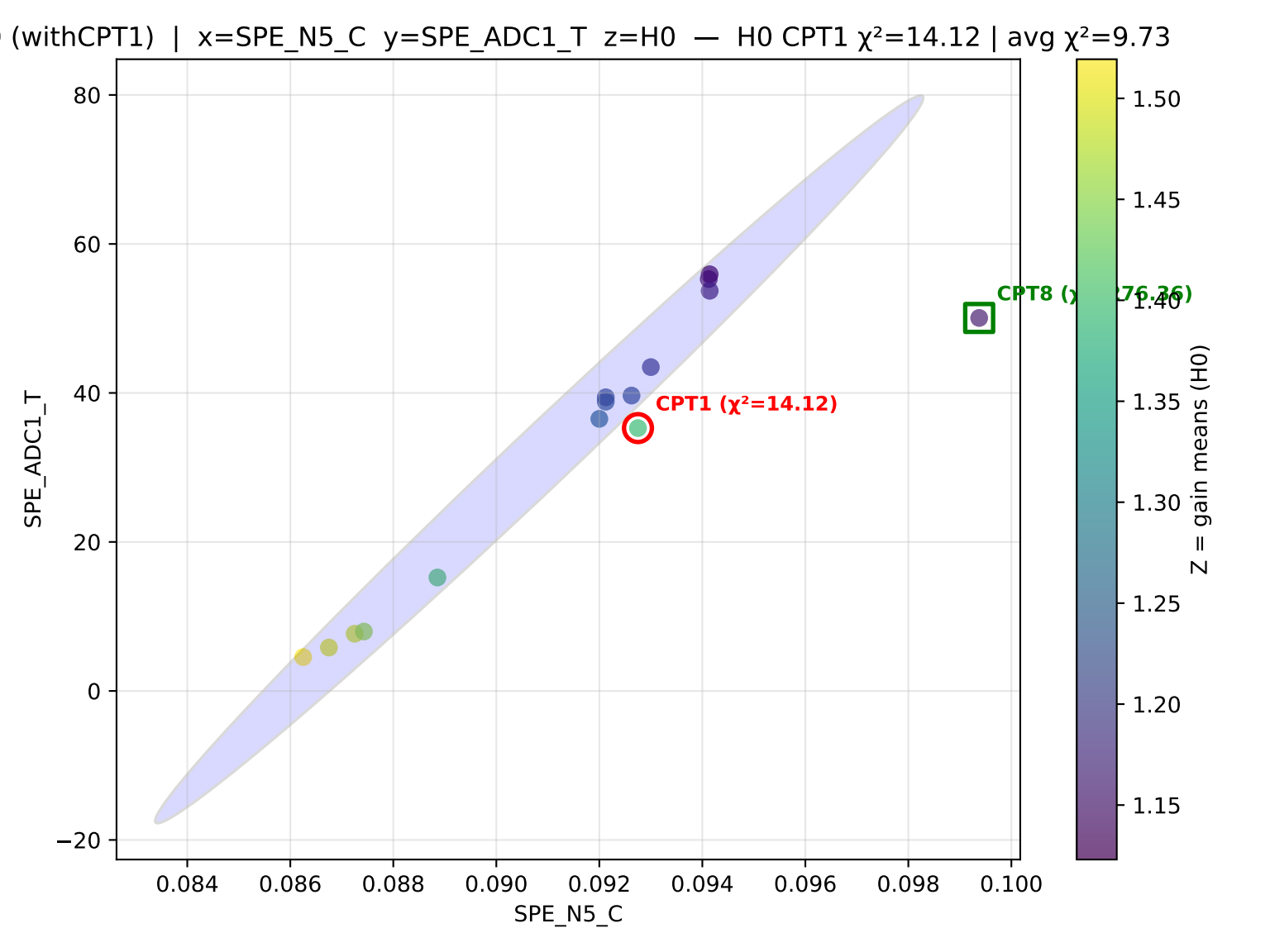

(withCPT1) | x=SPE_P5_C y=SPE_FPGA_T z=M1 — M1 CPT1 χ²=7.31 | avg χ²=9.82
CPT1 (χ²=7.31)
CPT8 (χ
146.52)
SPE_FPGA_T
SPE_P5_C
Z = gain means (M1)
0
20
40
60
80
0.1075
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
0.023
0.024
0.025
0.026
0.027
0.028
0.029
0.030

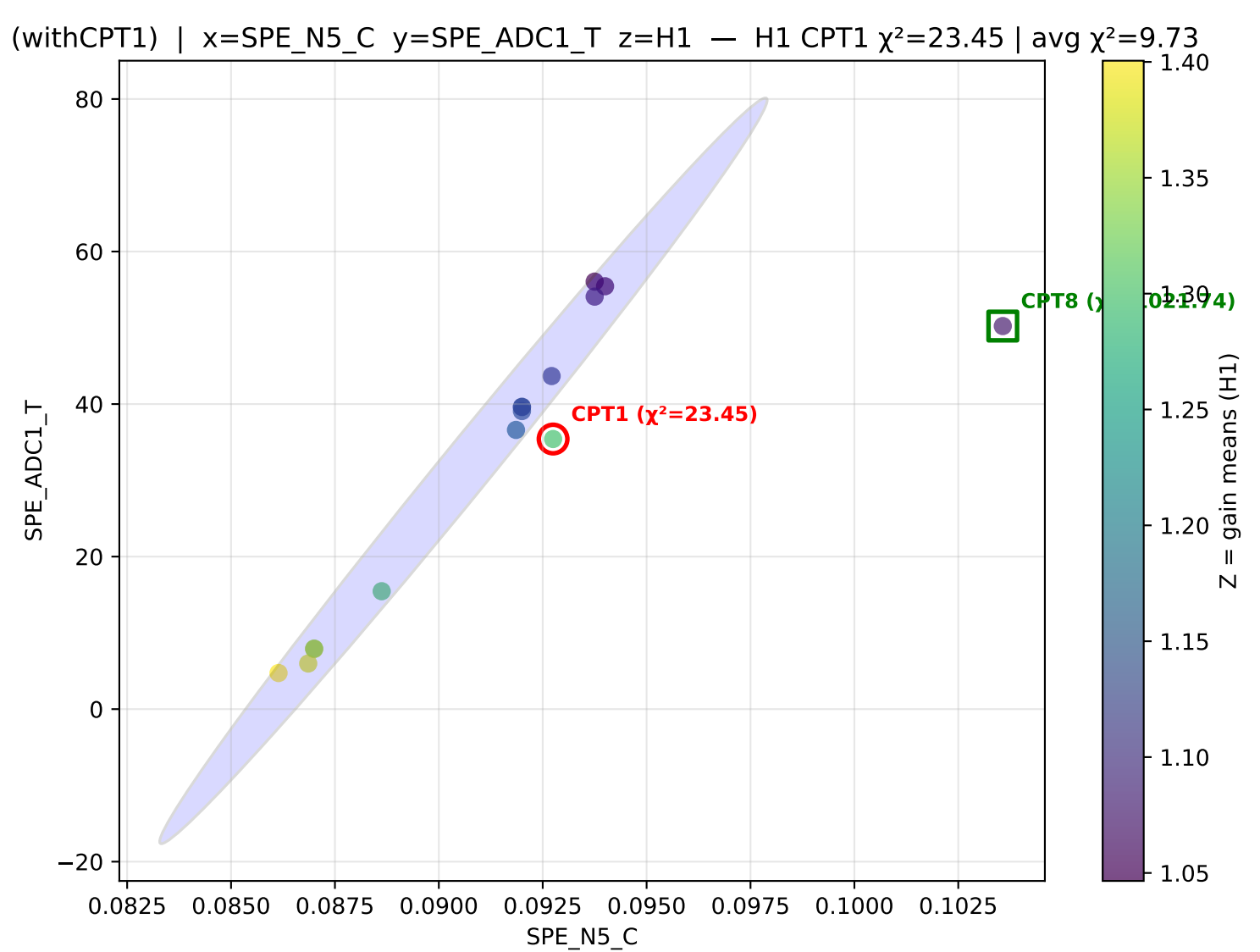

(withCPT1) | x=SPE_P5_C y=SPE_FPGA_T z=M2 — M2 CPT1 χ²=6.68 | avg χ²=9.82
CPT8 (χ²=12.51)
CPT1 (χ²=6.68)
SPE_FPGA_T
SPE_P5_C
Z = gain means (M2)
0
20
40
60
80
0.108
0.110
0.112
0.114
0.116
0.118
0.120
0.023
0.024
0.025
0.026
0.027
0.028
0.029
0.030
0.031

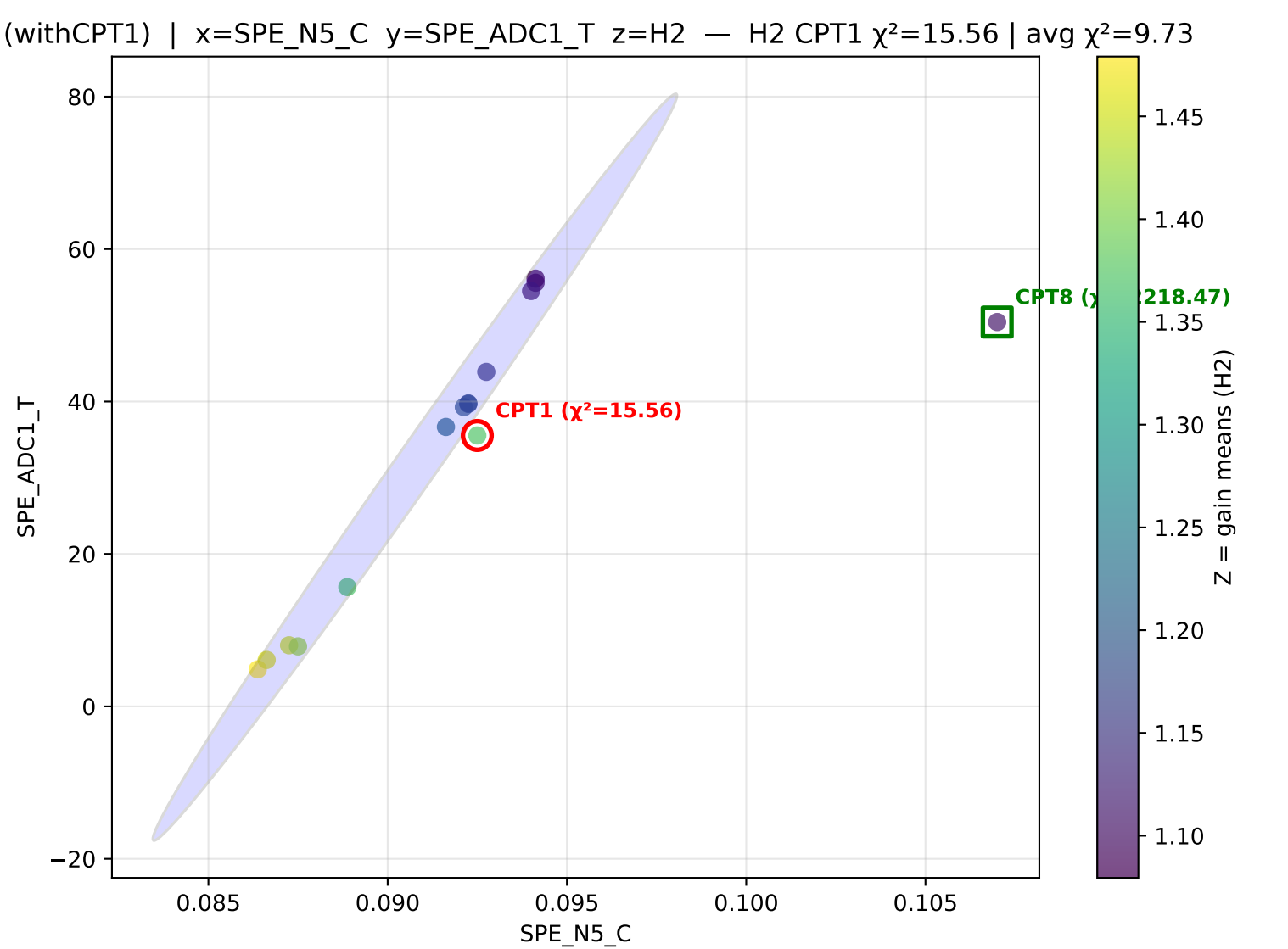

(withCPT1) | x=SPE_P5_C y=SPE_FPGA_T z=M3 — M3 CPT1 χ²=7.91 | avg χ²=9.82
CPT8 (χ²=14.32)
CPT1 (χ²=7.91)
SPE_FPGA_T
SPE_P5_C
Z = gain means (M3)
0
20
40
60
80
0.108
0.110
0.112
0.114
0.116
0.118
0.120
0.021
0.022
0.023
0.024
0.025
0.026
0.027
0.028

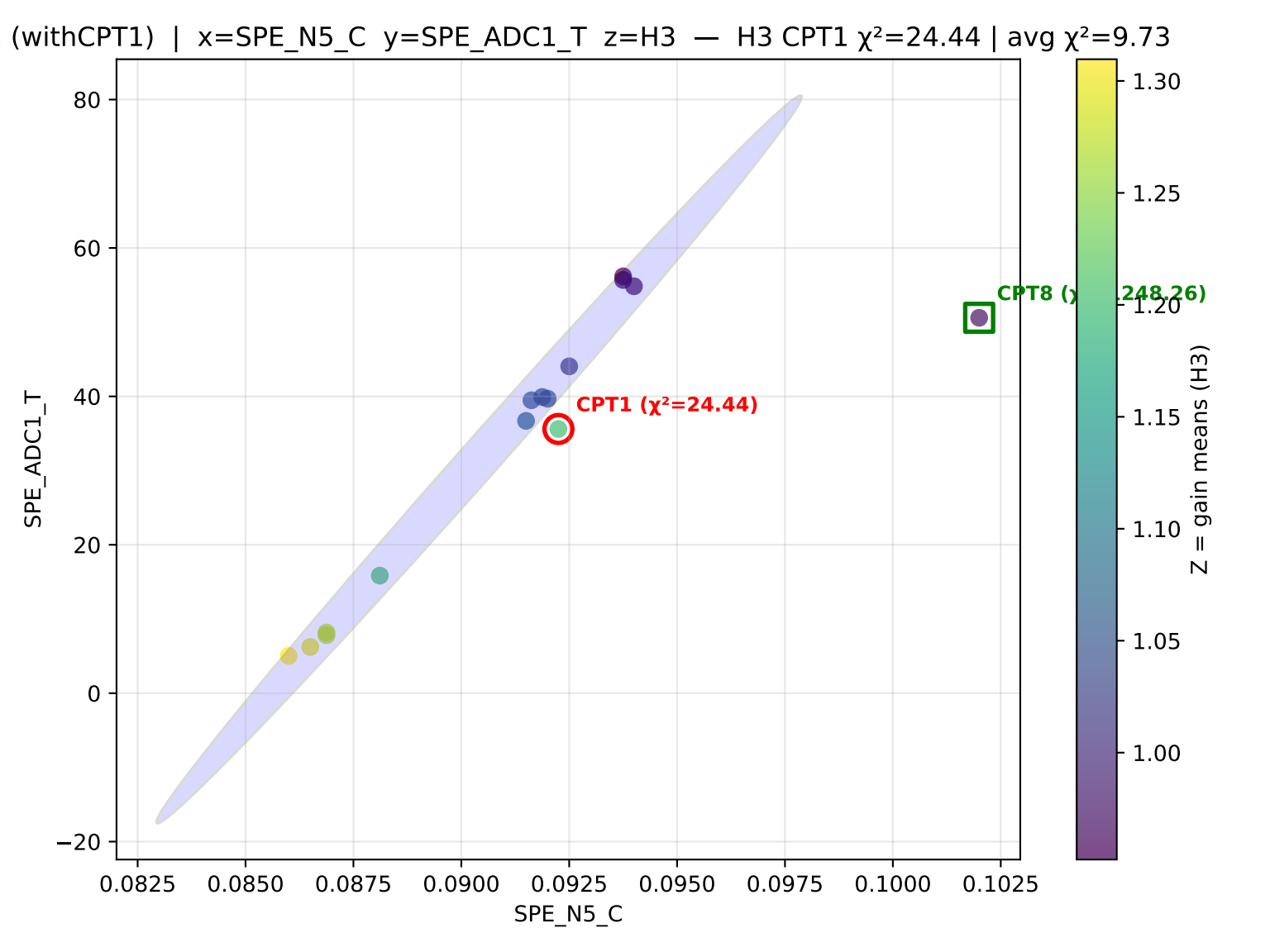
Pair: SPE_N5_C vs SPE_ADC1_T

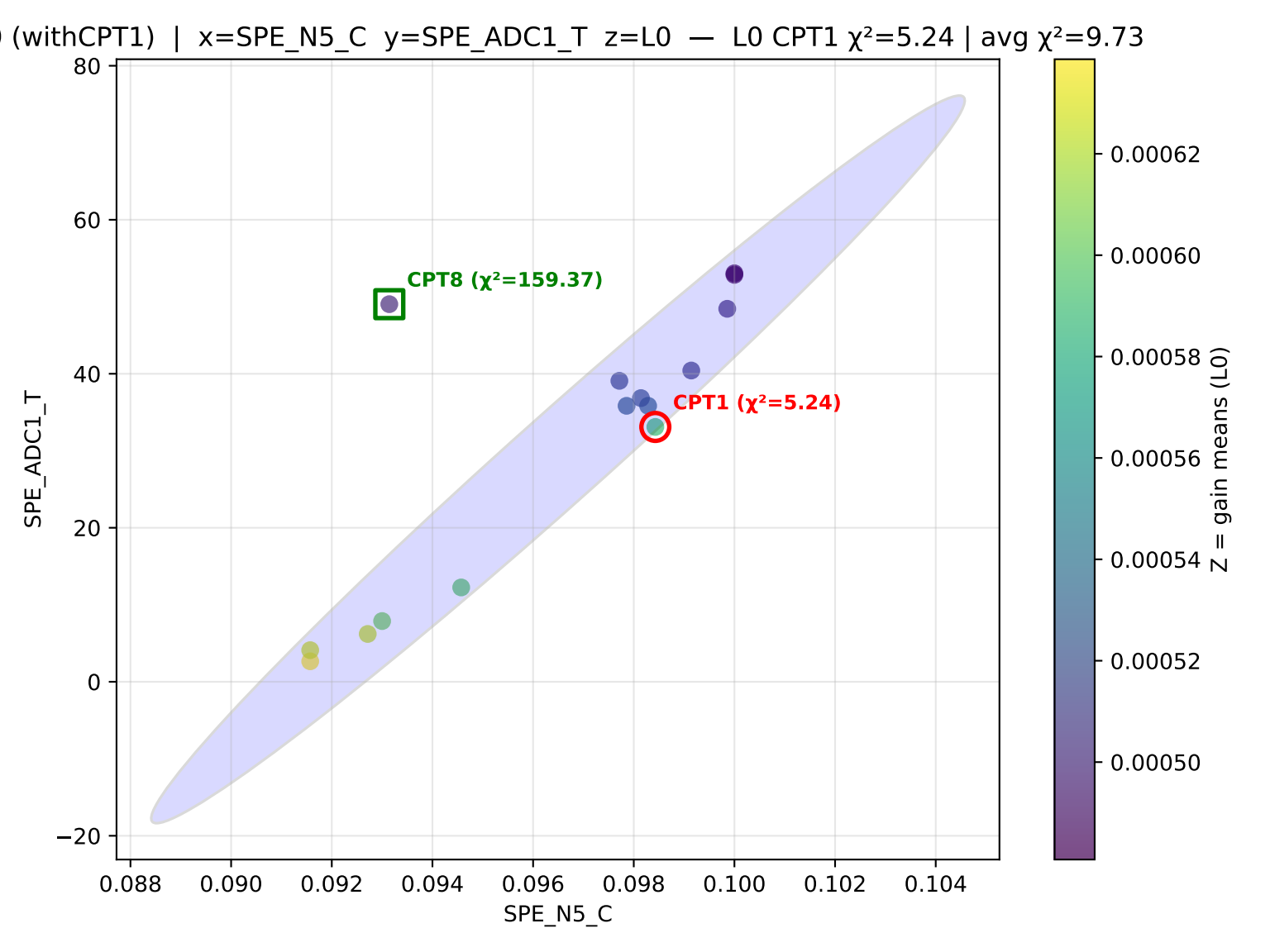
Average χ^2(CPT1) across settings: 9.73

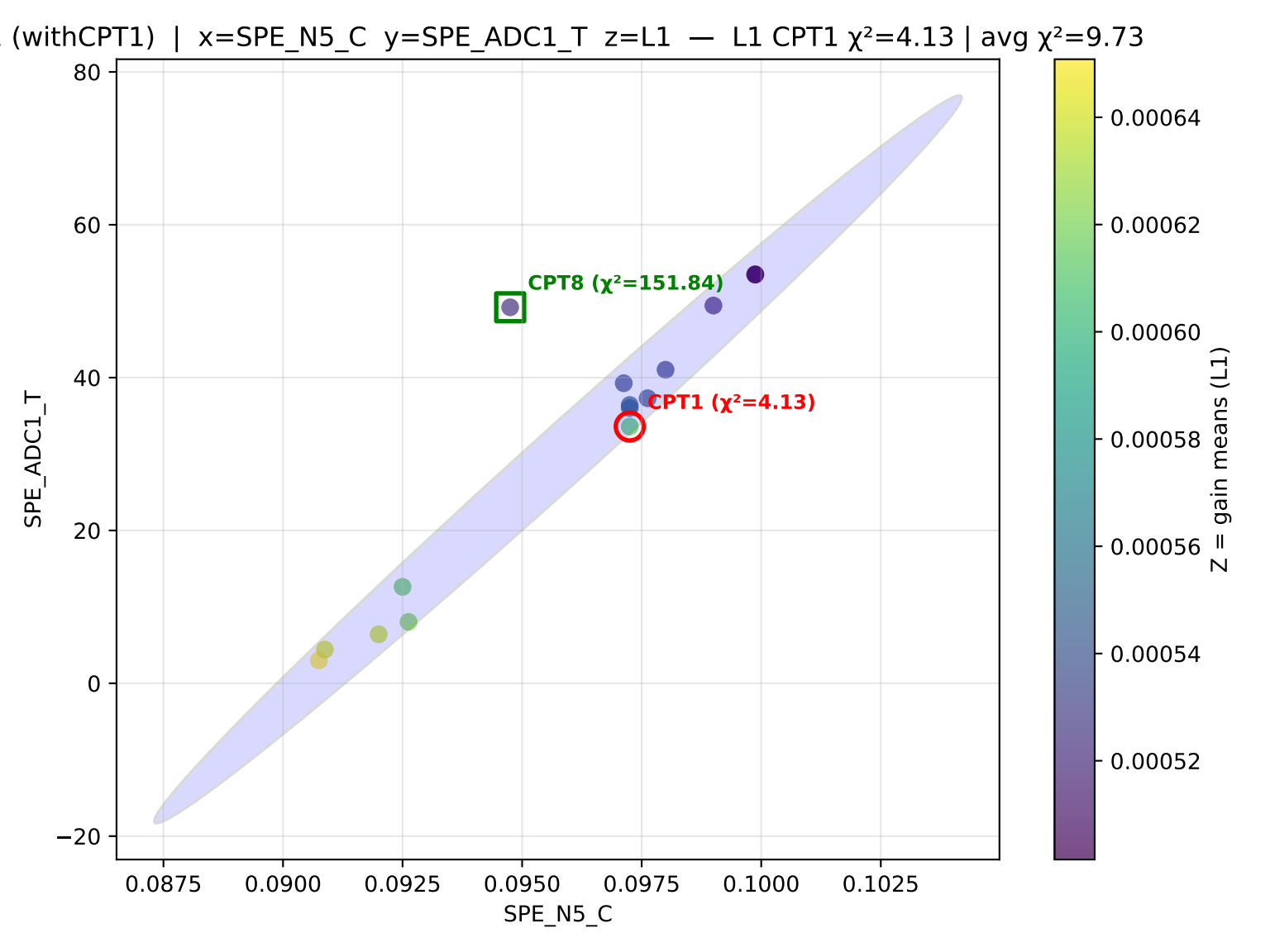

(withCPT1) | x=SPE_N5_C y=SPE_ADC1_T z=H0 — H0 CPT1 χ²=14.12 | avg χ²=9.73
CPT1 (χ²=14.12)
CPT8 (χ
76.36)
SPE_ADC1_T
SPE_N5_C
Z = gain means (H0)
80
60
40
20
0
−20
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.100
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

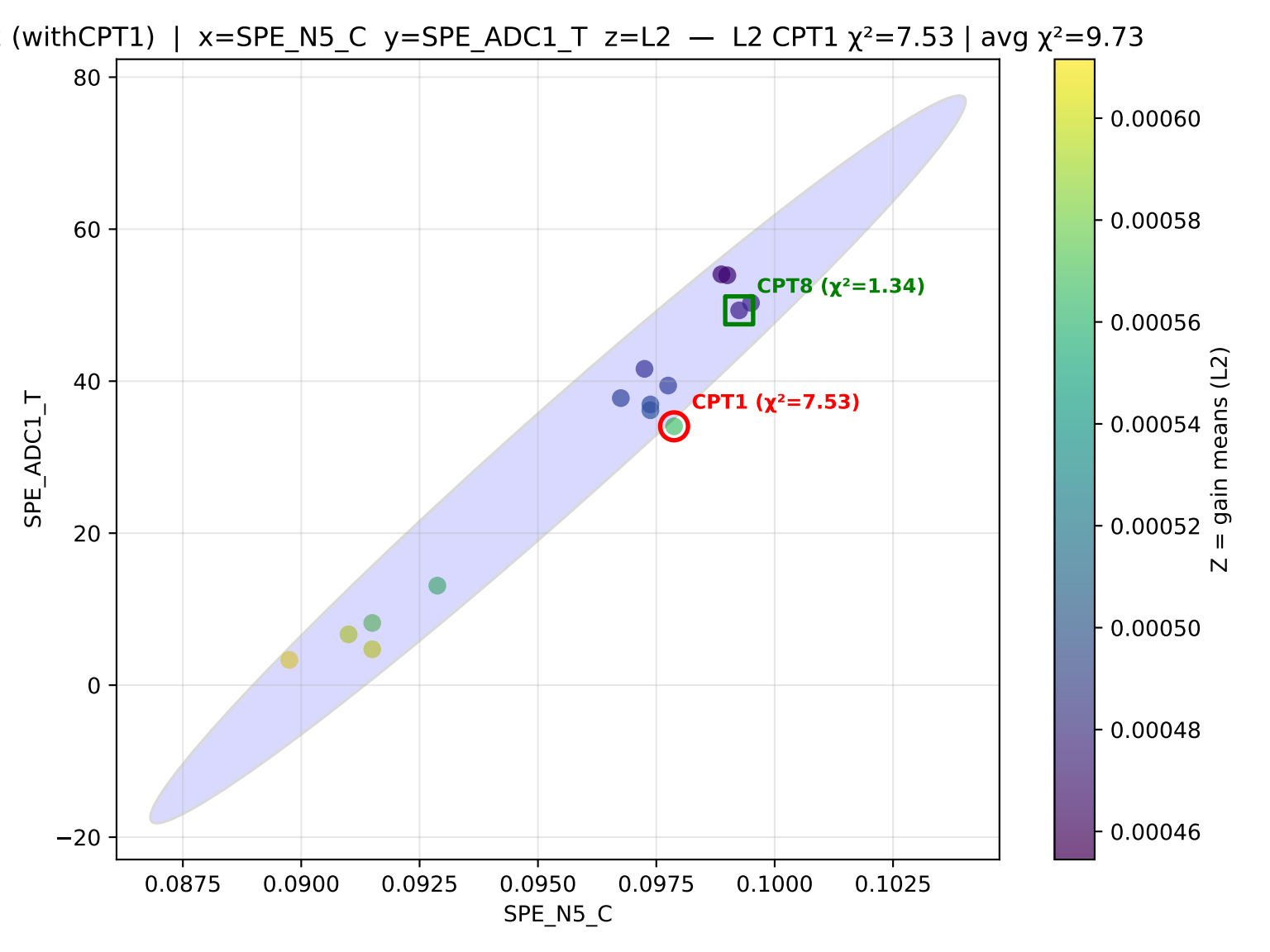

(withCPT1) | x=SPE_N5_C y=SPE_ADC1_T z=H1 — H1 CPT1 χ²=23.45 | avg χ²=9.73
CPT1 (χ²=23.45)
CPT8 (χ
02.74)
SPE_ADC1_T
SPE_N5_C
Z = gain means (H1)
80
60
40
20
0
−20
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

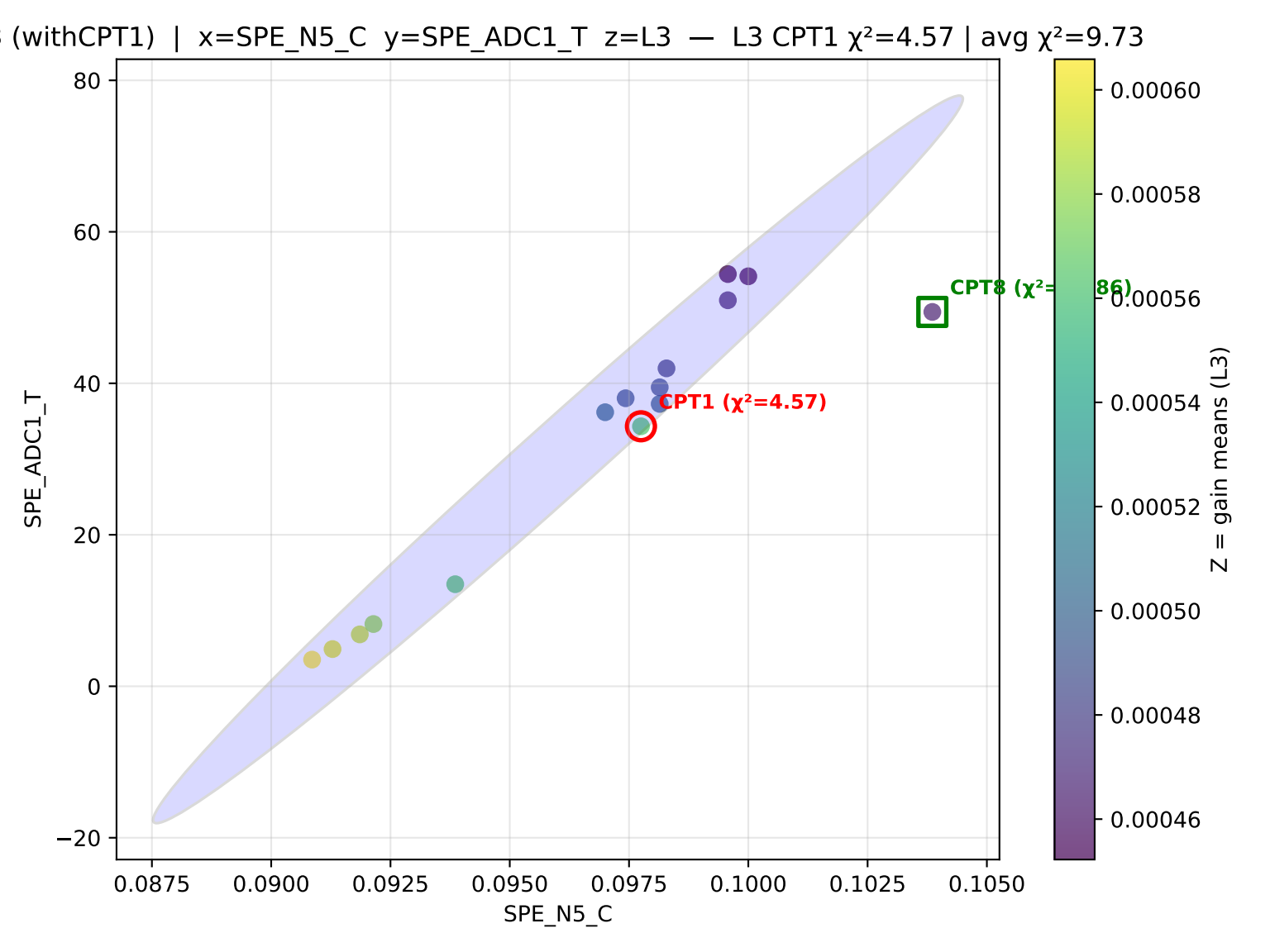

(withCPT1) | x=SPE_N5_C y=SPE_ADC1_T z=H2 — H2 CPT1 χ²=15.56 | avg χ²=9.73
CPT1 (χ²=15.56)
CPT8 (χ
218.47)
SPE_ADC1_T
SPE_N5_C
Z = gain means (H2)
80
60
40
20
0
−20
0.085
0.090
0.095
0.100
0.105
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10

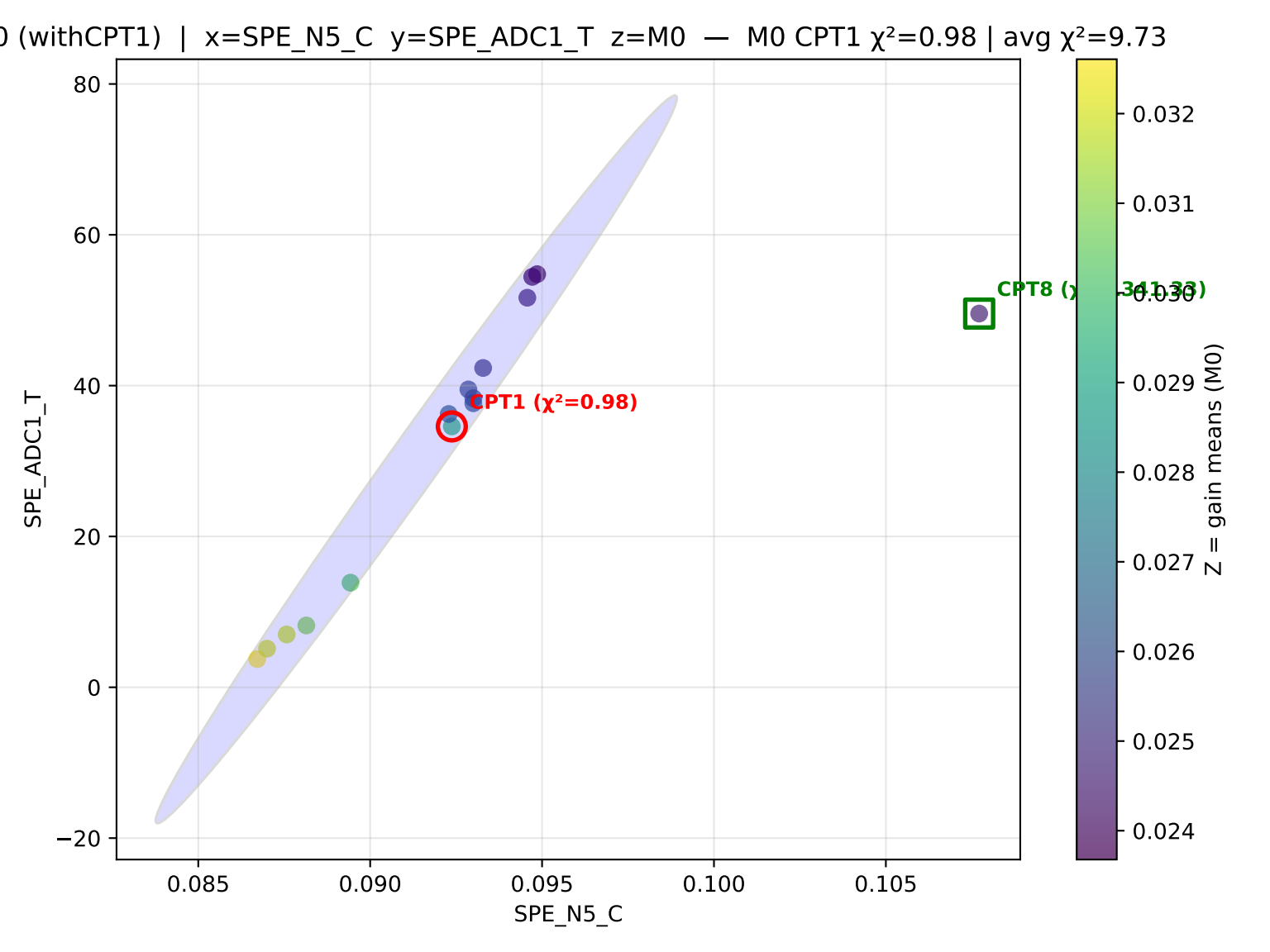

(withCPT1) | x=SPE_N5_C y=SPE_ADC1_T z=H3 — H3 CPT1 χ²=24.44 | avg χ²=9.73
CPT1 (χ²=24.44)
CPT8 (χ
248.26)
SPE_ADC1_T
SPE_N5_C
Z = gain means (H3)
80
60
40
20
0
−20
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
1.30
1.25
1.20
1.15
1.10
1.05
1.00

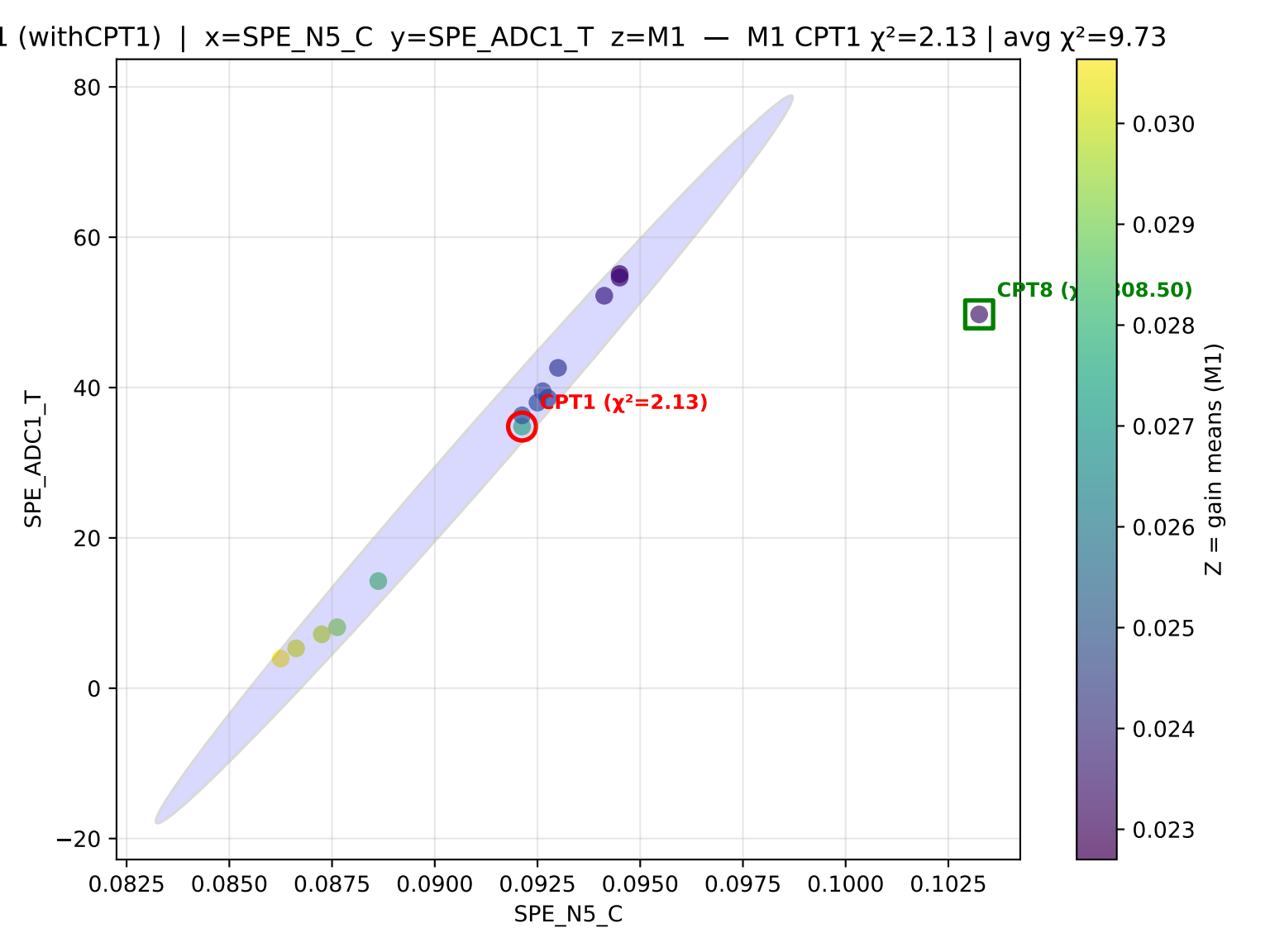

(withCPT1) | x=SPE_N5_C y=SPE_ADC1_T z=L0 — L0 CPT1 χ²=5.24 | avg χ²=9.73
CPT8 (χ²=159.37)
CPT1 (χ²=5.24)
SPE_ADC1_T
SPE_N5_C
Z = gain means (L0)
80
60
40
20
0
−20
0.088
0.090
0.092
0.094
0.096
0.098
0.100
0.102
0.104
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

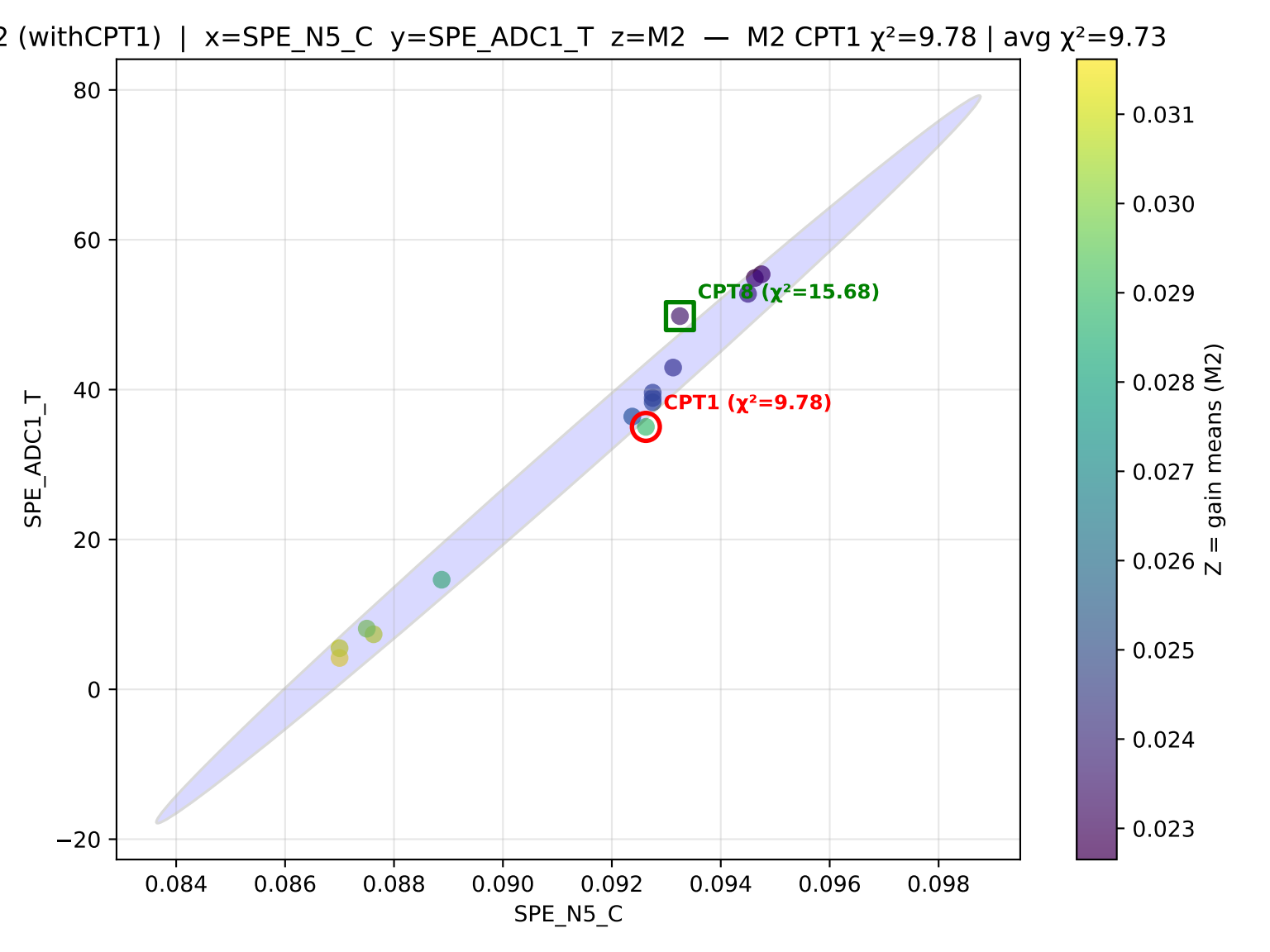

(withCPT1) | x=SPE_N5_C y=SPE_ADC1_T z=L1 — L1 CPT1 χ²=4.13 | avg χ²=9.73
CPT8 (χ²=151.84)
CPT1 (χ²=4.13)
SPE_ADC1_T
SPE_N5_C
Z = gain means (L1)
80
60
40
20
0
−20
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052

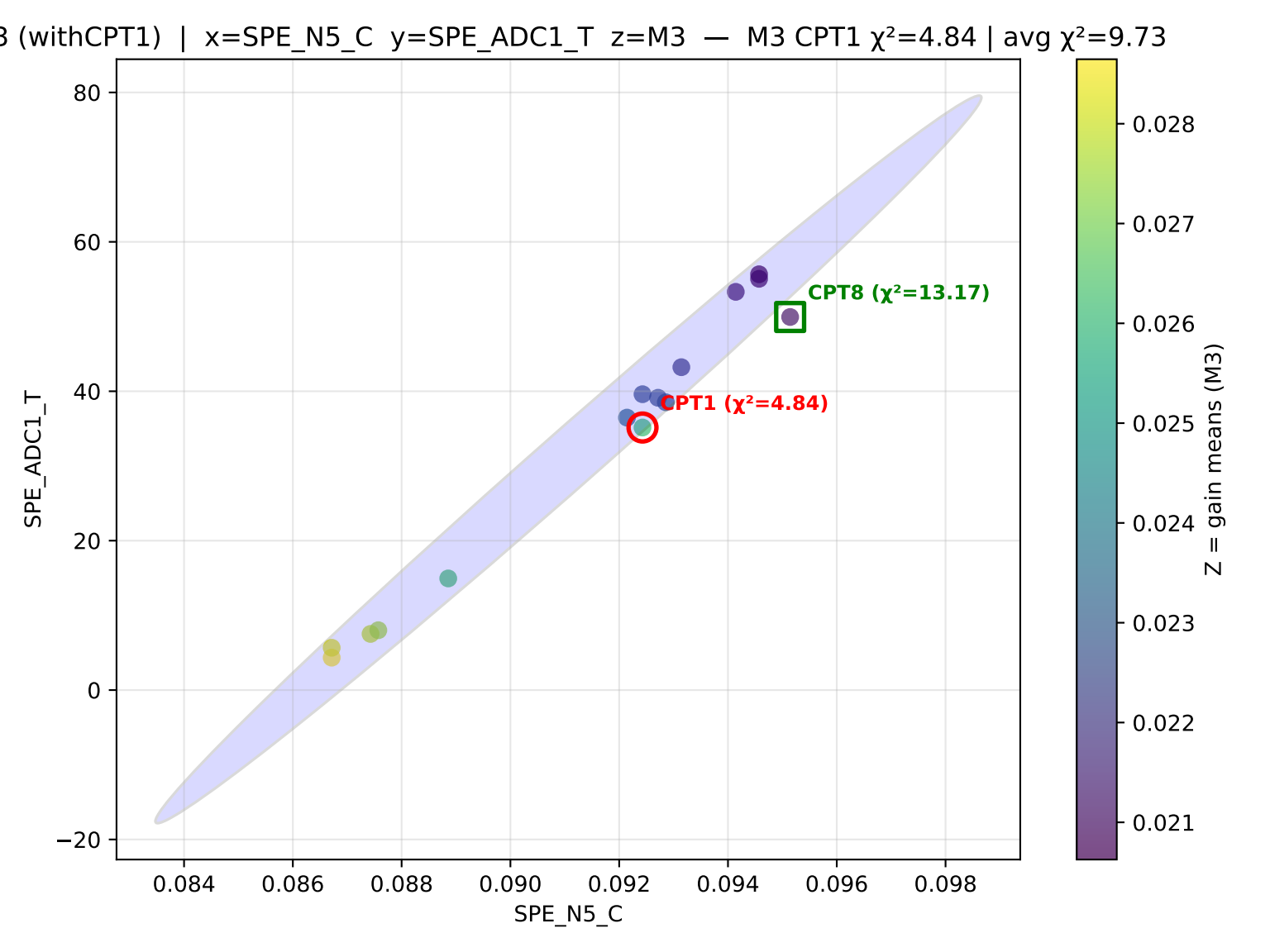

(withCPT1) | x=SPE_N5_C y=SPE_ADC1_T z=L2 — L2 CPT1 χ²=7.53 | avg χ²=9.73
CPT8 (χ²=1.34)
CPT1 (χ²=7.53)
SPE_ADC1_T
SPE_N5_C
Z = gain means (L2)
80
60
40
20
0
−20
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


(withCPT1) | x=SPE_N5_C y=SPE_ADC1_T z=L3 — L3 CPT1 χ²=4.57 | avg χ²=9.73
CPT8 (χ²=
86)
CPT1 (χ²=4.57)
SPE_ADC1_T
SPE_N5_C
Z = gain means (L3)
80
60
40
20
0
−20
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.1050
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


0 (withCPT1) | x=SPE_N5_C y=SPE_ADC1_T z=M0 — M0 CPT1 χ²=0.98 | avg χ²=9.73
CPT1 (χ²=0.98)
CPT8 (χ
SPE_ADC1_T
SPE_N5_C
Z = gain means (M0)
80
60
40
20
0
−20
0.085
0.090
0.095
0.100
0.105
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

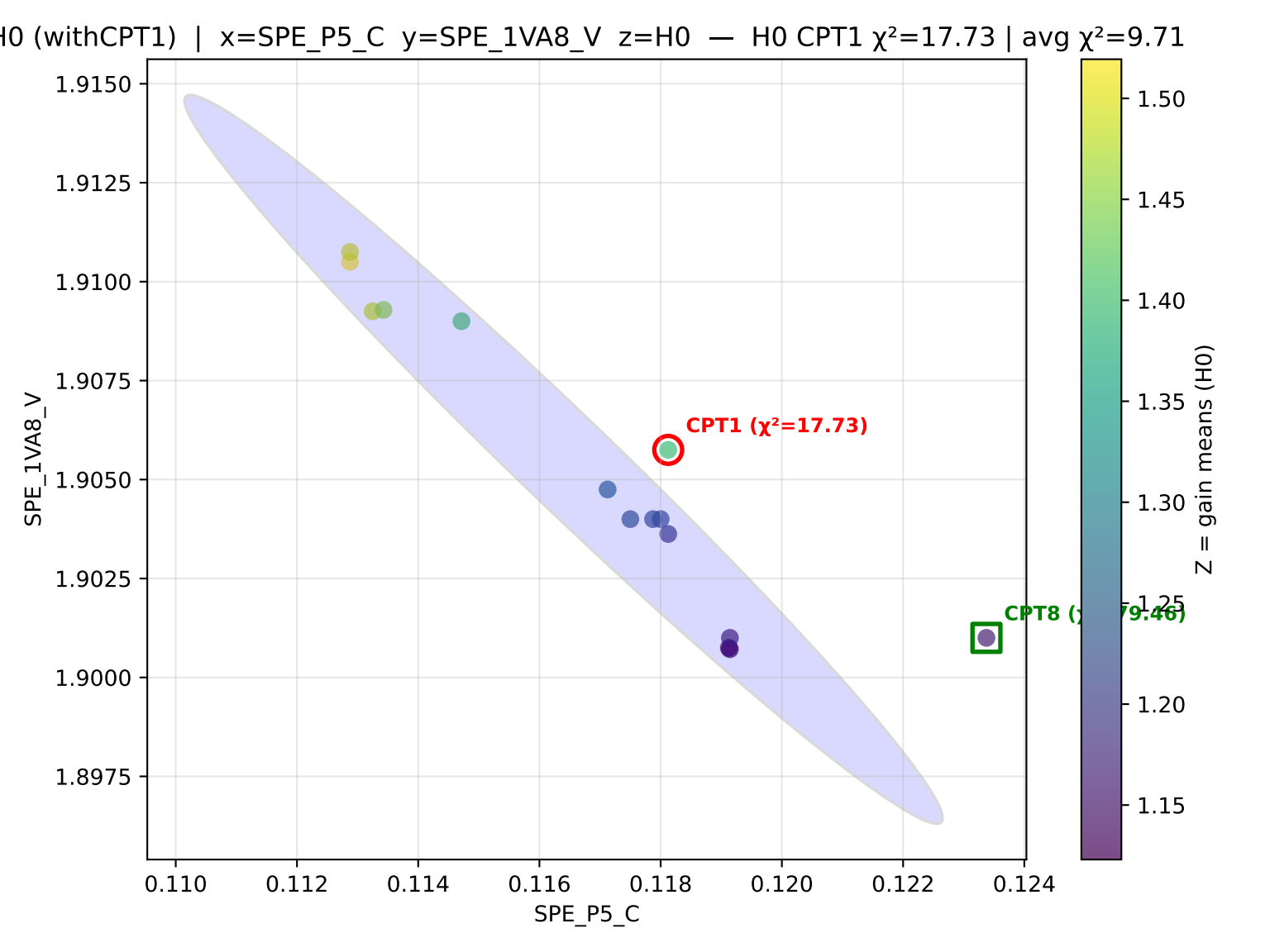

1 (withCPT1) | x=SPE_N5_C y=SPE_ADC1_T z=M1 — M1 CPT1 χ²=2.13 | avg χ²=9.73
CPT1 (χ²=2.13)
CPT8 (χ
08.50)
SPE_ADC1_T
SPE_N5_C
Z = gain means (M1)
80
60
40
20
0
−20
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

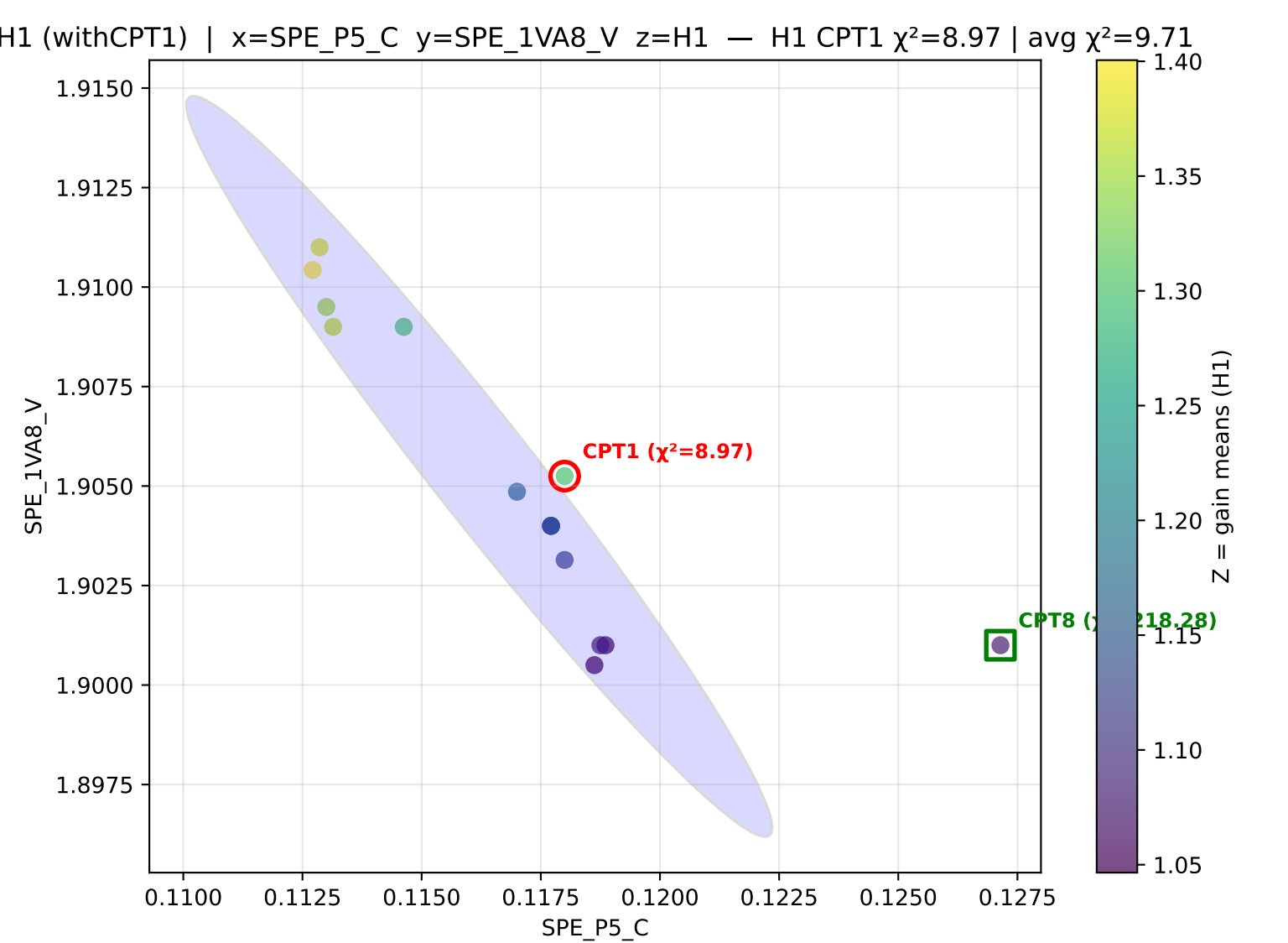

2 (withCPT1) | x=SPE_N5_C y=SPE_ADC1_T z=M2 — M2 CPT1 χ²=9.78 | avg χ²=9.73
CPT8 (χ²=15.68)
CPT1 (χ²=9.78)
SPE_ADC1_T
SPE_N5_C
Z = gain means (M2)
80
60
40
20
0
−20
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

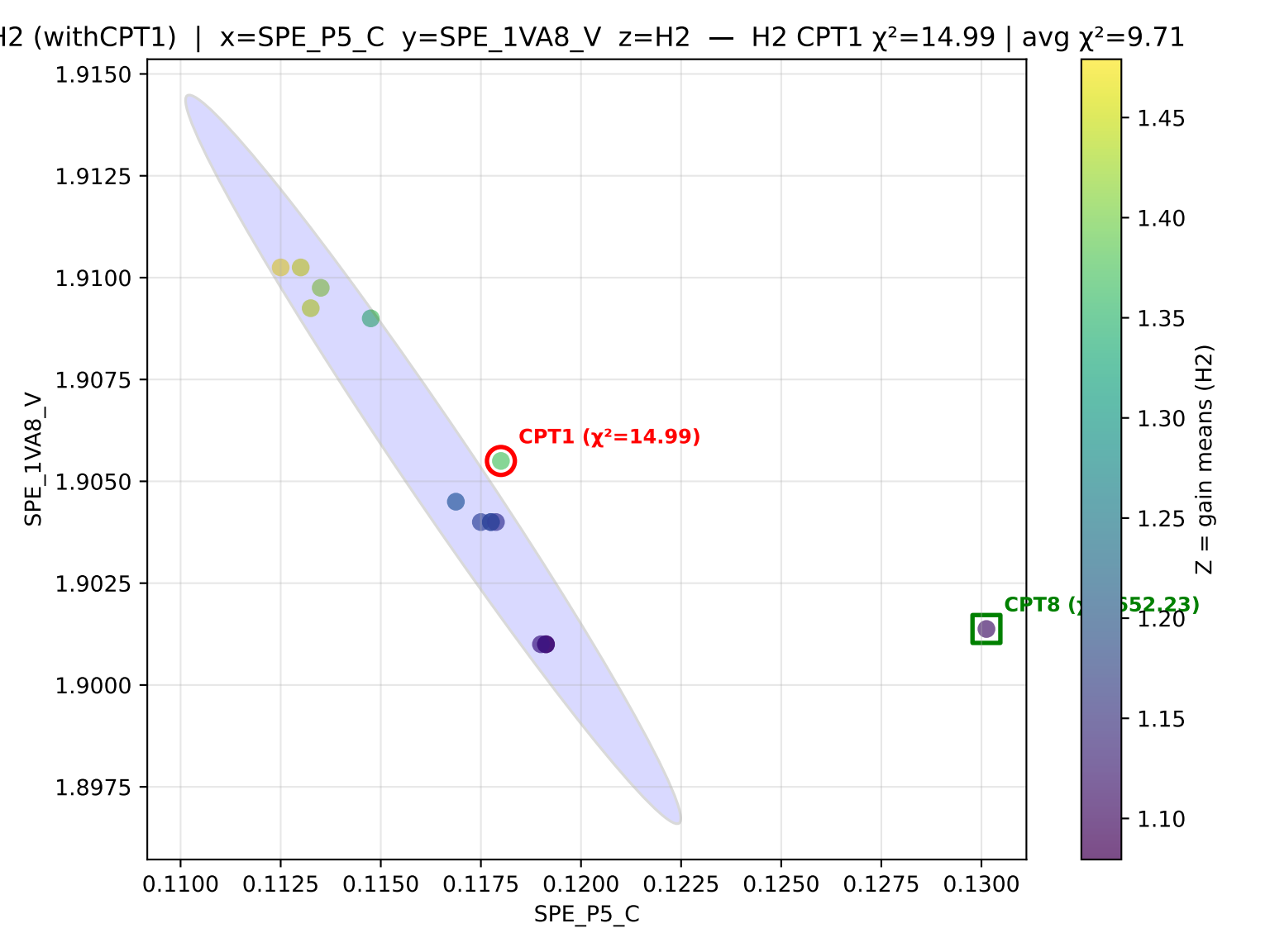

3 (withCPT1) | x=SPE_N5_C y=SPE_ADC1_T z=M3 — M3 CPT1 χ²=4.84 | avg χ²=9.73
CPT8 (χ²=13.17)
CPT1 (χ²=4.84)
SPE_ADC1_T
SPE_N5_C
Z = gain means (M3)
80
60
40
20
0
−20
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

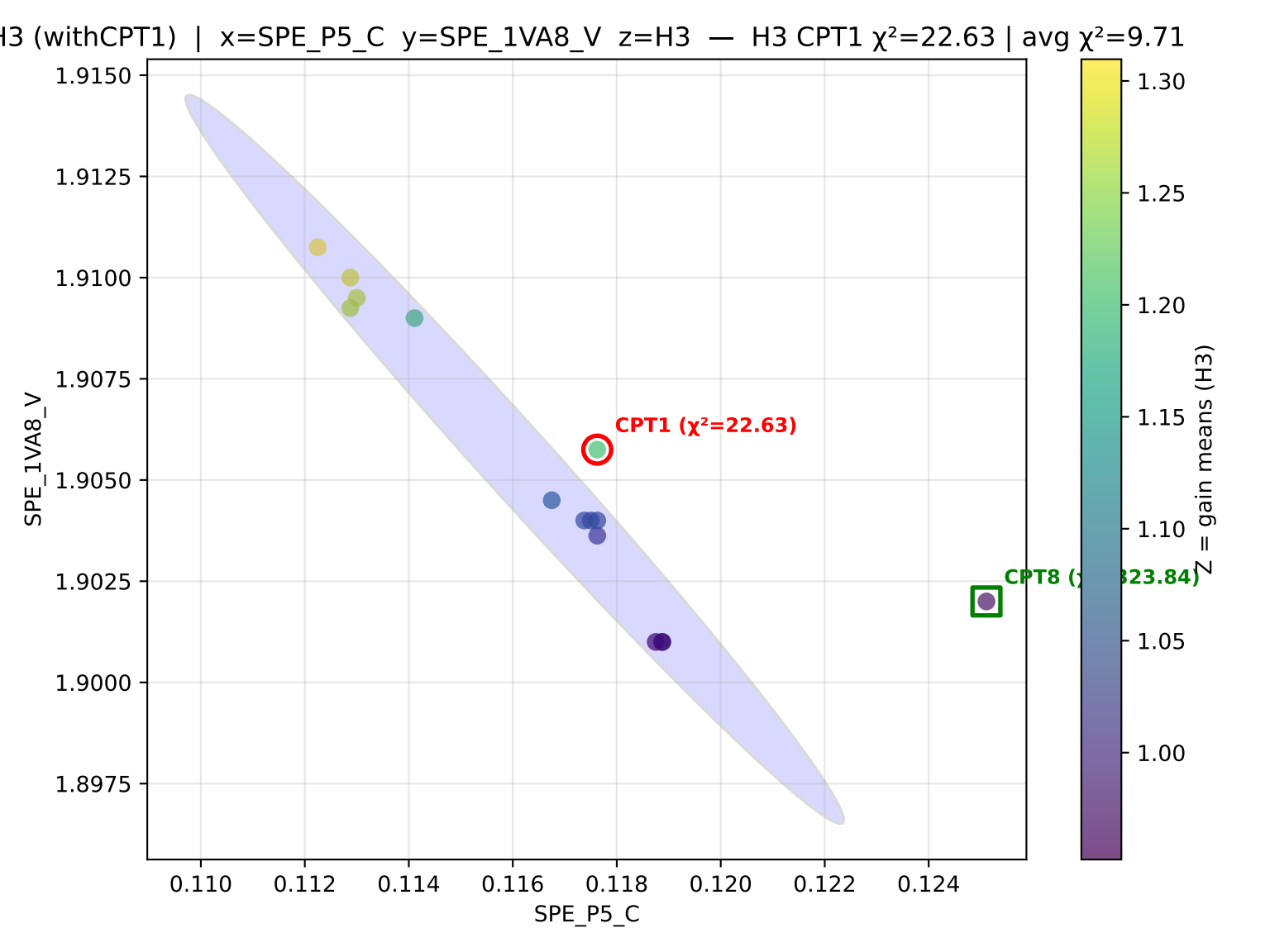
Pair: SPE_P5_C vs SPE_1VA8_V

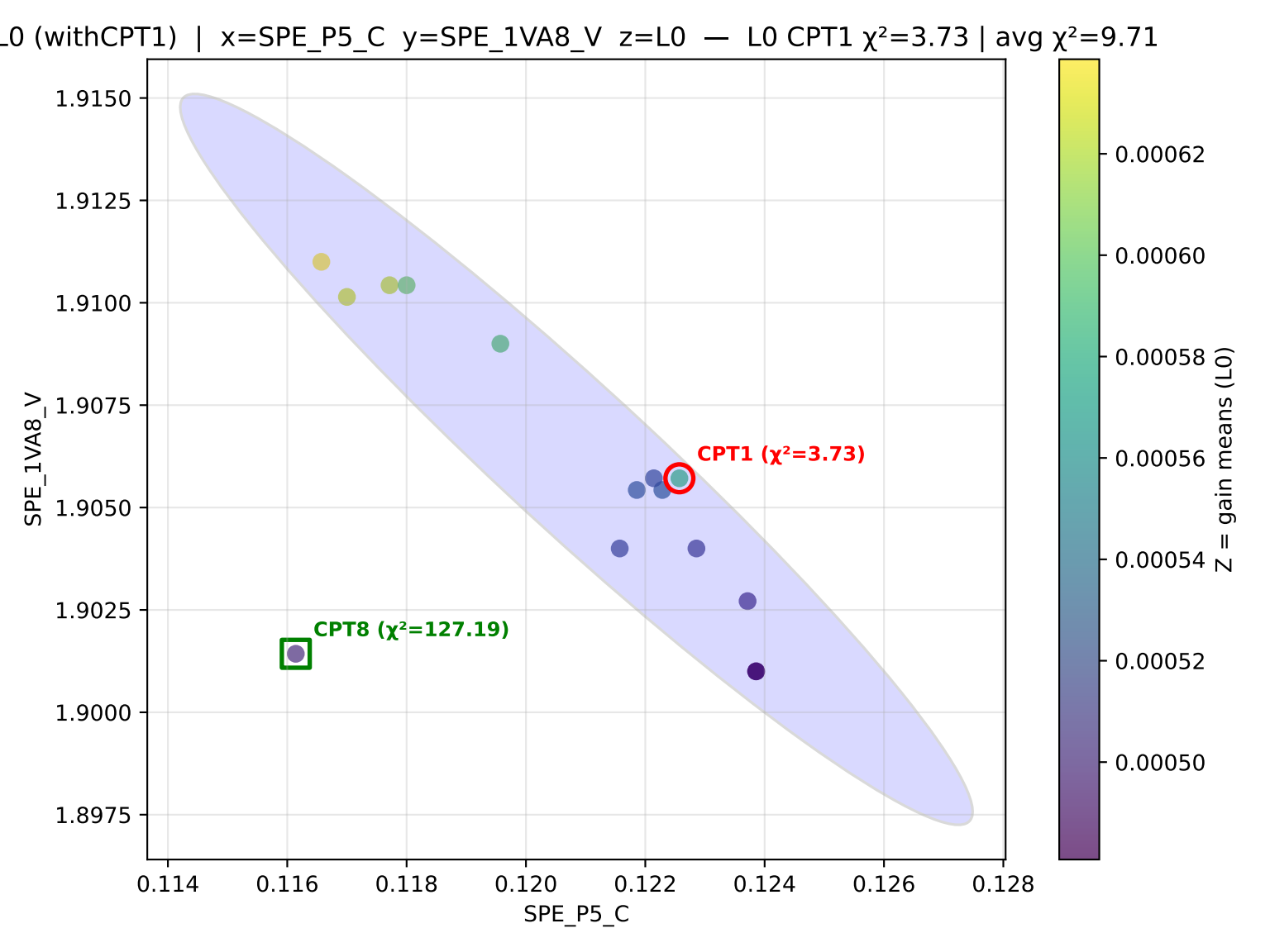
Average χ^2(CPT1) across settings: 9.71

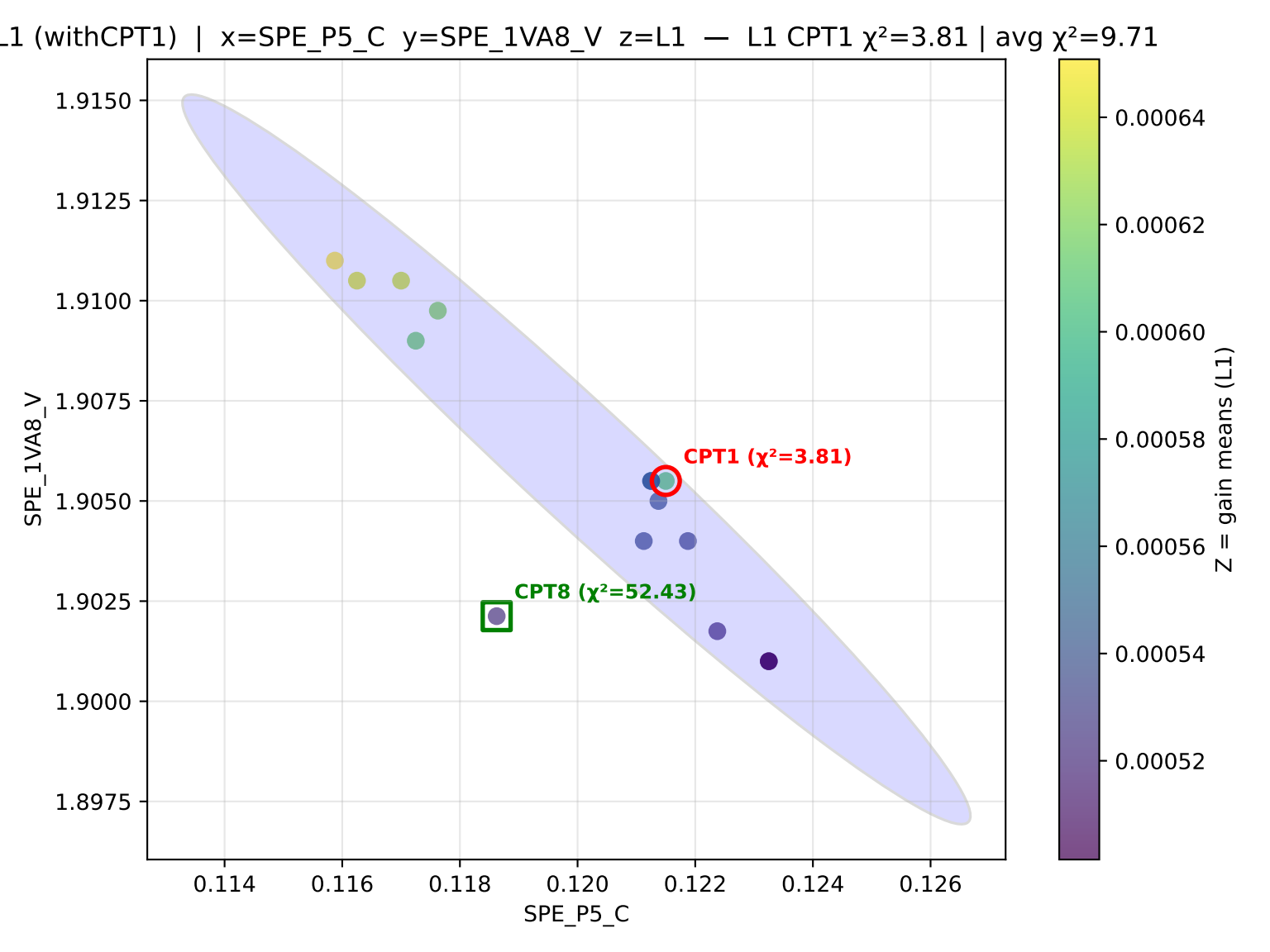

H0 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_V z=H0 — H0 CPT1 χ²=17.73 | avg χ²=9.71
CPT1 (χ²=17.73)
CPT8 (χ
79.46)
SPE_1VA8_V
SPE_P5_C
Z = gain means (H0)
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
0.110
0.112
0.114
0.116
0.118
0.120
0.122
0.124
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

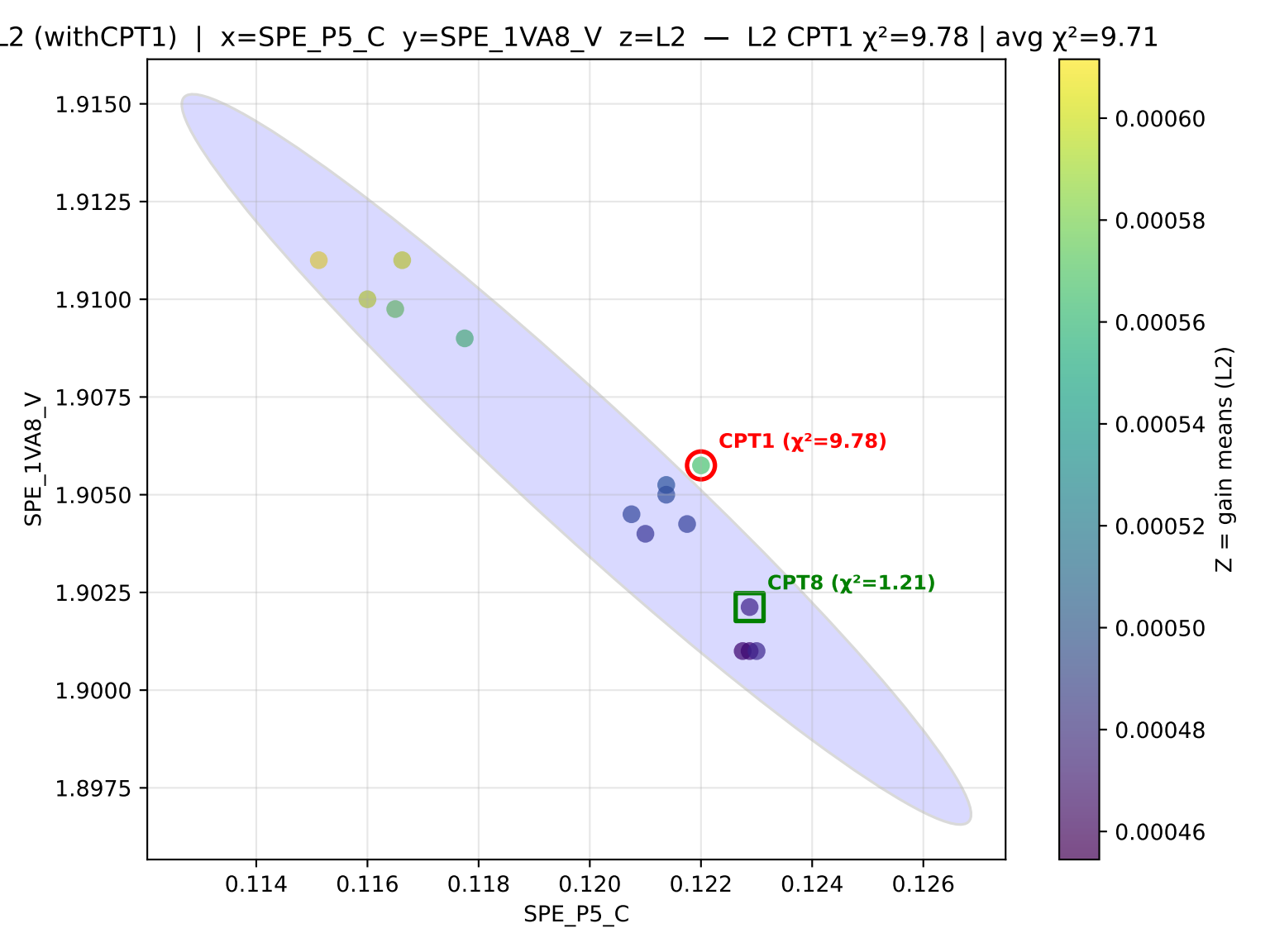

H1 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_V z=H1 — H1 CPT1 χ²=8.97 | avg χ²=9.71
CPT1 (χ²=8.97)
CPT8 (χ
218.28)
SPE_1VA8_V
SPE_P5_C
Z = gain means (H1)
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

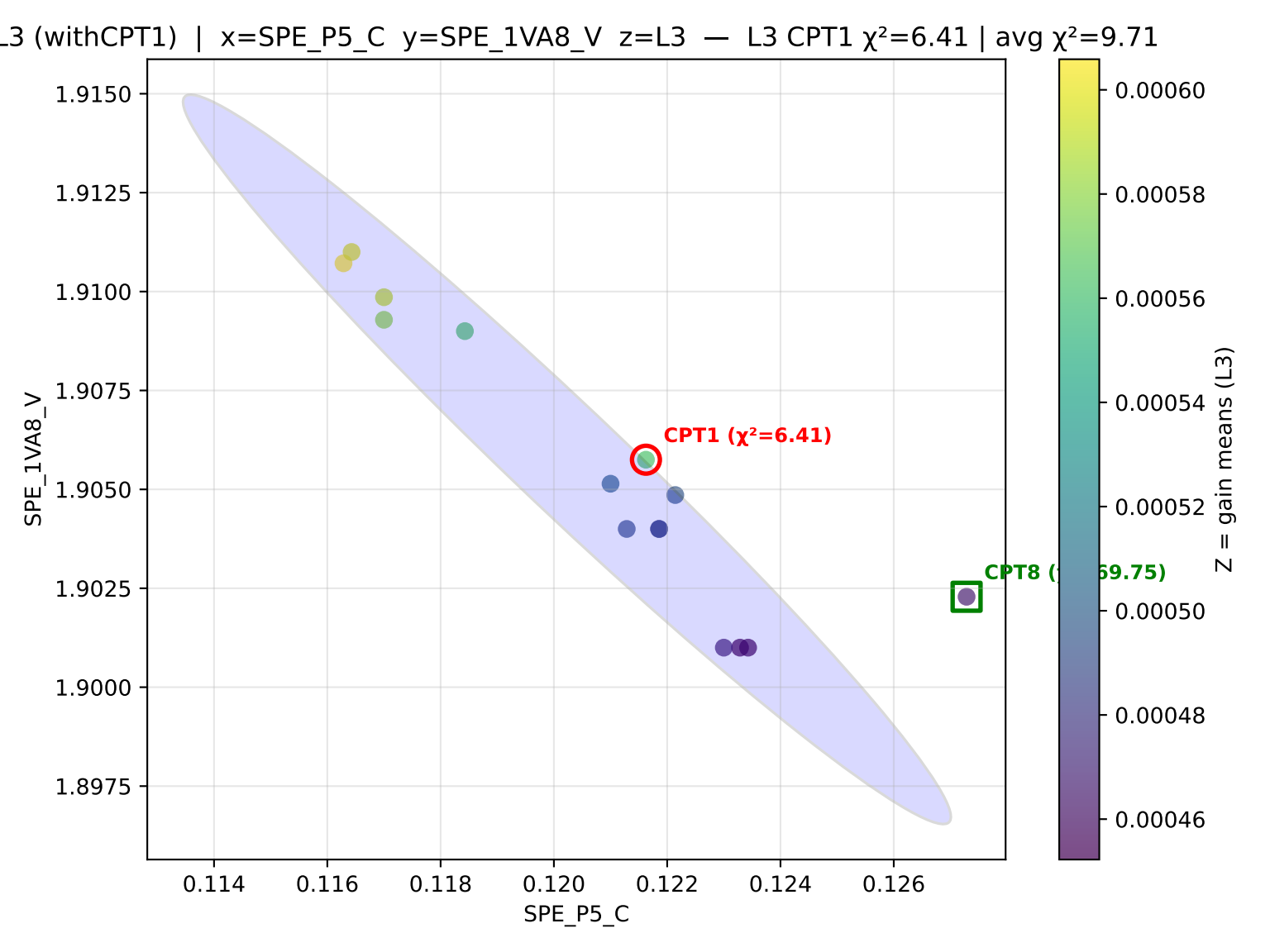

H2 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_V z=H2 — H2 CPT1 χ²=14.99 | avg χ²=9.71
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
SPE_1VA8_V
CPT1 (χ²=14.99)
CPT8 (χ
552.23)
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
0.1300
SPE_P5_C
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10
Z = gain means (H2)

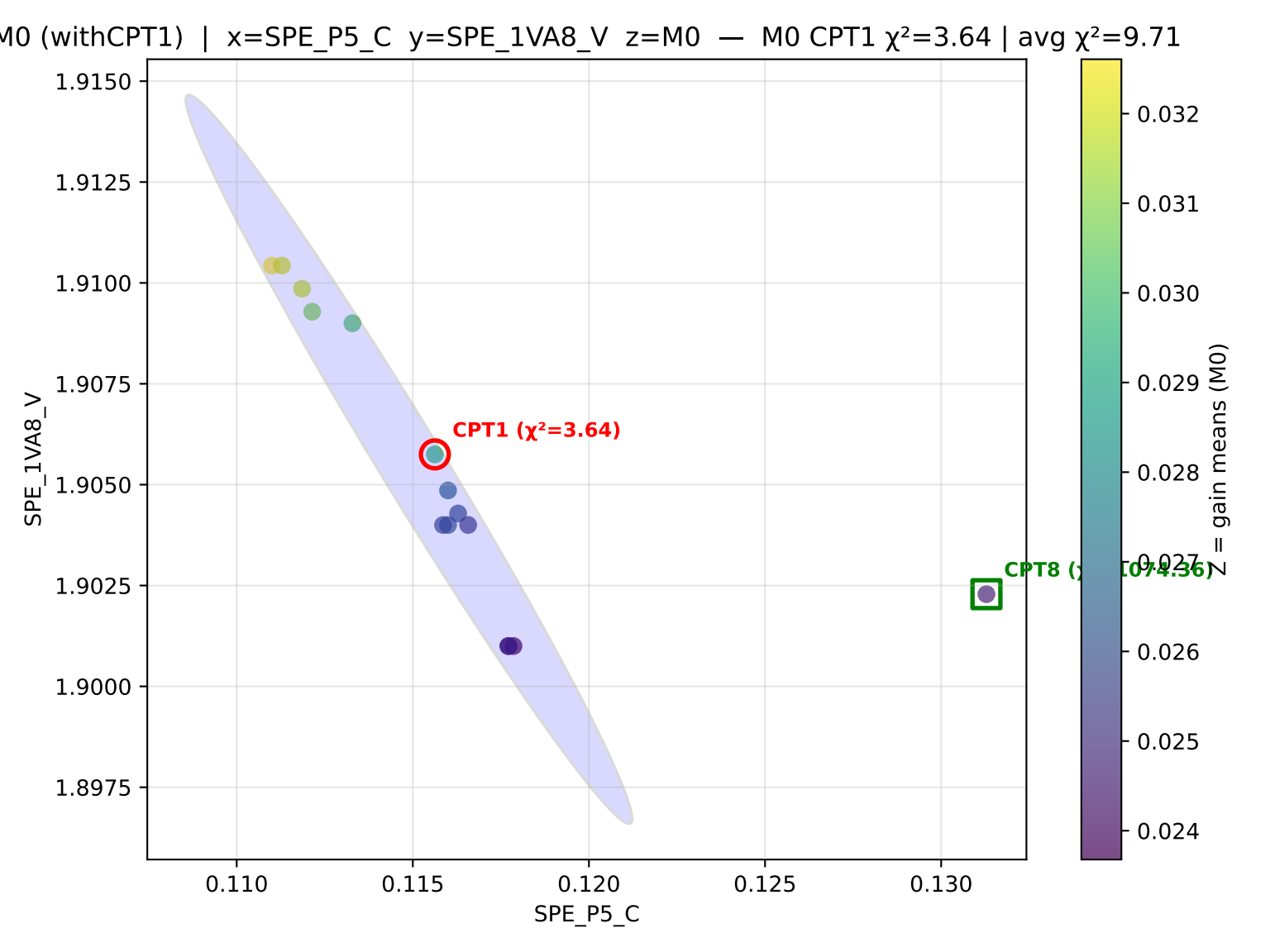

H3 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_V z=H3 — H3 CPT1 χ²=22.63 | avg χ²=9.71
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
SPE_1VA8_V
CPT1 (χ²=22.63)
CPT8 (χ
23.84)
0.110
0.112
0.114
0.116
0.118
0.120
0.122
0.124
SPE_P5_C
1.30
1.25
1.20
1.15
1.10
1.05
1.00
Z = gain means (H3)

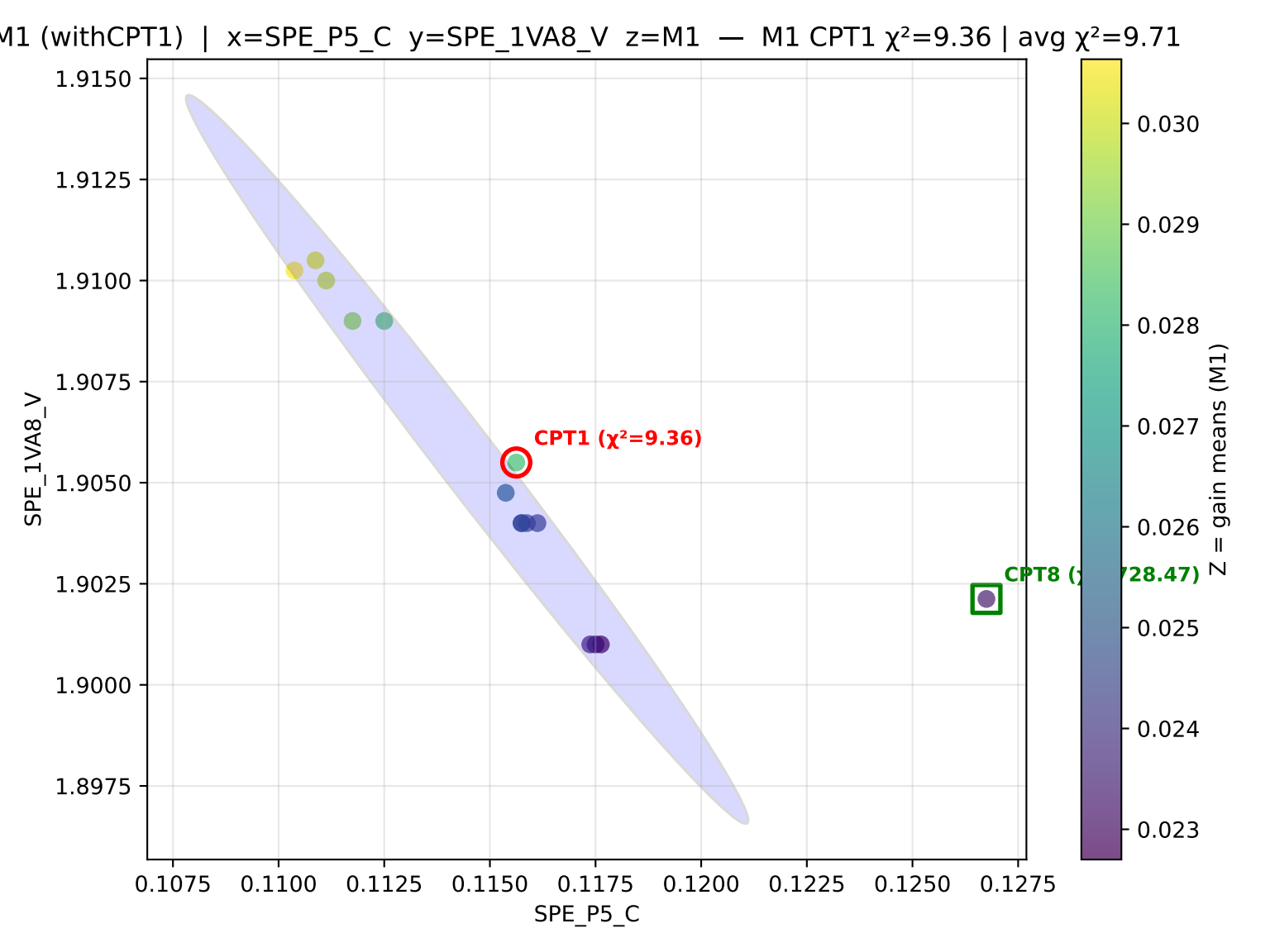

L0 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_V z=L0 — L0 CPT1 χ²=3.73 | avg χ²=9.71
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
SPE_1VA8_V
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.128
SPE_P5_C
CPT1 (χ²=3.73)
CPT8 (χ²=127.19)
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
Z = gain means (L0)

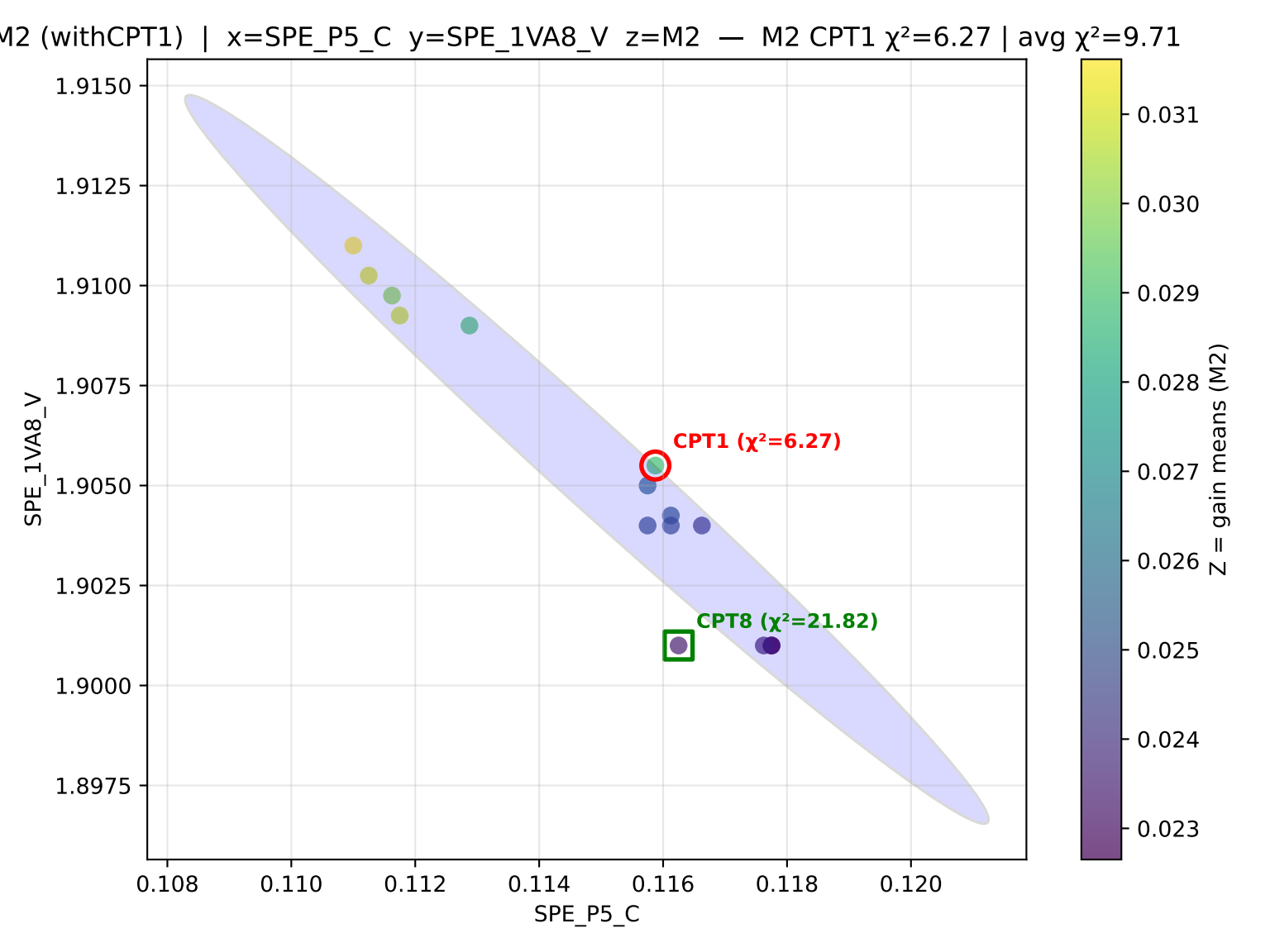

L1 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_V z=L1 — L1 CPT1 χ²=3.81 | avg χ²=9.71
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
SPE_1VA8_V
0.114
0.116
0.118
0.120
0.122
0.124
0.126
SPE_P5_C
CPT1 (χ²=3.81)
CPT8 (χ²=52.43)
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
Z = gain means (L1)

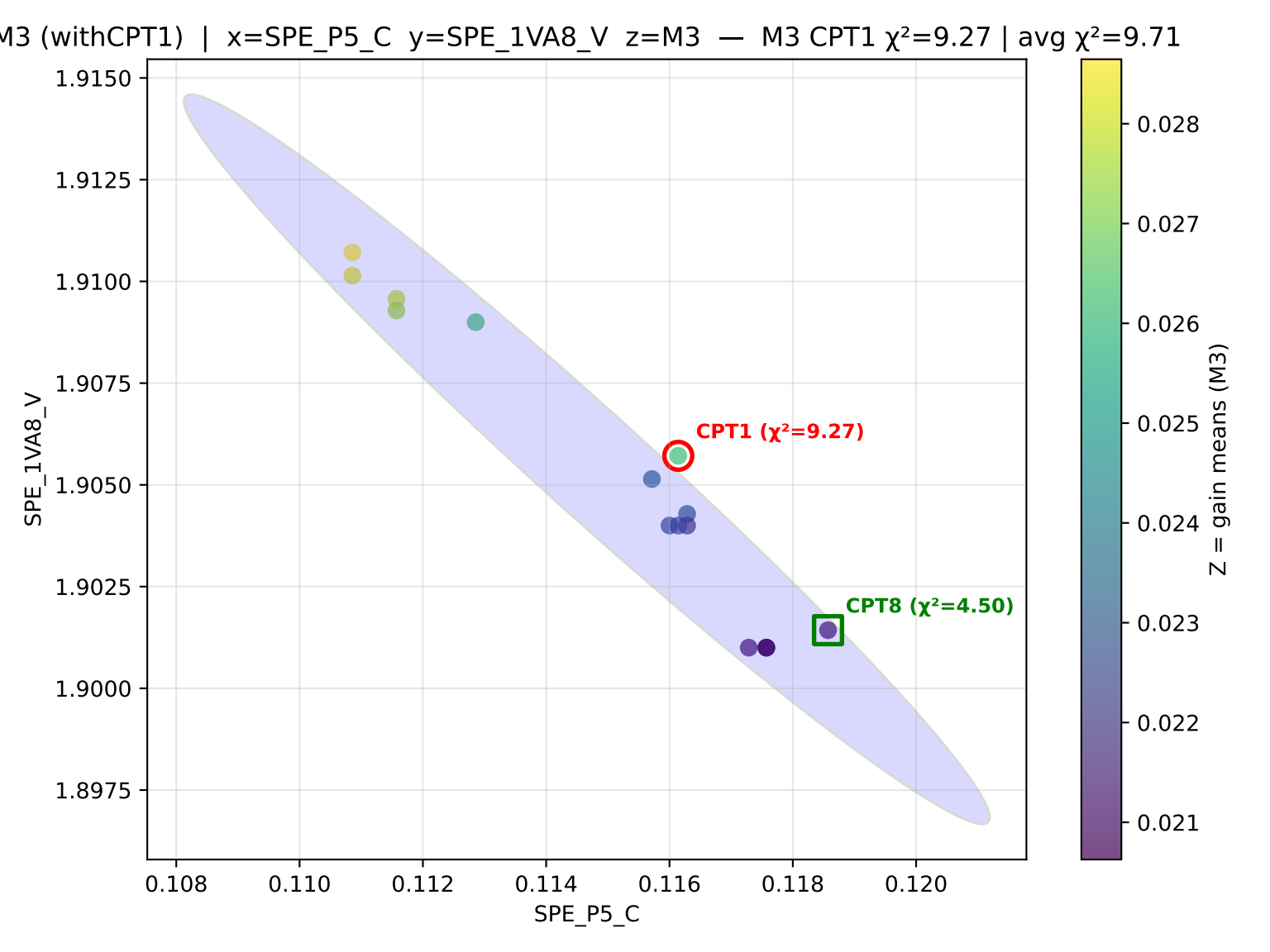

L2 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_V z=L2 — L2 CPT1 χ²=9.78 | avg χ²=9.71
CPT1 (χ²=9.78)
CPT8 (χ²=1.21)
SPE_1VA8_V
SPE_P5_C
Z = gain means (L2)
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


L3 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_V z=L3 — L3 CPT1 χ²=6.41 | avg χ²=9.71
CPT1 (χ²=6.41)
CPT8 (
69.75)
SPE_1VA8_V
SPE_P5_C
Z = gain means (L3)
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


M0 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_V z=M0 — M0 CPT1 χ²=3.64 | avg χ²=9.71
CPT1 (χ²=3.64)
CPT8 (χ
074.36)
SPE_1VA8_V
SPE_P5_C
Z = gain means (M0)
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
0.110
0.115
0.120
0.125
0.130
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

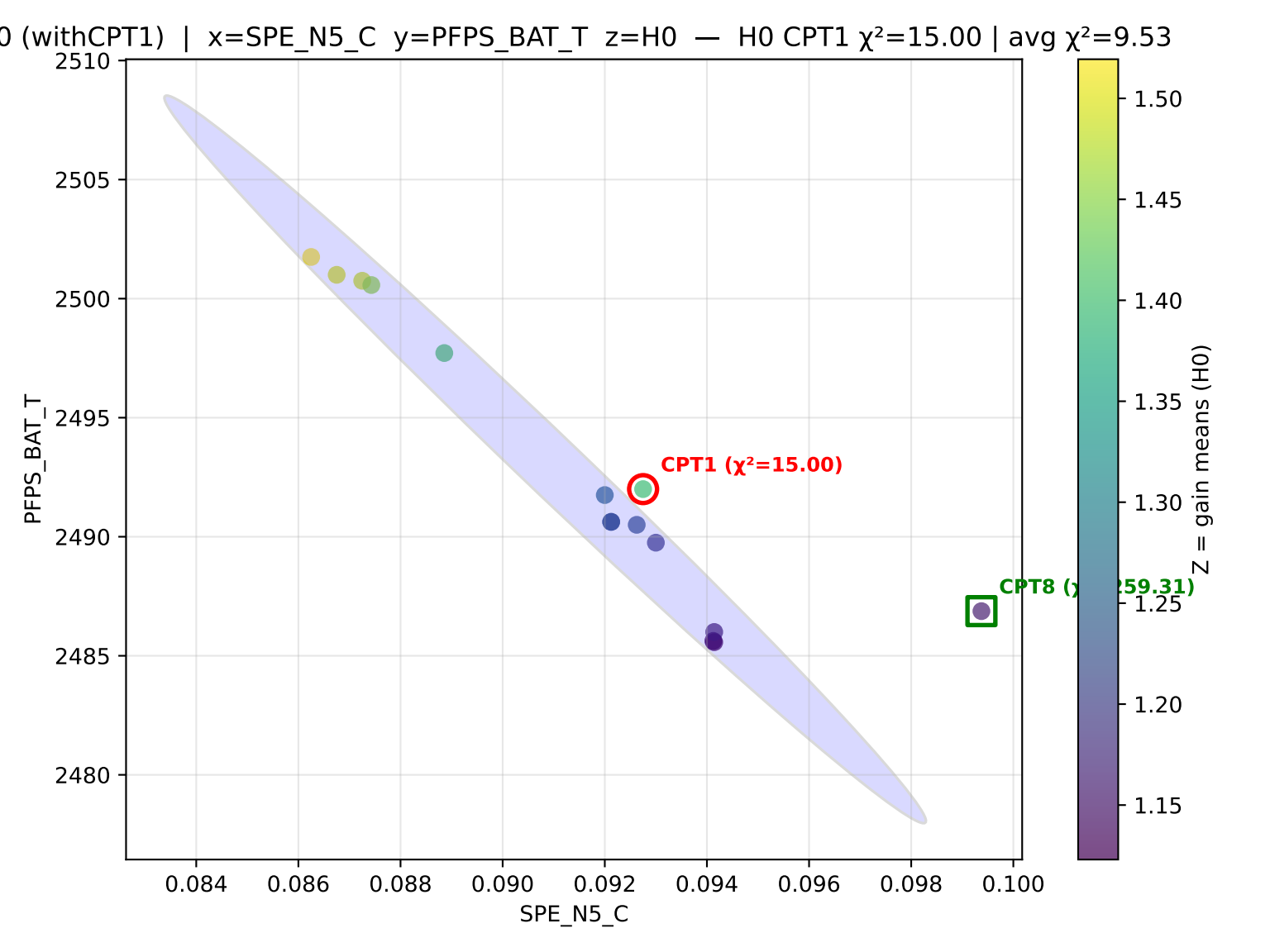

M1 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_V z=M1 — M1 CPT1 χ²=9.36 | avg χ²=9.71
CPT1 (χ²=9.36)
CPT8 (χ
728.47)
SPE_1VA8_V
SPE_P5_C
Z = gain means (M1)
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
0.1075
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

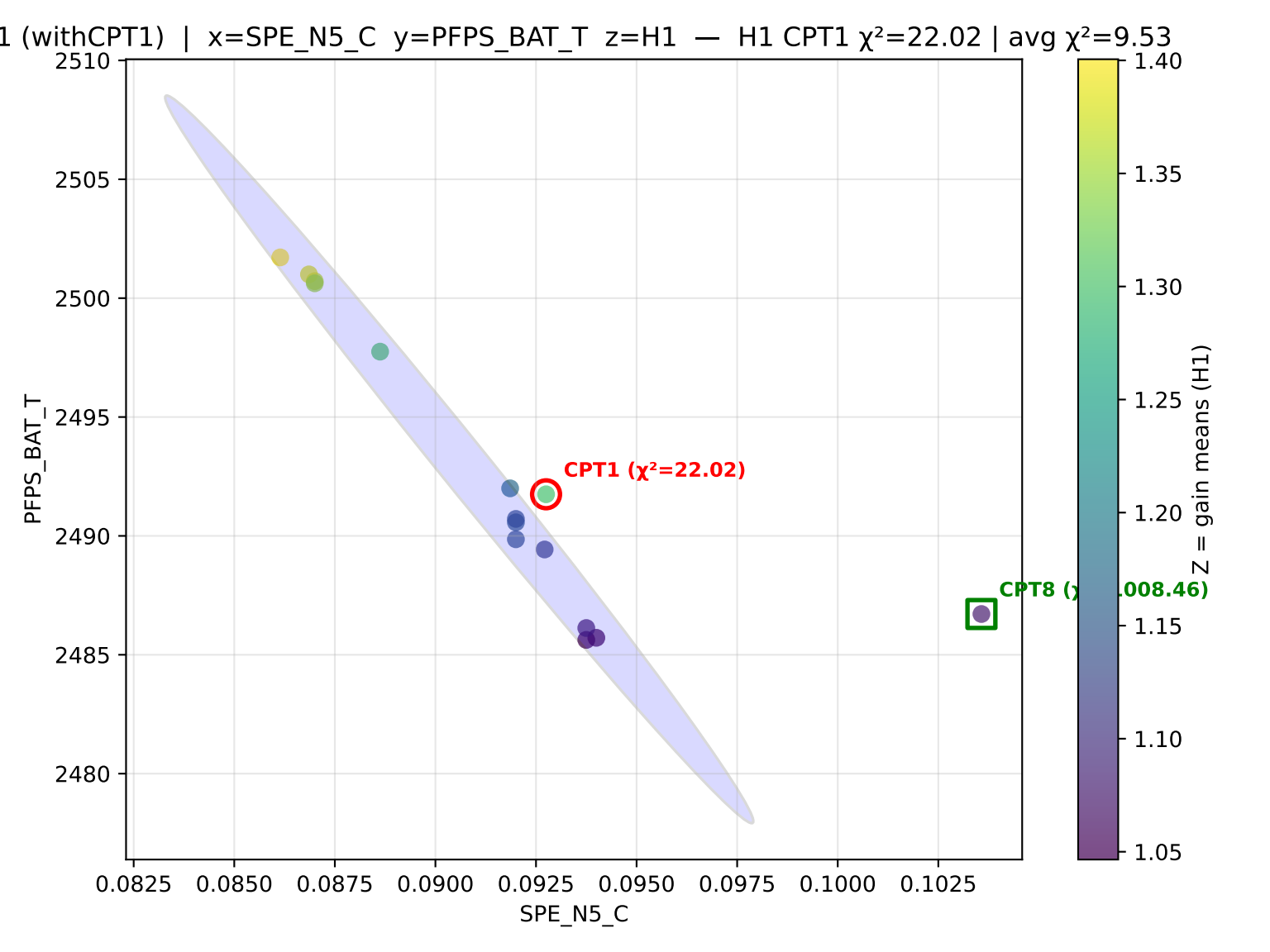

M2 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_V z=M2 — M2 CPT1 χ²=6.27 | avg χ²=9.71
CPT1 (χ²=6.27)
CPT8 (χ²=21.82)
SPE_1VA8_V
SPE_P5_C
Z = gain means (M2)
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
0.108
0.110
0.112
0.114
0.116
0.118
0.120
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

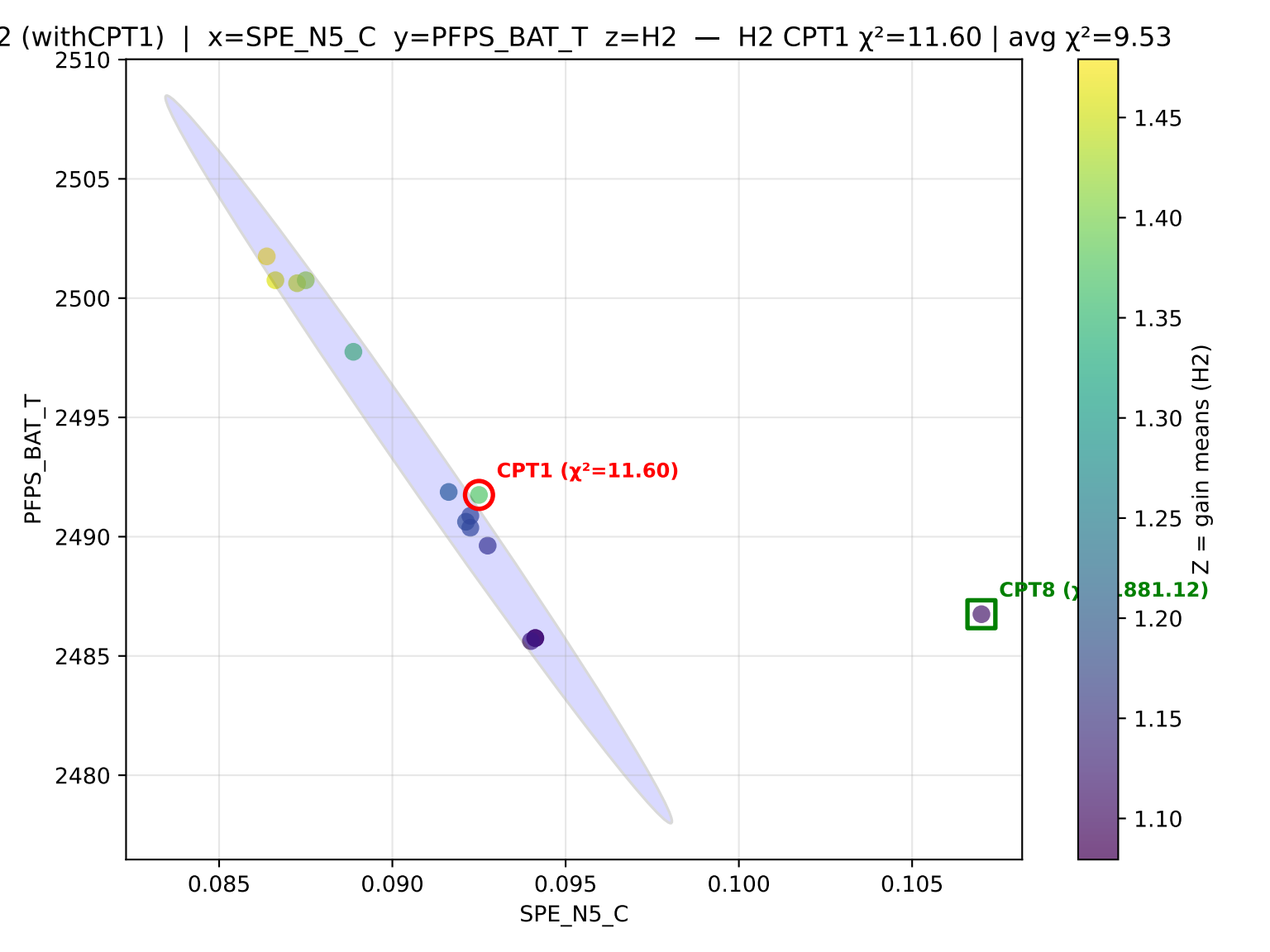

M3 (withCPT1) | x=SPE_P5_C y=SPE_1VA8_V z=M3 — M3 CPT1 χ²=9.27 | avg χ²=9.71
1.9150
1.9125
1.9100
1.9075
1.9050
1.9025
1.9000
1.8975
SPE_1VA8_V
0.108
0.110
0.112
0.114
0.116
0.118
0.120
SPE_P5_C
CPT1 (χ²=9.27)
CPT8 (χ²=4.50)
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021
Z = gain means (M3)

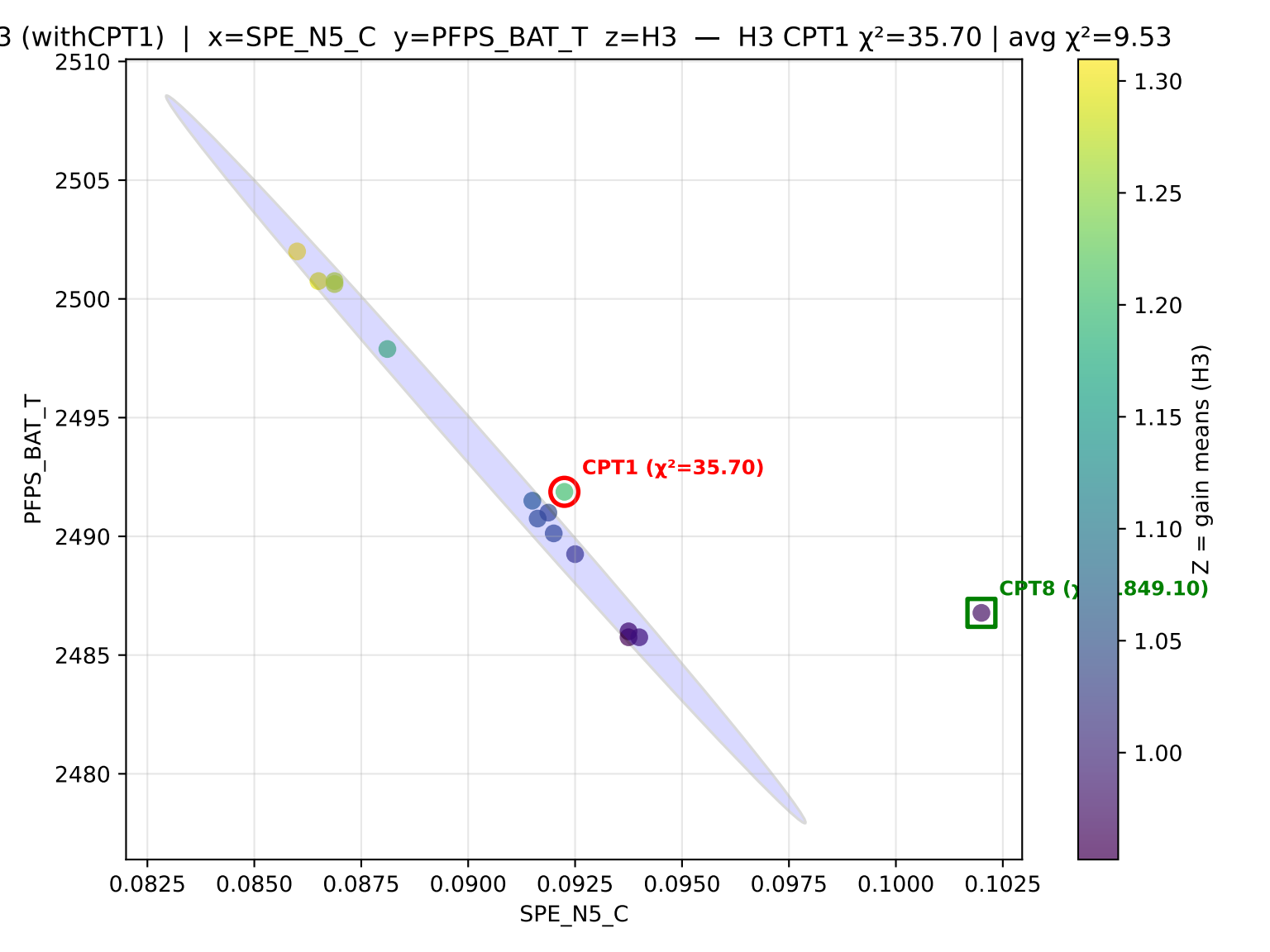
Pair: SPE_N5_C vs PFPS_BAT_T

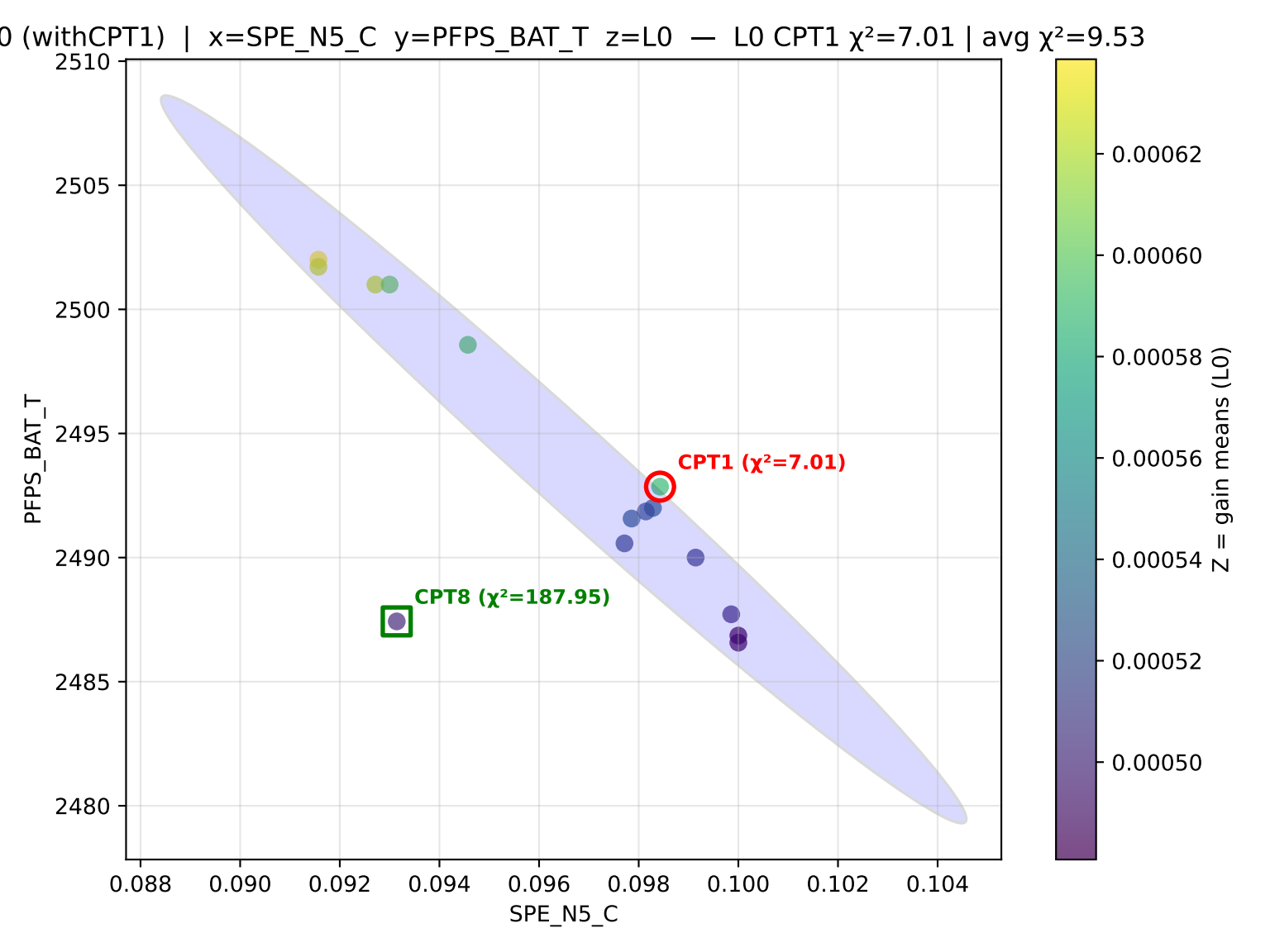
Average χ^2(CPT1) across settings: 9.53

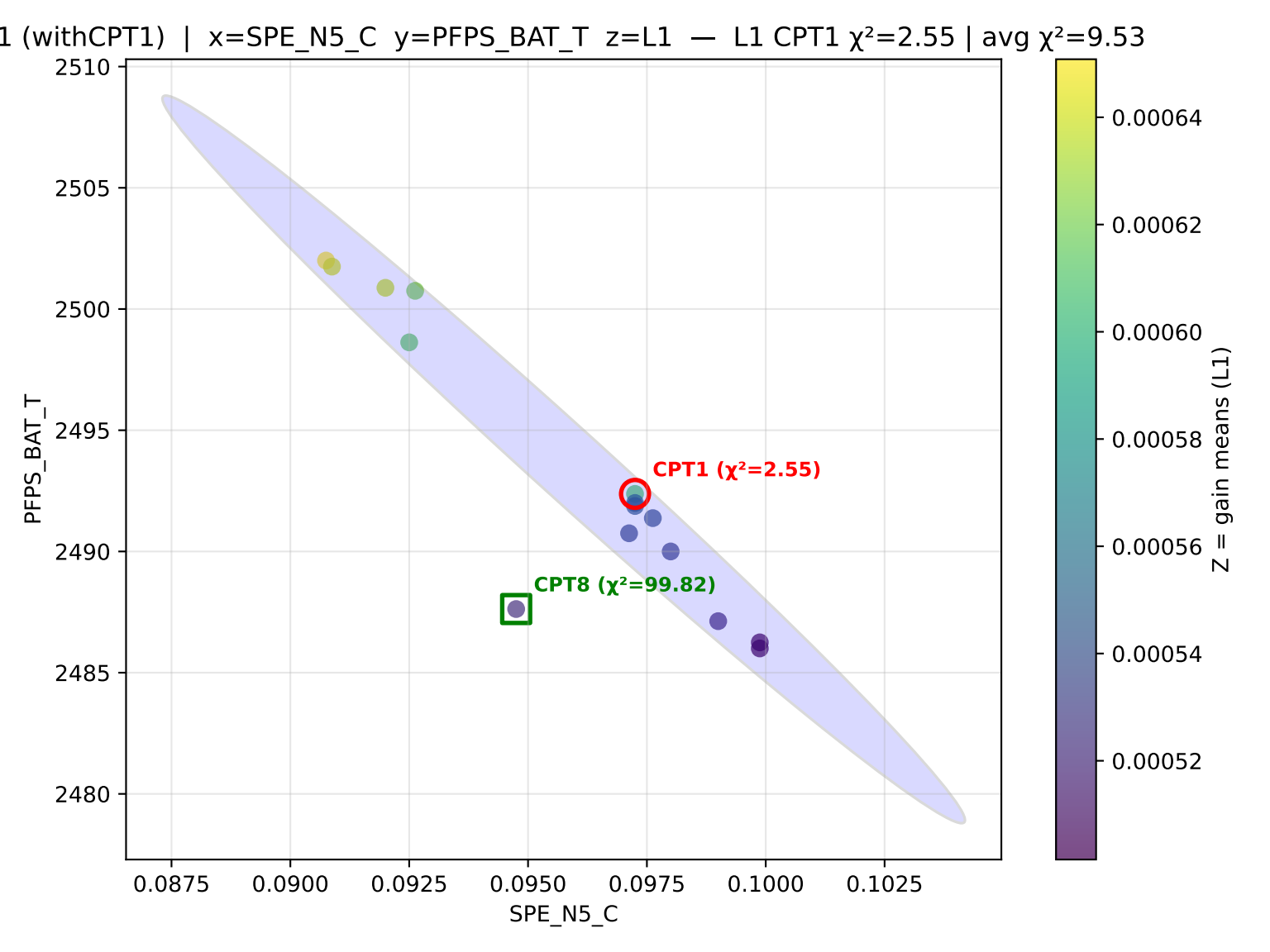

0 (withCPT1) | x=SPE_N5_C y=PFPS_BAT_T z=H0 — H0 CPT1 χ²=15.00 | avg χ²=9.53
CPT1 (χ²=15.00)
CPT8 (χ
259.31)
PFPS_BAT_T
SPE_N5_C
Z = gain means (H0)
2510
2505
2500
2495
2490
2485
2480
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.100
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

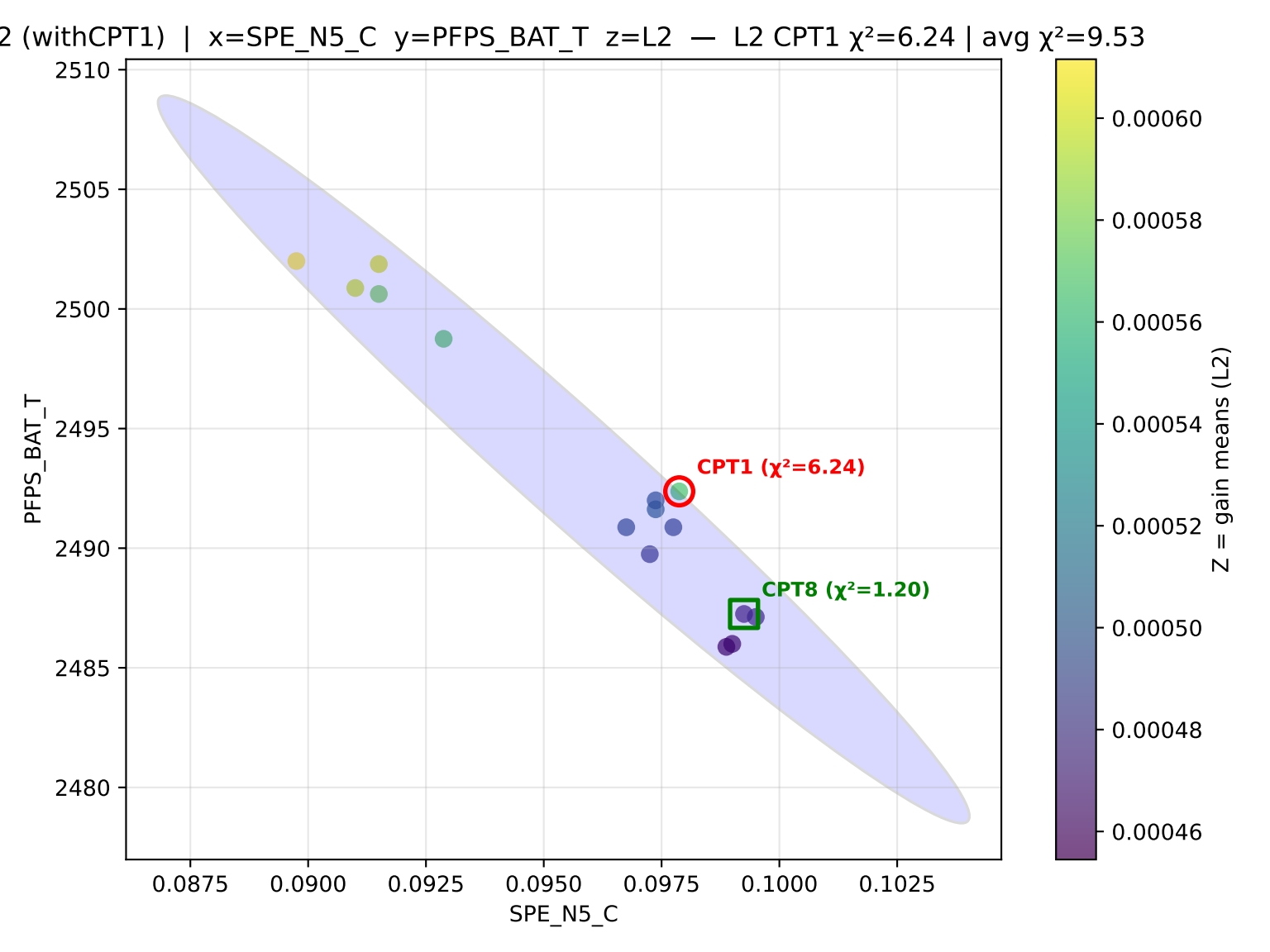

1 (withCPT1) | x=SPE_N5_C y=PFPS_BAT_T z=H1 — H1 CPT1 χ²=22.02 | avg χ²=9.53
CPT1 (χ²=22.02)
CPT8 (χ
.008.46)
PFPS_BAT_T
SPE_N5_C
Z = gain means (H1)
2510
2505
2500
2495
2490
2485
2480
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

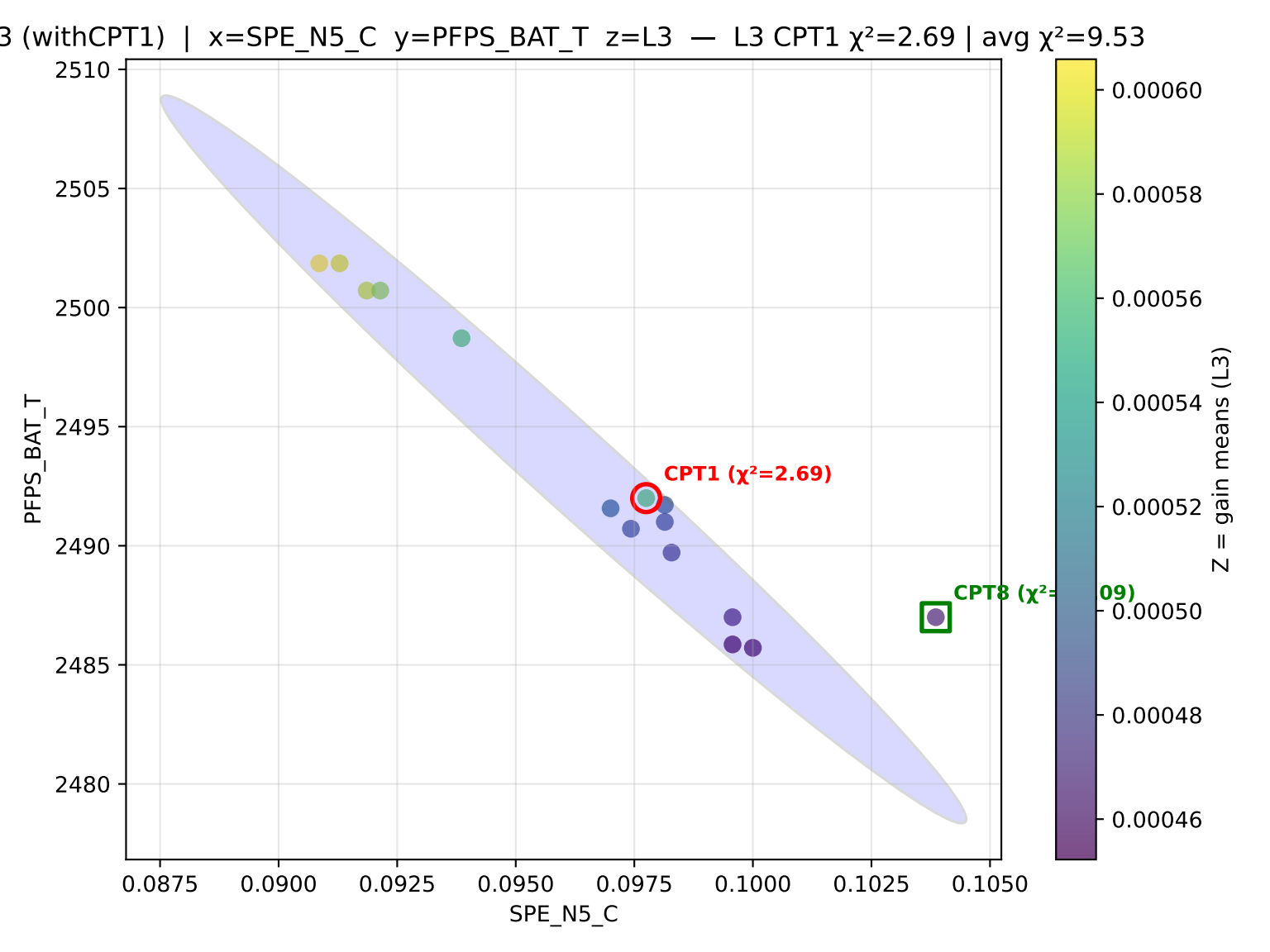

2 (withCPT1) | x=SPE_N5_C y=PFPS_BAT_T z=H2 — H2 CPT1 χ²=11.60 | avg χ²=9.53
2510
2505
2500
2495
2490
2485
2480
PFPS_BAT_T
CPT1 (χ²=11.60)
CPT8 (χ
.881.12)
0.085
0.090
0.095
0.100
0.105
SPE_N5_C
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10
Z = gain means (H2)

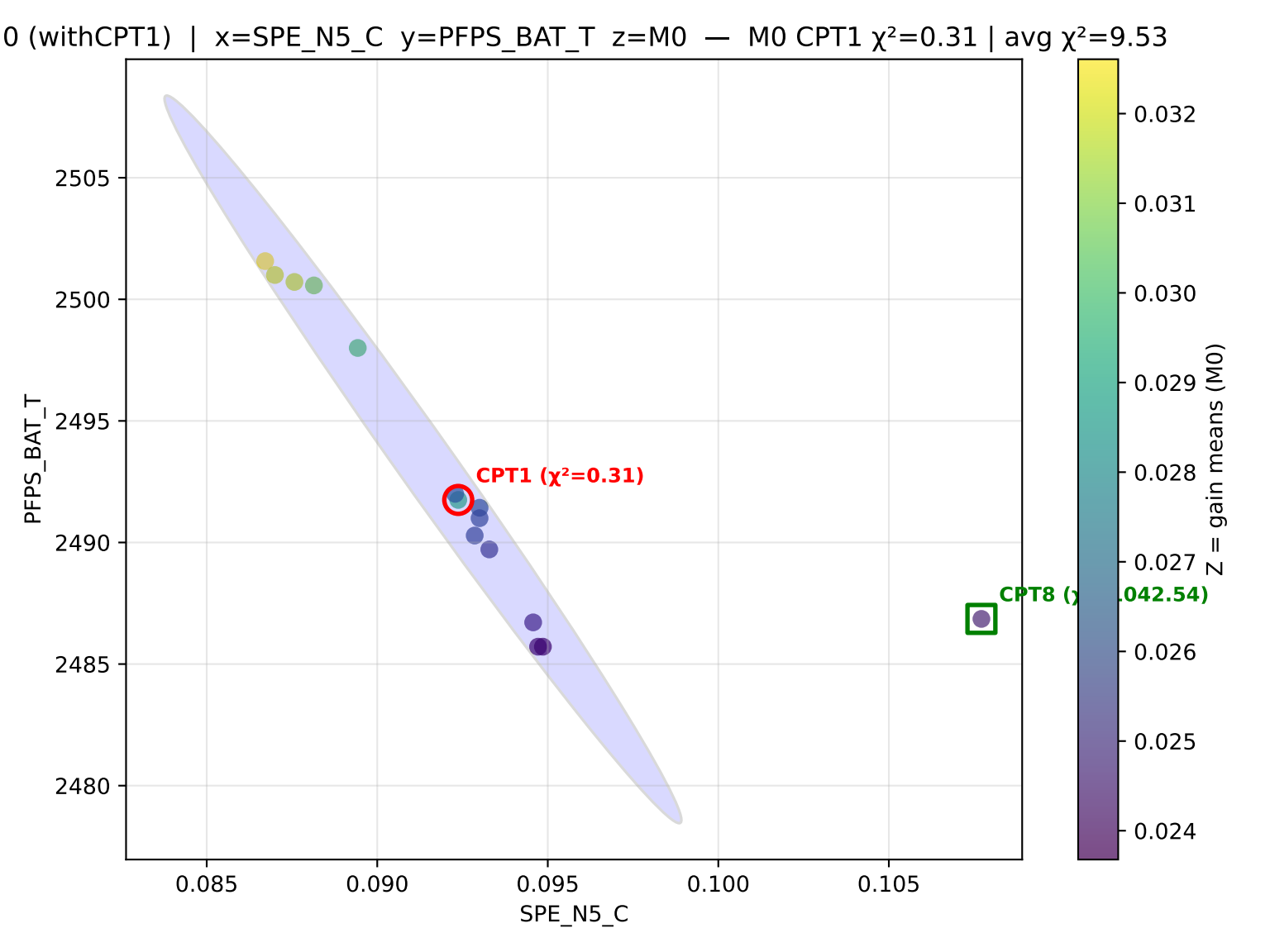

3 (withCPT1) | x=SPE_N5_C y=PFPS_BAT_T z=H3 — H3 CPT1 χ²=35.70 | avg χ²=9.53
PFPS_BAT_T
SPE_N5_C
Z = gain means (H3)
CPT1 (χ²=35.70)
CPT8 (χ
.849.10)
2510
2505
2500
2495
2490
2485
2480
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
1.30
1.25
1.20
1.15
1.10
1.05
1.00

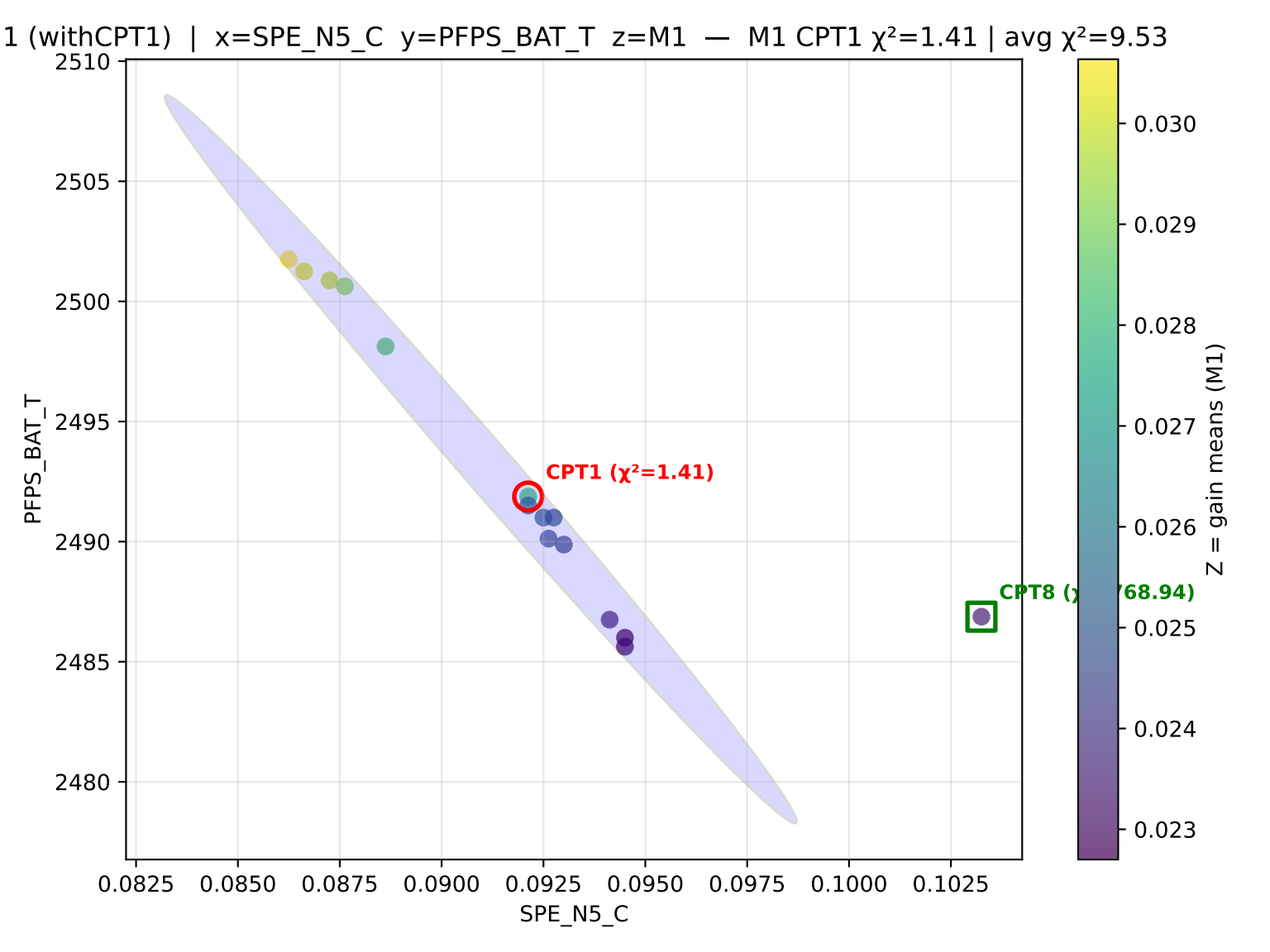

0 (withCPT1) | x=SPE_N5_C y=PFPS_BAT_T z=L0 — L0 CPT1 χ²=7.01 | avg χ²=9.53
CPT1 (χ²=7.01)
CPT8 (χ²=187.95)
PFPS_BAT_T
SPE_N5_C
Z = gain means (L0)
2510
2505
2500
2495
2490
2485
2480
0.088
0.090
0.092
0.094
0.096
0.098
0.100
0.102
0.104
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

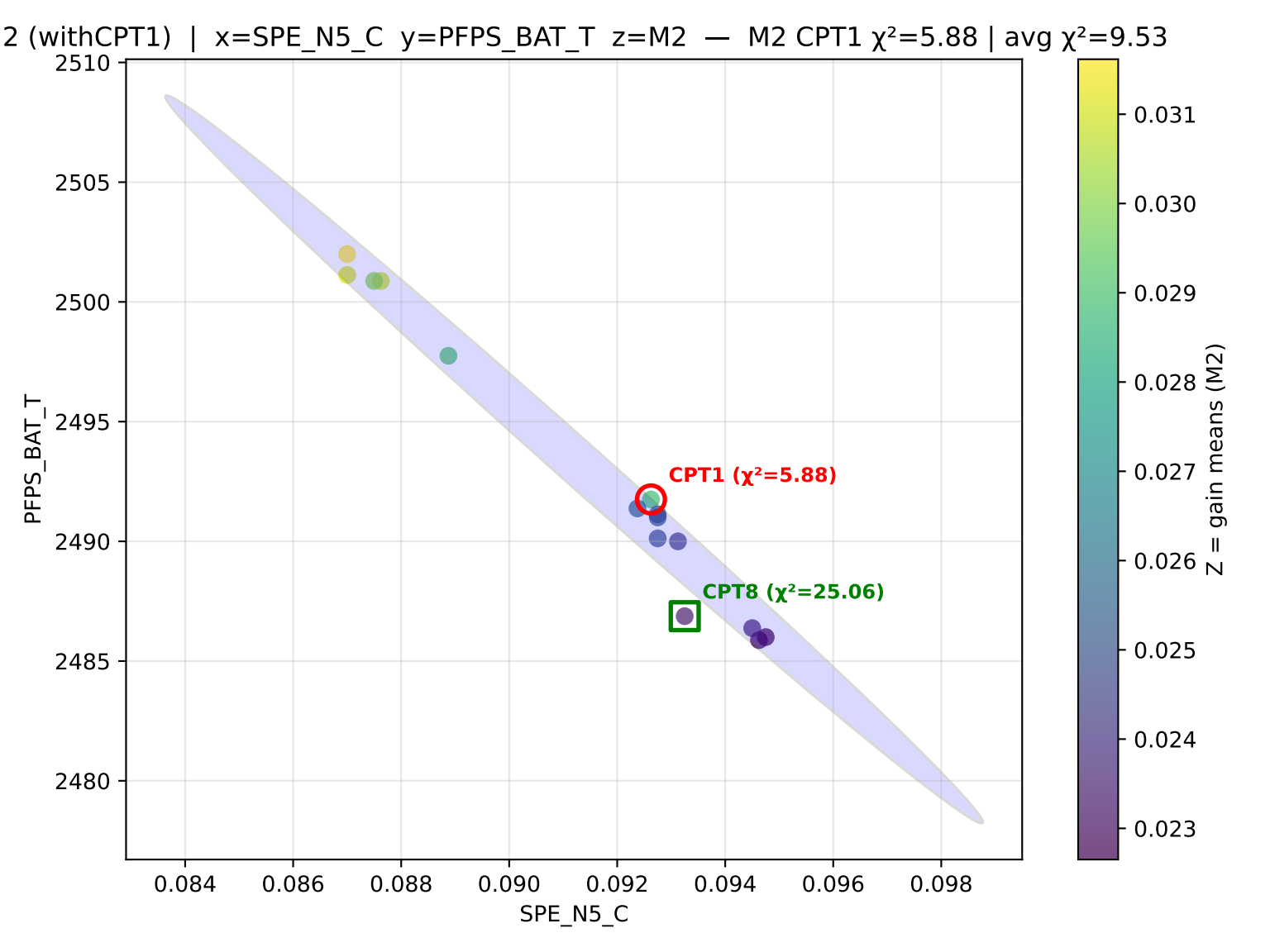

1 (withCPT1) | x=SPE_N5_C y=PFPS_BAT_T z=L1 — L1 CPT1 χ²=2.55 | avg χ²=9.53
CPT1 (χ²=2.55)
CPT8 (χ²=99.82)
PFPS_BAT_T
SPE_N5_C
Z = gain means (L1)
2510
2505
2500
2495
2490
2485
2480
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052

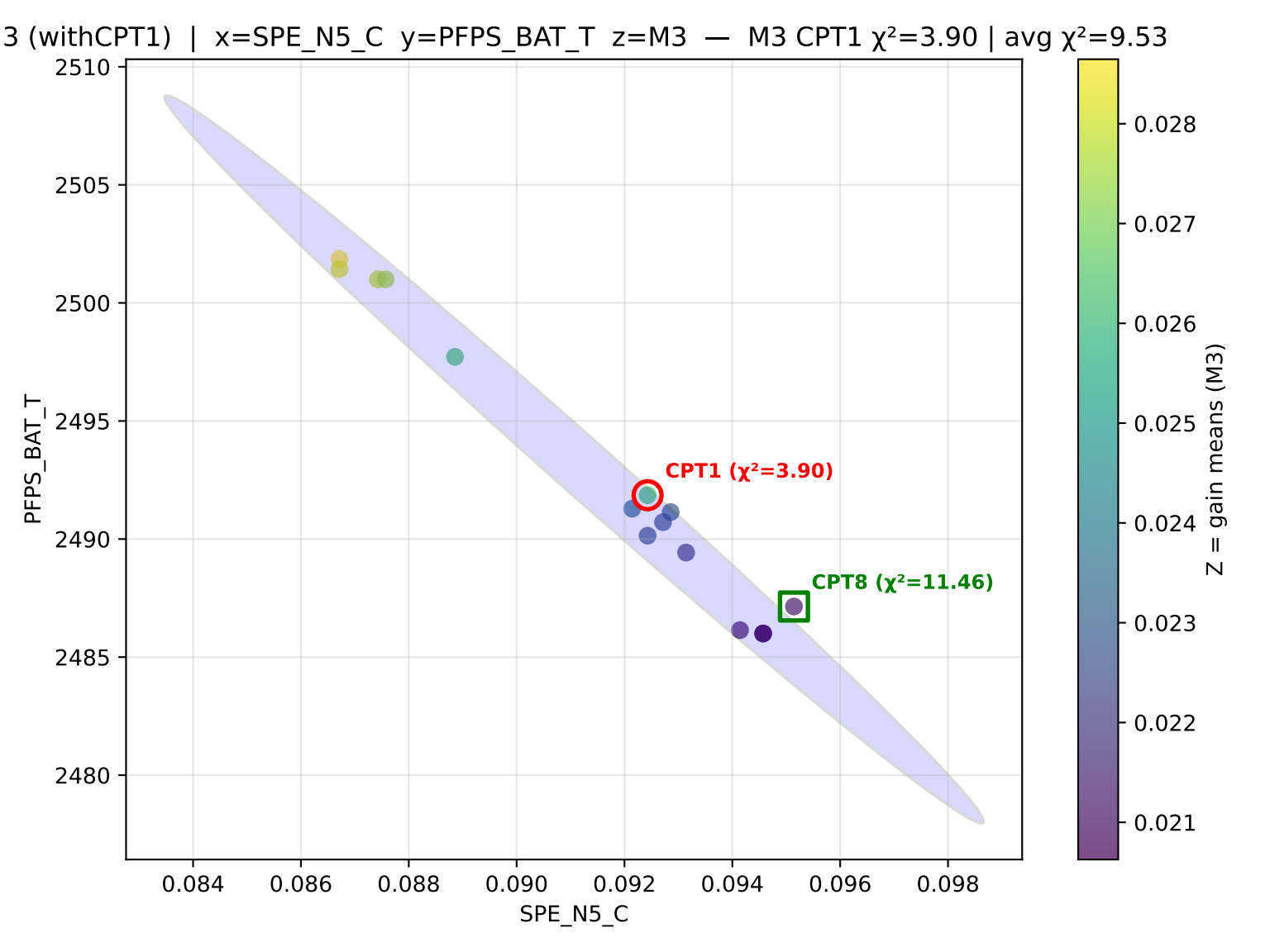

2 (withCPT1) | x=SPE_N5_C y=PFPS_BAT_T z=L2 — L2 CPT1 χ²=6.24 | avg χ²=9.53
CPT1 (χ²=6.24)
CPT8 (χ²=1.20)
PFPS_BAT_T
SPE_N5_C
Z = gain means (L2)
2510
2505
2500
2495
2490
2485
2480
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


3 (withCPT1) | x=SPE_N5_C y=PFPS_BAT_T z=L3 — L3 CPT1 χ²=2.69 | avg χ²=9.53
CPT1 (χ²=2.69)
CPT8 (χ²=
09)
PFPS_BAT_T
SPE_N5_C
Z = gain means (L3)
2510
2505
2500
2495
2490
2485
2480
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
0.1050
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


0 (withCPT1) | x=SPE_N5_C y=PFPS_BAT_T z=M0 — M0 CPT1 χ²=0.31 | avg χ²=9.53
CPT1 (χ²=0.31)
CPT8 (χ
042.54)
PFPS_BAT_T
SPE_N5_C
Z = gain means (M0)
2505
2500
2495
2490
2485
2480
0.085
0.090
0.095
0.100
0.105
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

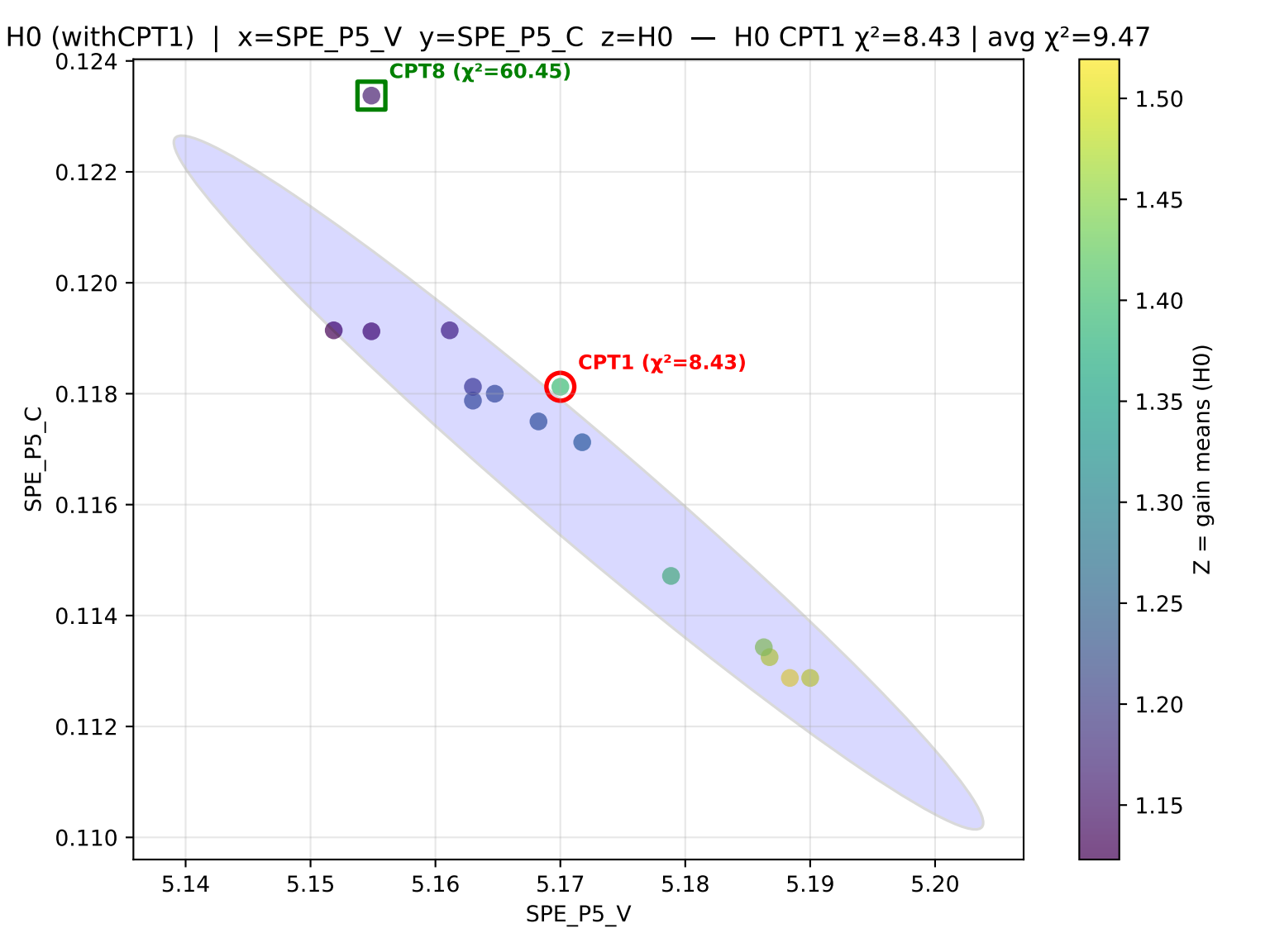

1 (withCPT1) | x=SPE_N5_C y=PFPS_BAT_T z=M1 — M1 CPT1 χ²=1.41 | avg χ²=9.53
2510
2505
2500
2495
2490
2485
2480
PFPS_BAT_T
CPT1 (χ²=1.41)
CPT8 (χ
768.94)
0.0825
0.0850
0.0875
0.0900
0.0925
0.0950
0.0975
0.1000
0.1025
SPE_N5_C
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023
Z = gain means (M1)

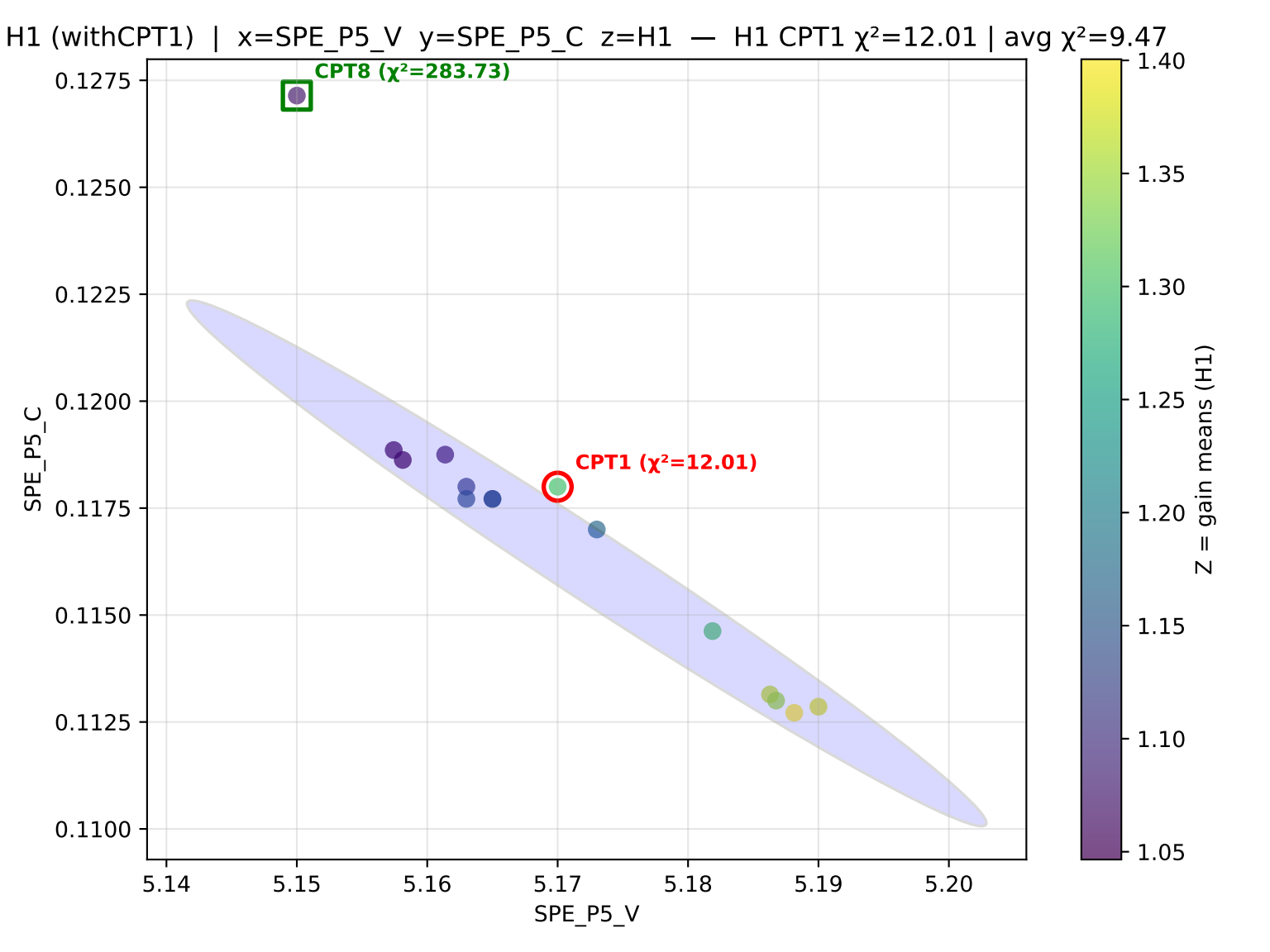

2 (withCPT1) | x=SPE_N5_C y=PFPS_BAT_T z=M2 — M2 CPT1 χ²=5.88 | avg χ²=9.53
CPT1 (χ²=5.88)
CPT8 (χ²=25.06)
PFPS_BAT_T
SPE_N5_C
Z = gain means (M2)
2510
2505
2500
2495
2490
2485
2480
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

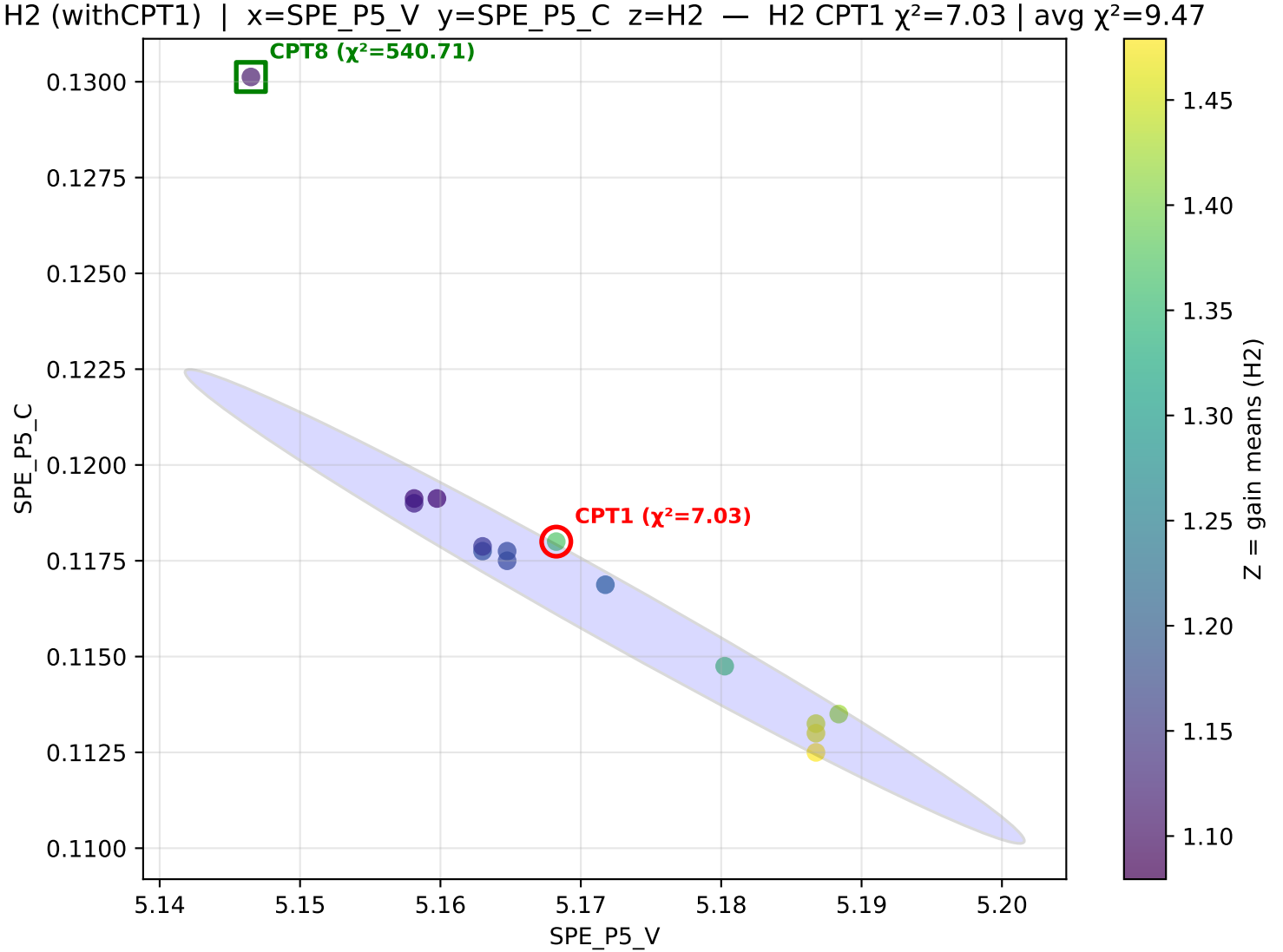

3 (withCPT1) | x=SPE_N5_C y=PFPS_BAT_T z=M3 — M3 CPT1 χ²=3.90 | avg χ²=9.53
CPT1 (χ²=3.90)
CPT8 (χ²=11.46)
PFPS_BAT_T
SPE_N5_C
Z = gain means (M3)
2510
2505
2500
2495
2490
2485
2480
0.084
0.086
0.088
0.090
0.092
0.094
0.096
0.098
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

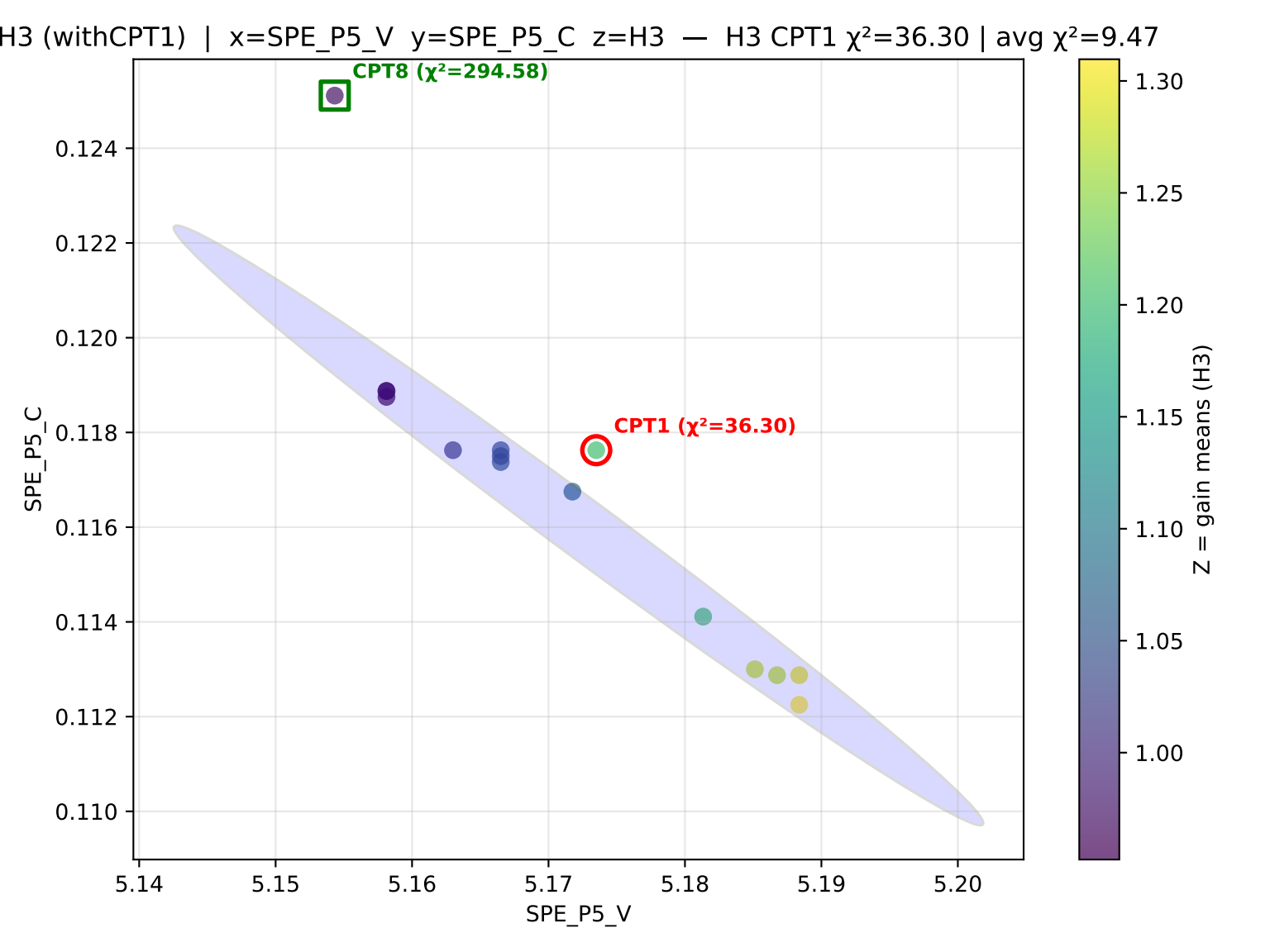
Pair: SPE_P5_V vs SPE_P5_C

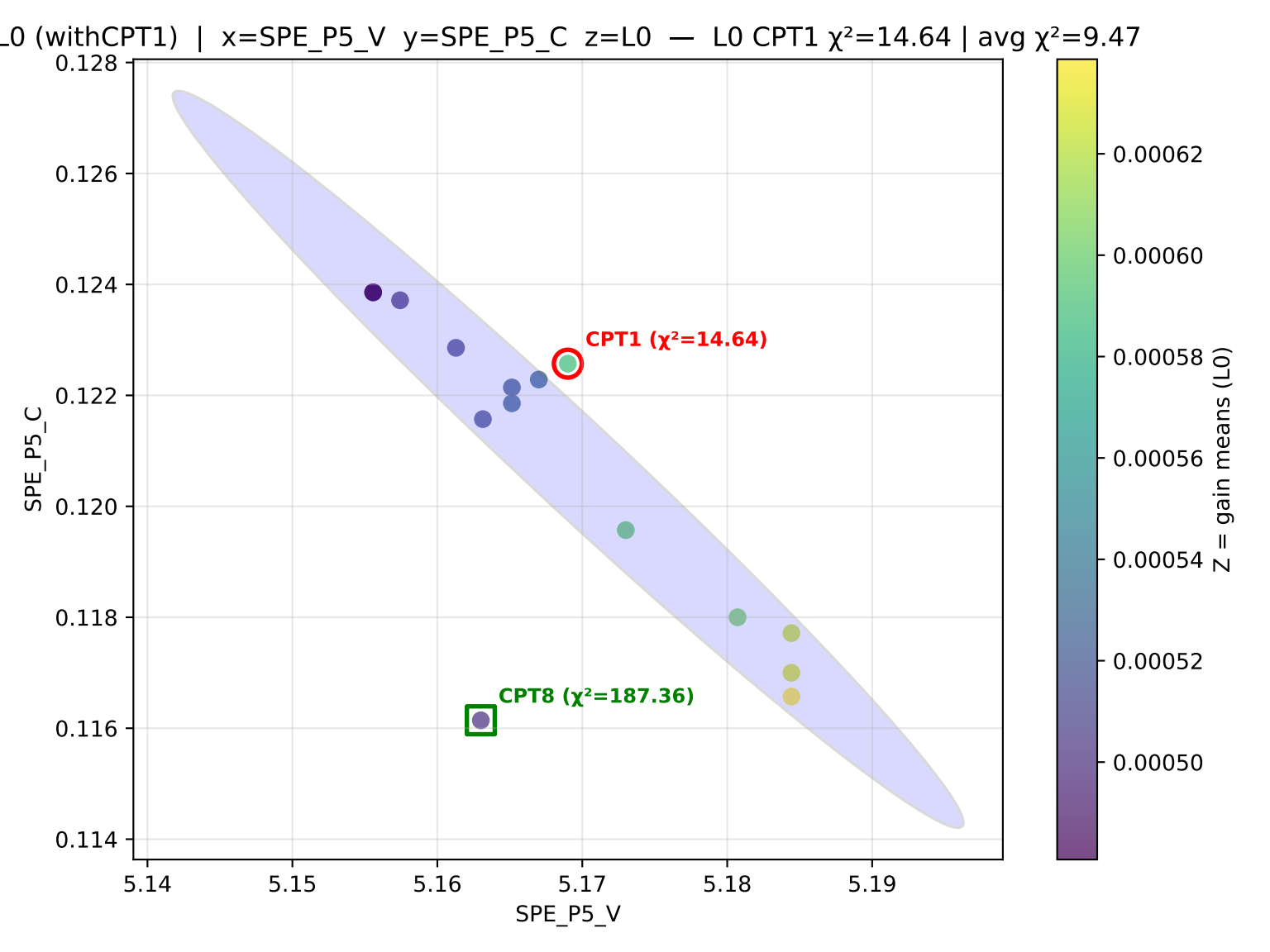
Average χ^2(CPT1) across settings: 9.47

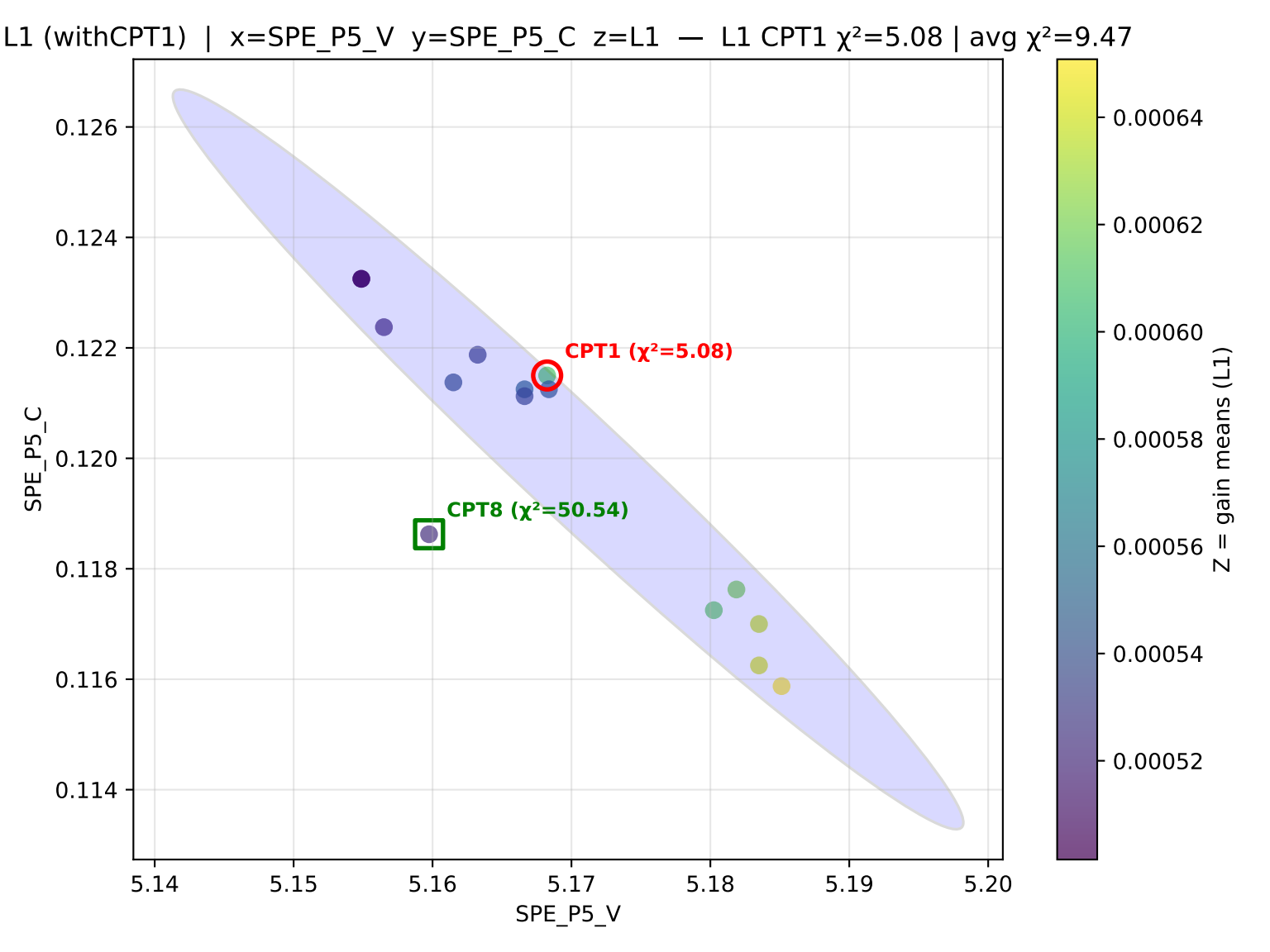

H0 (withCPT1) | x=SPE_P5_V y=SPE_P5_C z=H0 — H0 CPT1 χ²=8.43 | avg χ²=9.47
CPT8 (χ²=60.45)
CPT1 (χ²=8.43)
SPE_P5_C
SPE_P5_V
Z = gain means (H0)
0.124
0.122
0.120
0.118
0.116
0.114
0.112
0.110
5.14
5.15
5.16
5.17
5.18
5.19
5.20
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

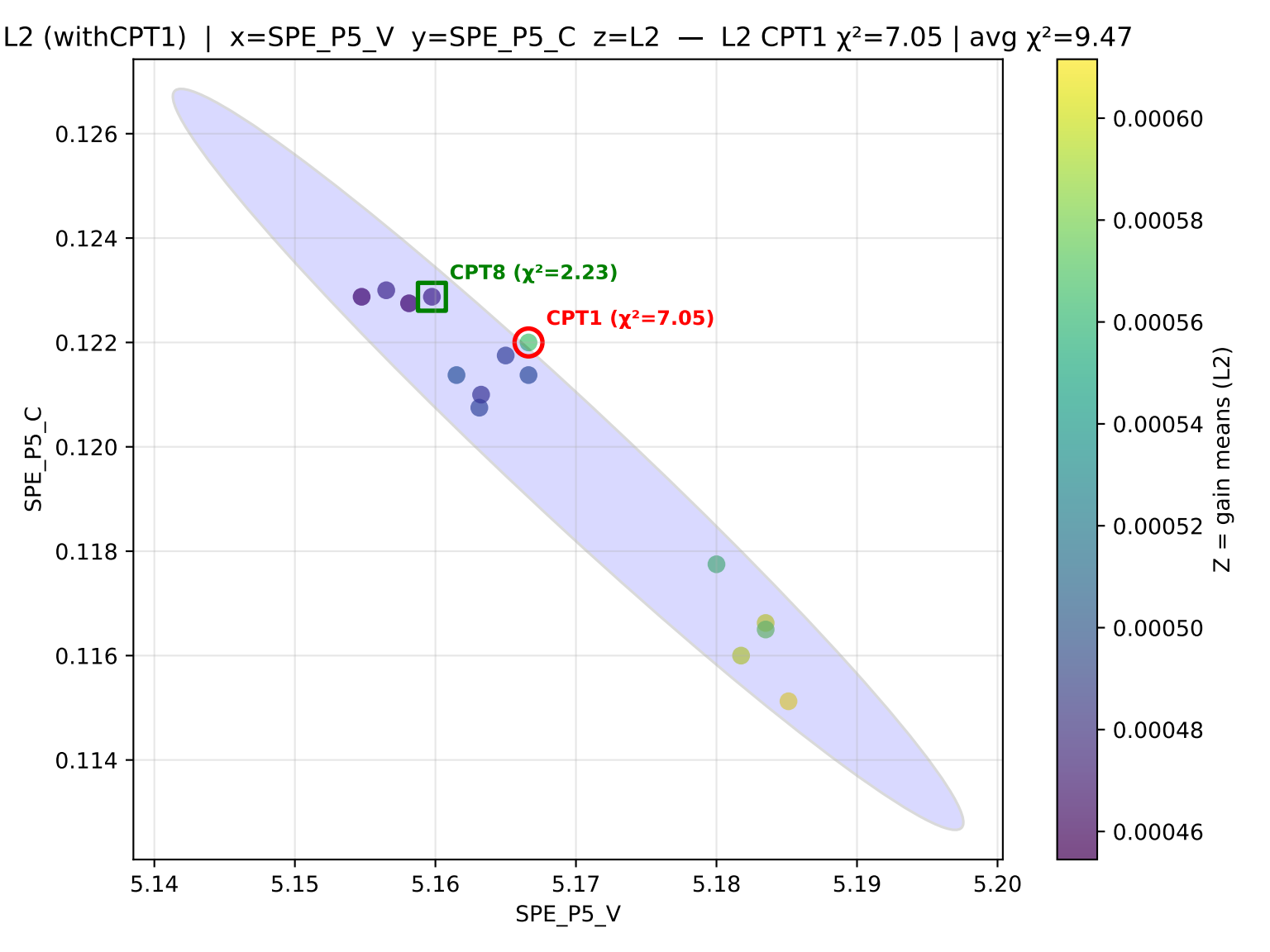

H1 (withCPT1) | x=SPE_P5_V y=SPE_P5_C z=H1 — H1 CPT1 χ²=12.01 | avg χ²=9.47
CPT8 (χ²=283.73)
CPT1 (χ²=12.01)
SPE_P5_C
SPE_P5_V
Z = gain means (H1)
0.1275
0.1250
0.1225
0.1200
0.1175
0.1150
0.1125
0.1100
5.14
5.15
5.16
5.17
5.18
5.19
5.20
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

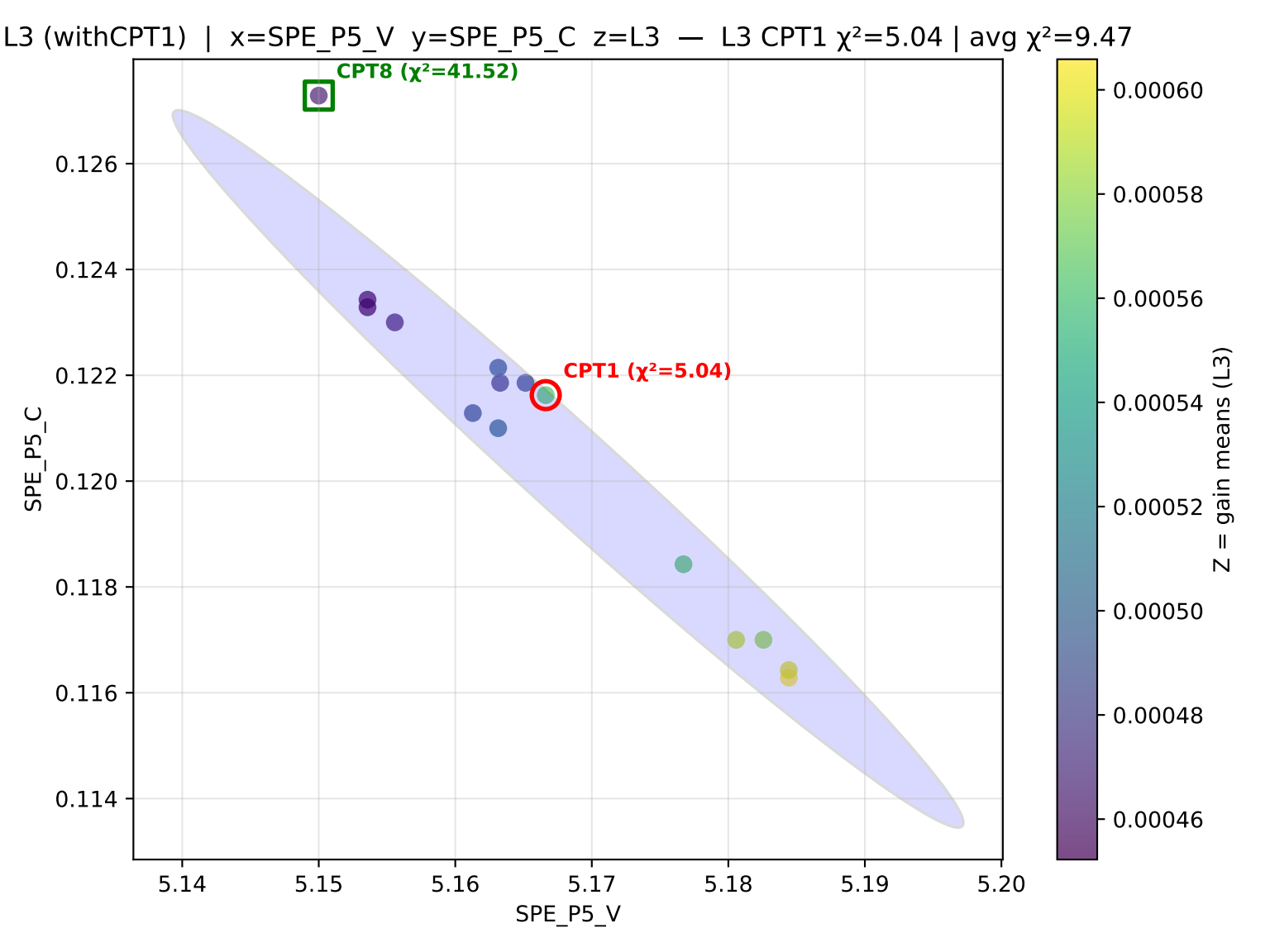

H2 (withCPT1) | x=SPE_P5_V y=SPE_P5_C z=H2 — H2 CPT1 χ²=7.03 | avg χ²=9.47
CPT8 (χ²=540.71)
CPT1 (χ²=7.03)
SPE_P5_C
SPE_P5_V
Z = gain means (H2)
0.1300
0.1275
0.1250
0.1225
0.1200
0.1175
0.1150
0.1125
0.1100
5.14
5.15
5.16
5.17
5.18
5.19
5.20
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10

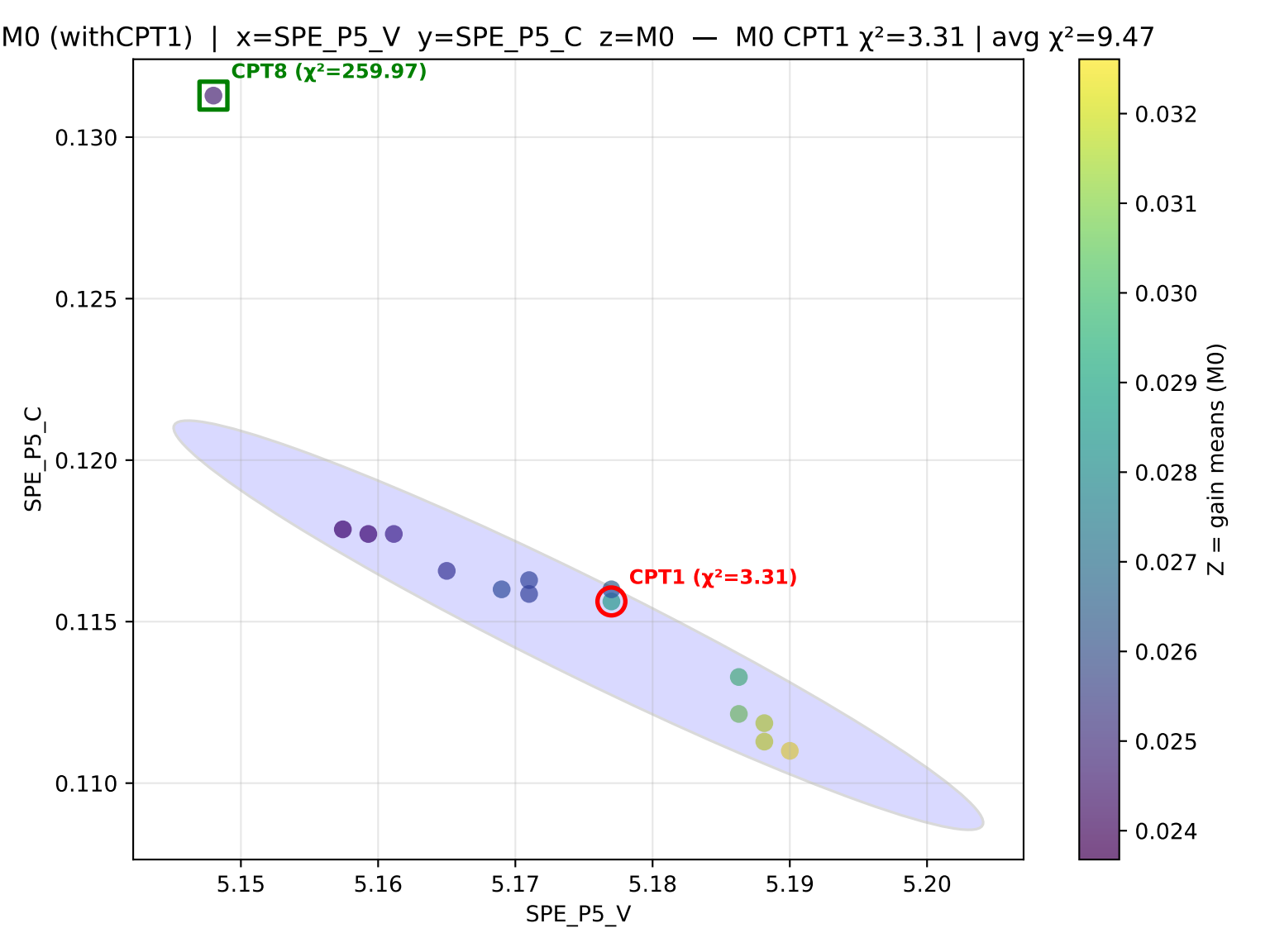

H3 (withCPT1) | x=SPE_P5_V y=SPE_P5_C z=H3 — H3 CPT1 χ²=36.30 | avg χ²=9.47
CPT8 (χ²=294.58)
CPT1 (χ²=36.30)
SPE_P5_C
SPE_P5_V
Z = gain means (H3)
0.124
0.122
0.120
0.118
0.116
0.114
0.112
0.110
5.14
5.15
5.16
5.17
5.18
5.19
5.20
1.30
1.25
1.20
1.15
1.10
1.05
1.00

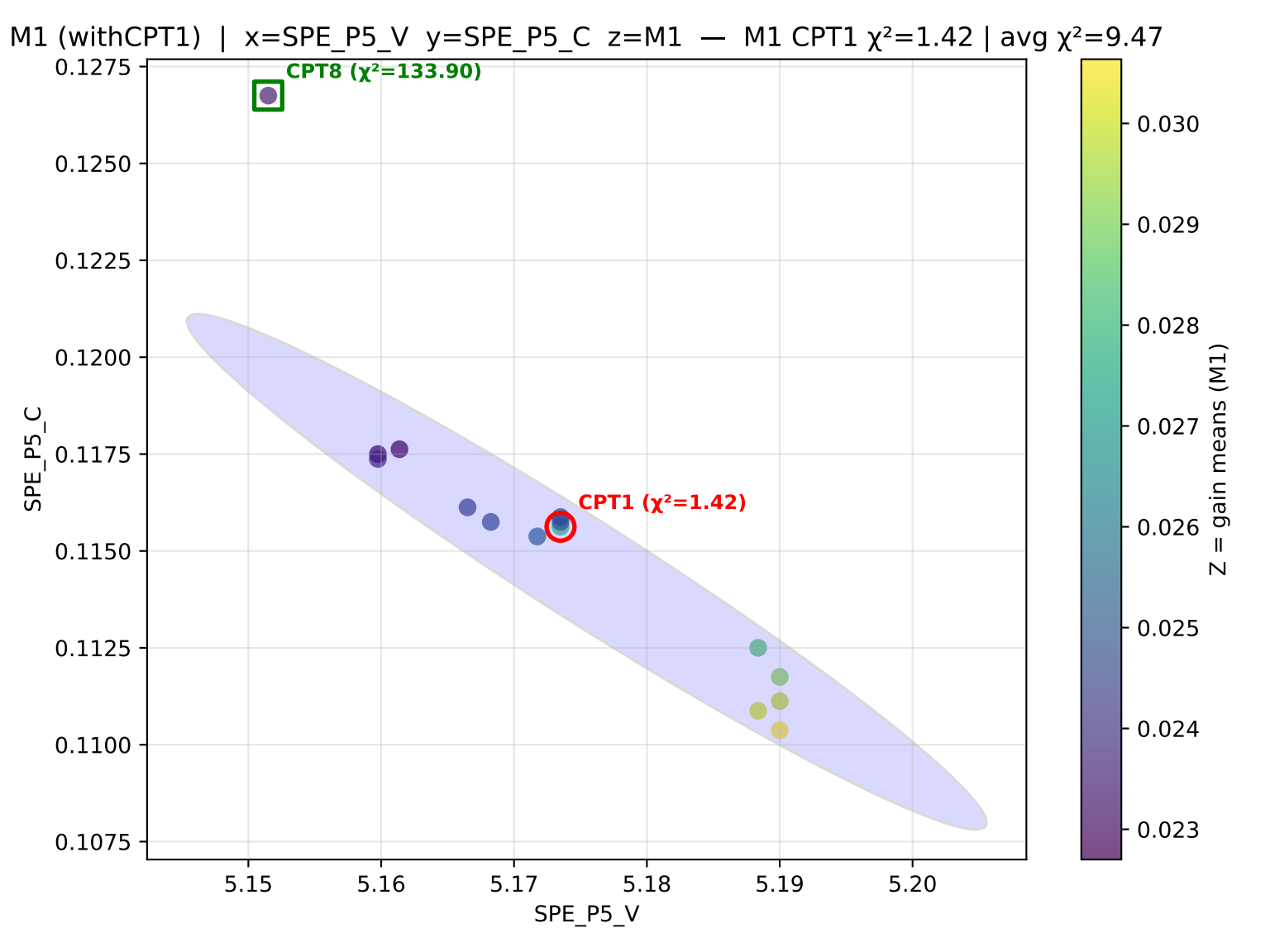

L0 (withCPT1) | x=SPE_P5_V y=SPE_P5_C z=L0 — L0 CPT1 χ²=14.64 | avg χ²=9.47
CPT1 (χ²=14.64)
CPT8 (χ²=187.36)
SPE_P5_C
SPE_P5_V
Z = gain means (L0)
0.128
0.126
0.124
0.122
0.120
0.118
0.116
0.114
5.14
5.15
5.16
5.17
5.18
5.19
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

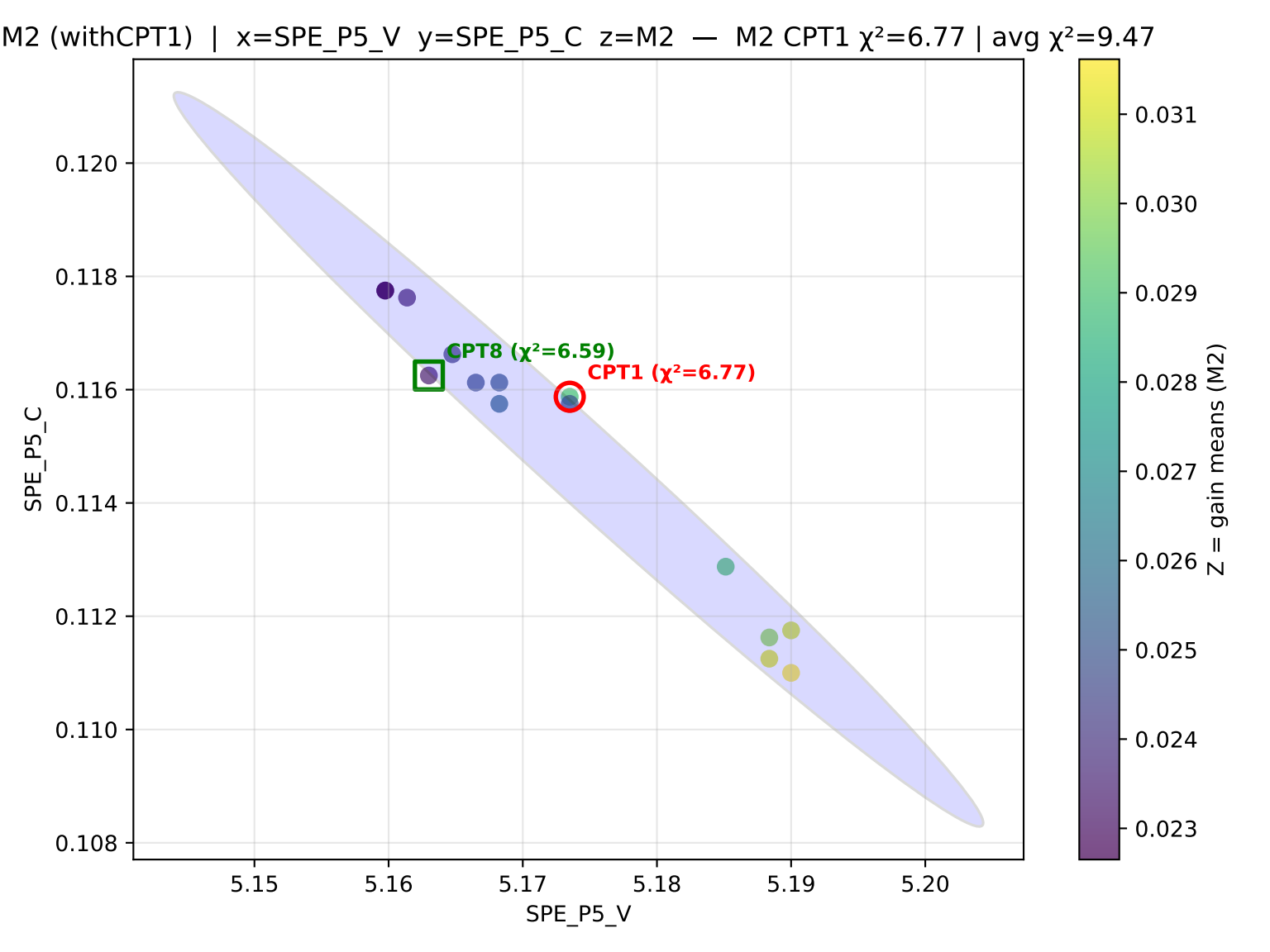

L1 (withCPT1) | x=SPE_P5_V y=SPE_P5_C z=L1 — L1 CPT1 χ²=5.08 | avg χ²=9.47
CPT1 (χ²=5.08)
CPT8 (χ²=50.54)
SPE_P5_C
SPE_P5_V
Z = gain means (L1)
0.126
0.124
0.122
0.120
0.118
0.116
0.114
5.14
5.15
5.16
5.17
5.18
5.19
5.20
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052

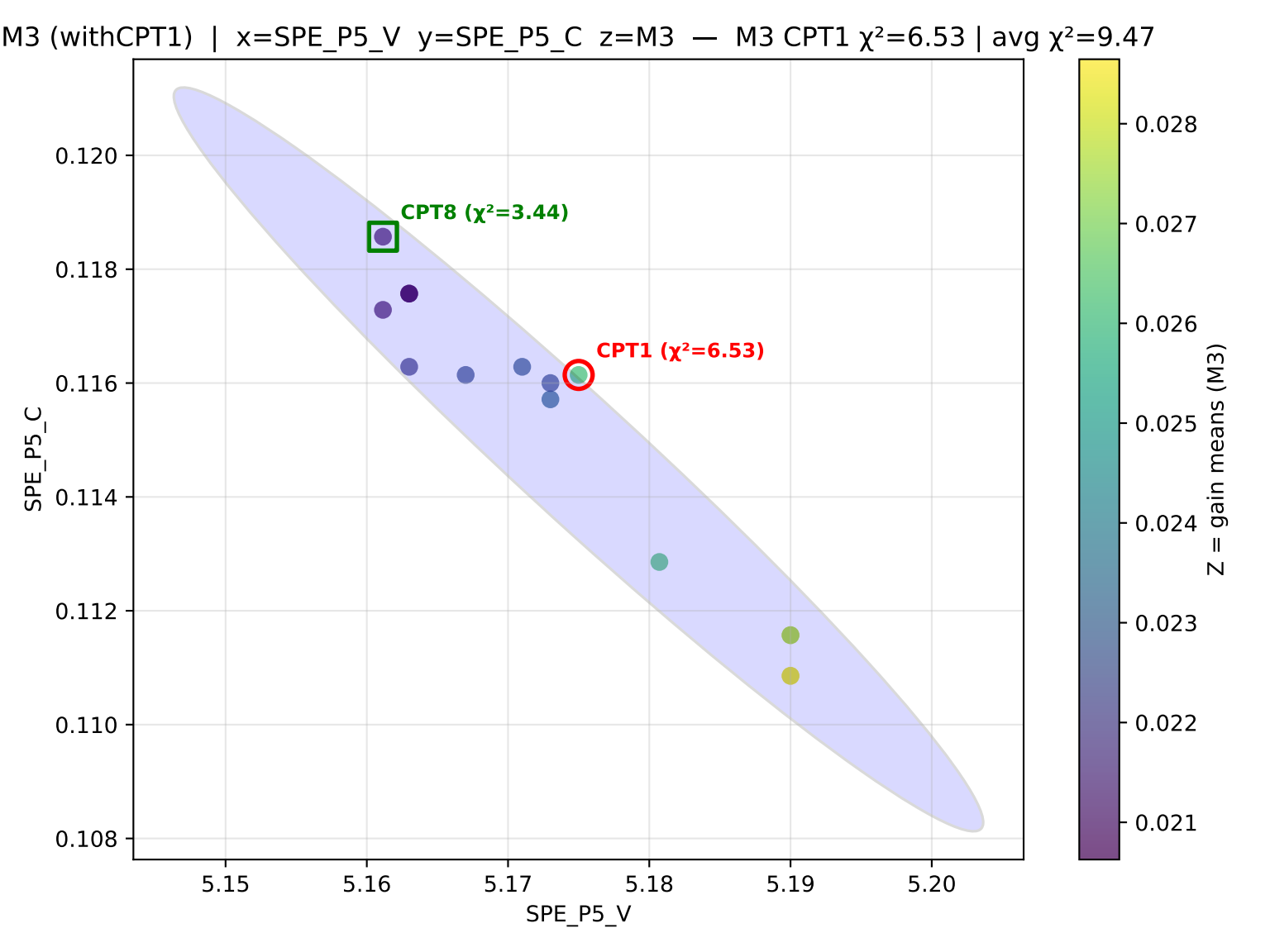

L2 (withCPT1) | x=SPE_P5_V y=SPE_P5_C z=L2 — L2 CPT1 χ²=7.05 | avg χ²=9.47
CPT8 (χ²=2.23)
CPT1 (χ²=7.05)
SPE_P5_C
SPE_P5_V
Z = gain means (L2)
0.126
0.124
0.122
0.120
0.118
0.116
0.114
5.14
5.15
5.16
5.17
5.18
5.19
5.20
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


L3 (withCPT1) | x=SPE_P5_V y=SPE_P5_C z=L3 — L3 CPT1 χ²=5.04 | avg χ²=9.47
CPT8 (χ²=41.52)
CPT1 (χ²=5.04)
SPE_P5_C
SPE_P5_V
Z = gain means (L3)
0.126
0.124
0.122
0.120
0.118
0.116
0.114
5.14
5.15
5.16
5.17
5.18
5.19
5.20
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


M0 (withCPT1) | x=SPE_P5_V y=SPE_P5_C z=M0 — M0 CPT1 χ²=3.31 | avg χ²=9.47
CPT8 (χ²=259.97)
CPT1 (χ²=3.31)
SPE_P5_C
SPE_P5_V
Z = gain means (M0)
0.130
0.125
0.120
0.115
0.110
5.15
5.16
5.17
5.18
5.19
5.20
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

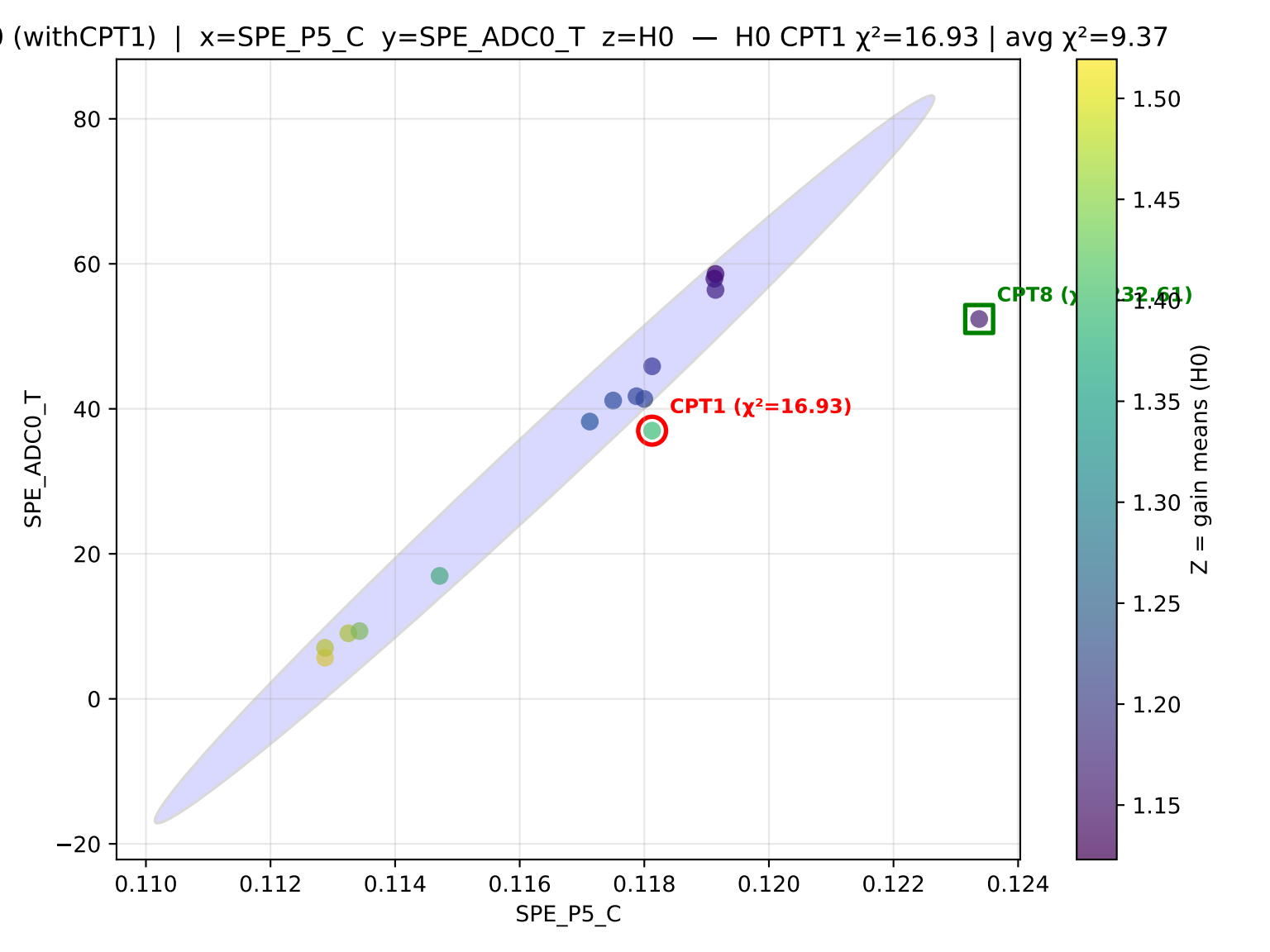

M1 (withCPT1) | x=SPE_P5_V y=SPE_P5_C z=M1 — M1 CPT1 χ²=1.42 | avg χ²=9.47
CPT8 (χ²=133.90)
CPT1 (χ²=1.42)
SPE_P5_C
SPE_P5_V
Z = gain means (M1)
0.1275
0.1250
0.1225
0.1200
0.1175
0.1150
0.1125
0.1100
0.1075
5.15
5.16
5.17
5.18
5.19
5.20
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

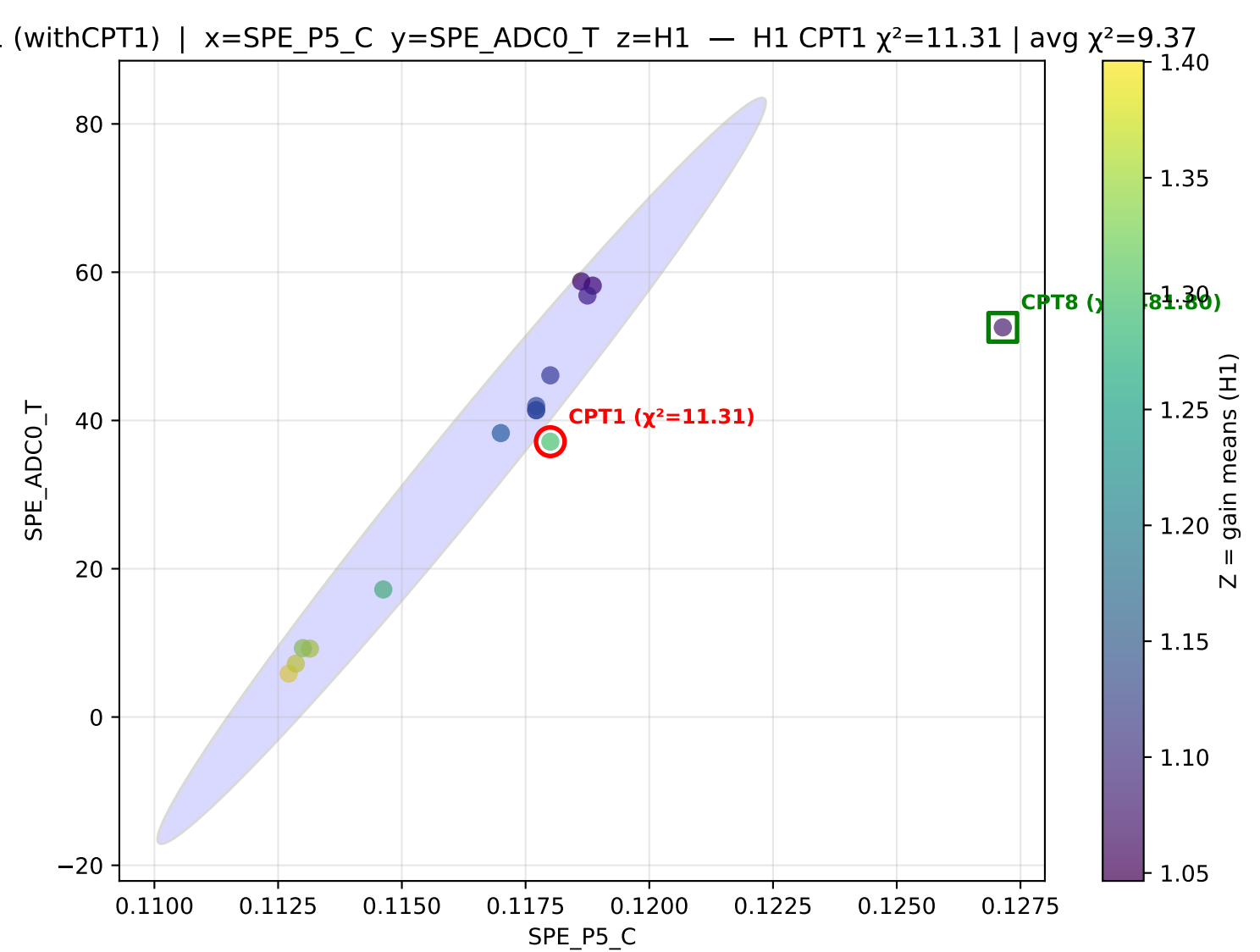

M2 (withCPT1) | x=SPE_P5_V y=SPE_P5_C z=M2 — M2 CPT1 χ²=6.77 | avg χ²=9.47
CPT8 (χ²=6.59)
CPT1 (χ²=6.77)
SPE_P5_C
SPE_P5_V
Z = gain means (M2)
0.120
0.118
0.116
0.114
0.112
0.110
0.108
5.15
5.16
5.17
5.18
5.19
5.20
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

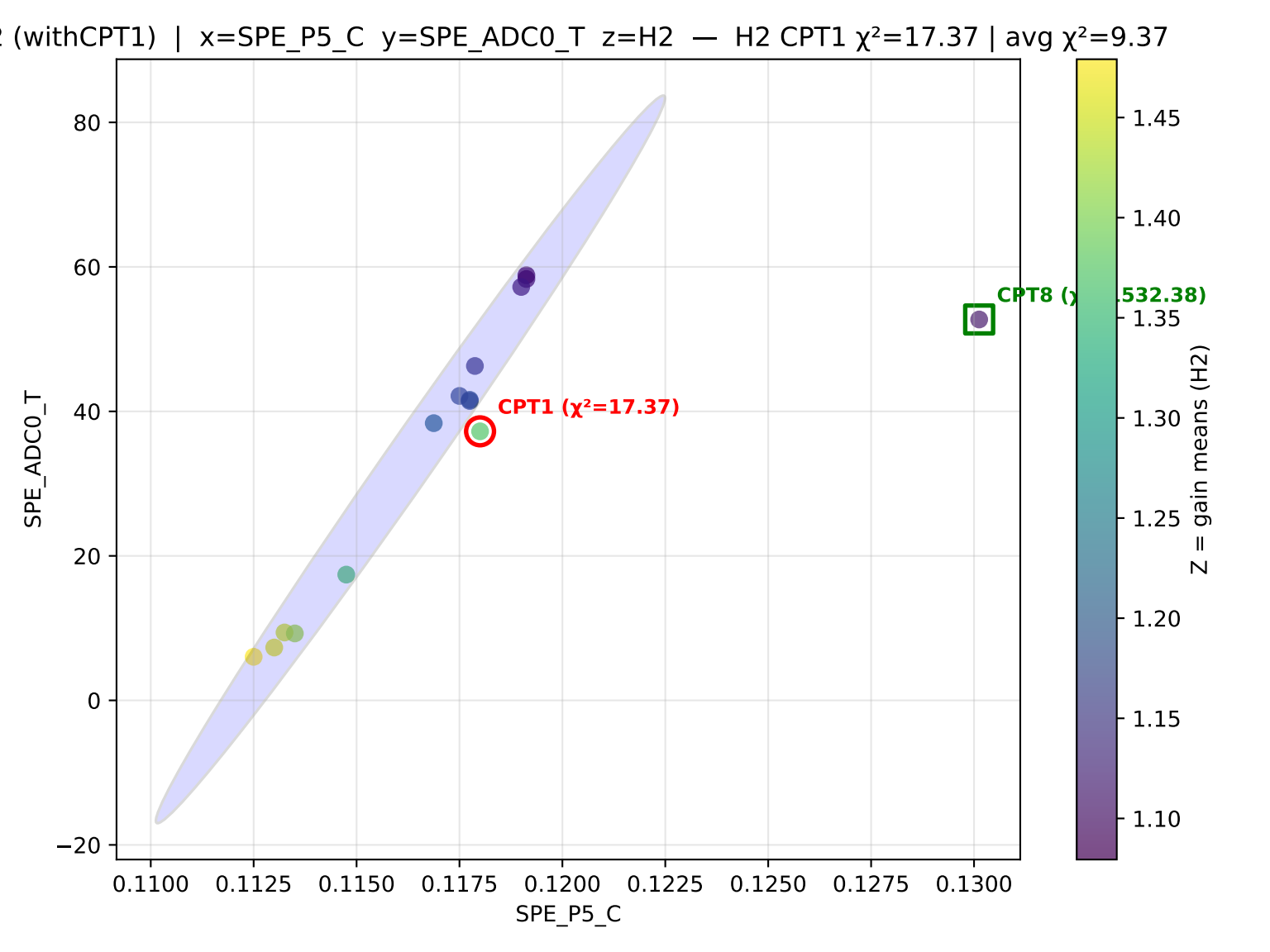

M3 (withCPT1) | x=SPE_P5_V y=SPE_P5_C z=M3 — M3 CPT1 χ²=6.53 | avg χ²=9.47
CPT8 (χ²=3.44)
CPT1 (χ²=6.53)
SPE_P5_C
SPE_P5_V
Z = gain means (M3)
0.120
0.118
0.116
0.114
0.112
0.110
0.108
5.15
5.16
5.17
5.18
5.19
5.20
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

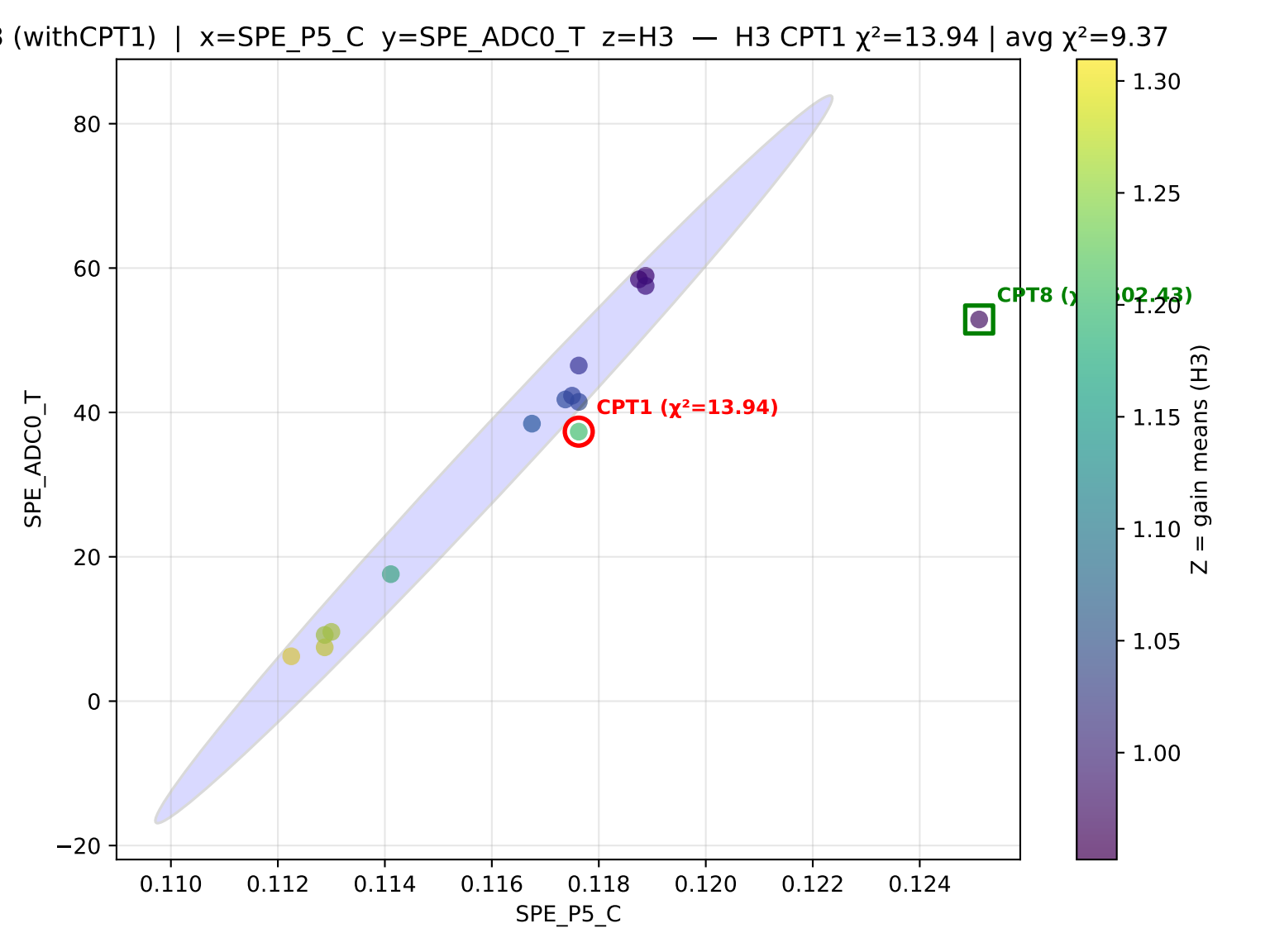
Pair: SPE_P5_C vs SPE_ADC0_T

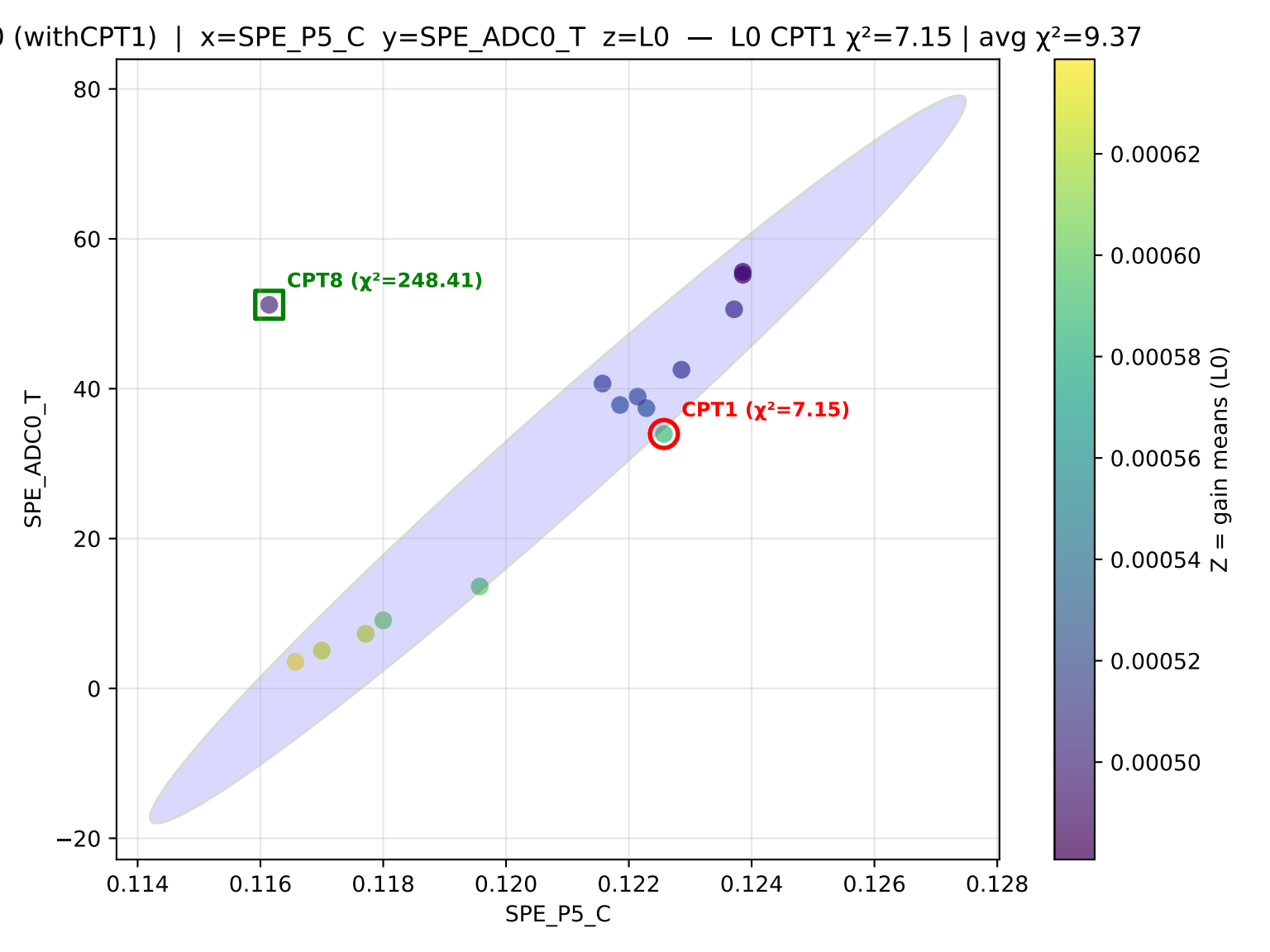
Average χ^2(CPT1) across settings: 9.37

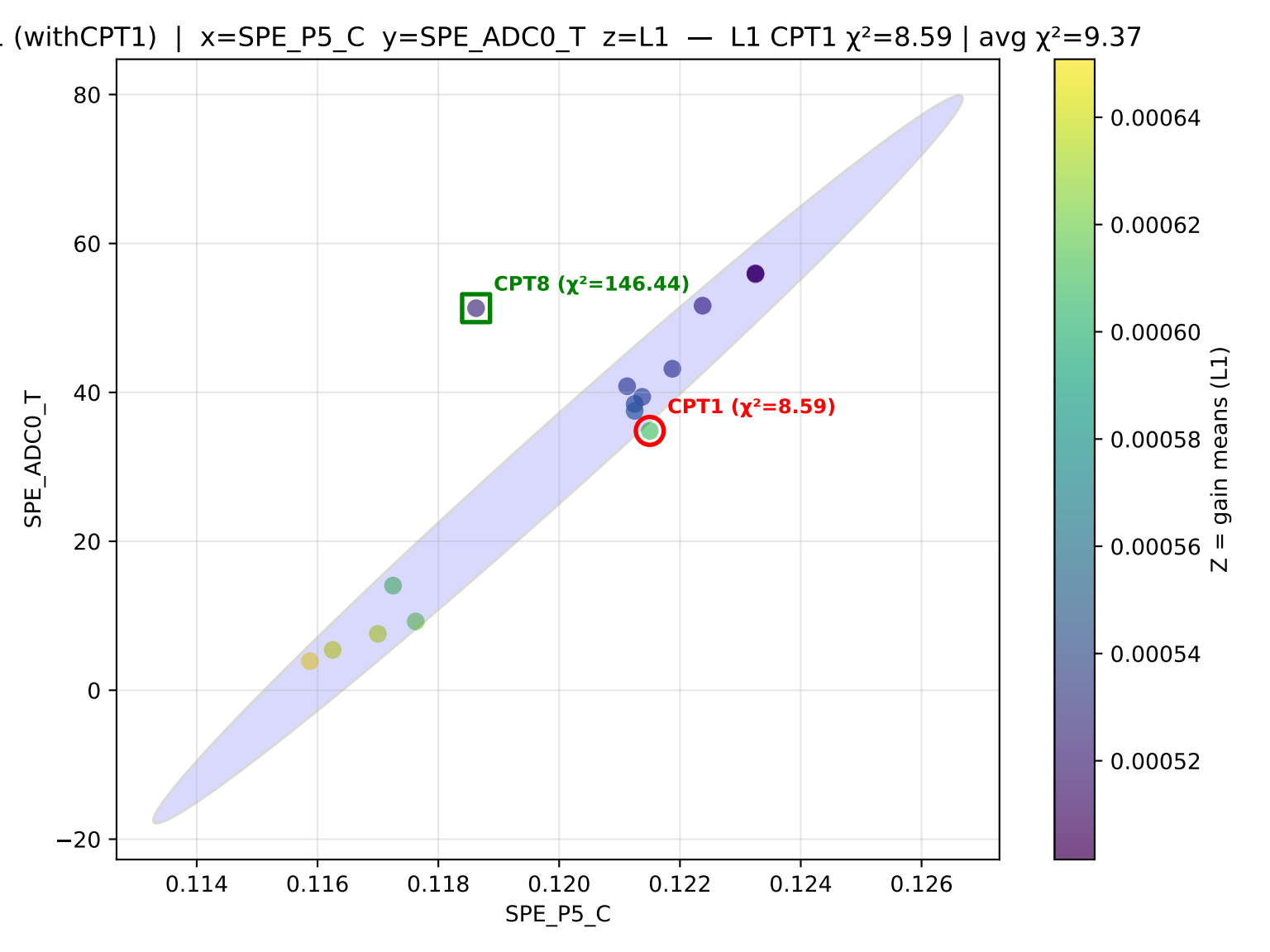

0 (withCPT1) | x=SPE_P5_C y=SPE_ADC0_T z=H0 — H0 CPT1 χ²=16.93 | avg χ²=9.37
CPT1 (χ²=16.93)
CPT8 (χ
32.61)
SPE_ADC0_T
SPE_P5_C
Z = gain means (H0)
80
60
40
20
0
−20
0.110
0.112
0.114
0.116
0.118
0.120
0.122
0.124
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

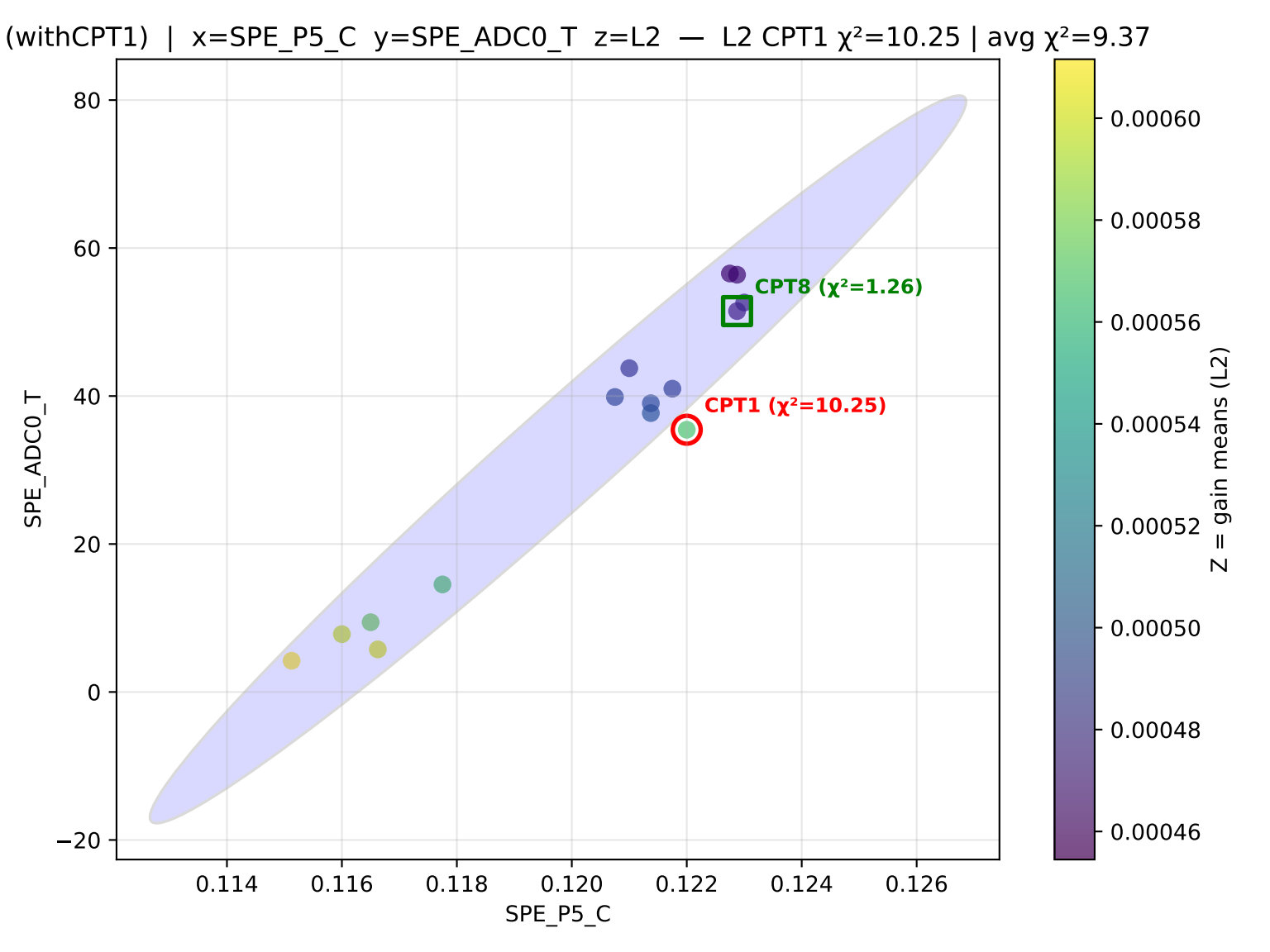

(withCPT1) | x=SPE_P5_C y=SPE_ADC0_T z=H1 — H1 CPT1 χ²=11.31 | avg χ²=9.37
CPT1 (χ²=11.31)
CPT8 (χ
81.80)
SPE_ADC0_T
SPE_P5_C
Z = gain means (H1)
80
60
40
20
0
−20
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

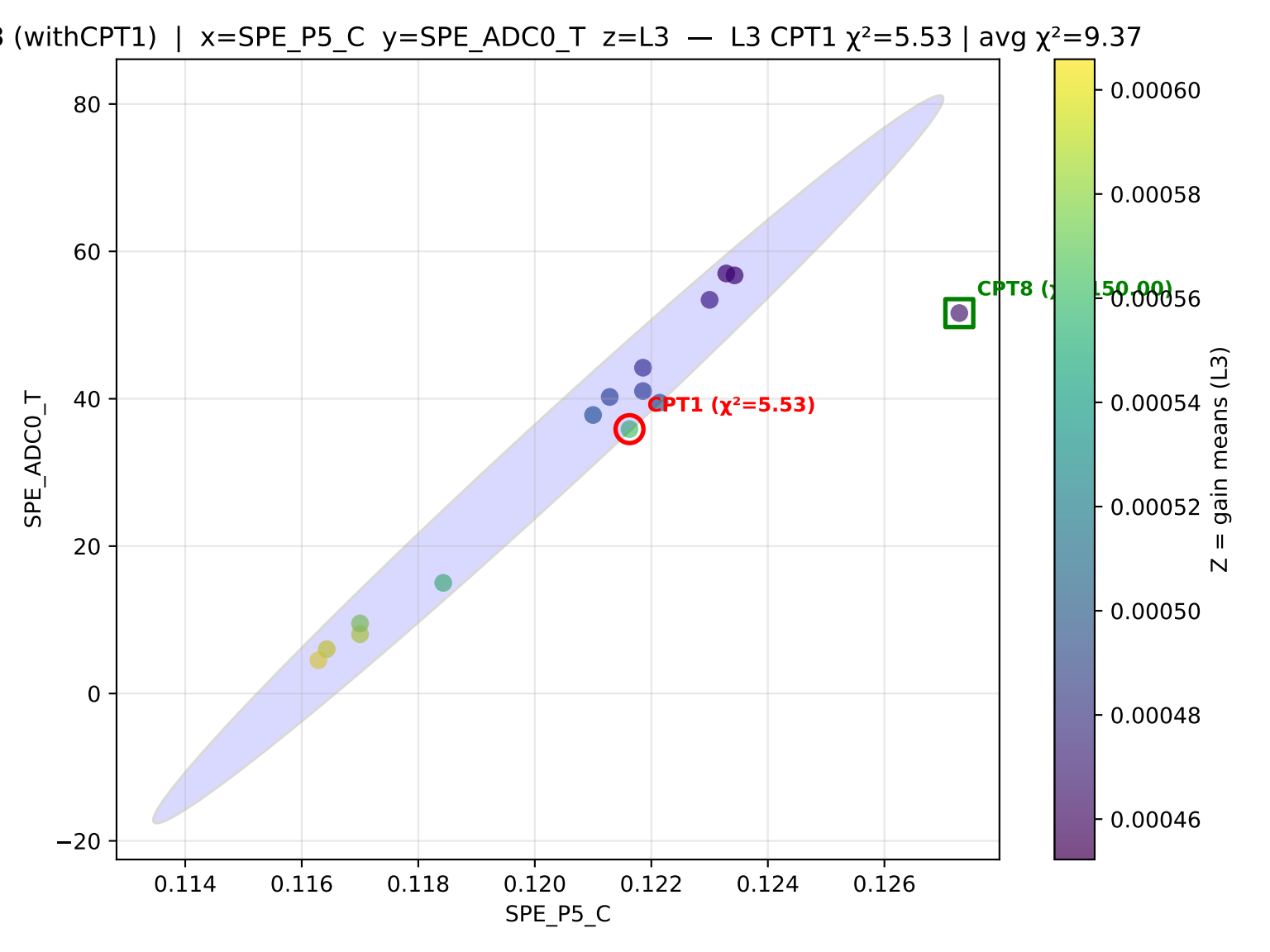

2 (withCPT1) | x=SPE_P5_C y=SPE_ADC0_T z=H2 — H2 CPT1 χ²=17.37 | avg χ²=9.37
CPT1 (χ²=17.37)
CPT8 (χ
532.38)
SPE_ADC0_T
SPE_P5_C
Z = gain means (H2)
80
60
40
20
0
−20
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
0.1300
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10

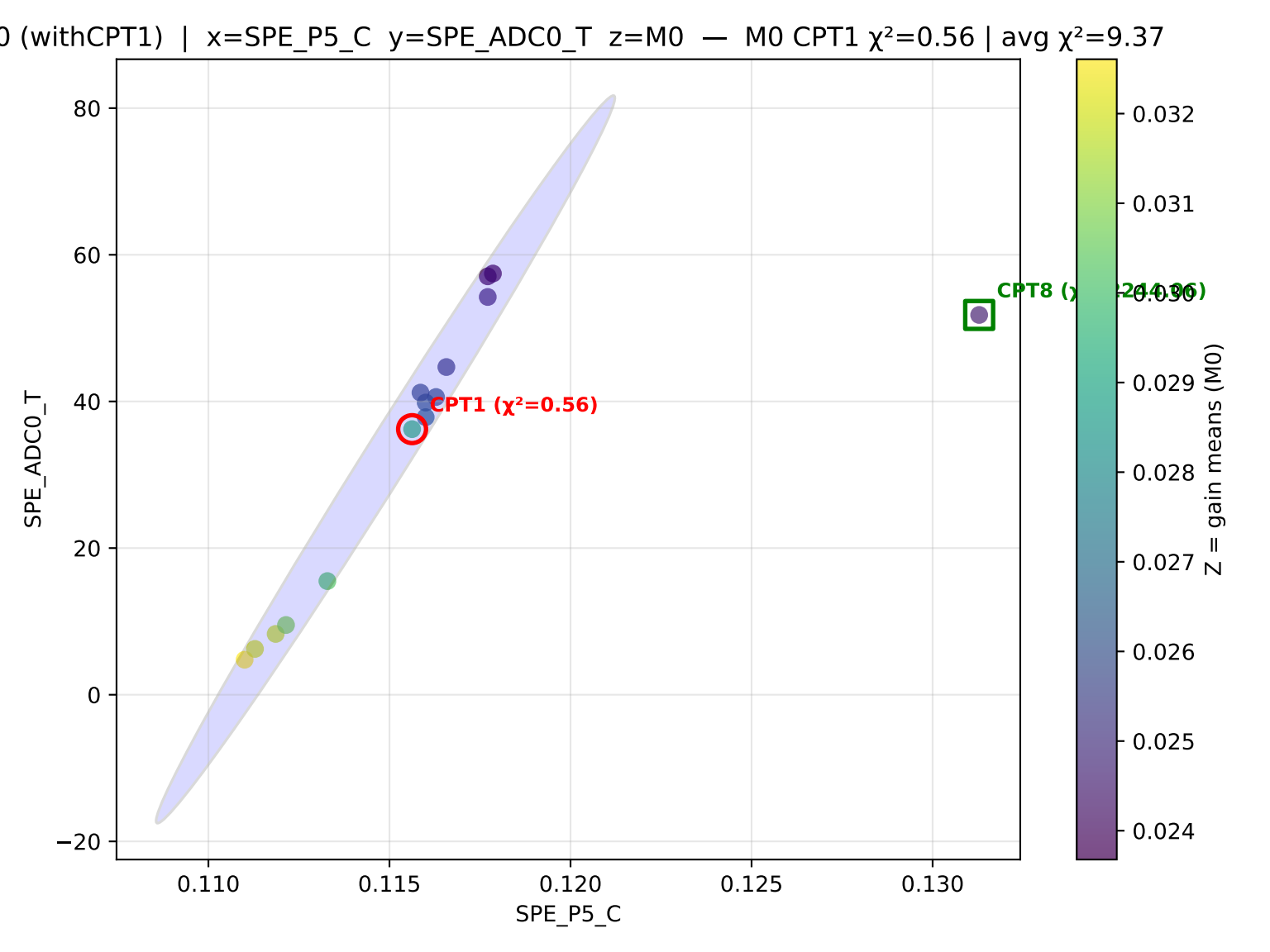

3 (withCPT1) | x=SPE_P5_C y=SPE_ADC0_T z=H3 — H3 CPT1 χ²=13.94 | avg χ²=9.37
CPT1 (χ²=13.94)
CPT8 (χ
02.43)
SPE_ADC0_T
SPE_P5_C
Z = gain means (H3)
80
60
40
20
0
−20
0.110
0.112
0.114
0.116
0.118
0.120
0.122
0.124
1.30
1.25
1.20
1.15
1.10
1.05
1.00

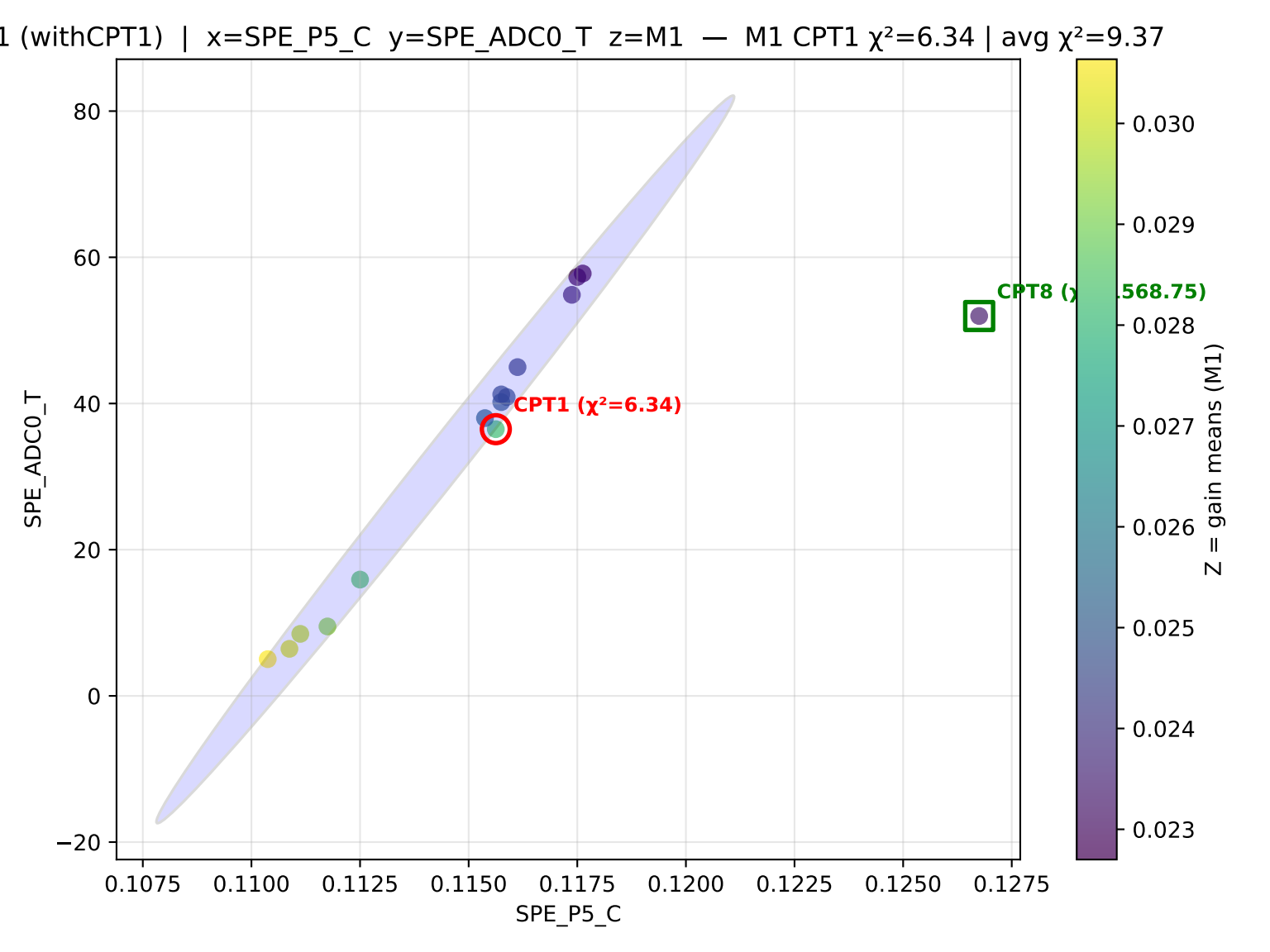

0 (withCPT1) | x=SPE_P5_C y=SPE_ADC0_T z=L0 — L0 CPT1 χ²=7.15 | avg χ²=9.37
CPT8 (χ²=248.41)
CPT1 (χ²=7.15)
SPE_ADC0_T
SPE_P5_C
Z = gain means (L0)
80
60
40
20
0
−20
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.128
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

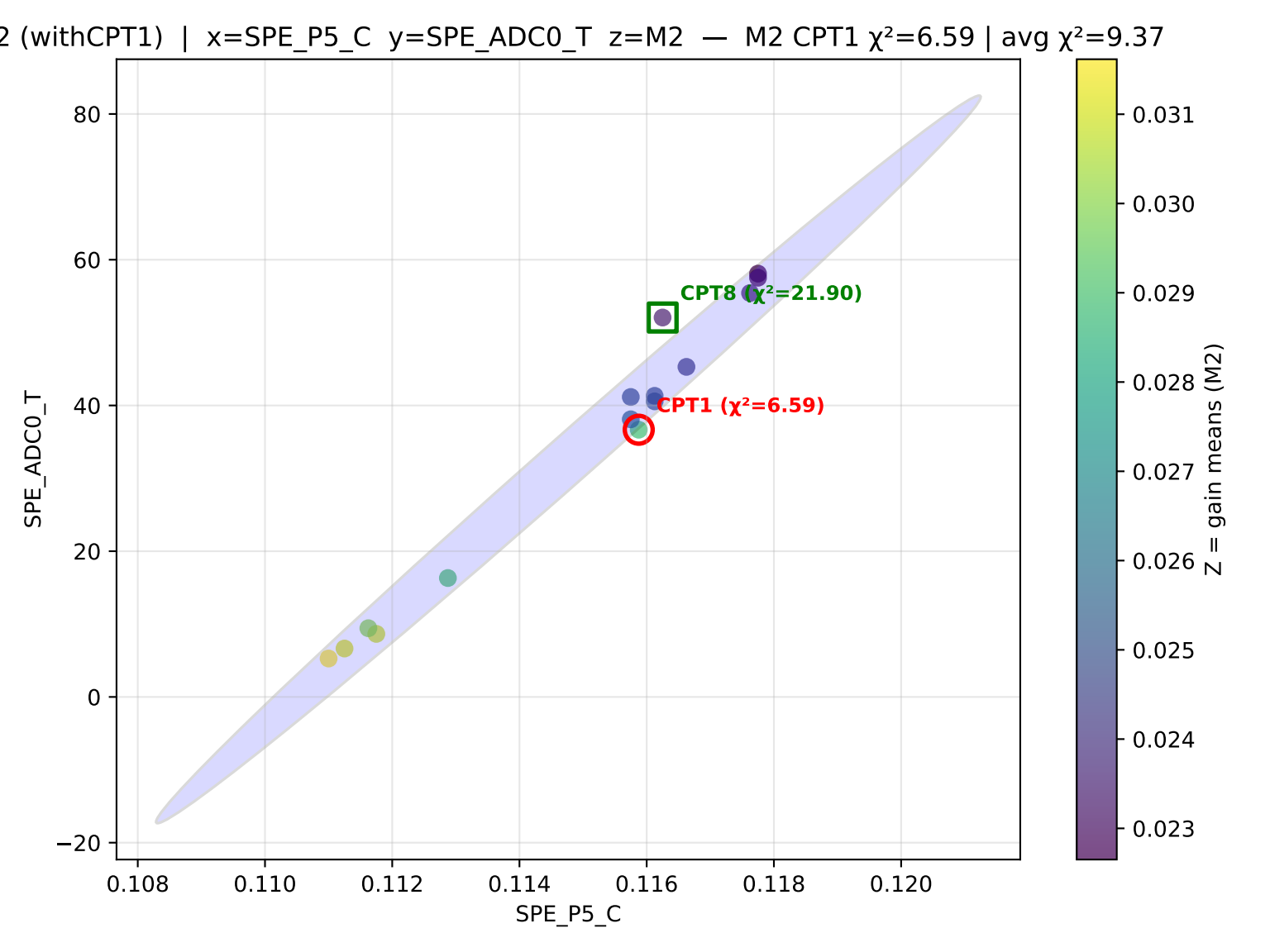

(withCPT1) | x=SPE_P5_C y=SPE_ADC0_T z=L1 — L1 CPT1 χ²=8.59 | avg χ²=9.37
CPT8 (χ²=146.44)
CPT1 (χ²=8.59)
SPE_ADC0_T
SPE_P5_C
Z = gain means (L1)
80
60
40
20
0
−20
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052

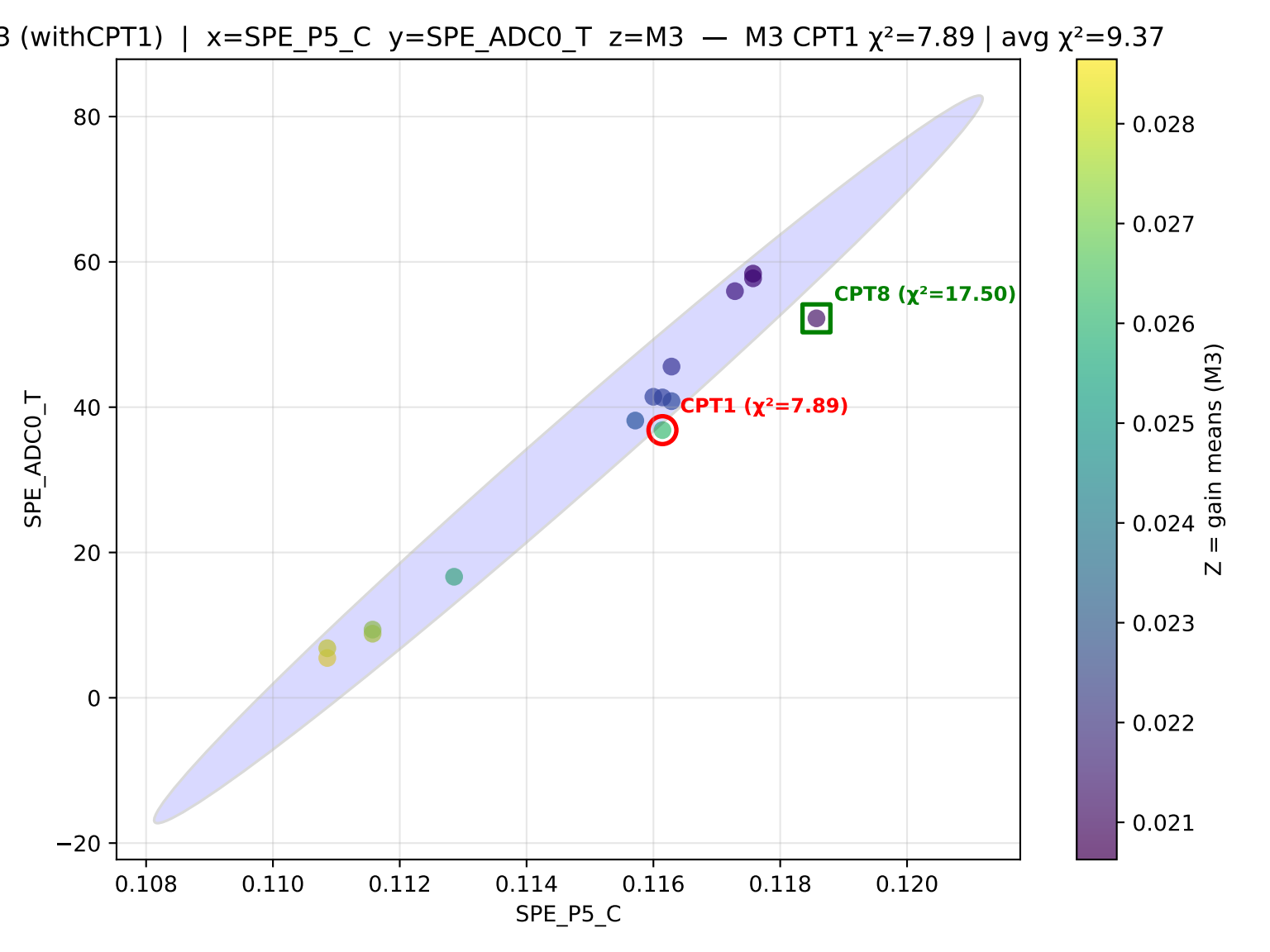

(withCPT1) | x=SPE_P5_C y=SPE_ADC0_T z=L2 — L2 CPT1 χ²=10.25 | avg χ²=9.37
CPT8 (χ²=1.26)
CPT1 (χ²=10.25)
SPE_ADC0_T
SPE_P5_C
Z = gain means (L2)
80
60
40
20
0
−20
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


3 (withCPT1) | x=SPE_P5_C y=SPE_ADC0_T z=L3 — L3 CPT1 χ²=5.53 | avg χ²=9.37
CPT1 (χ²=5.53)
CPT8 (χ
L50.00)
SPE_ADC0_T
SPE_P5_C
Z = gain means (L3)
80
60
40
20
0
−20
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


0 (withCPT1) | x=SPE_P5_C y=SPE_ADC0_T z=M0 — M0 CPT1 χ²=0.56 | avg χ²=9.37
CPT1 (χ²=0.56)
CPT8 (χ
SPE_ADC0_T
SPE_P5_C
Z = gain means (M0)
80
60
40
20
0
−20
0.110
0.115
0.120
0.125
0.130
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

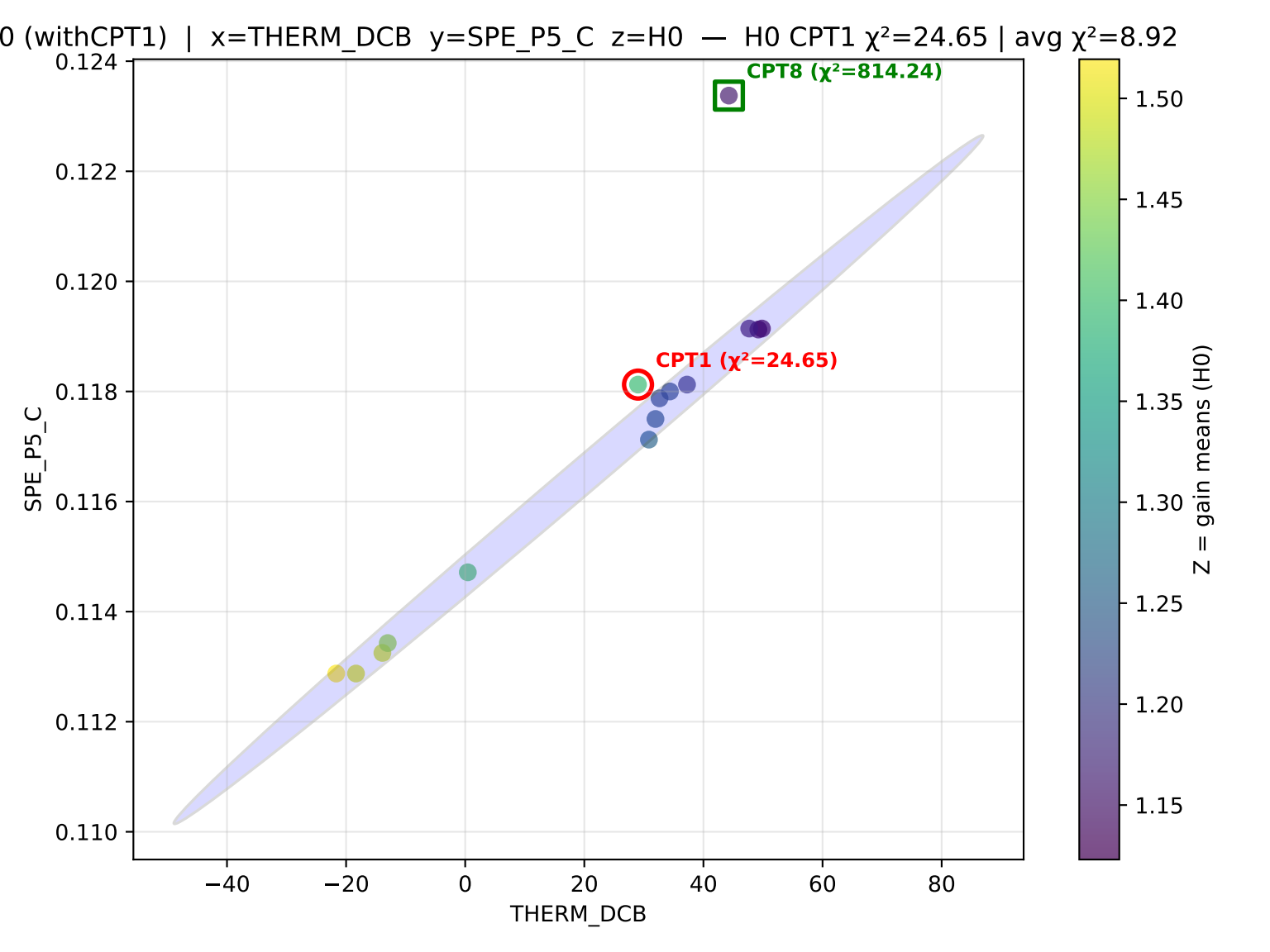

1 (withCPT1) | x=SPE_P5_C y=SPE_ADC0_T z=M1 — M1 CPT1 χ²=6.34 | avg χ²=9.37
CPT1 (χ²=6.34)
CPT8 (χ
.568.75)
SPE_ADC0_T
SPE_P5_C
Z = gain means (M1)
80
60
40
20
0
−20
0.1075
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

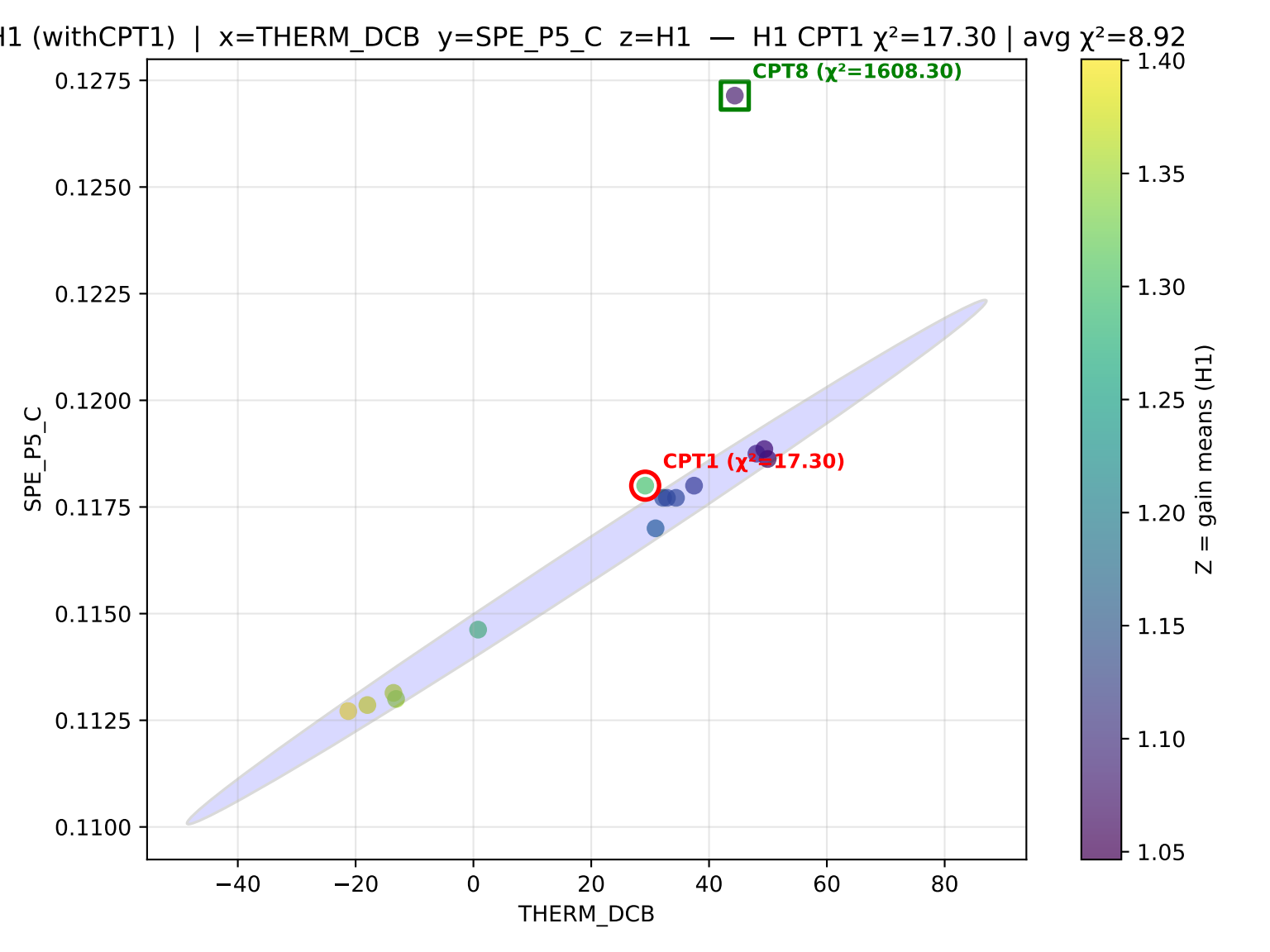

2 (withCPT1) | x=SPE_P5_C y=SPE_ADC0_T z=M2 — M2 CPT1 χ²=6.59 | avg χ²=9.37
CPT8 (χ²=21.90)
CPT1 (χ²=6.59)
SPE_ADC0_T
SPE_P5_C
Z = gain means (M2)
80
60
40
20
0
−20
0.108
0.110
0.112
0.114
0.116
0.118
0.120
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

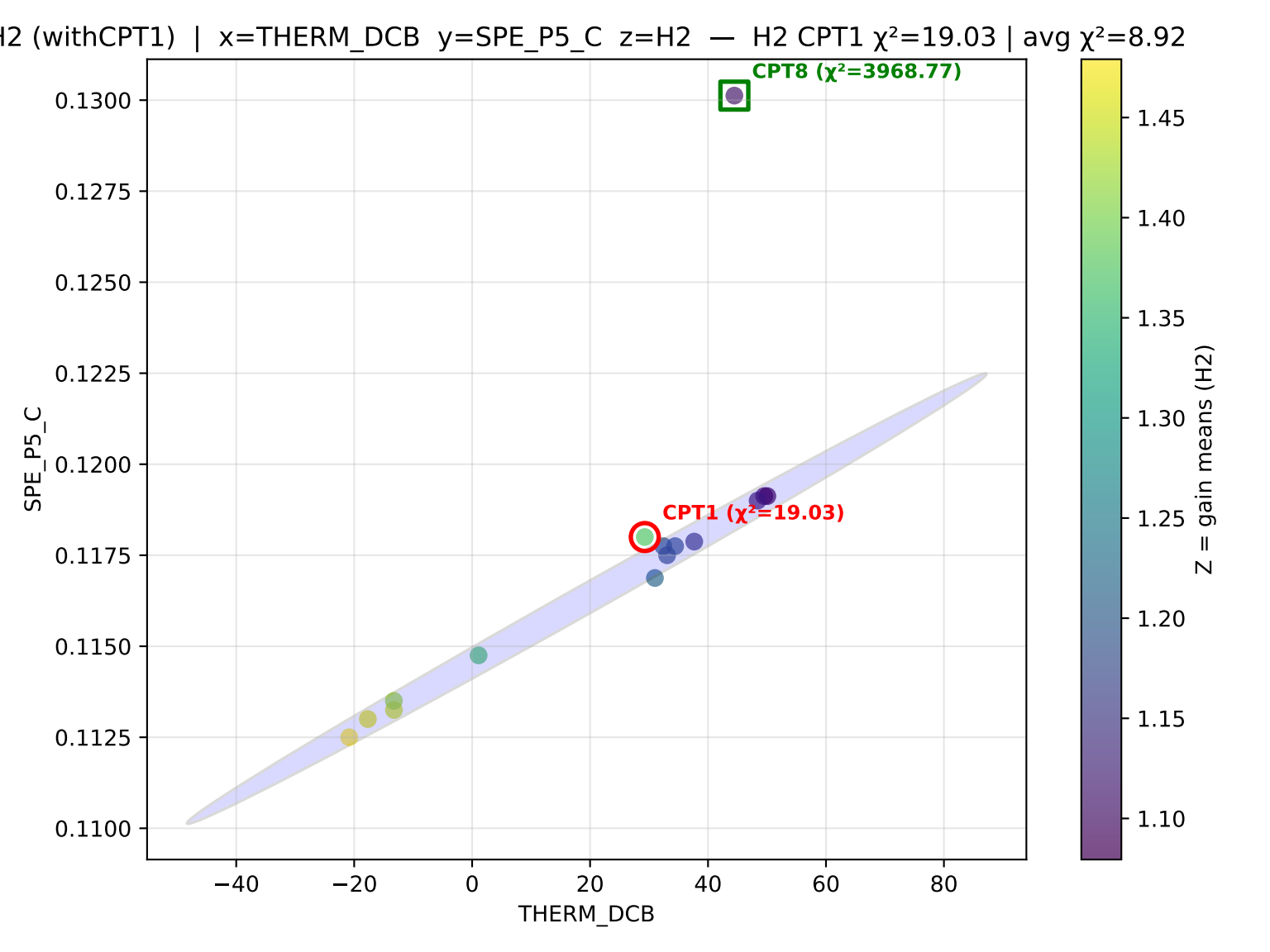

3 (withCPT1) | x=SPE_P5_C y=SPE_ADC0_T z=M3 — M3 CPT1 χ²=7.89 | avg χ²=9.37
CPT8 (χ²=17.50)
CPT1 (χ²=7.89)
SPE_ADC0_T
SPE_P5_C
Z = gain means (M3)
80
60
40
20
0
−20
0.108
0.110
0.112
0.114
0.116
0.118
0.120
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

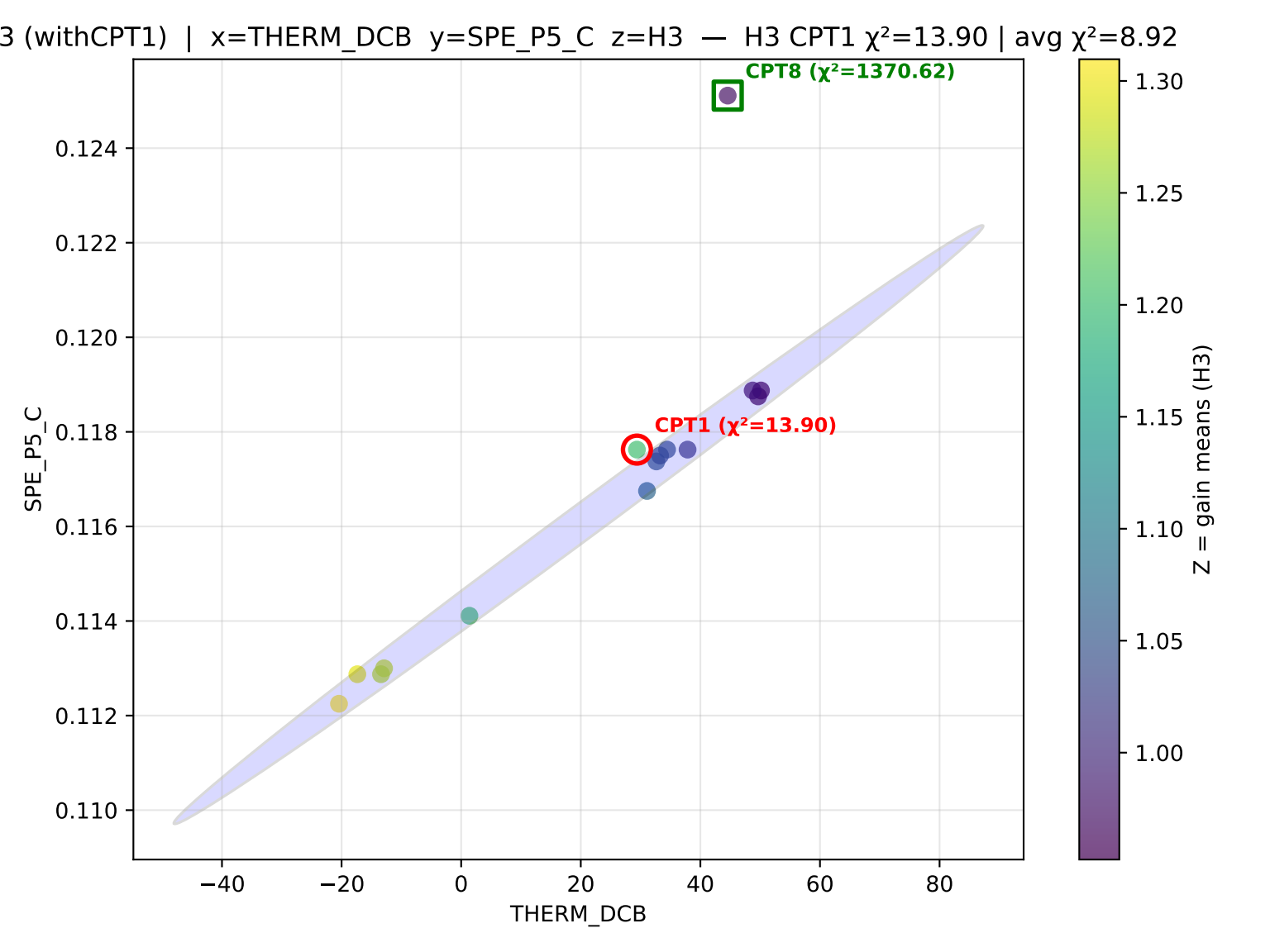
Pair: THERM_DCB vs SPE_P5_C

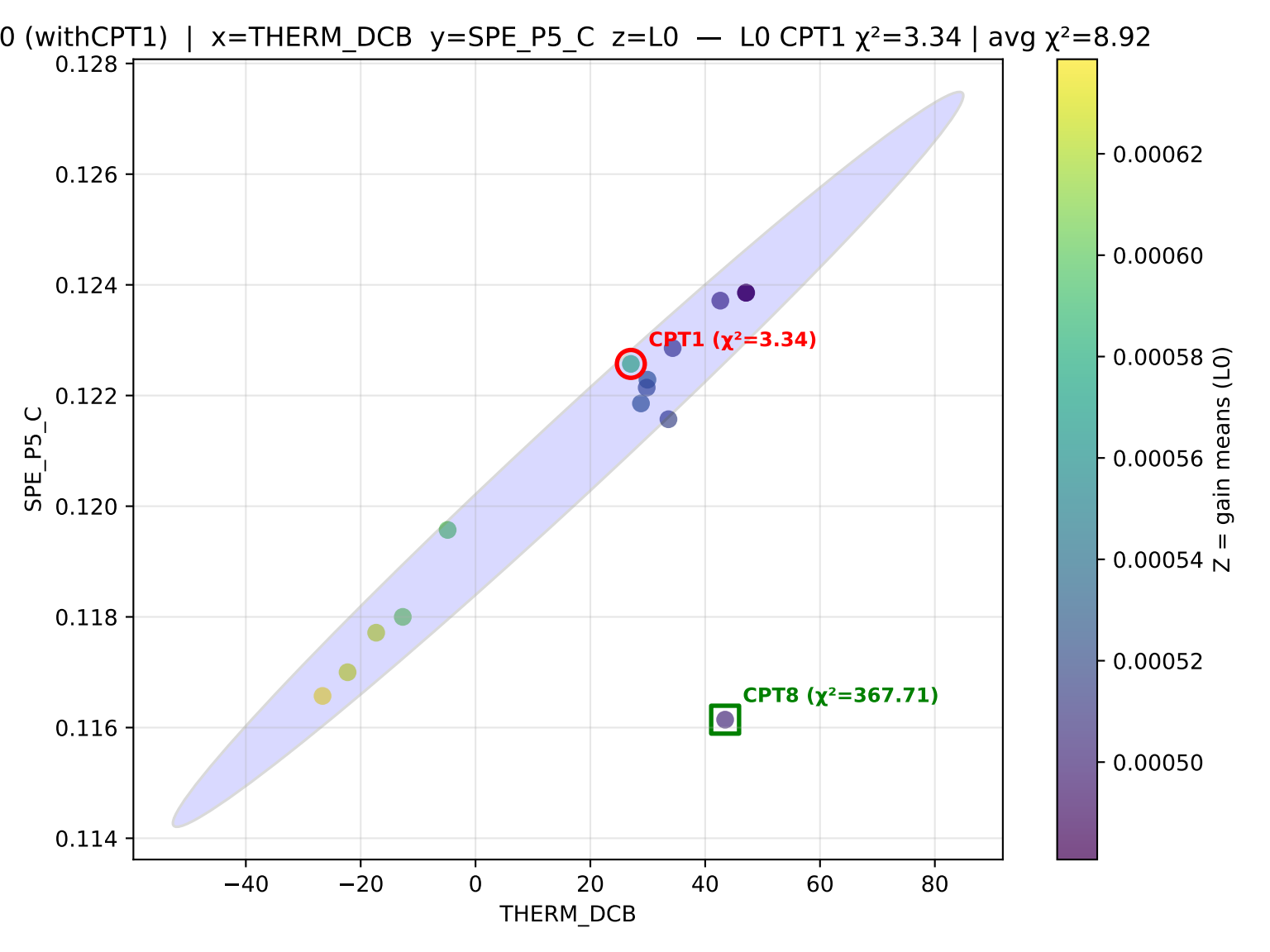
Average χ^2(CPT1) across settings: 8.92

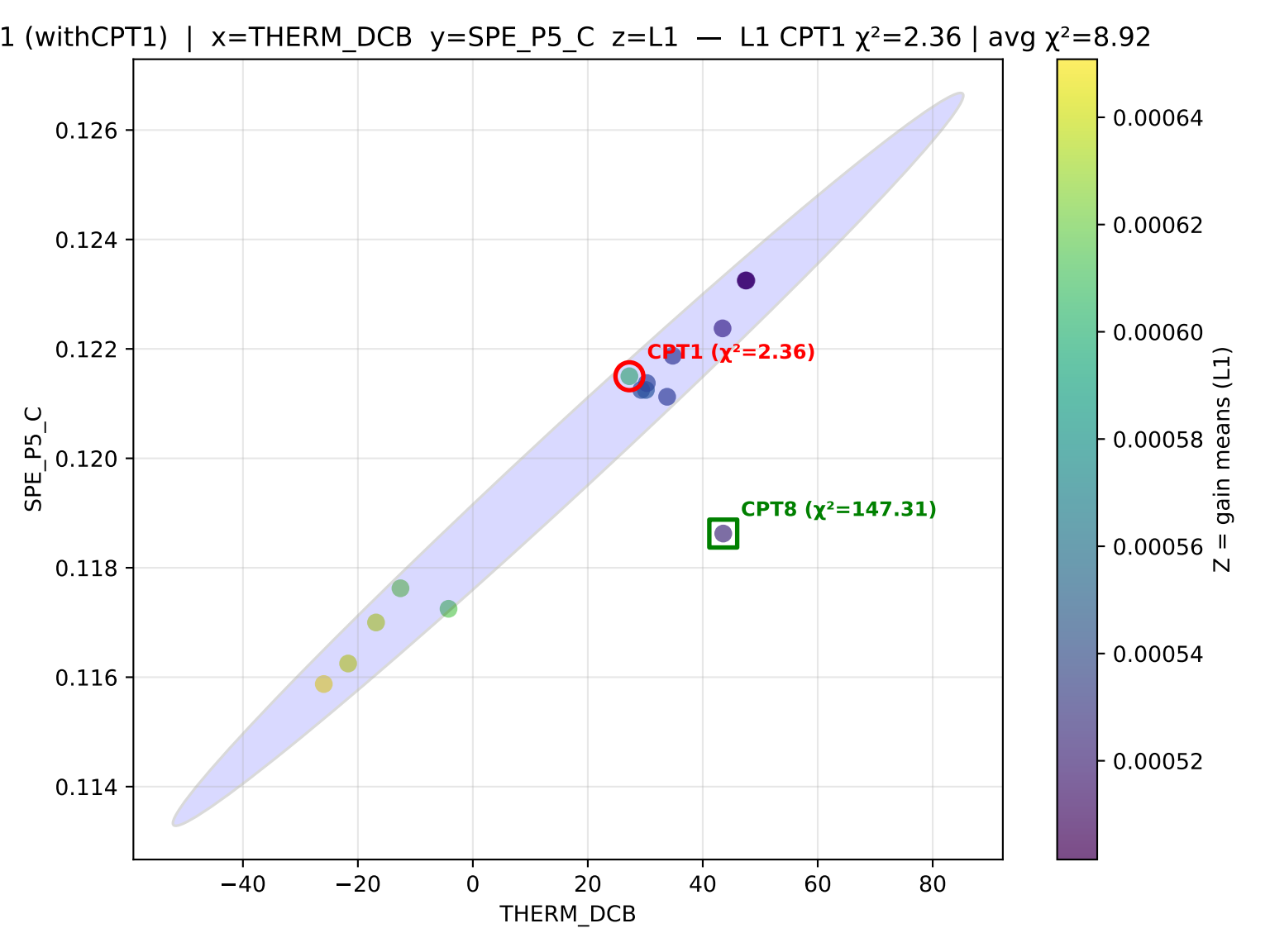

0 (withCPT1) | x=THERM_DCB y=SPE_P5_C z=H0 — H0 CPT1 χ²=24.65 | avg χ²=8.92
CPT8 (χ²=814.24)
CPT1 (χ²=24.65)
SPE_P5_C
THERM_DCB
Z = gain means (H0)
0.124
0.122
0.120
0.118
0.116
0.114
0.112
0.110
−40
−20
0
20
40
60
80
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

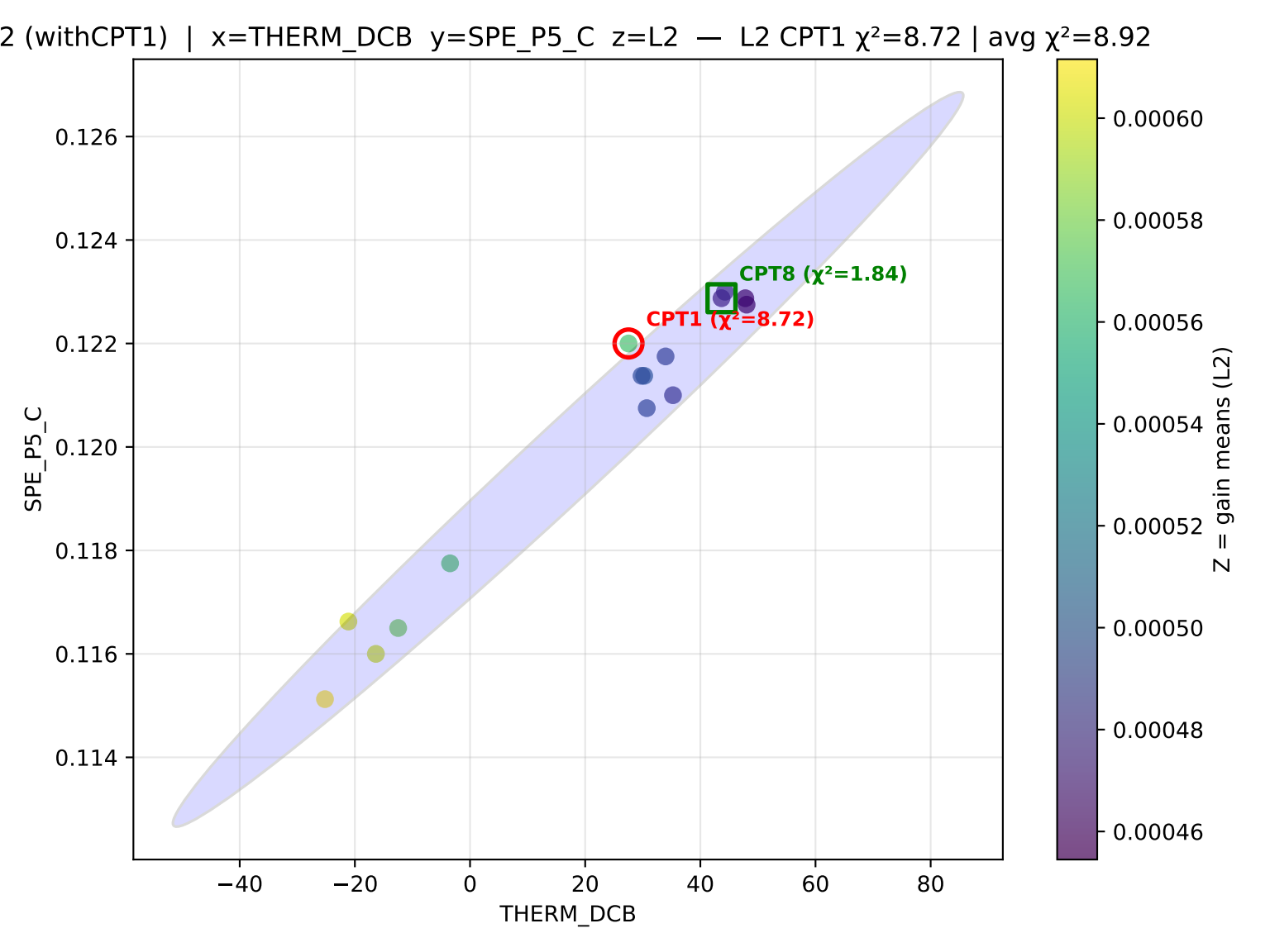

H1 (withCPT1) | x=THERM_DCB y=SPE_P5_C z=H1 — H1 CPT1 χ²=17.30 | avg χ²=8.92
CPT8 (χ²=1608.30)
CPT1 (χ²=17.30)
SPE_P5_C
THERM_DCB
Z = gain means (H1)
0.1275
0.1250
0.1225
0.1200
0.1175
0.1150
0.1125
0.1100
−40
−20
0
20
40
60
80
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

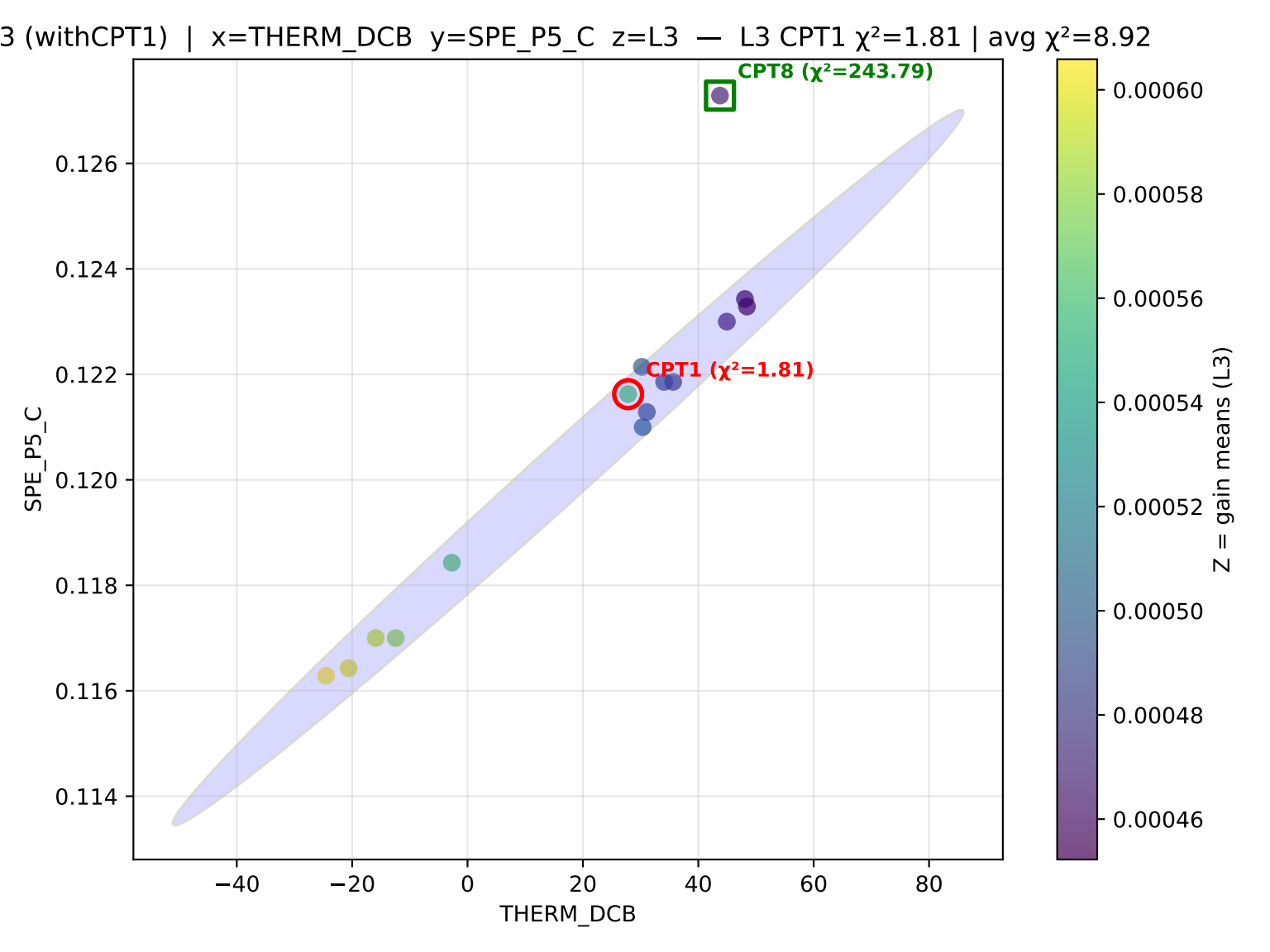

H2 (withCPT1) | x=THERM_DCB y=SPE_P5_C z=H2 — H2 CPT1 χ²=19.03 | avg χ²=8.92
CPT8 (χ²=3968.77)
CPT1 (χ²=19.03)
SPE_P5_C
THERM_DCB
Z = gain means (H2)
0.1300
0.1275
0.1250
0.1225
0.1200
0.1175
0.1150
0.1125
0.1100
−40
−20
0
20
40
60
80
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10

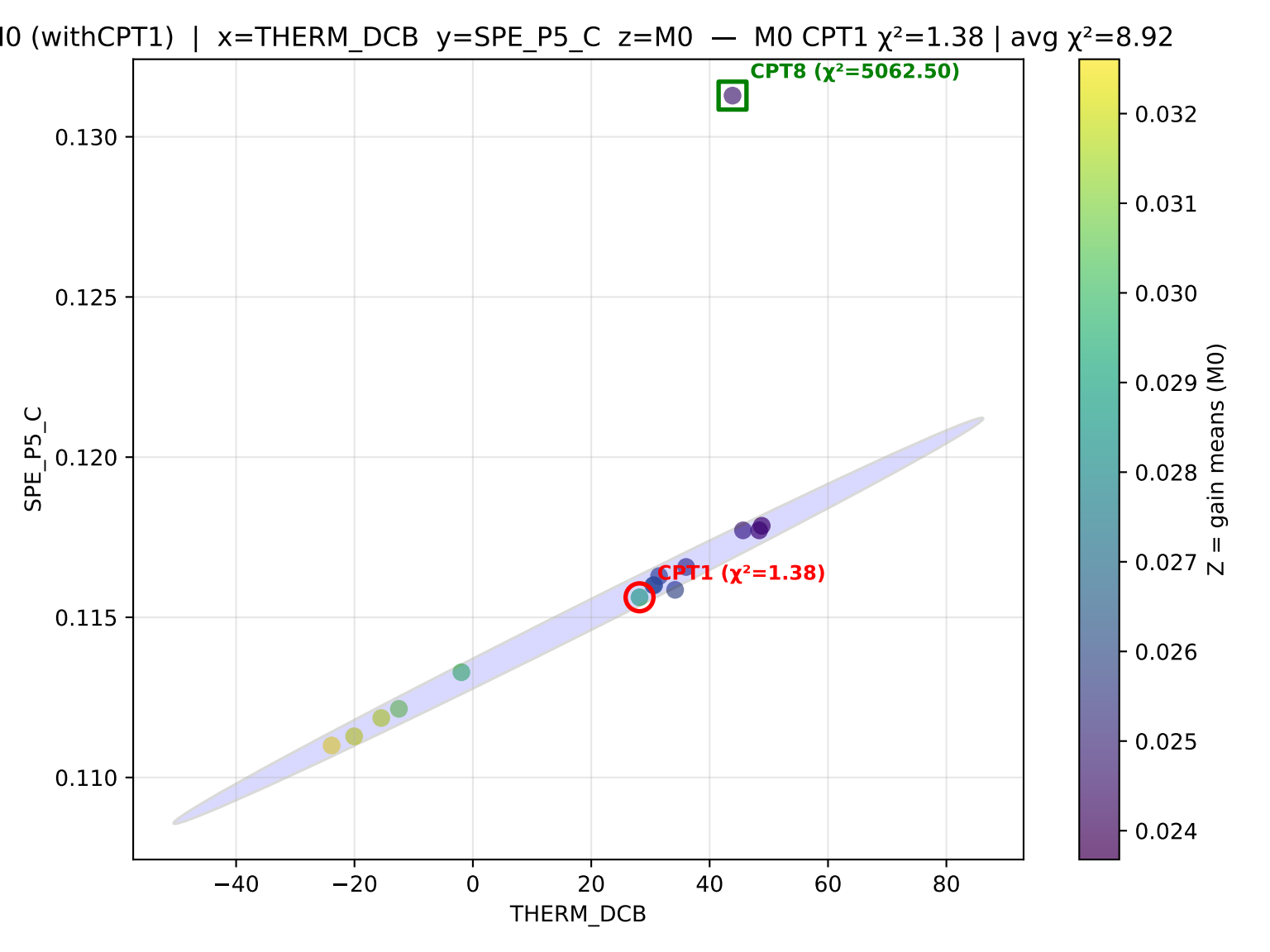

3 (withCPT1) | x=THERM_DCB y=SPE_P5_C z=H3 — H3 CPT1 χ²=13.90 | avg χ²=8.92
CPT8 (χ²=1370.62)
CPT1 (χ²=13.90)
SPE_P5_C
THERM_DCB
Z = gain means (H3)
0.124
0.122
0.120
0.118
0.116
0.114
0.112
0.110
−40
−20
0
20
40
60
80
1.30
1.25
1.20
1.15
1.10
1.05
1.00

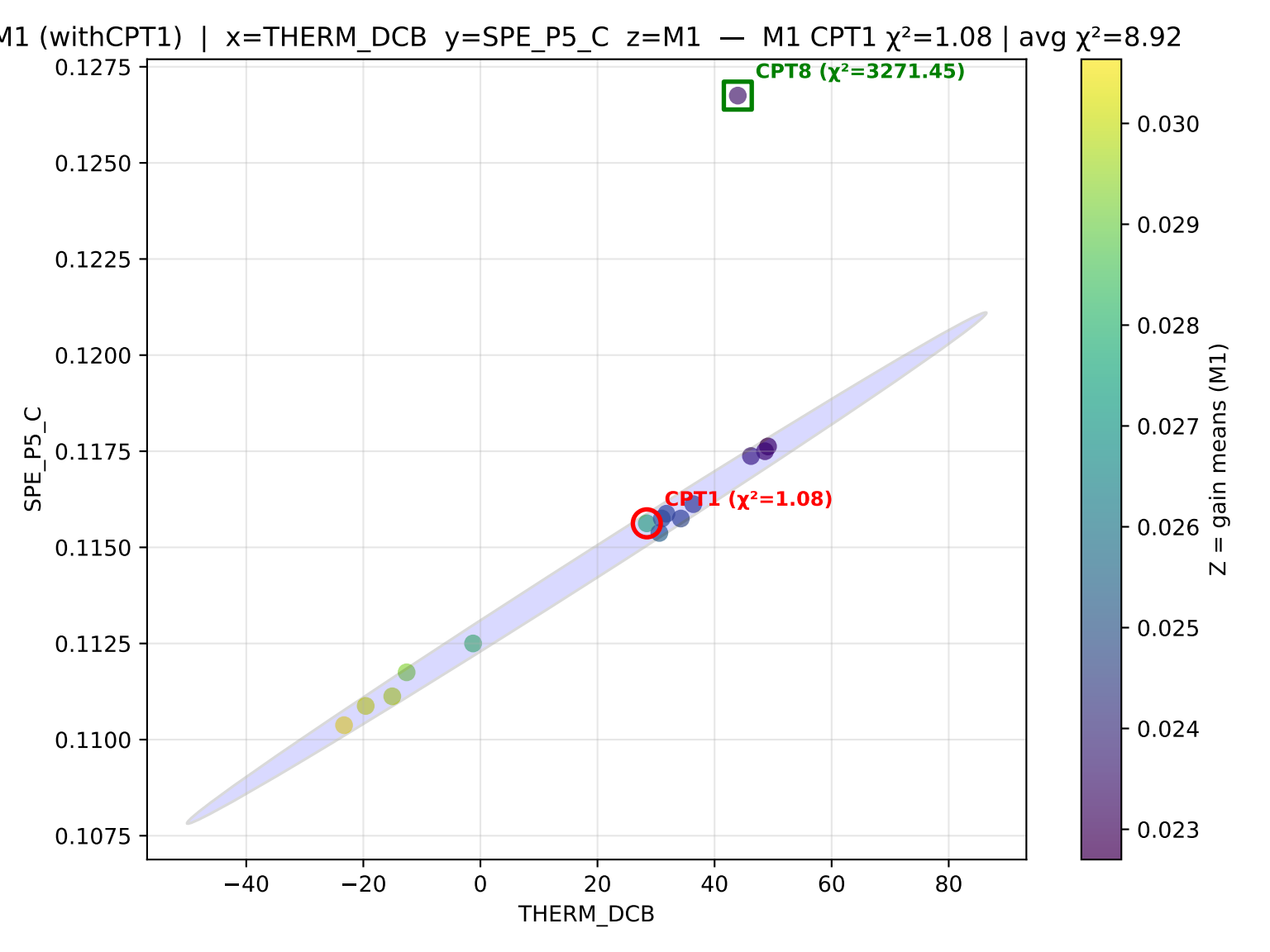

0 (withCPT1) | x=THERM_DCB y=SPE_P5_C z=L0 — L0 CPT1 χ²=3.34 | avg χ²=8.92
CPT1 (χ²=3.34)
CPT8 (χ²=367.71)
SPE_P5_C
THERM_DCB
Z = gain means (L0)
0.128
0.126
0.124
0.122
0.120
0.118
0.116
0.114
−40
−20
0
20
40
60
80
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

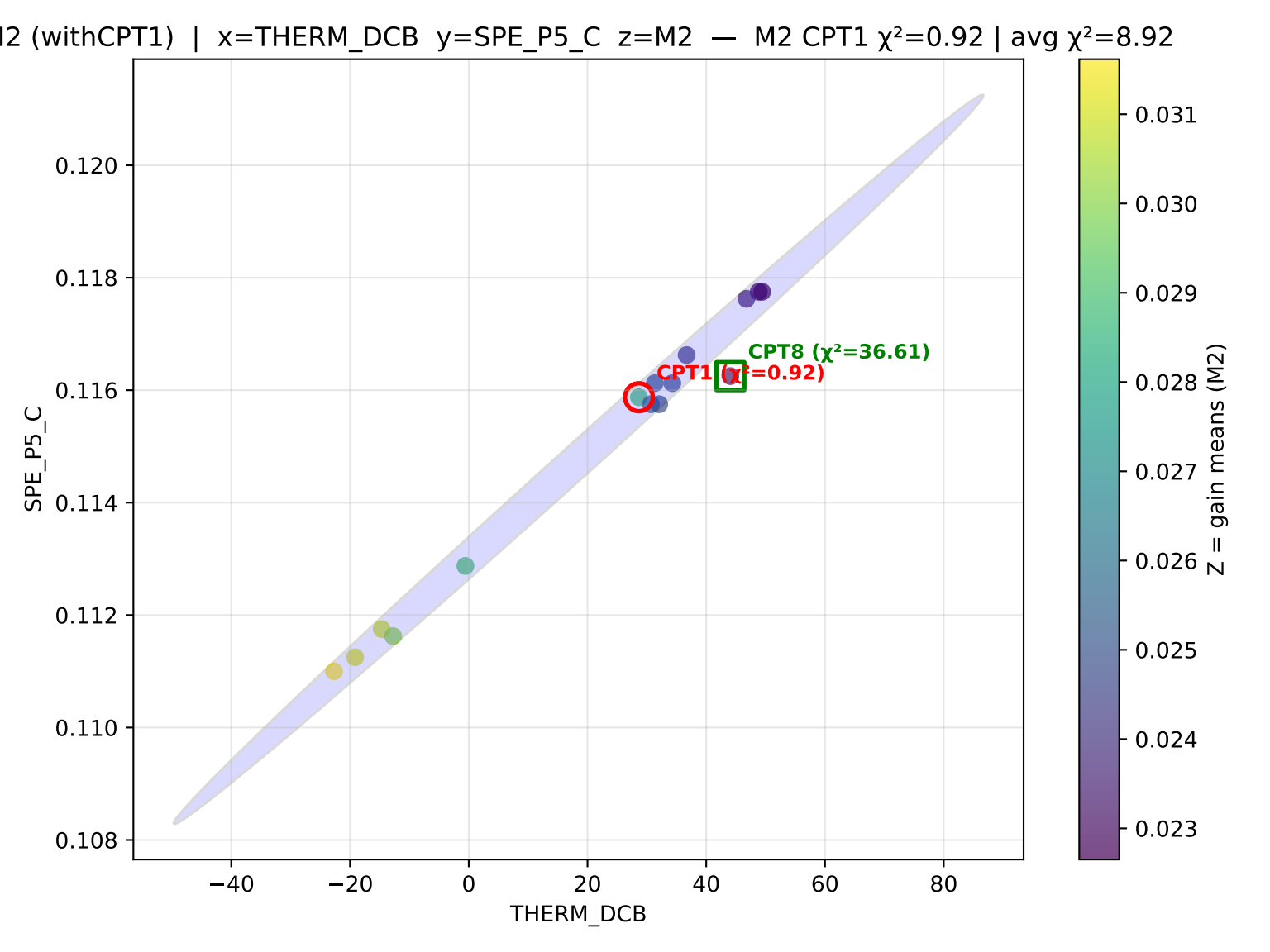

1 (withCPT1) | x=THERM_DCB y=SPE_P5_C z=L1 — L1 CPT1 χ²=2.36 | avg χ²=8.92
CPT1 (χ²=2.36)
CPT8 (χ²=147.31)
SPE_P5_C
THERM_DCB
Z = gain means (L1)
0.126
0.124
0.122
0.120
0.118
0.116
0.114
−40
−20
0
20
40
60
80
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052

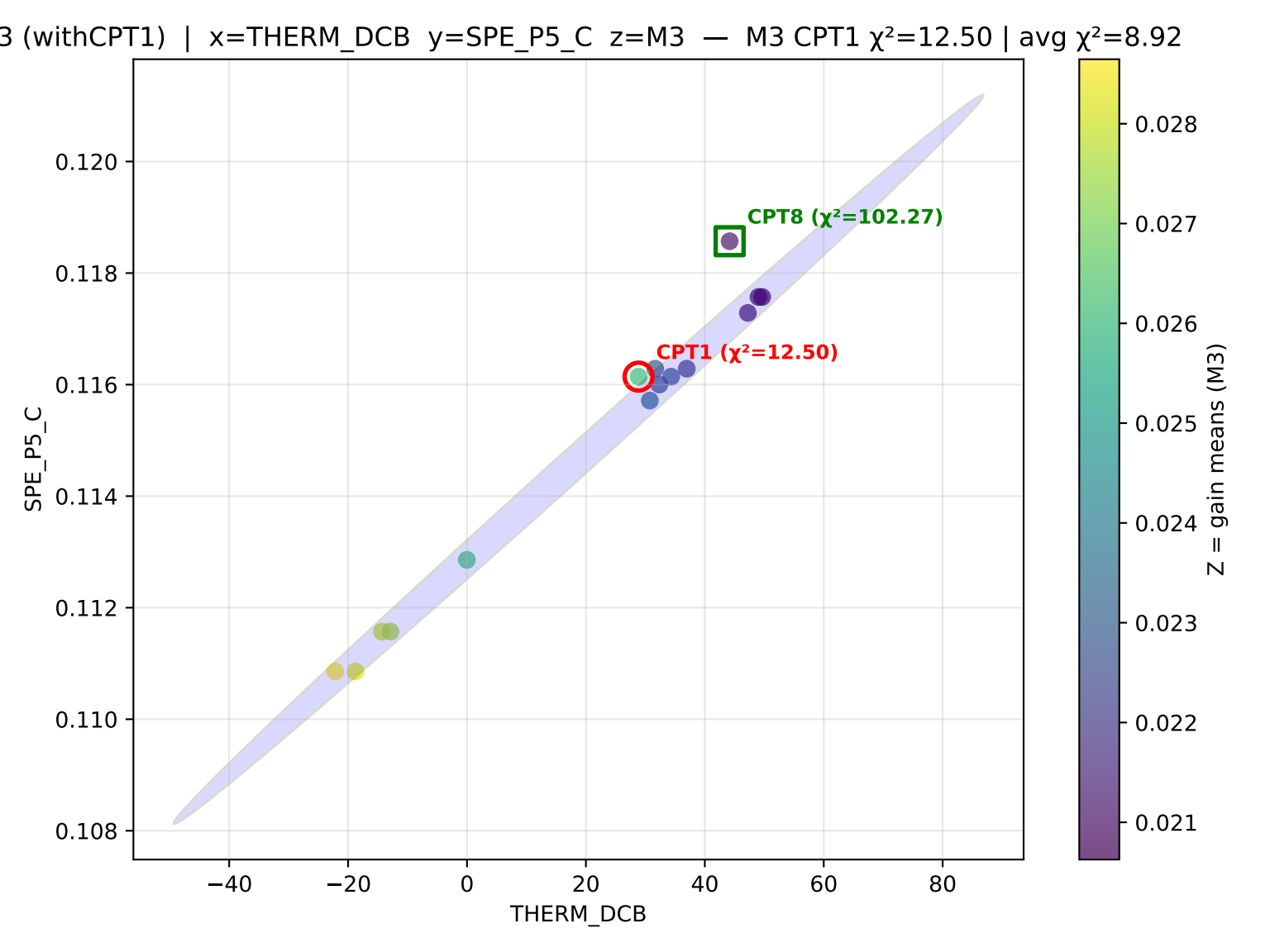

2 (withCPT1) | x=THERM_DCB y=SPE_P5_C z=L2 — L2 CPT1 χ²=8.72 | avg χ²=8.92
CPT8 (χ²=1.84)
CPT1 (χ²=8.72)
SPE_P5_C
THERM_DCB
Z = gain means (L2)
0.126
0.124
0.122
0.120
0.118
0.116
0.114
−40
−20
0
20
40
60
80
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


3 (withCPT1) | x=THERM_DCB y=SPE_P5_C z=L3 — L3 CPT1 χ²=1.81 | avg χ²=8.92
CPT8 (χ²=243.79)
CPT1 (χ²=1.81)
SPE_P5_C
THERM_DCB
Z = gain means (L3)
0.126
0.124
0.122
0.120
0.118
0.116
0.114
−40
−20
0
20
40
60
80
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


M0 (withCPT1) | x=THERM_DCB y=SPE_P5_C z=M0 — M0 CPT1 χ²=1.38 | avg χ²=8.92
CPT8 (χ²=5062.50)
CPT1 (χ²=1.38)
SPE_P5_C
THERM_DCB
Z = gain means (M0)
0.130
0.125
0.120
0.115
0.110
−40
−20
0
20
40
60
80
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

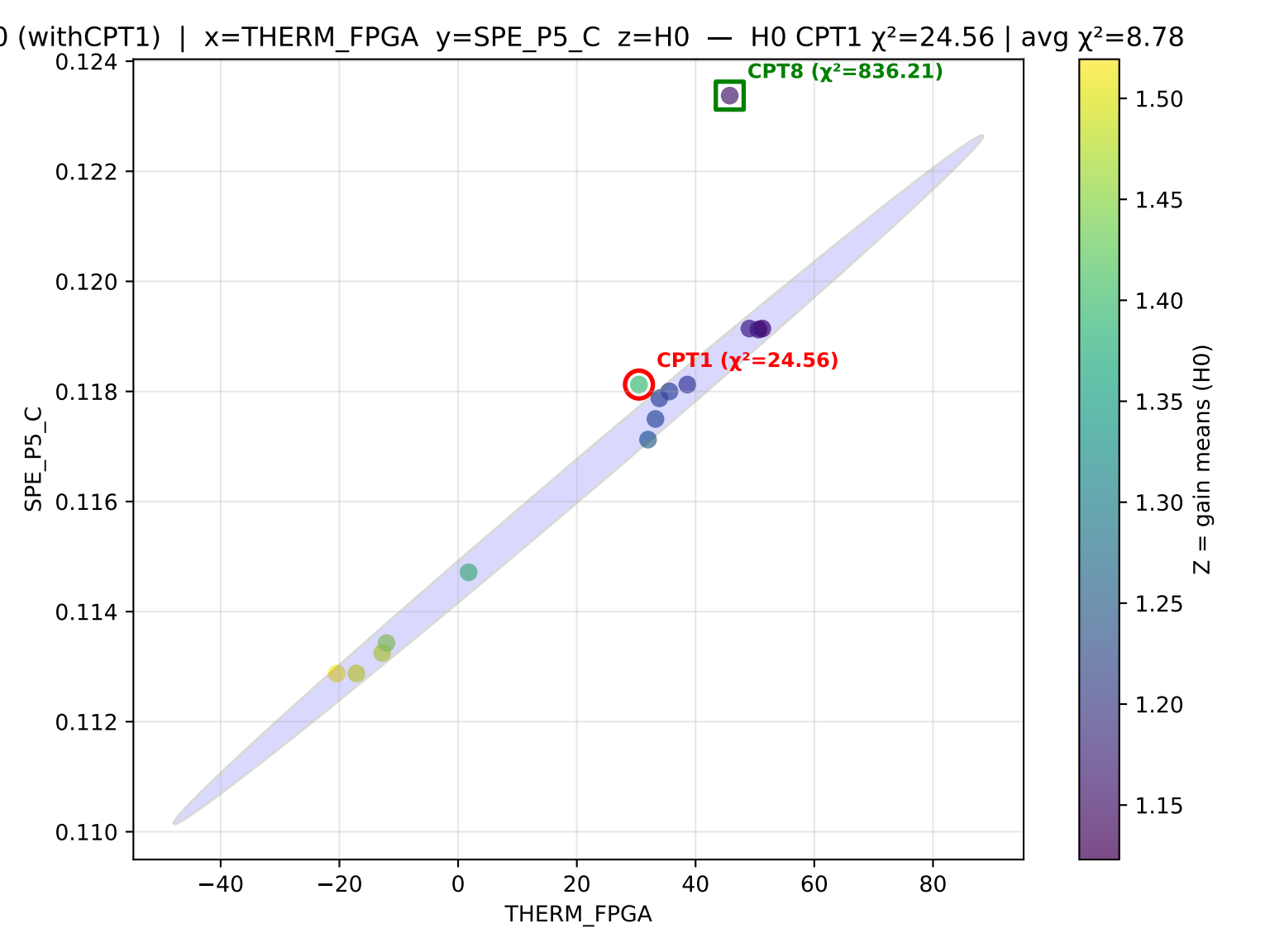

M1 (withCPT1) | x=THERM_DCB y=SPE_P5_C z=M1 — M1 CPT1 χ²=1.08 | avg χ²=8.92
CPT8 (χ²=3271.45)
CPT1 (χ²=1.08)
SPE_P5_C
THERM_DCB
Z = gain means (M1)
0.1275
0.1250
0.1225
0.1200
0.1175
0.1150
0.1125
0.1100
0.1075
−40
−20
0
20
40
60
80
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

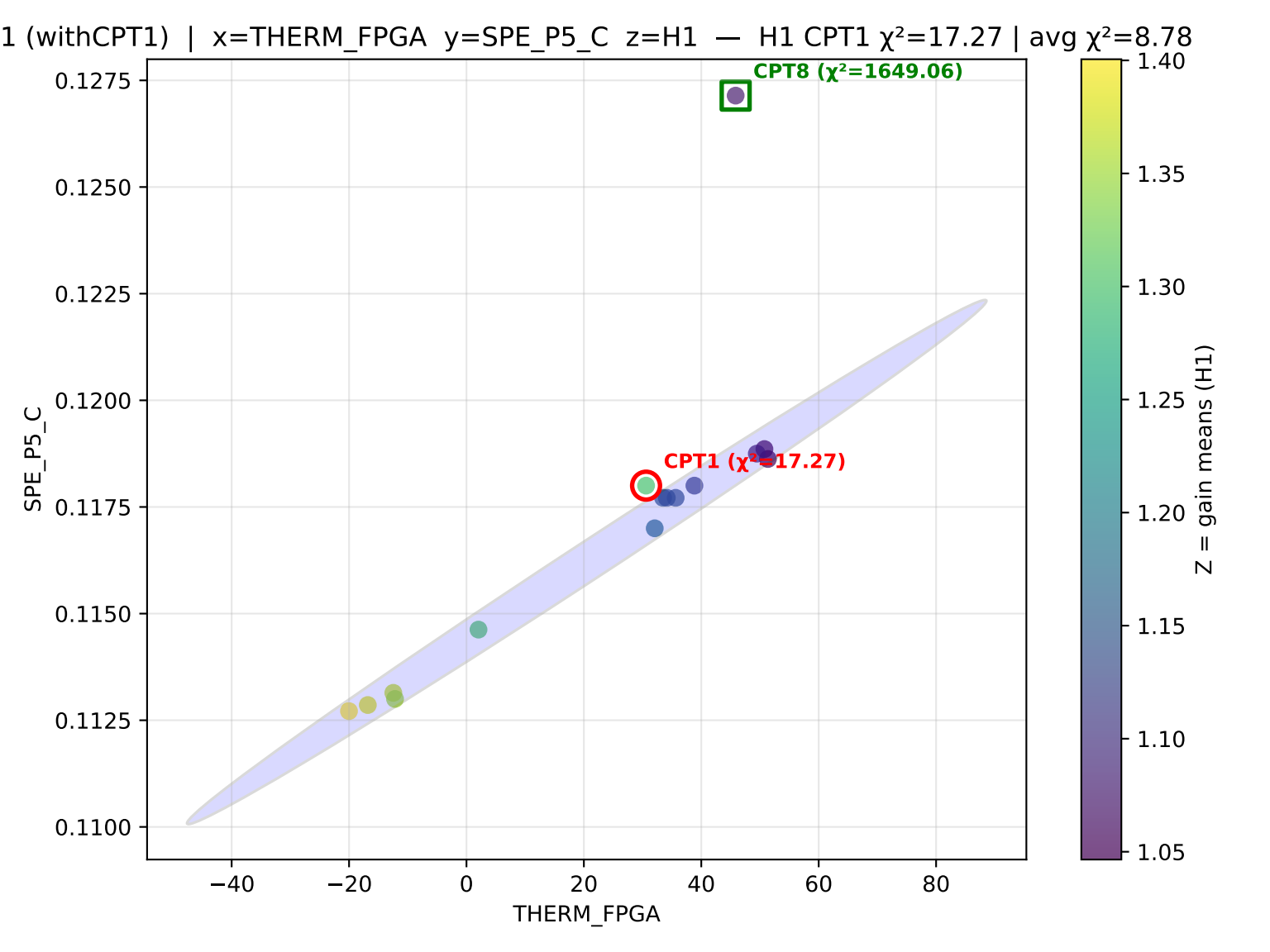

M2 (withCPT1) | x=THERM_DCB y=SPE_P5_C z=M2 — M2 CPT1 χ²=0.92 | avg χ²=8.92
CPT8 (χ²=36.61)
CPT1 (χ²=0.92)
SPE_P5_C
THERM_DCB
Z = gain means (M2)
0.120
0.118
0.116
0.114
0.112
0.110
0.108
−40
−20
0
20
40
60
80
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

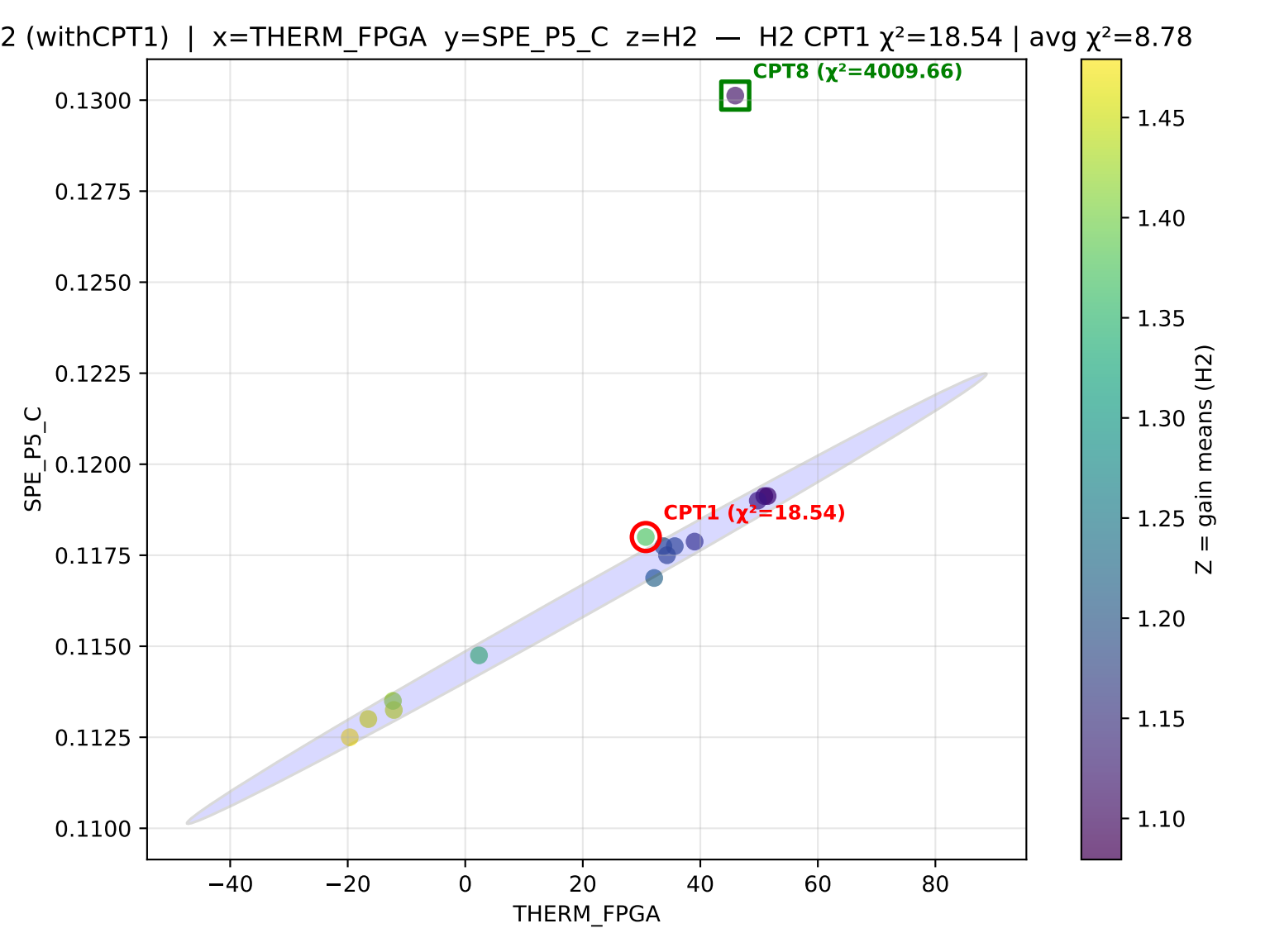

3 (withCPT1) | x=THERM_DCB y=SPE_P5_C z=M3 — M3 CPT1 χ²=12.50 | avg χ²=8.92
CPT8 (χ²=102.27)
CPT1 (χ²=12.50)
SPE_P5_C
THERM_DCB
Z = gain means (M3)
0.120
0.118
0.116
0.114
0.112
0.110
0.108
−40
−20
0
20
40
60
80
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

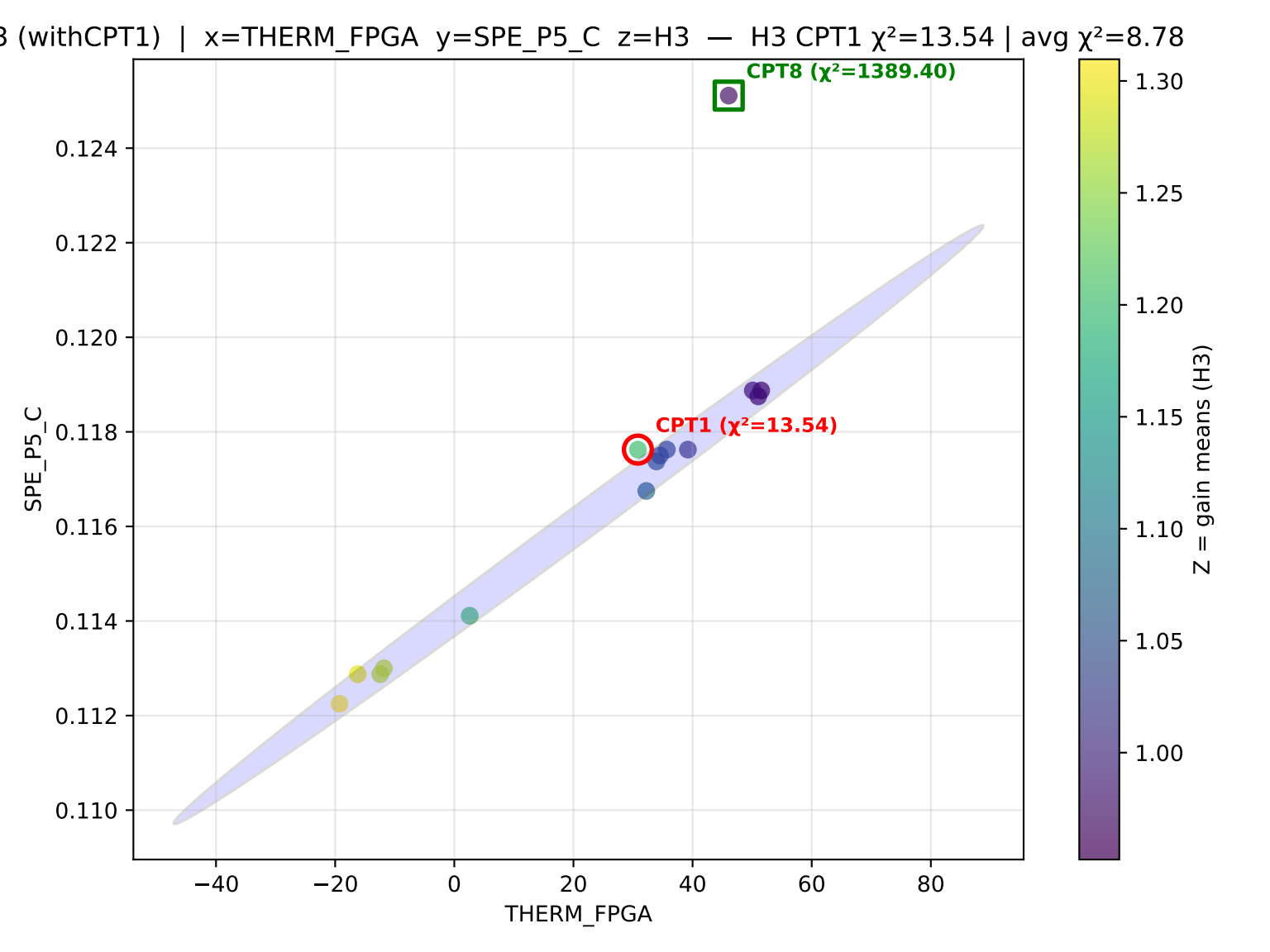
Pair: THERM_FPGA vs SPE_P5_C

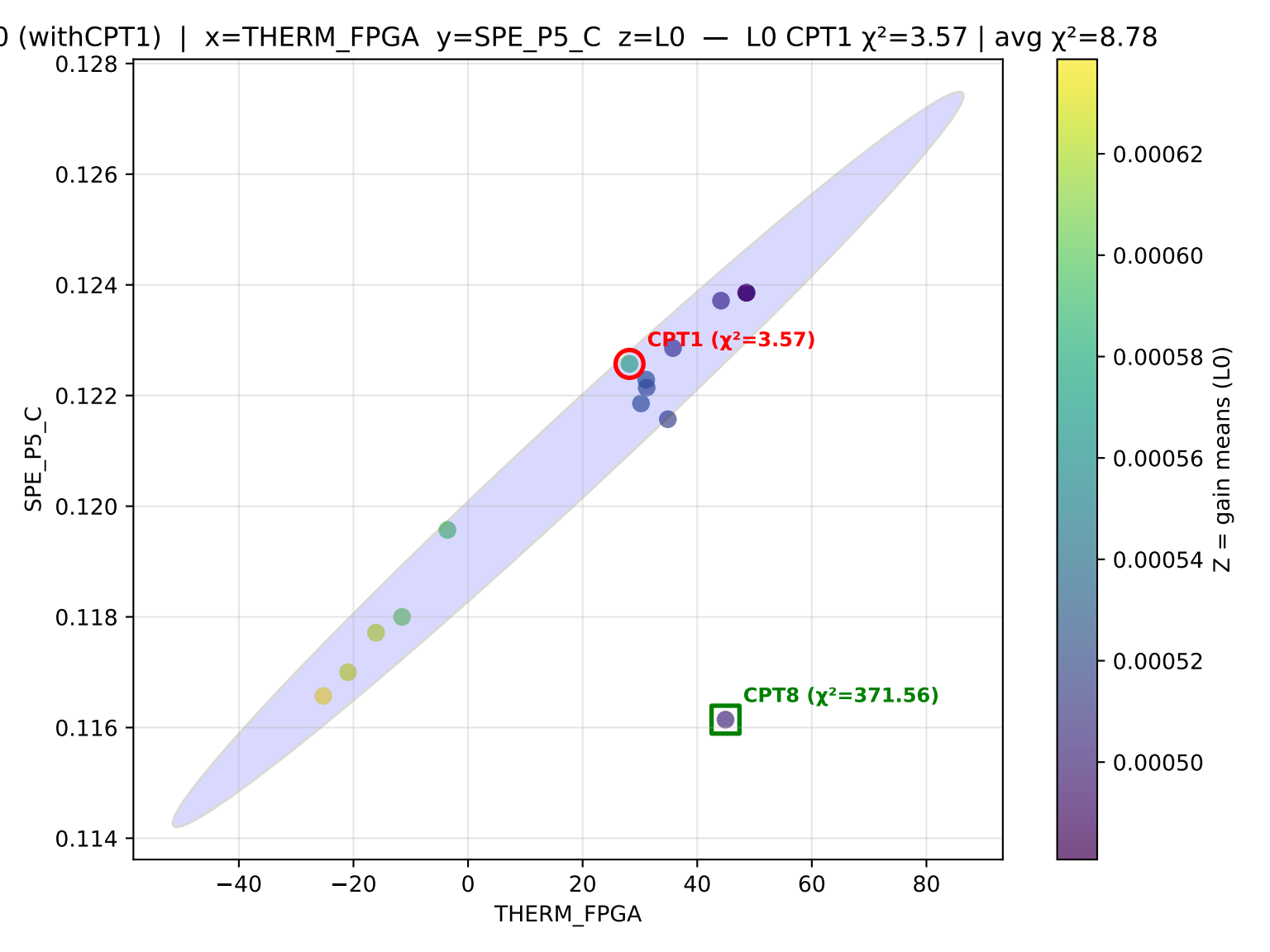
Average χ^2(CPT1) across settings: 8.78

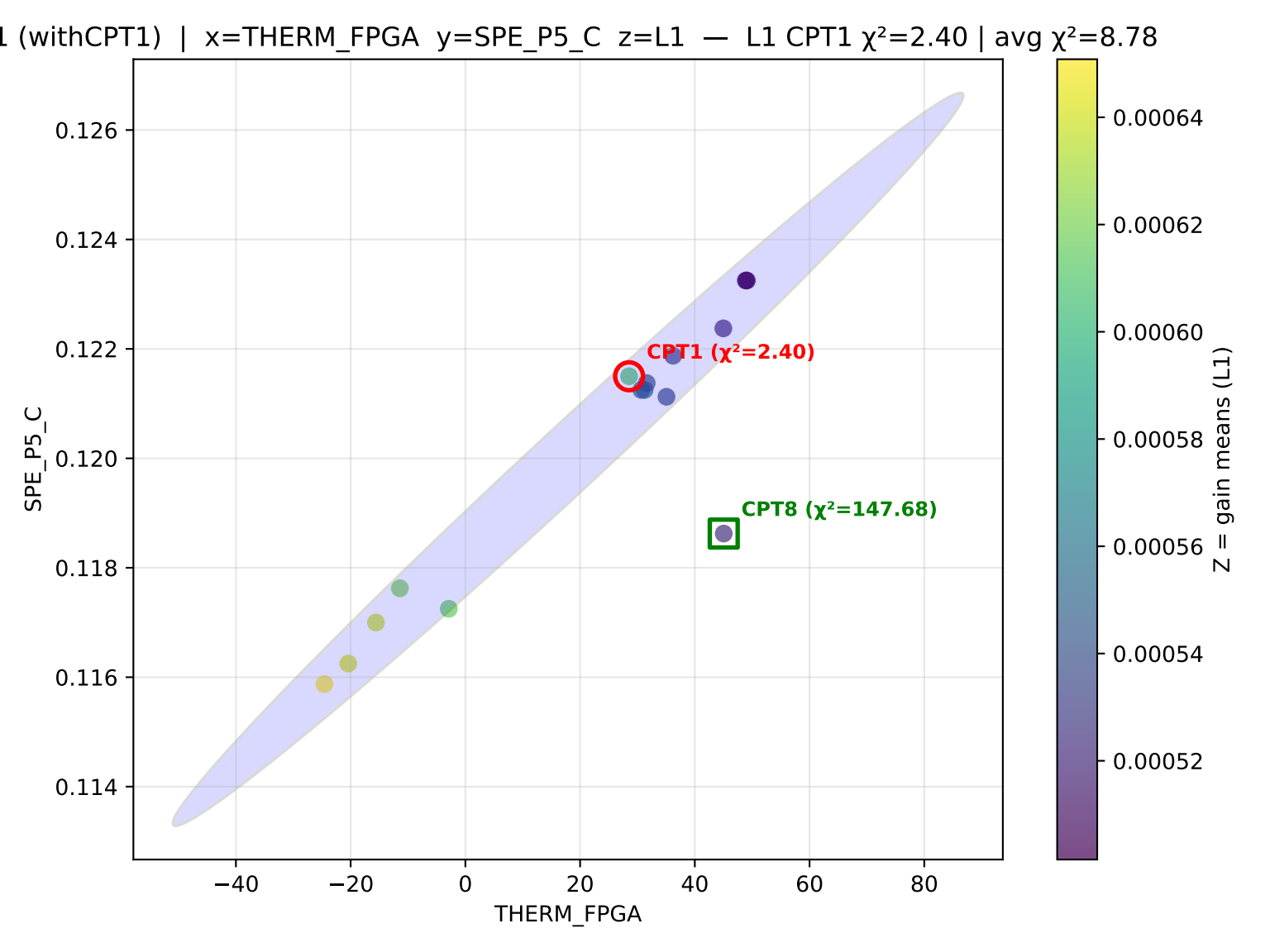

0 (withCPT1) | x=THERM_FPGA y=SPE_P5_C z=H0 — H0 CPT1 χ²=24.56 | avg χ²=8.78
CPT8 (χ²=836.21)
CPT1 (χ²=24.56)
SPE_P5_C
THERM_FPGA
Z = gain means (H0)
0.124
0.122
0.120
0.118
0.116
0.114
0.112
0.110
−40
−20
0
20
40
60
80
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

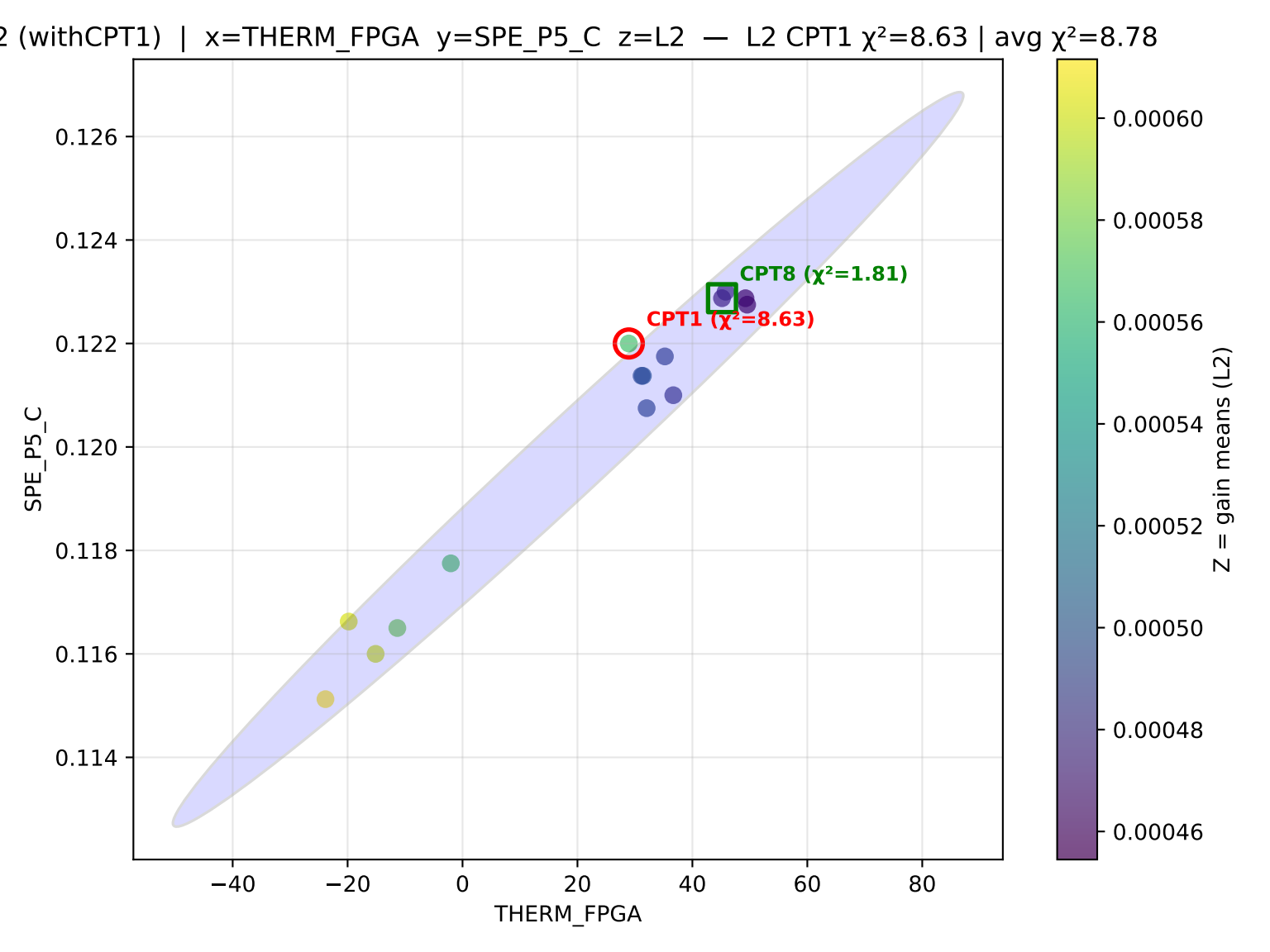

1 (withCPT1) | x=THERM_FPGA y=SPE_P5_C z=H1 — H1 CPT1 χ²=17.27 | avg χ²=8.78
CPT8 (χ²=1649.06)
CPT1 (χ²=17.27)
SPE_P5_C
THERM_FPGA
Z = gain means (H1)
0.1275
0.1250
0.1225
0.1200
0.1175
0.1150
0.1125
0.1100
−40
−20
0
20
40
60
80
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

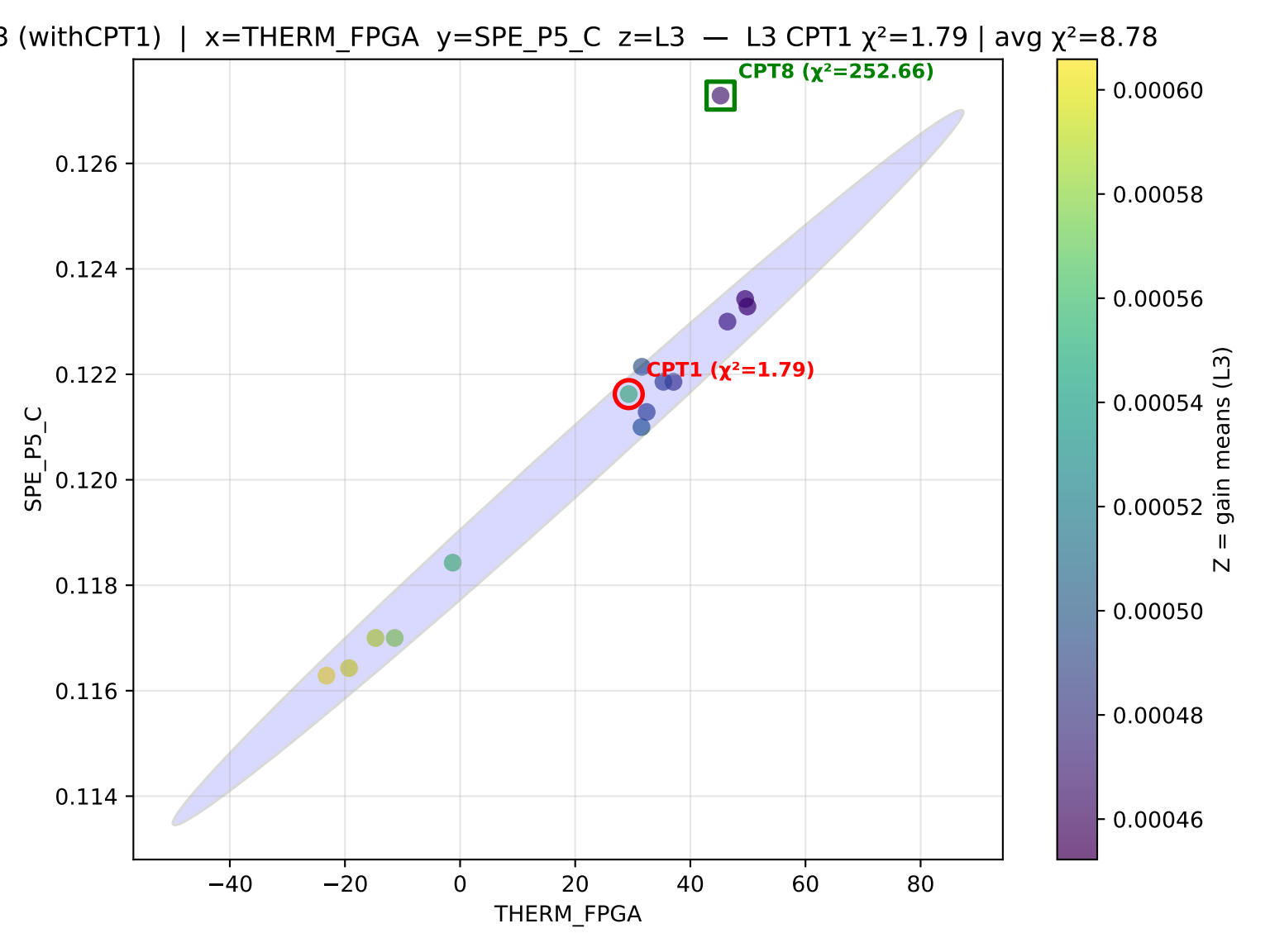

2 (withCPT1) | x=THERM_FPGA y=SPE_P5_C z=H2 — H2 CPT1 χ²=18.54 | avg χ²=8.78
CPT8 (χ²=4009.66)
CPT1 (χ²=18.54)
SPE_P5_C
THERM_FPGA
Z = gain means (H2)
0.1300
0.1275
0.1250
0.1225
0.1200
0.1175
0.1150
0.1125
0.1100
−40
−20
0
20
40
60
80
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10

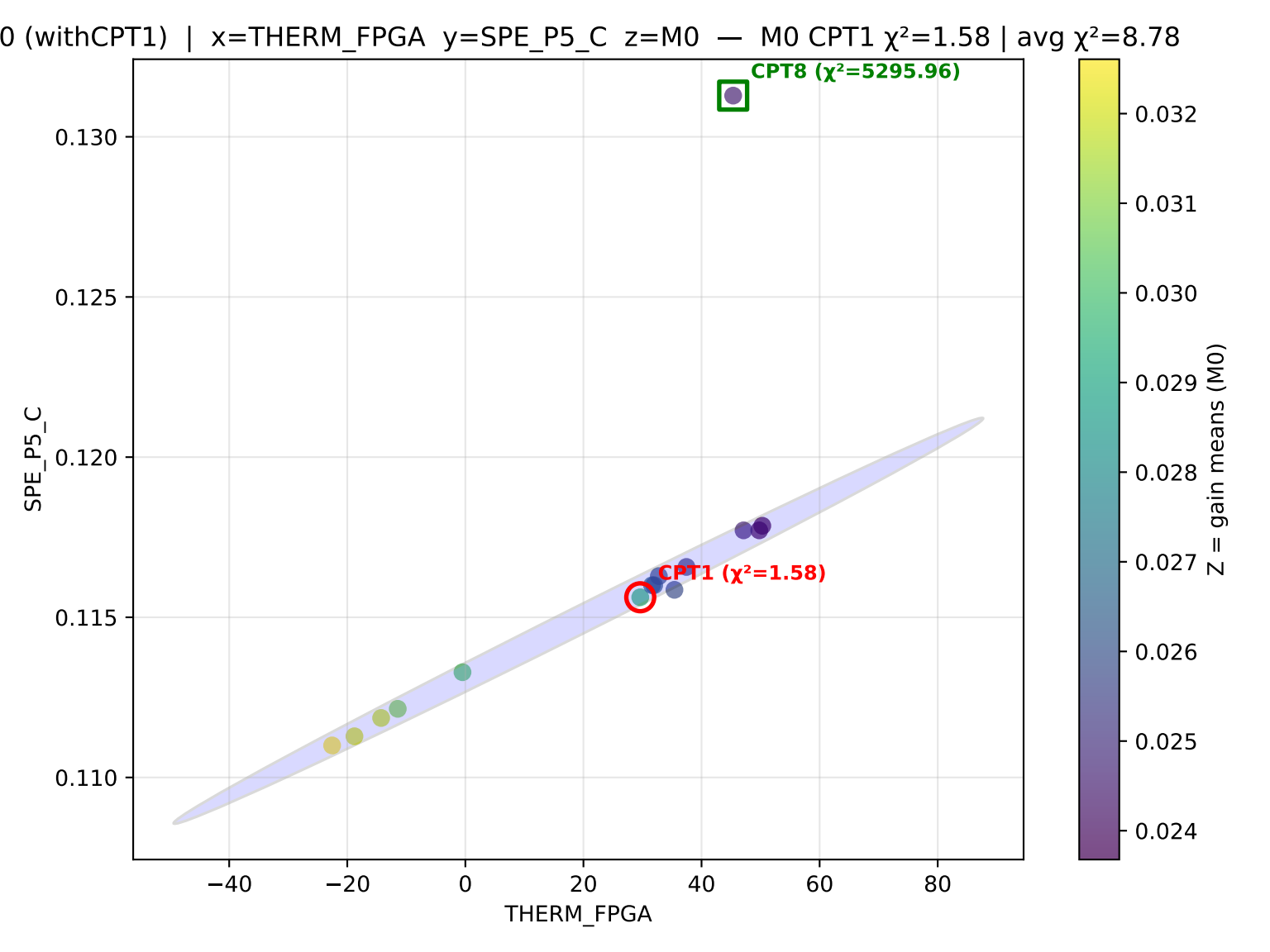

3 (withCPT1) | x=THERM_FPGA y=SPE_P5_C z=H3 — H3 CPT1 χ²=13.54 | avg χ²=8.78
CPT8 (χ²=1389.40)
CPT1 (χ²=13.54)
SPE_P5_C
THERM_FPGA
Z = gain means (H3)
0.124
0.122
0.120
0.118
0.116
0.114
0.112
0.110
−40
−20
0
20
40
60
80
1.30
1.25
1.20
1.15
1.10
1.05
1.00

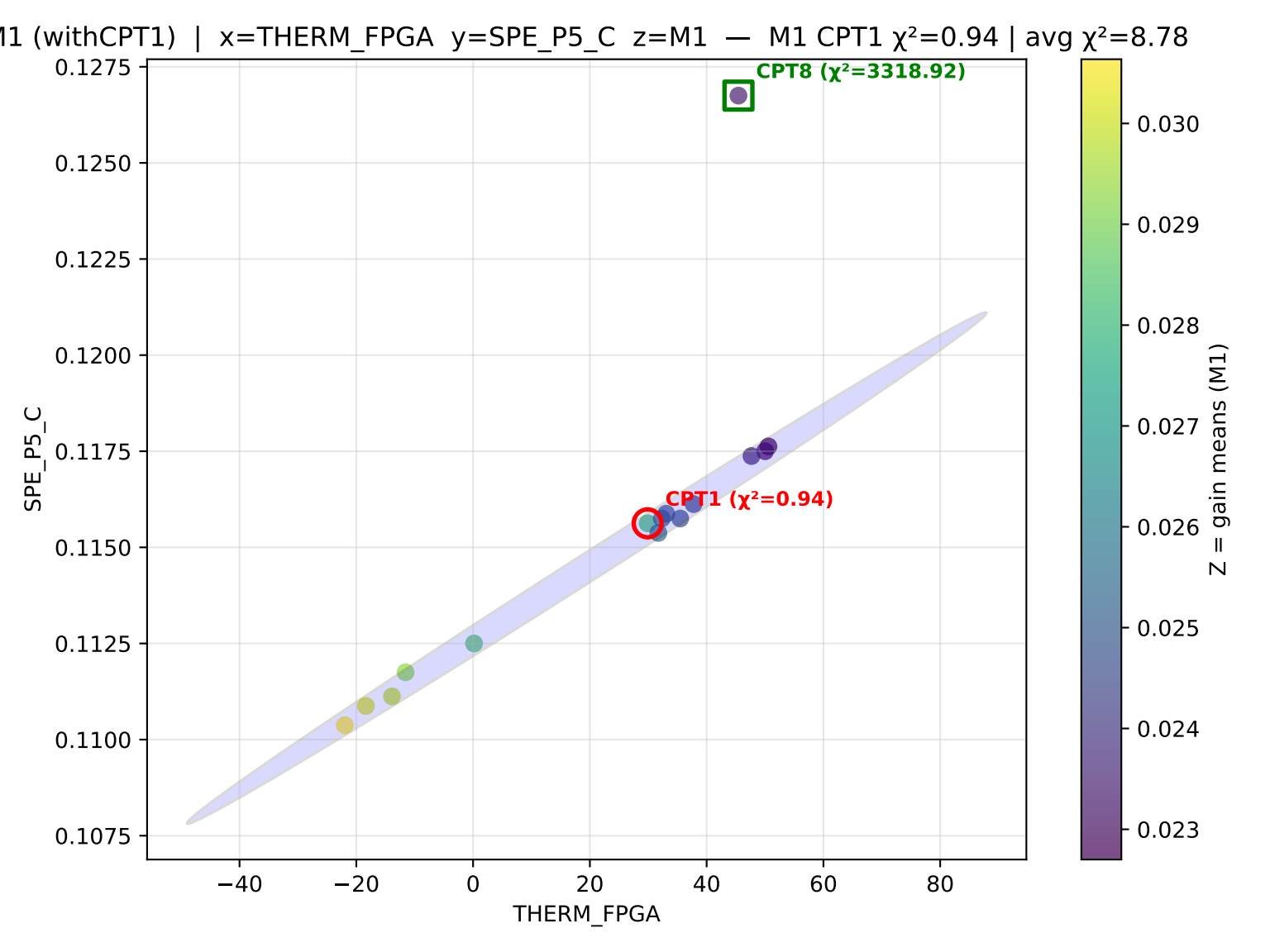

0 (withCPT1) | x=THERM_FPGA y=SPE_P5_C z=L0 — L0 CPT1 χ²=3.57 | avg χ²=8.78
CPT1 (χ²=3.57)
CPT8 (χ²=371.56)
SPE_P5_C
THERM_FPGA
Z = gain means (L0)
0.128
0.126
0.124
0.122
0.120
0.118
0.116
0.114
−40
−20
0
20
40
60
80
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

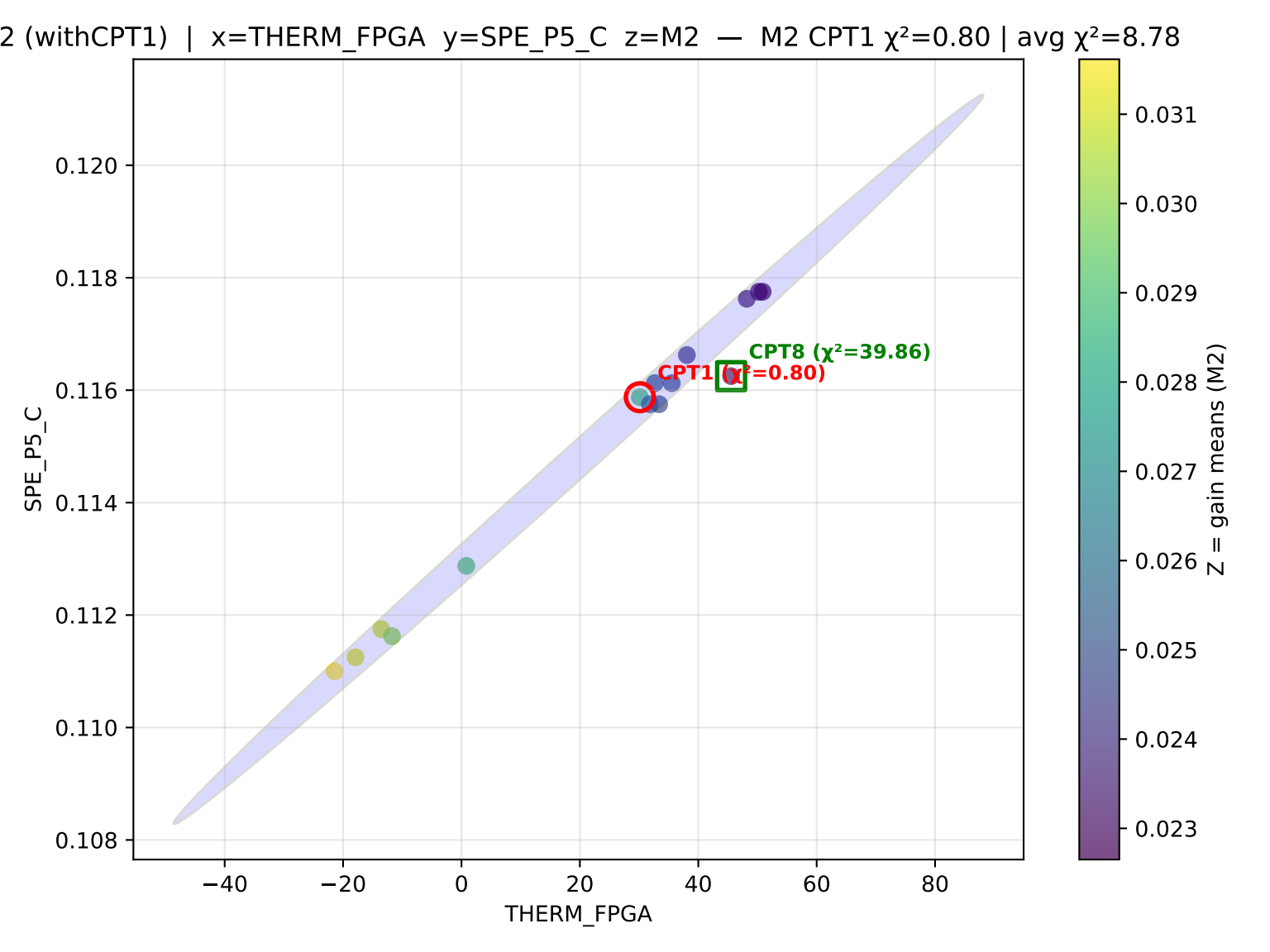

1 (withCPT1) | x=THERM_FPGA y=SPE_P5_C z=L1 — L1 CPT1 χ²=2.40 | avg χ²=8.78
CPT1 (χ²=2.40)
CPT8 (χ²=147.68)
SPE_P5_C
THERM_FPGA
Z = gain means (L1)
0.126
0.124
0.122
0.120
0.118
0.116
0.114
−40
−20
0
20
40
60
80
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052

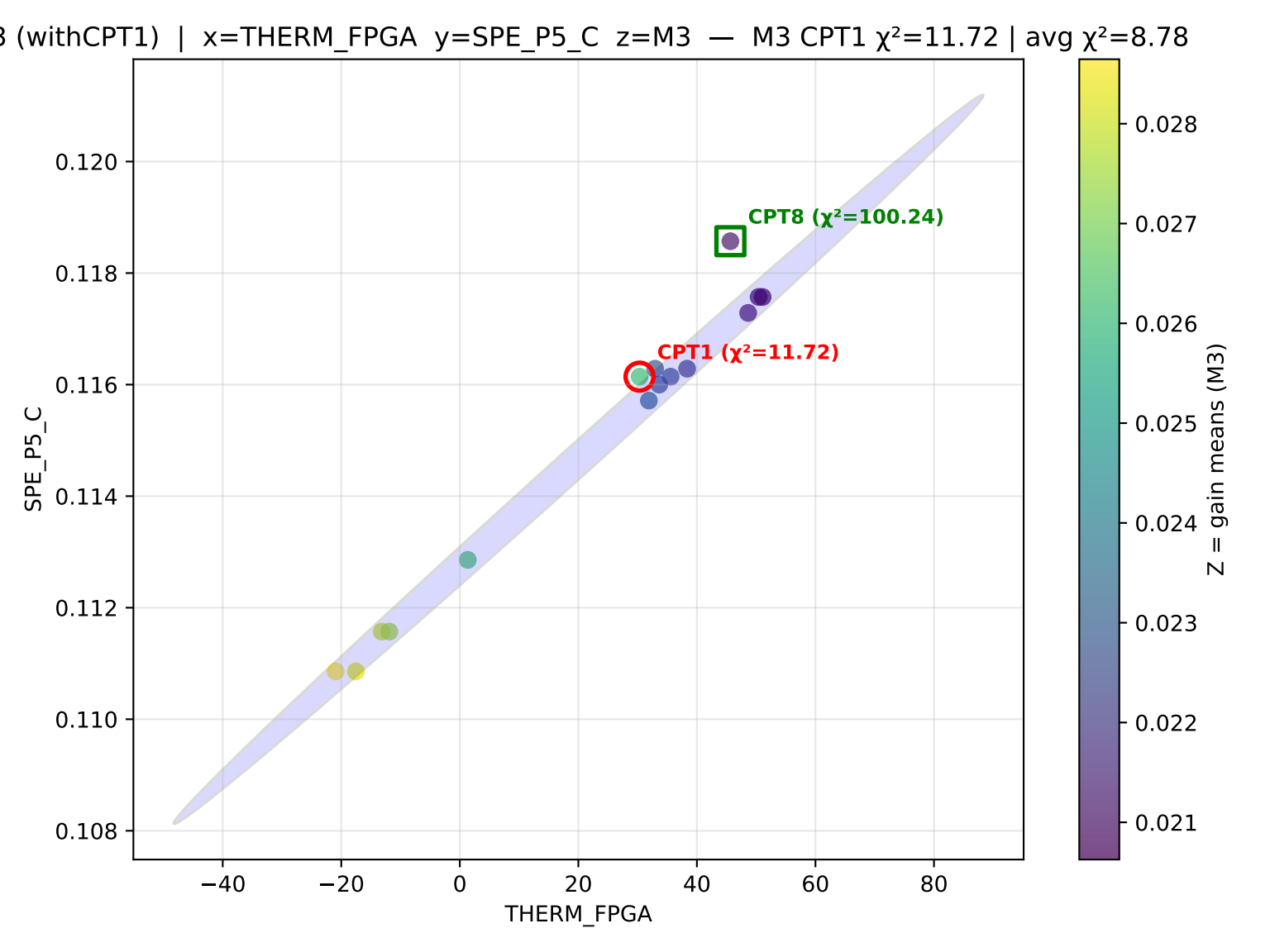

2 (withCPT1) | x=THERM_FPGA y=SPE_P5_C z=L2 — L2 CPT1 χ²=8.63 | avg χ²=8.78
CPT8 (χ²=1.81)
CPT1 (χ²=8.63)
SPE_P5_C
THERM_FPGA
Z = gain means (L2)
0.126
0.124
0.122
0.120
0.118
0.116
0.114
−40
−20
0
20
40
60
80
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


3 (withCPT1) | x=THERM_FPGA y=SPE_P5_C z=L3 — L3 CPT1 χ²=1.79 | avg χ²=8.78
CPT8 (χ²=252.66)
CPT1 (χ²=1.79)
SPE_P5_C
THERM_FPGA
Z = gain means (L3)
0.126
0.124
0.122
0.120
0.118
0.116
0.114
−40
−20
0
20
40
60
80
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


0 (withCPT1) | x=THERM_FPGA y=SPE_P5_C z=M0 — M0 CPT1 χ²=1.58 | avg χ²=8.78
CPT8 (χ²=5295.96)
CPT1 (χ²=1.58)
SPE_P5_C
THERM_FPGA
Z = gain means (M0)
0.130
0.125
0.120
0.115
0.110
−40
−20
0
20
40
60
80
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

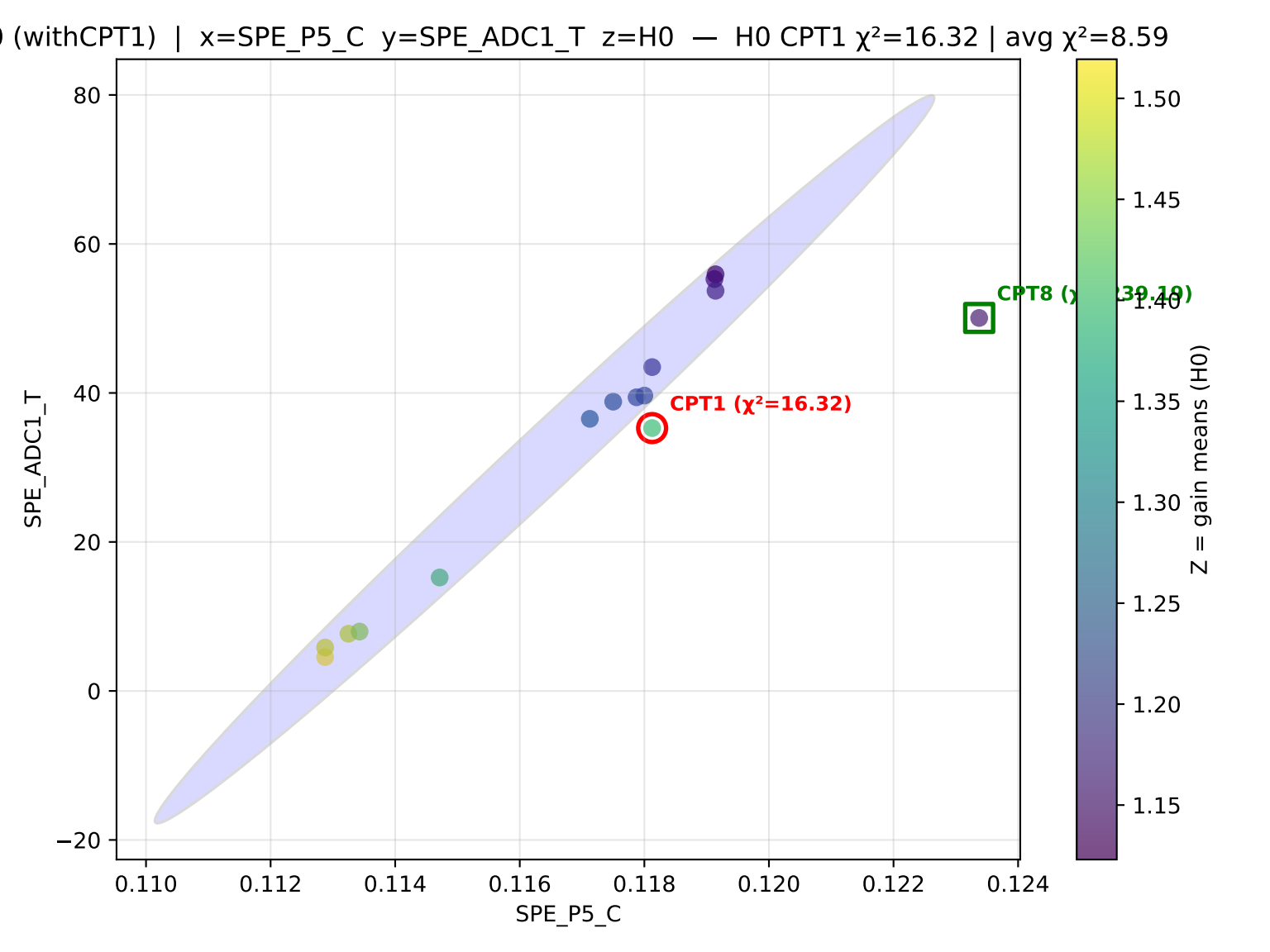

M1 (withCPT1) | x=THERM_FPGA y=SPE_P5_C z=M1 — M1 CPT1 χ²=0.94 | avg χ²=8.78
CPT8 (χ²=3318.92)
CPT1 (χ²=0.94)
SPE_P5_C
THERM_FPGA
Z = gain means (M1)
0.1275
0.1250
0.1225
0.1200
0.1175
0.1150
0.1125
0.1100
0.1075
−40
−20
0
20
40
60
80
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

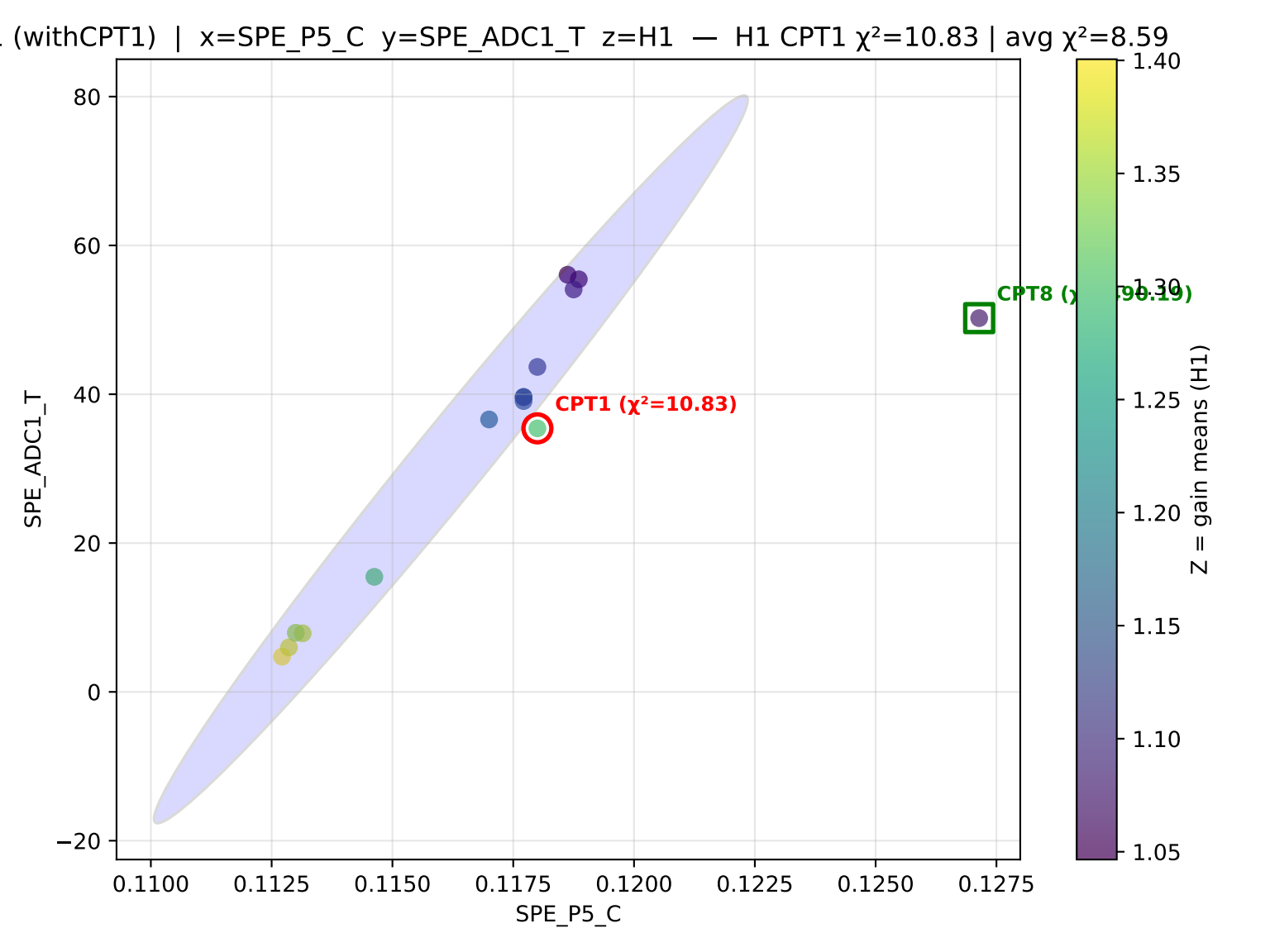

2 (withCPT1) | x=THERM_FPGA y=SPE_P5_C z=M2 — M2 CPT1 χ²=0.80 | avg χ²=8.78
CPT8 (χ²=39.86)
CPT1 (χ²=0.80)
SPE_P5_C
THERM_FPGA
Z = gain means (M2)
0.120
0.118
0.116
0.114
0.112
0.110
0.108
−40
−20
0
20
40
60
80
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

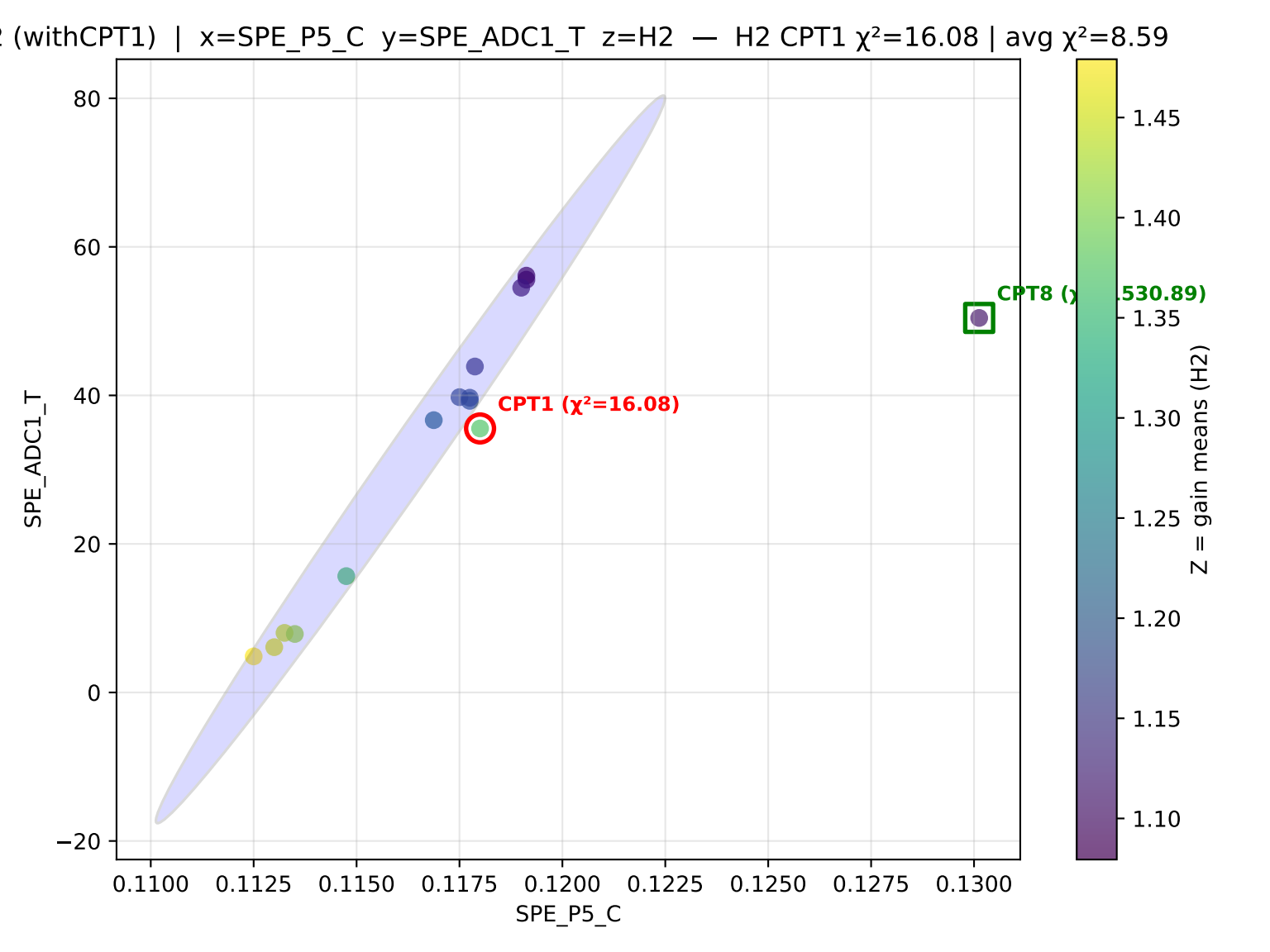

3 (withCPT1) | x=THERM_FPGA y=SPE_P5_C z=M3 — M3 CPT1 χ²=11.72 | avg χ²=8.78
CPT8 (χ²=100.24)
CPT1 (χ²=11.72)
SPE_P5_C
THERM_FPGA
Z = gain means (M3)
0.120
0.118
0.116
0.114
0.112
0.110
0.108
−40
−20
0
20
40
60
80
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

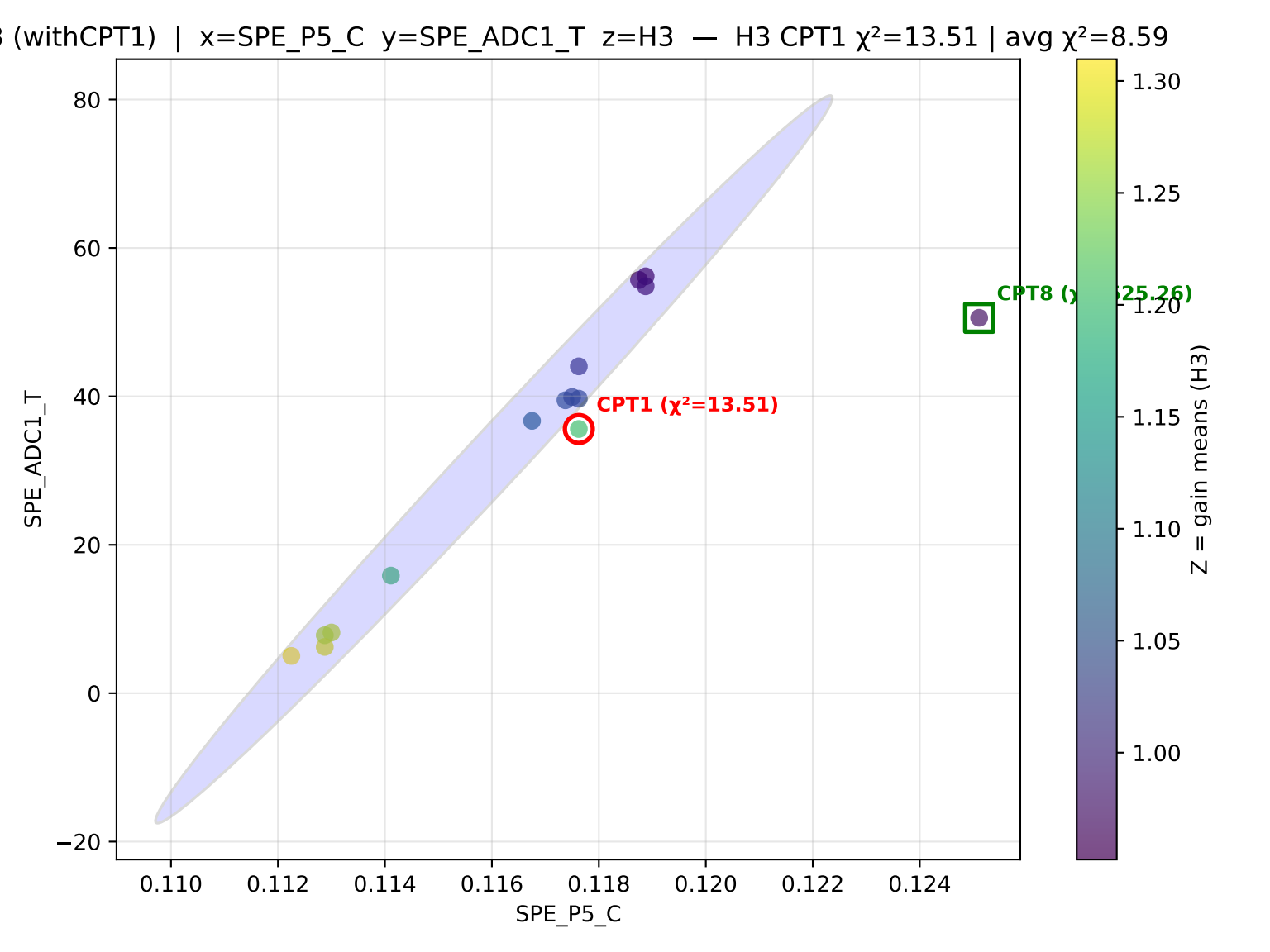
Pair: SPE_P5_C vs SPE_ADC1_T

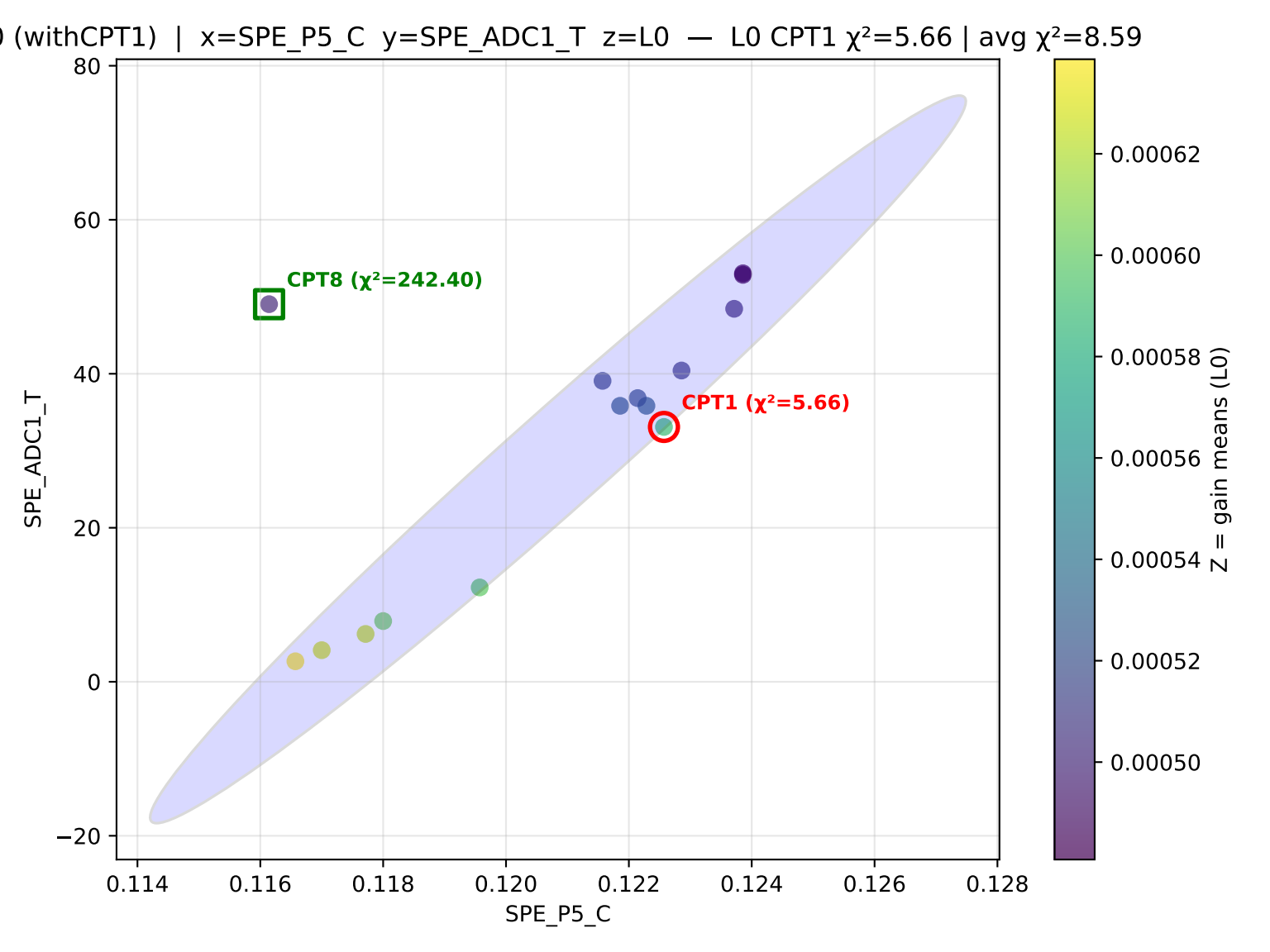
Average χ^2(CPT1) across settings: 8.59

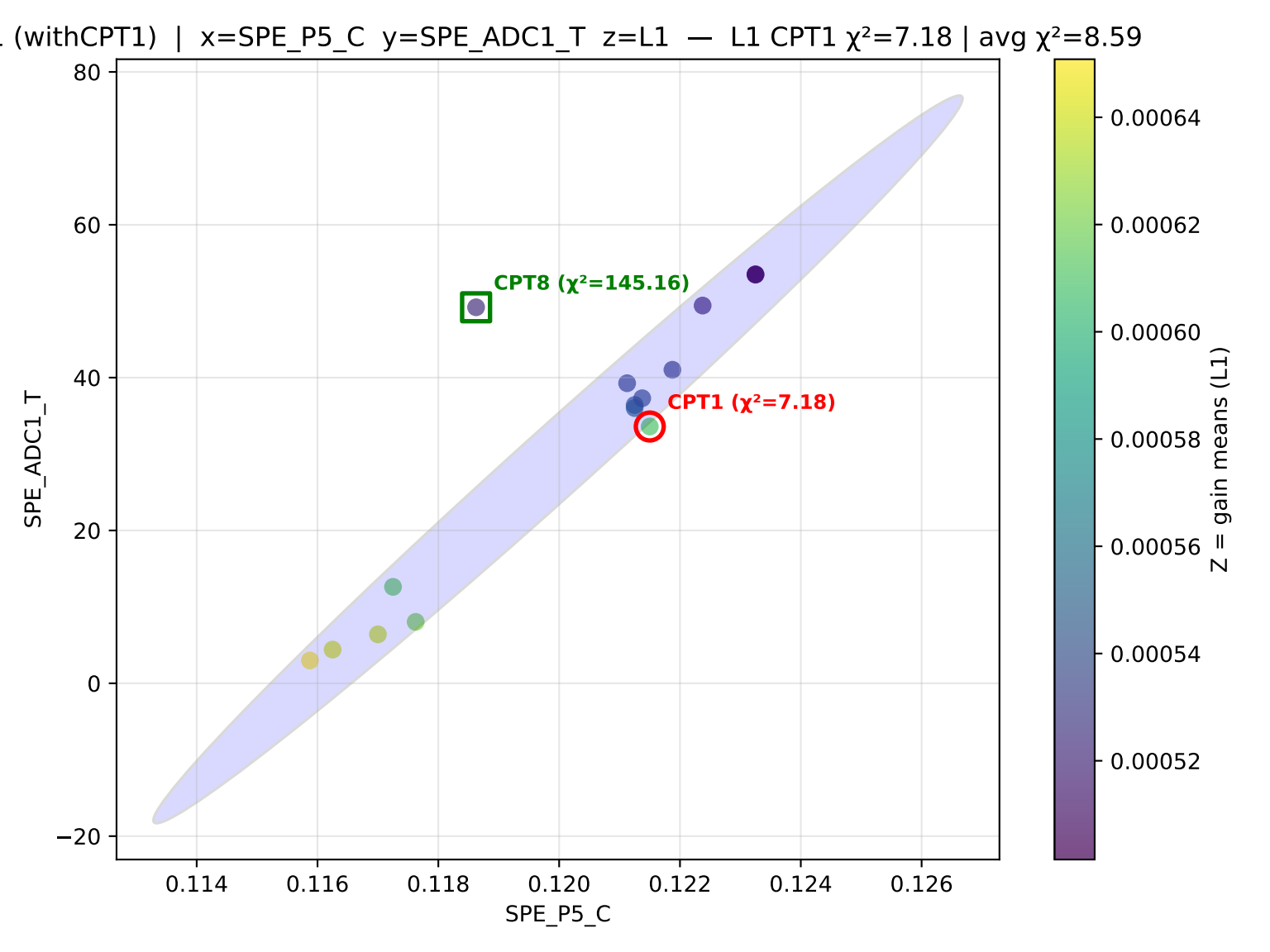

0 (withCPT1) | x=SPE_P5_C y=SPE_ADC1_T z=H0 — H0 CPT1 χ²=16.32 | avg χ²=8.59
CPT1 (χ²=16.32)
CPT8 (χ
39.10)
SPE_ADC1_T
SPE_P5_C
Z = gain means (H0)
80
60
40
20
0
−20
0.110
0.112
0.114
0.116
0.118
0.120
0.122
0.124
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

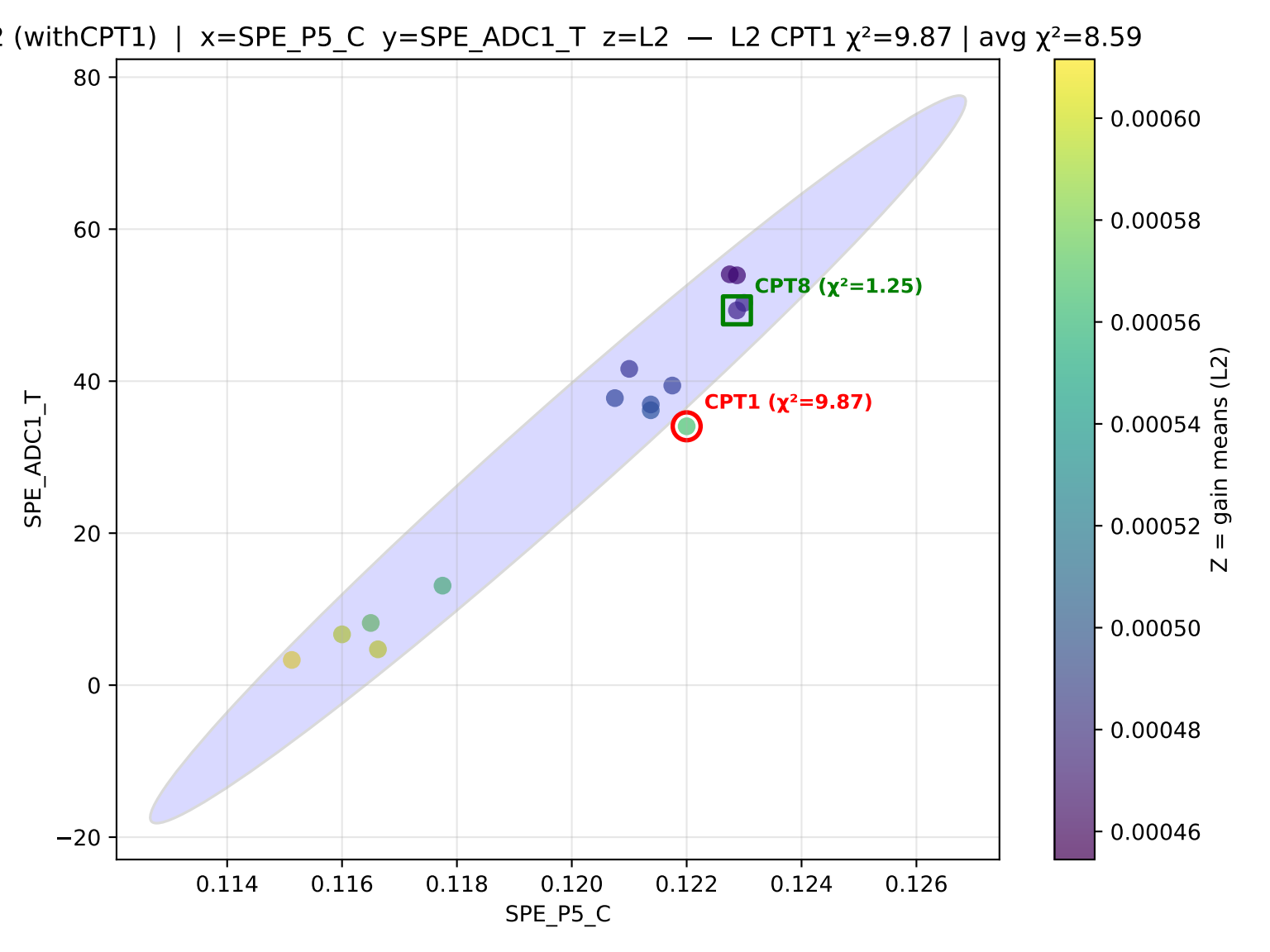

(withCPT1) | x=SPE_P5_C y=SPE_ADC1_T z=H1 — H1 CPT1 χ²=10.83 | avg χ²=8.59
CPT1 (χ²=10.83)
CPT8 (χ
90.19)
SPE_ADC1_T
SPE_P5_C
Z = gain means (H1)
80
60
40
20
0
−20
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

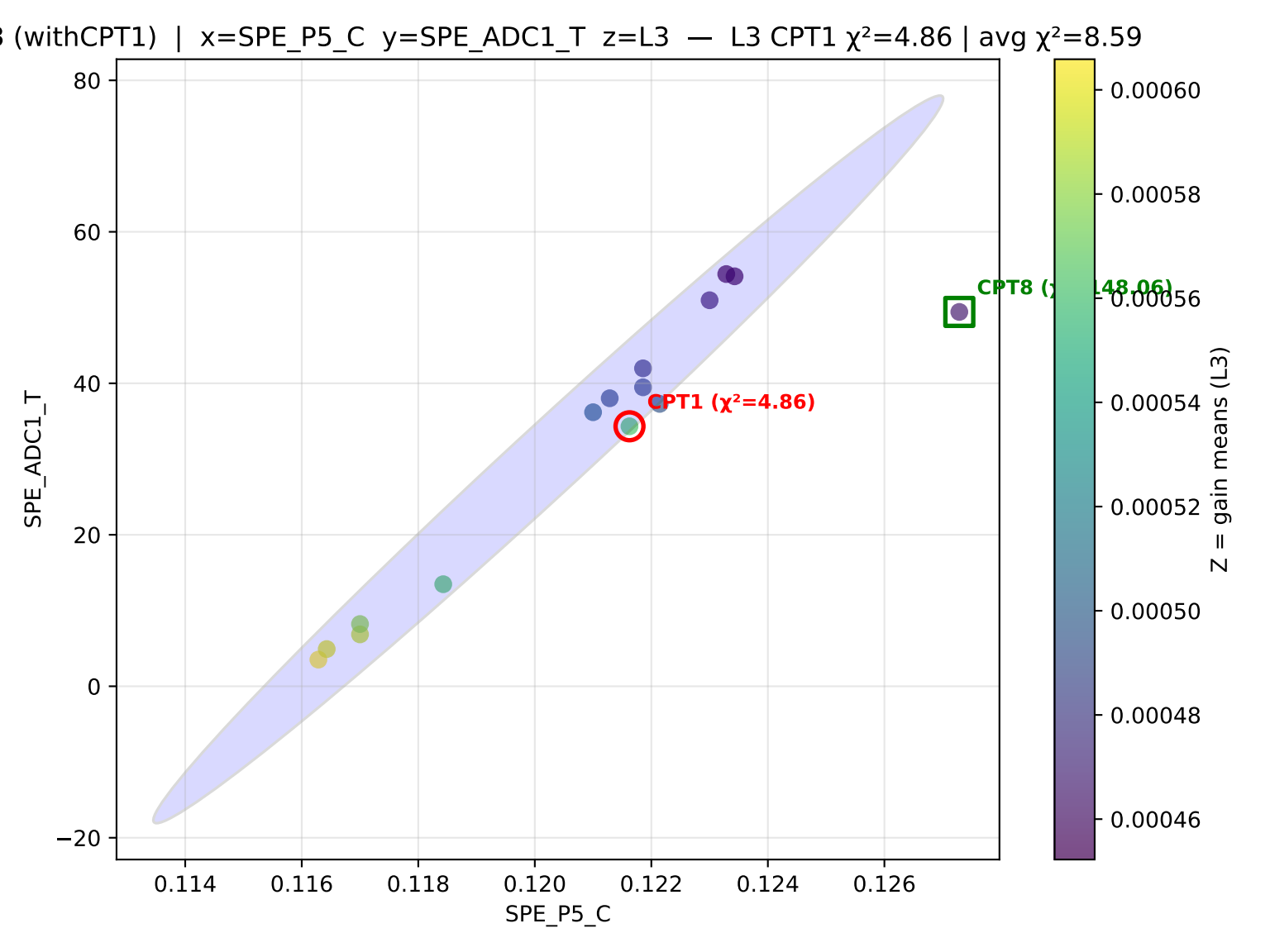

2 (withCPT1) | x=SPE_P5_C y=SPE_ADC1_T z=H2 — H2 CPT1 χ²=16.08 | avg χ²=8.59
CPT1 (χ²=16.08)
CPT8 (χ
530.89)
SPE_ADC1_T
SPE_P5_C
Z = gain means (H2)
80
60
40
20
0
−20
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
0.1300
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10

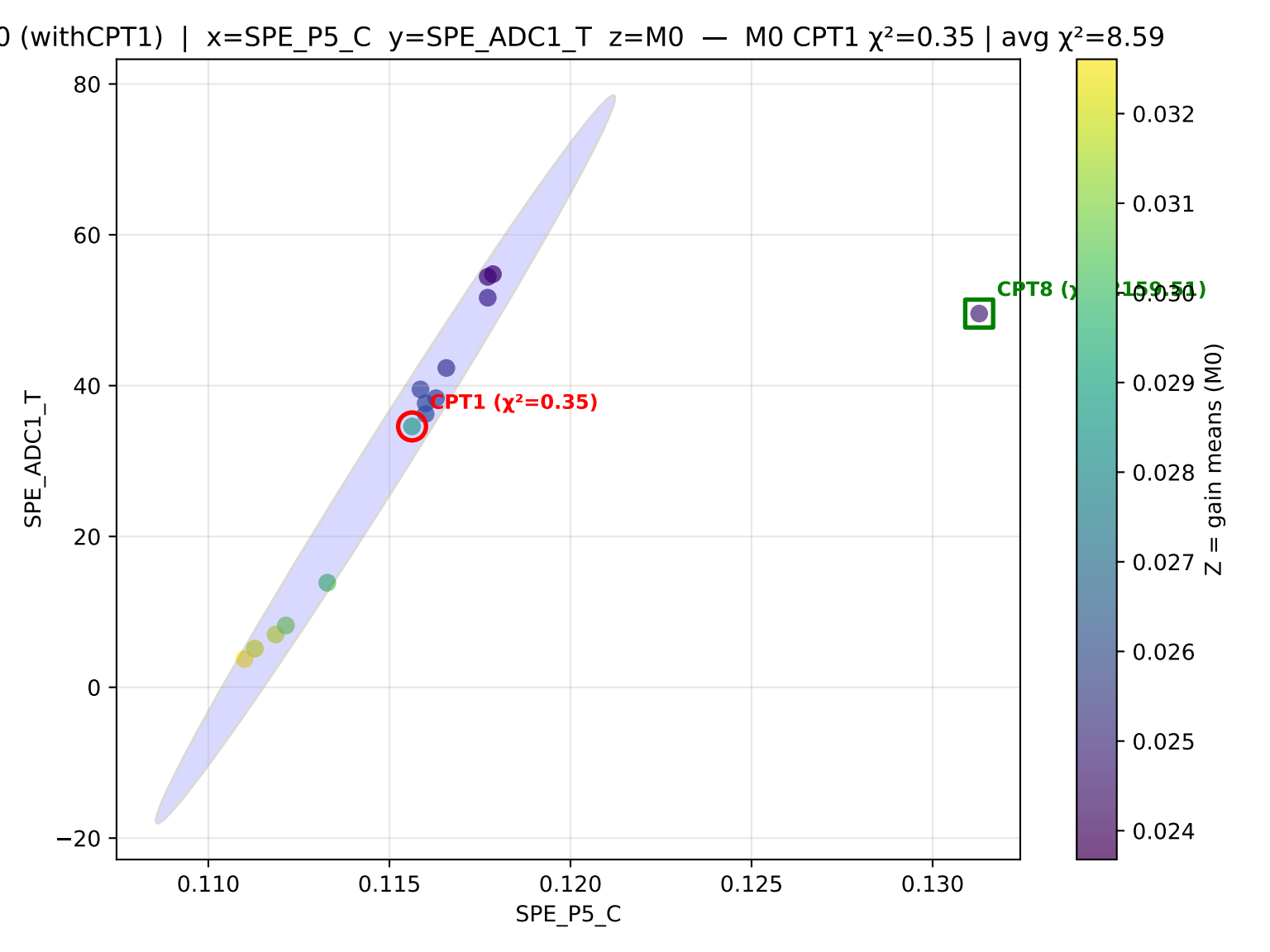

3 (withCPT1) | x=SPE_P5_C y=SPE_ADC1_T z=H3 — H3 CPT1 χ²=13.51 | avg χ²=8.59
CPT1 (χ²=13.51)
CPT8 (χ
25.26)
SPE_ADC1_T
SPE_P5_C
Z = gain means (H3)
80
60
40
20
0
−20
0.110
0.112
0.114
0.116
0.118
0.120
0.122
0.124
1.30
1.25
1.20
1.15
1.10
1.05
1.00

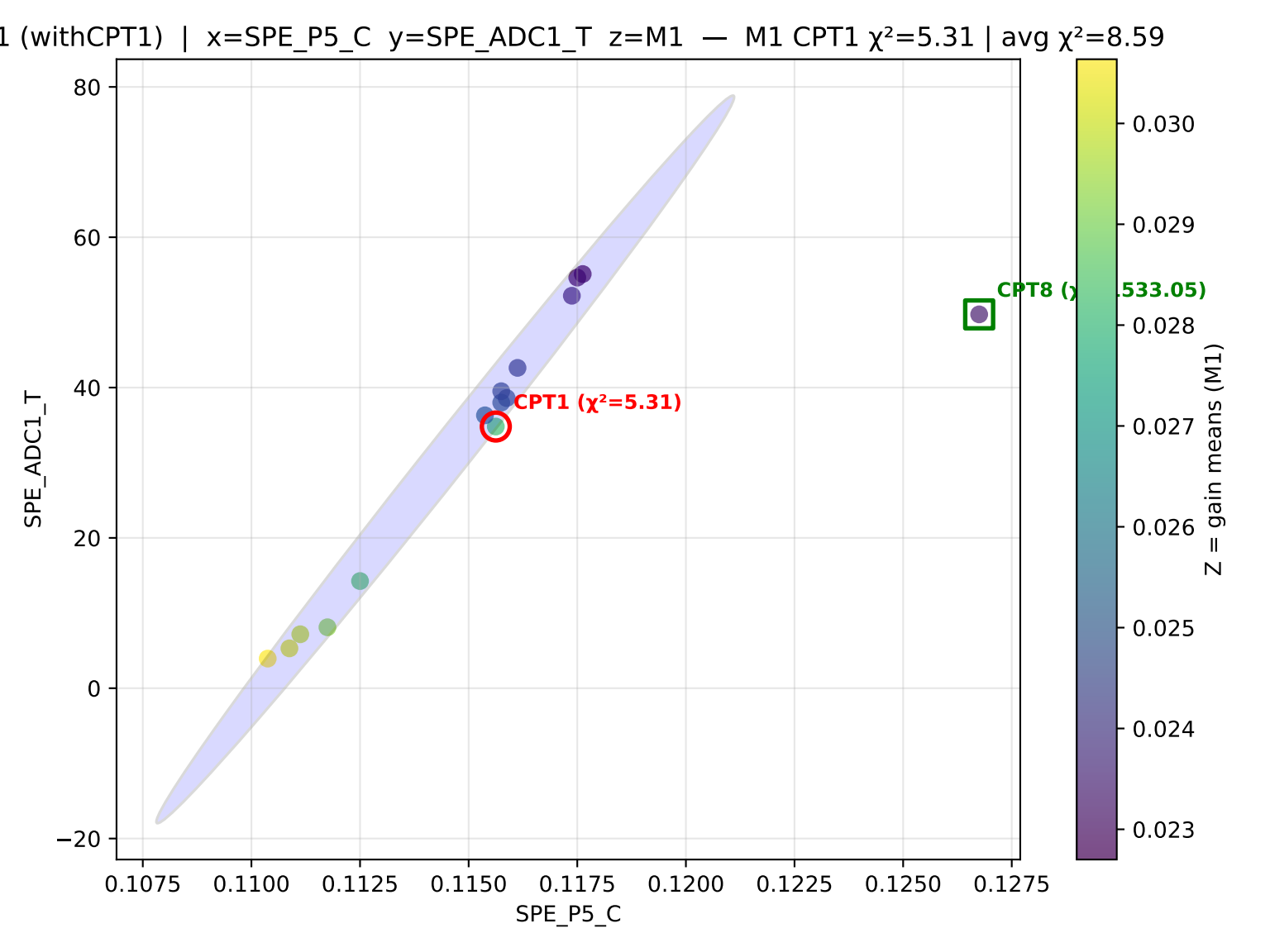

0 (withCPT1) | x=SPE_P5_C y=SPE_ADC1_T z=L0 — L0 CPT1 χ²=5.66 | avg χ²=8.59
CPT8 (χ²=242.40)
CPT1 (χ²=5.66)
SPE_ADC1_T
SPE_P5_C
Z = gain means (L0)
80
60
40
20
0
−20
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.128
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

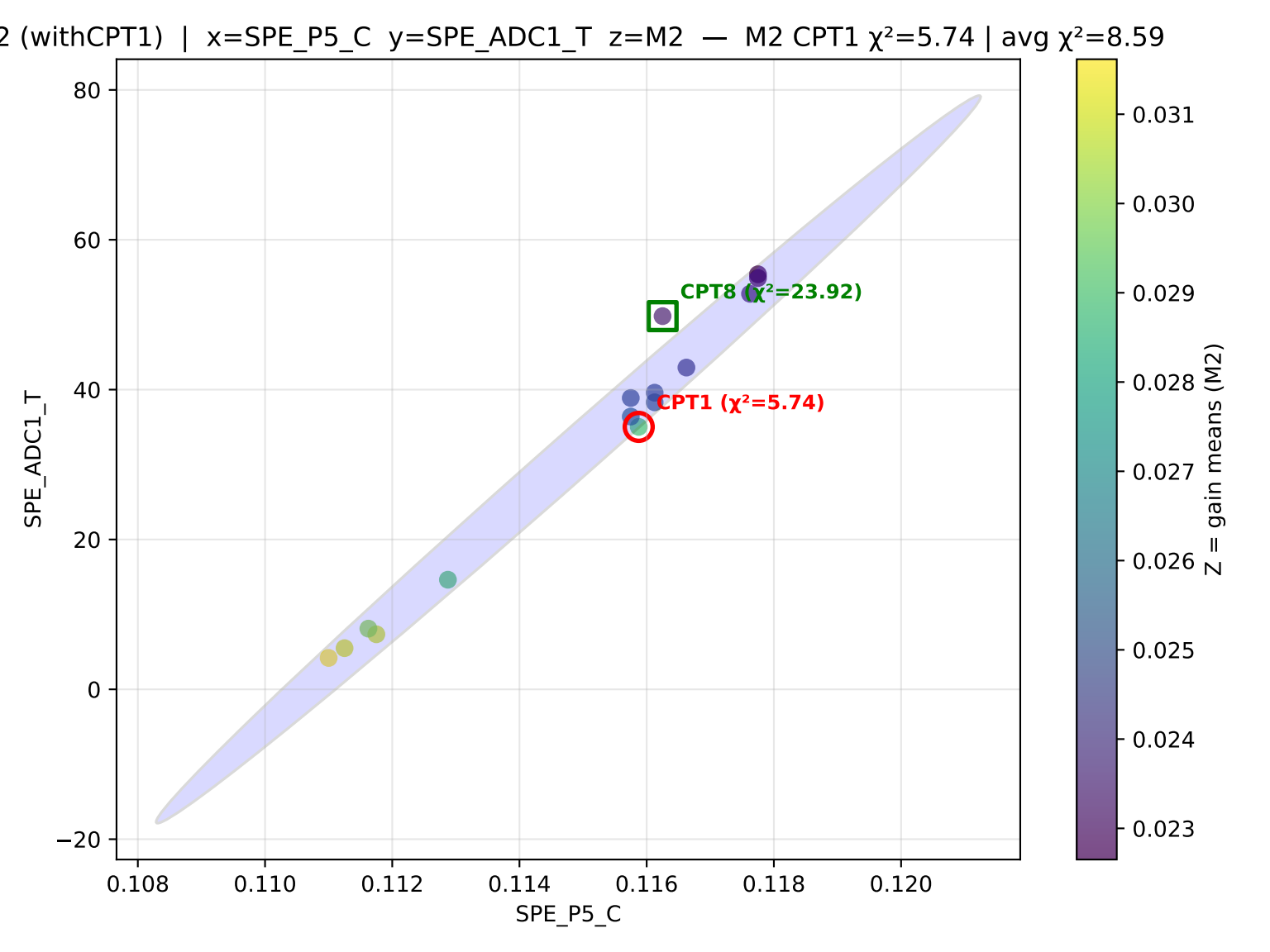

(withCPT1) | x=SPE_P5_C y=SPE_ADC1_T z=L1 — L1 CPT1 χ²=7.18 | avg χ²=8.59
CPT8 (χ²=145.16)
CPT1 (χ²=7.18)
SPE_ADC1_T
SPE_P5_C
Z = gain means (L1)
80
60
40
20
0
−20
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052

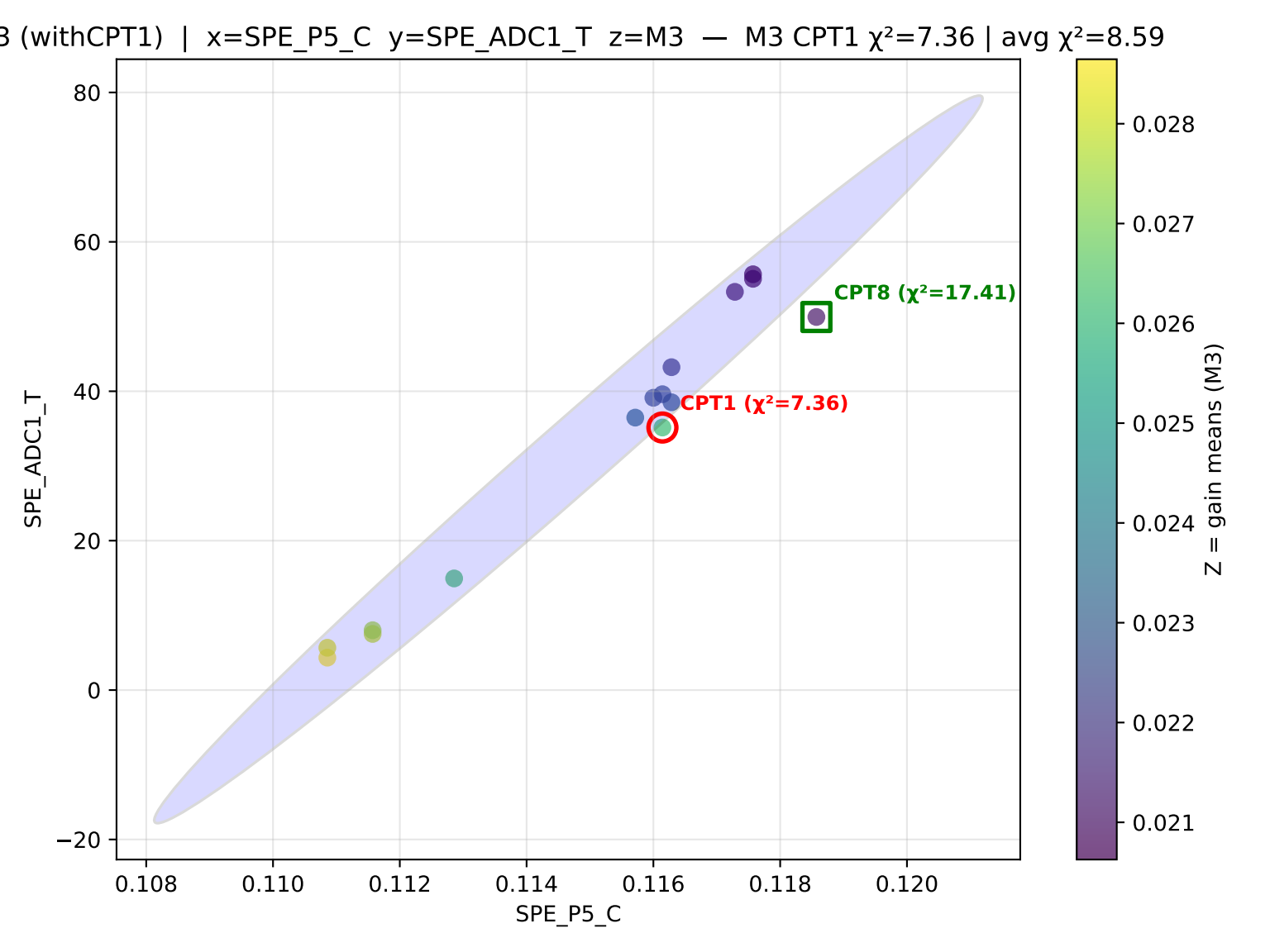

2 (withCPT1) | x=SPE_P5_C y=SPE_ADC1_T z=L2 — L2 CPT1 χ²=9.87 | avg χ²=8.59
CPT8 (χ²=1.25)
CPT1 (χ²=9.87)
SPE_ADC1_T
SPE_P5_C
Z = gain means (L2)
80
60
40
20
0
−20
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


3 (withCPT1) | x=SPE_P5_C y=SPE_ADC1_T z=L3 — L3 CPT1 χ²=4.86 | avg χ²=8.59
CPT1 (χ²=4.86)
CPT8 (χ
48.06)
SPE_ADC1_T
SPE_P5_C
Z = gain means (L3)
80
60
40
20
0
−20
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


0 (withCPT1) | x=SPE_P5_C y=SPE_ADC1_T z=M0 — M0 CPT1 χ²=0.35 | avg χ²=8.59
CPT1 (χ²=0.35)
CPT8 (χ
SPE_ADC1_T
SPE_P5_C
Z = gain means (M0)
80
60
40
20
0
−20
0.110
0.115
0.120
0.125
0.130
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

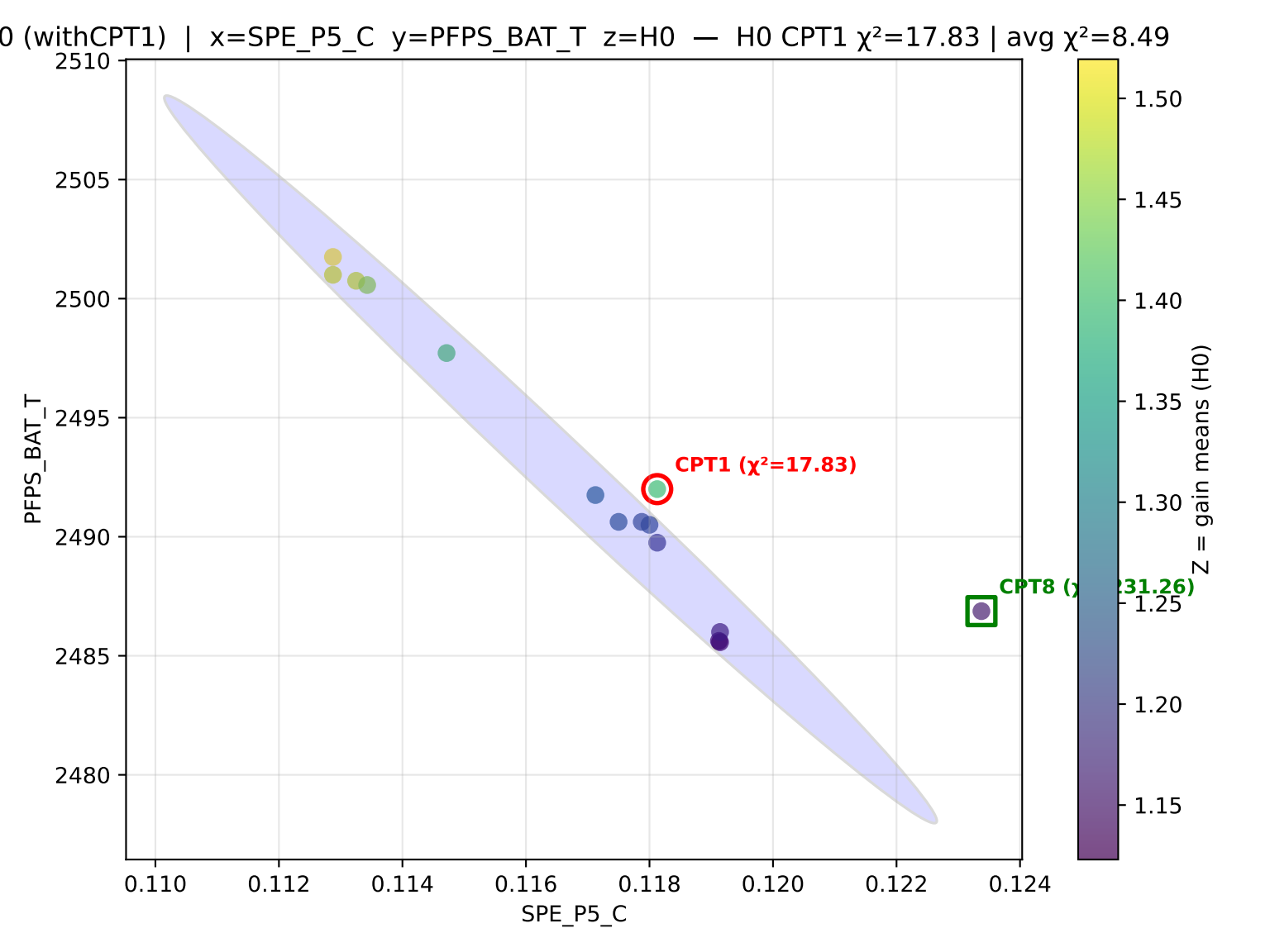

1 (withCPT1) | x=SPE_P5_C y=SPE_ADC1_T z=M1 — M1 CPT1 χ²=5.31 | avg χ²=8.59
CPT1 (χ²=5.31)
CPT8 (χ
533.05)
SPE_ADC1_T
SPE_P5_C
Z = gain means (M1)
80
60
40
20
0
−20
0.1075
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

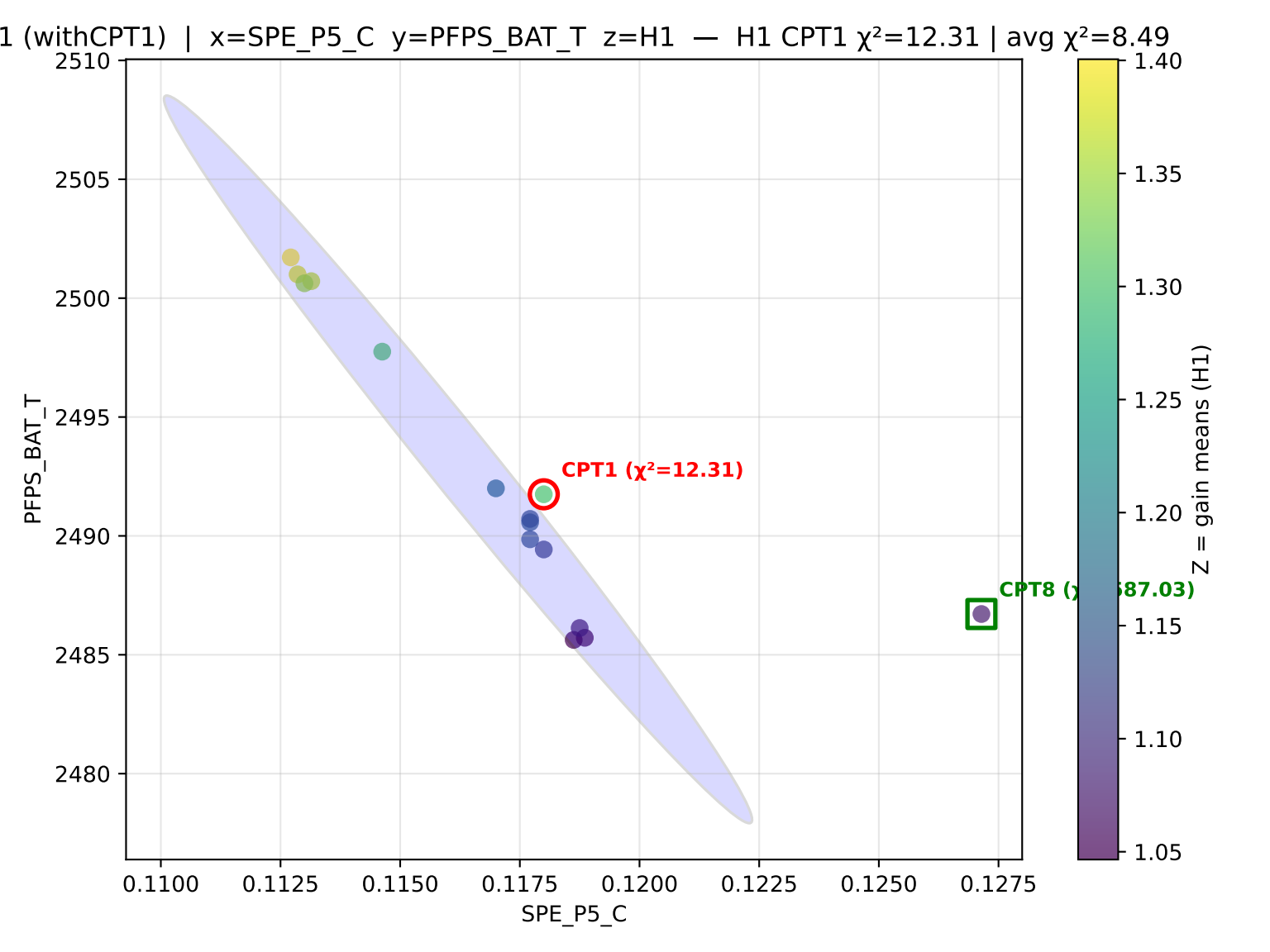

2 (withCPT1) | x=SPE_P5_C y=SPE_ADC1_T z=M2 — M2 CPT1 χ²=5.74 | avg χ²=8.59
CPT8 (χ²=23.92)
CPT1 (χ²=5.74)
SPE_ADC1_T
SPE_P5_C
Z = gain means (M2)
80
60
40
20
0
−20
0.108
0.110
0.112
0.114
0.116
0.118
0.120
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

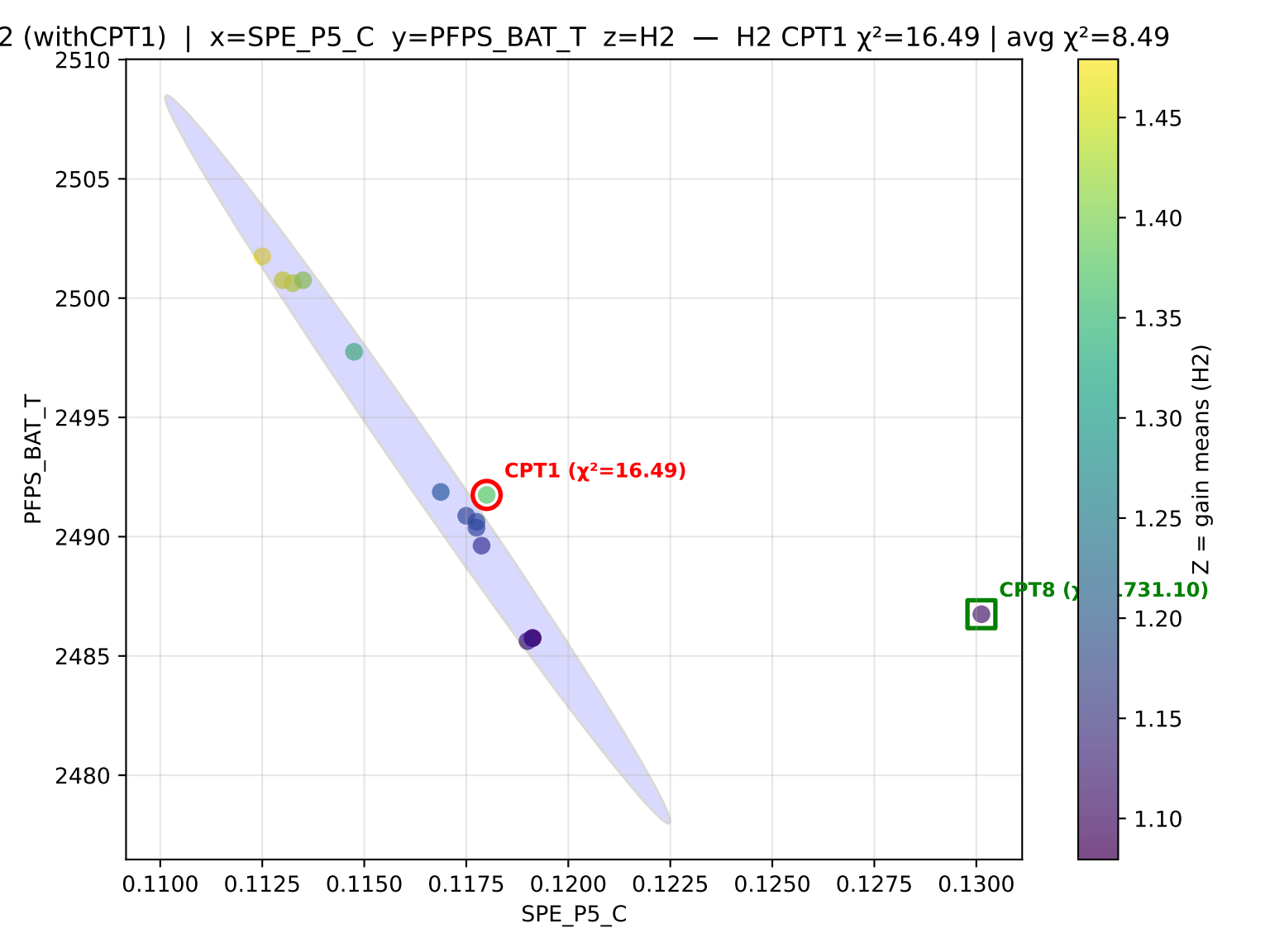

3 (withCPT1) | x=SPE_P5_C y=SPE_ADC1_T z=M3 — M3 CPT1 χ²=7.36 | avg χ²=8.59
CPT8 (χ²=17.41)
CPT1 (χ²=7.36)
SPE_ADC1_T
SPE_P5_C
Z = gain means (M3)
80
60
40
20
0
−20
0.108
0.110
0.112
0.114
0.116
0.118
0.120
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

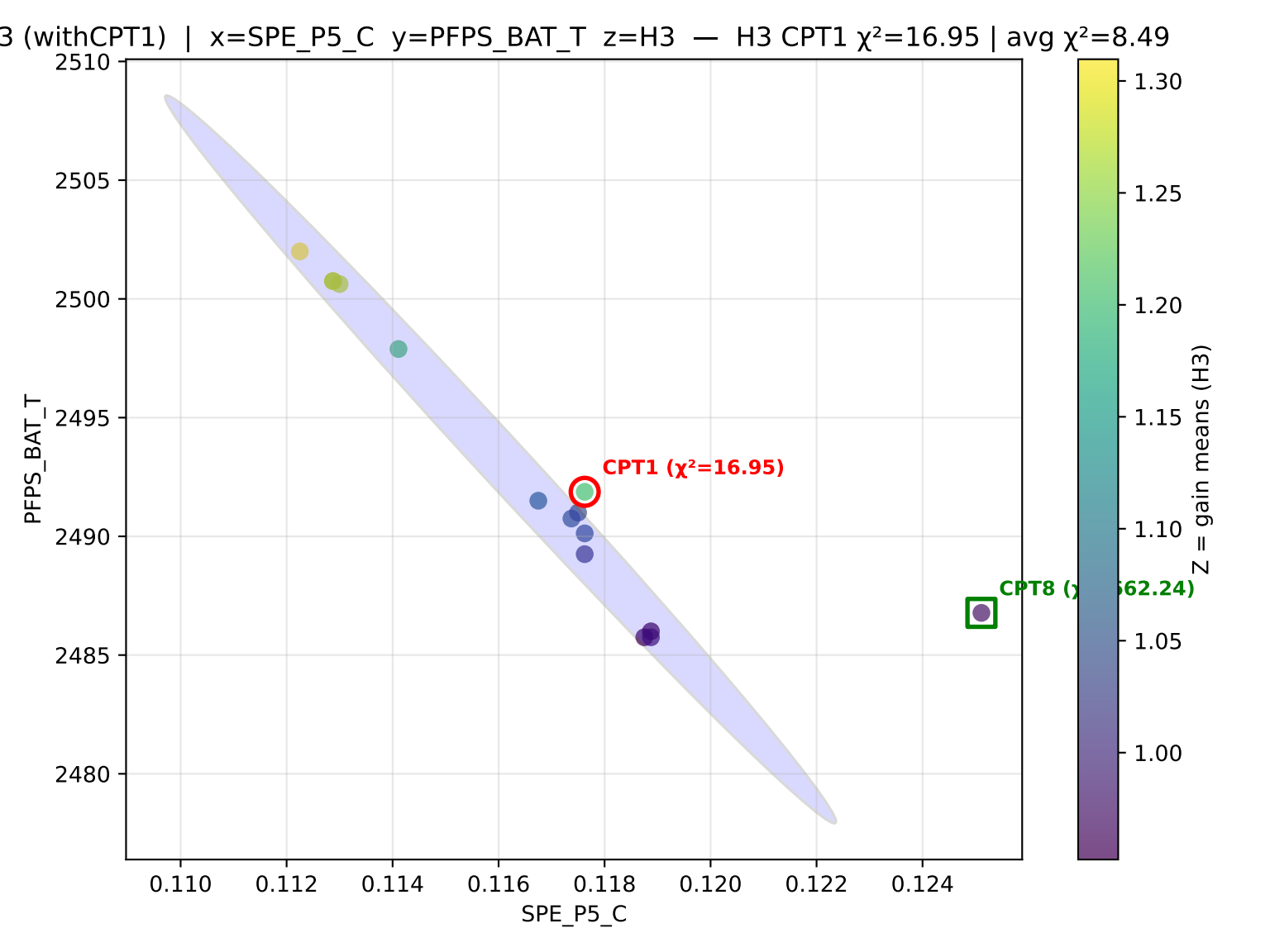
Pair: SPE_P5_C vs PFPS_BAT_T

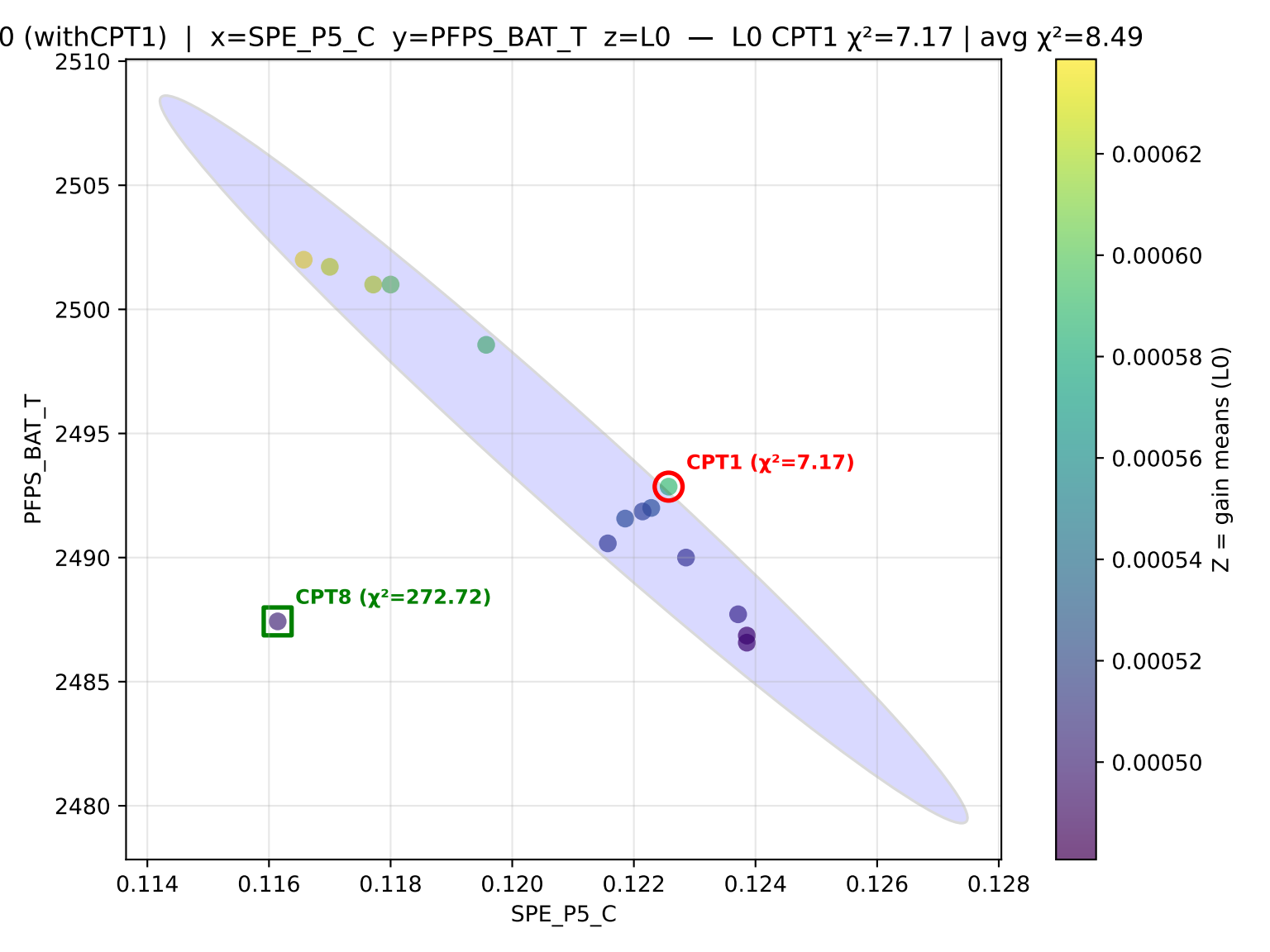
Average χ^2(CPT1) across settings: 8.49

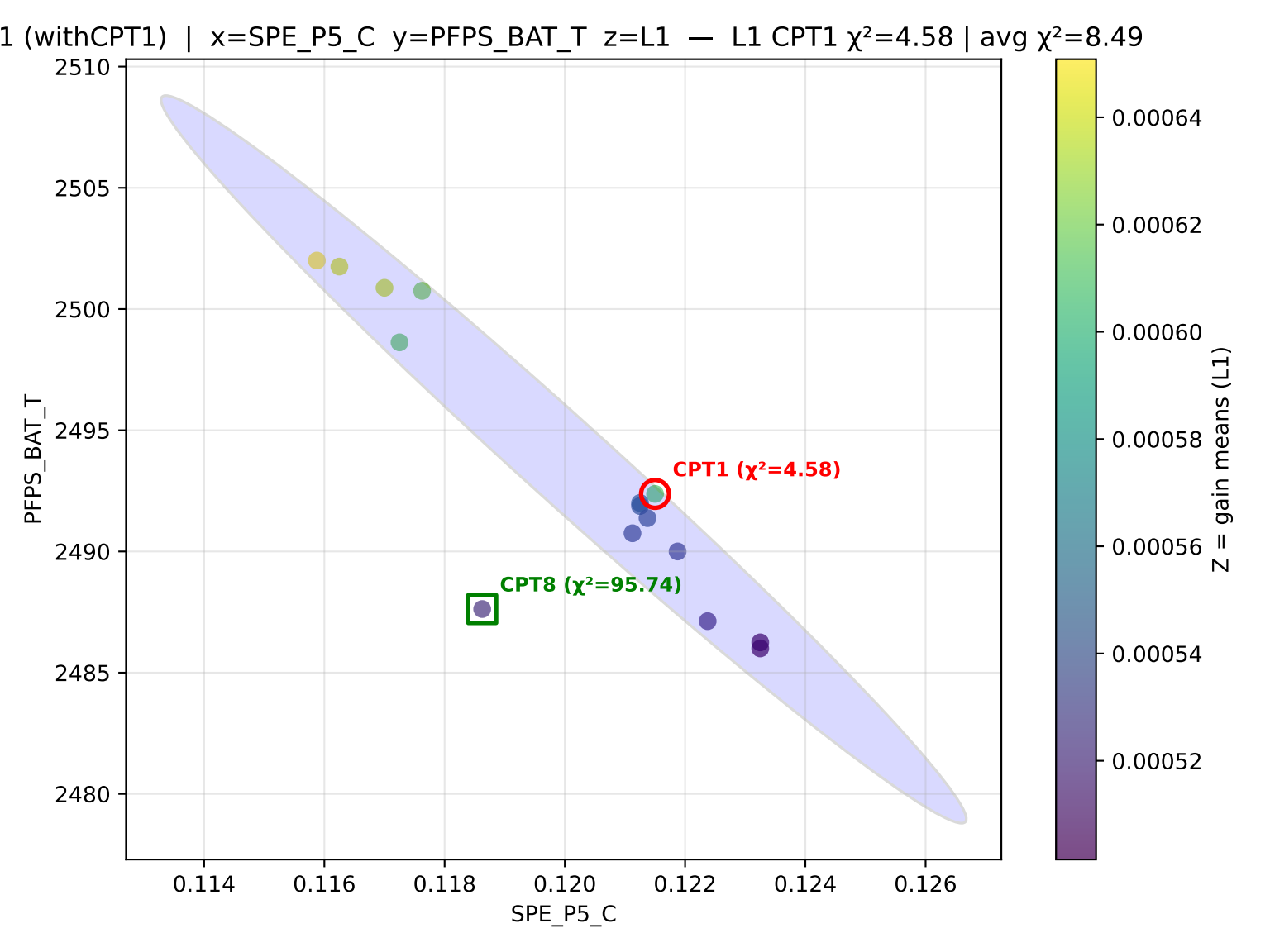

0 (withCPT1) | x=SPE_P5_C y=PFPS_BAT_T z=H0 — H0 CPT1 χ²=17.83 | avg χ²=8.49
2510
2505
2500
2495
2490
2485
2480
PFPS_BAT_T
CPT1 (χ²=17.83)
CPT8 (χ 231.26)
0.110
0.112
0.114
0.116
0.118
0.120
0.122
0.124
SPE_P5_C
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15
Z = gain means (H0)

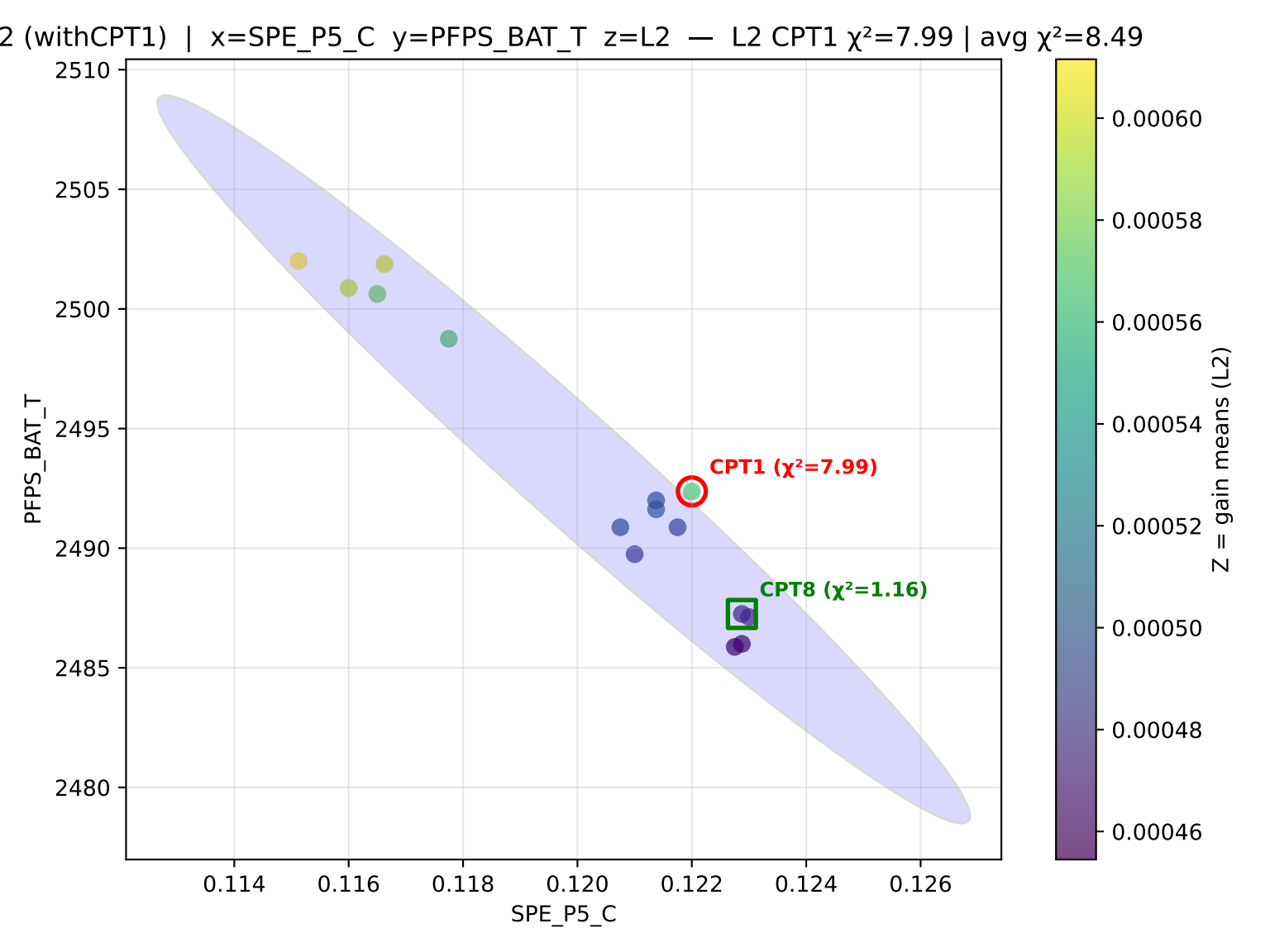

1 (withCPT1) | x=SPE_P5_C y=PFPS_BAT_T z=H1 — H1 CPT1 χ²=12.31 | avg χ²=8.49
2510
2505
2500
2495
2490
2485
2480
PFPS_BAT_T
CPT1 (χ²=12.31)
CPT8 (χ
87.03)
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
SPE_P5_C
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05
Z = gain means (H1)

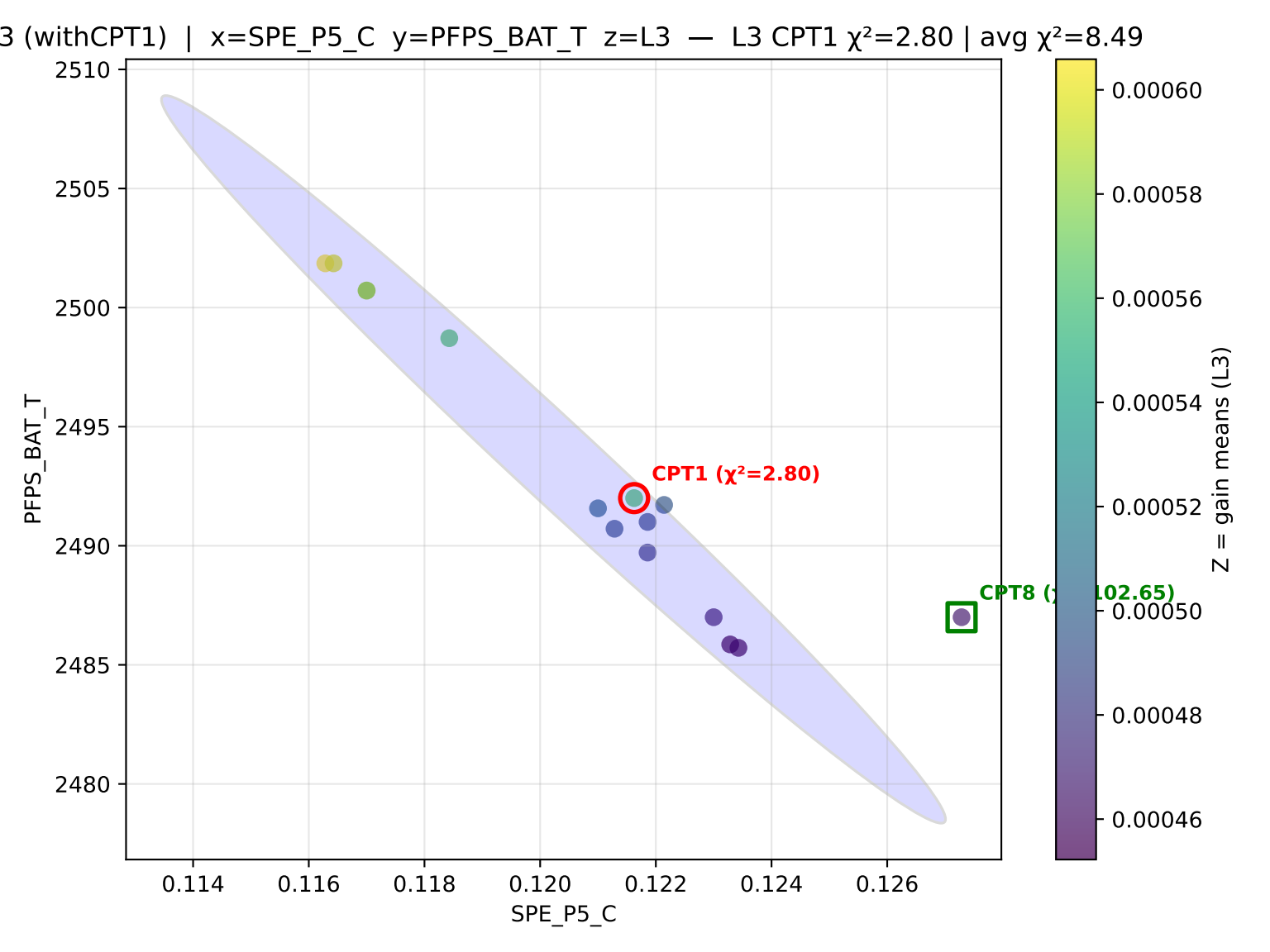

2 (withCPT1) | x=SPE_P5_C y=PFPS_BAT_T z=H2 — H2 CPT1 χ²=16.49 | avg χ²=8.49
2510
2505
2500
2495
2490
2485
2480
PFPS_BAT_T
CPT1 (χ²=16.49)
CPT8 (χ .731.10)
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
0.1300
SPE_P5_C
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10
Z = gain means (H2)

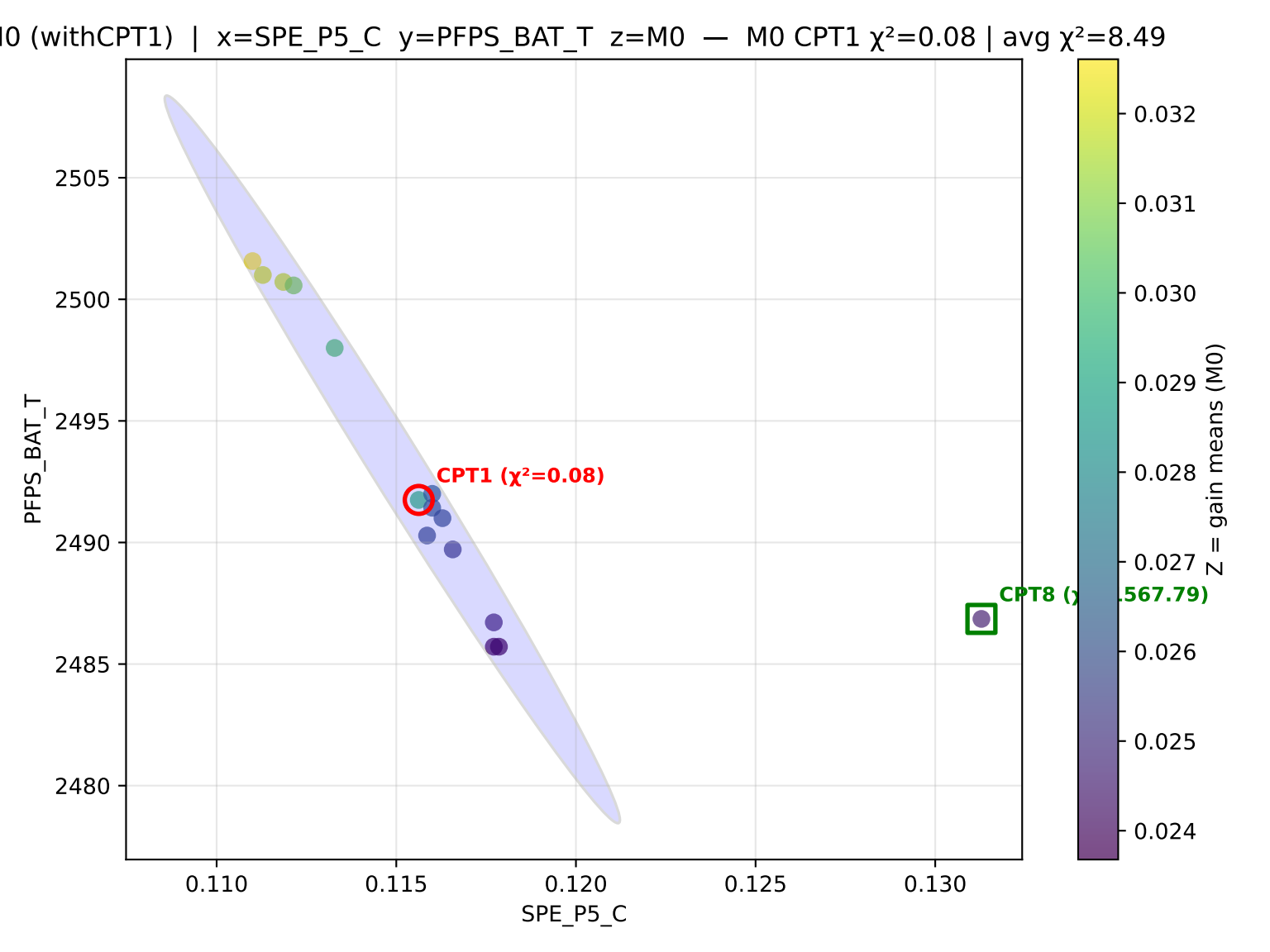

3 (withCPT1) | x=SPE_P5_C y=PFPS_BAT_T z=H3 — H3 CPT1 χ²=16.95 | avg χ²=8.49
CPT1 (χ²=16.95)
CPT8 (χ
62.24)
PFPS_BAT_T
SPE_P5_C
Z = gain means (H3)
2510
2505
2500
2495
2490
2485
2480
0.110
0.112
0.114
0.116
0.118
0.120
0.122
0.124
1.30
1.25
1.20
1.15
1.10
1.05
1.00

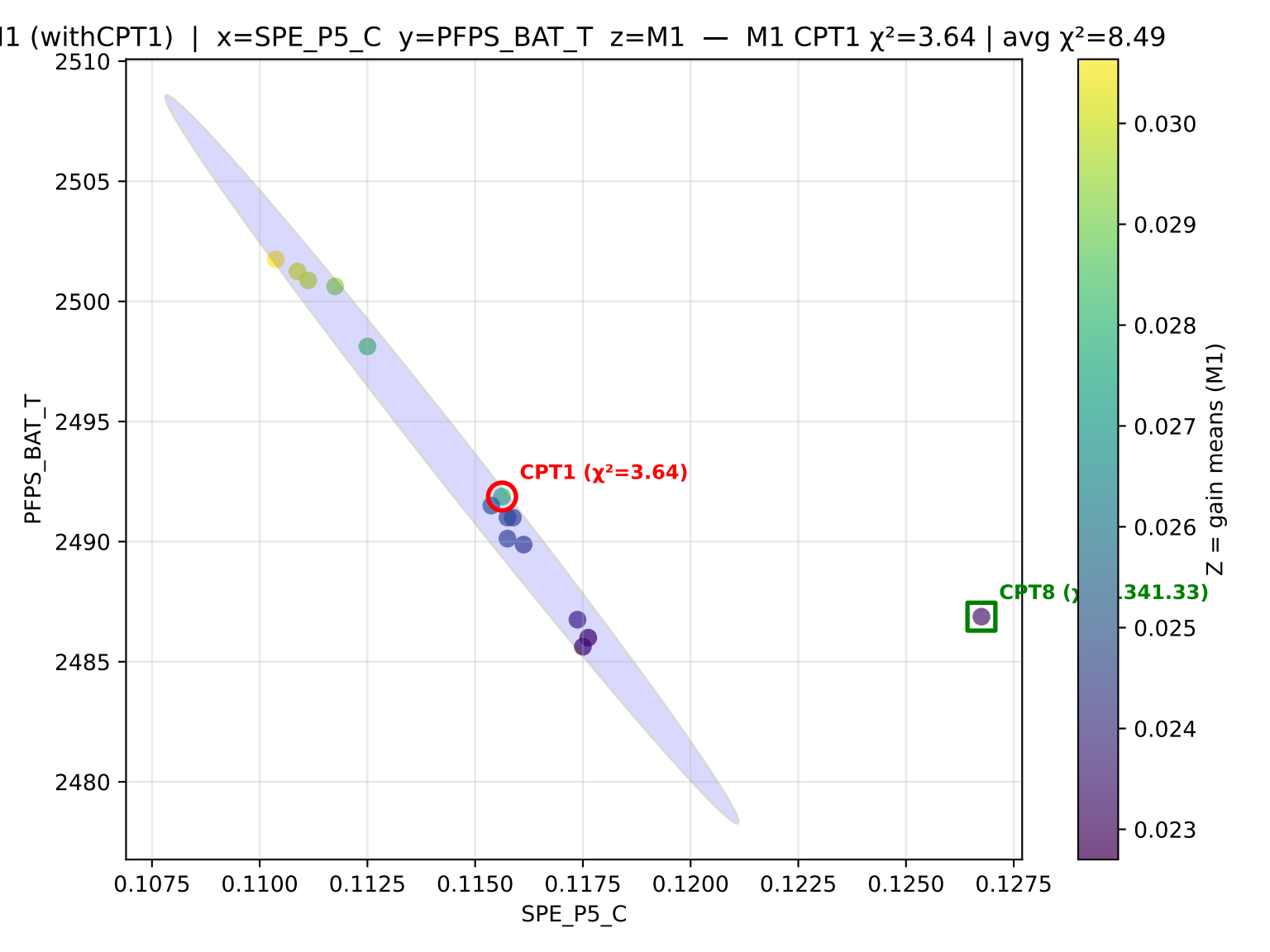

0 (withCPT1) | x=SPE_P5_C y=PFPS_BAT_T z=L0 — L0 CPT1 χ²=7.17 | avg χ²=8.49
CPT1 (χ²=7.17)
CPT8 (χ²=272.72)
PFPS_BAT_T
SPE_P5_C
Z = gain means (L0)
2510
2505
2500
2495
2490
2485
2480
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.128
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

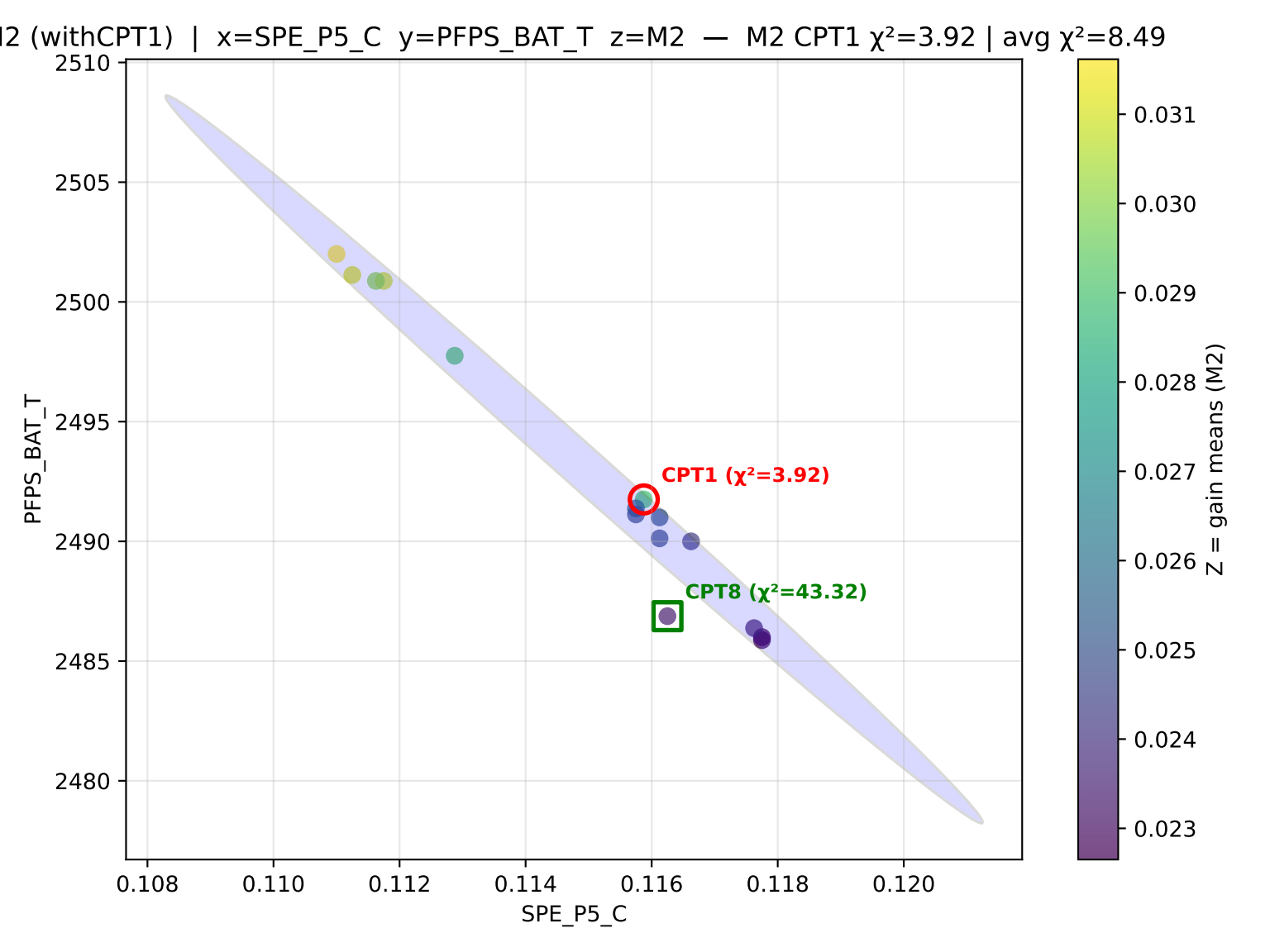

1 (withCPT1) | x=SPE_P5_C y=PFPS_BAT_T z=L1 — L1 CPT1 χ²=4.58 | avg χ²=8.49
CPT1 (χ²=4.58)
CPT8 (χ²=95.74)
PFPS_BAT_T
SPE_P5_C
Z = gain means (L1)
2510
2505
2500
2495
2490
2485
2480
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052

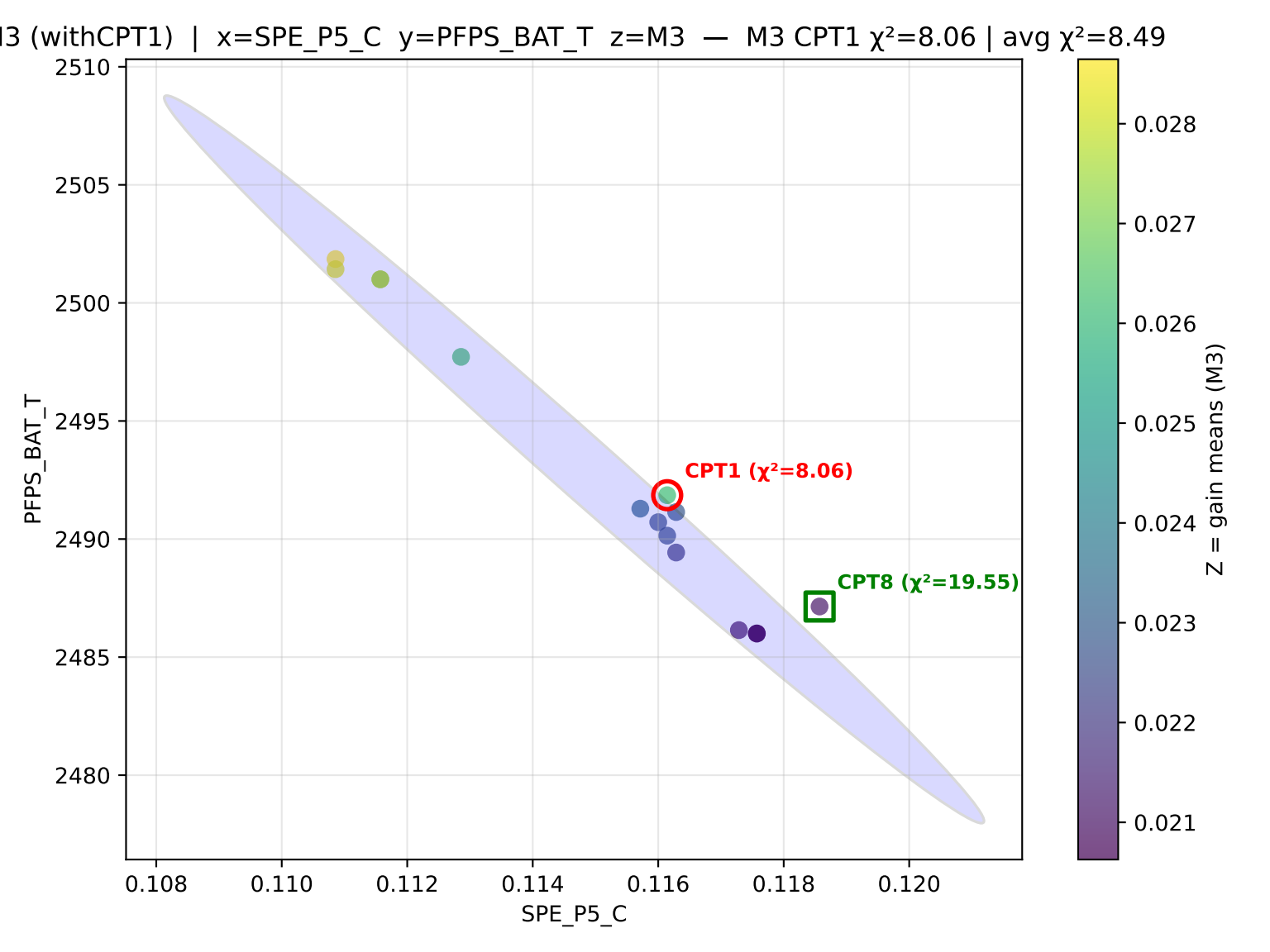

2 (withCPT1) | x=SPE_P5_C y=PFPS_BAT_T z=L2 — L2 CPT1 χ²=7.99 | avg χ²=8.49
CPT1 (χ²=7.99)
CPT8 (χ²=1.16)
PFPS_BAT_T
SPE_P5_C
Z = gain means (L2)
2510
2505
2500
2495
2490
2485
2480
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


3 (withCPT1) | x=SPE_P5_C y=PFPS_BAT_T z=L3 — L3 CPT1 χ²=2.80 | avg χ²=8.49
CPT1 (χ²=2.80)
CPT8 (χ² 102.65)
PFPS_BAT_T
SPE_P5_C
Z = gain means (L3)
2510
2505
2500
2495
2490
2485
2480
0.114
0.116
0.118
0.120
0.122
0.124
0.126
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


M0 (withCPT1) | x=SPE_P5_C y=PFPS_BAT_T z=M0 — M0 CPT1 χ²=0.08 | avg χ²=8.49
CPT1 (χ²=0.08)
CPT8 (χ
.567.79)
PFPS_BAT_T
SPE_P5_C
Z = gain means (M0)
2505
2500
2495
2490
2485
2480
0.110
0.115
0.120
0.125
0.130
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

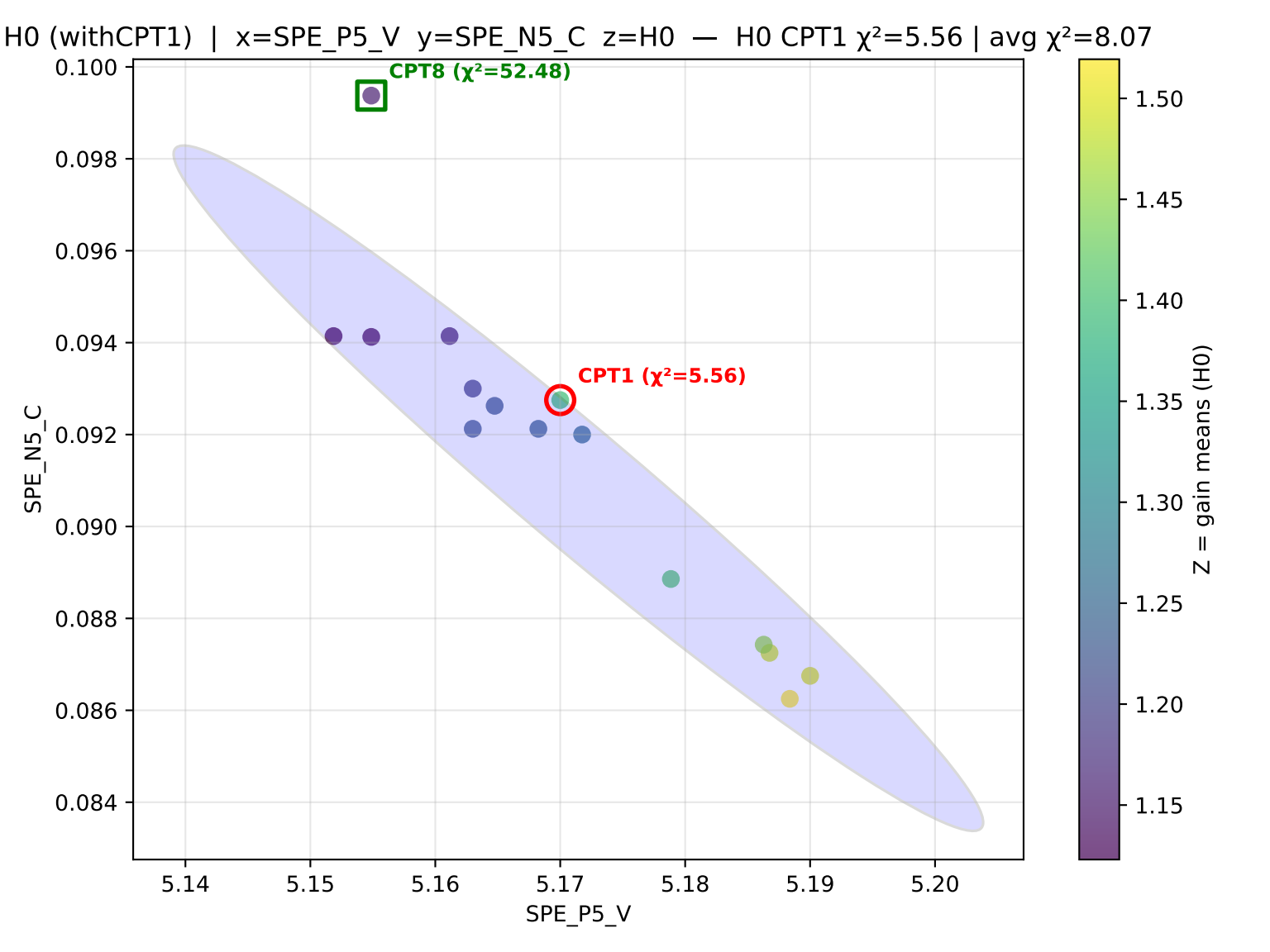

M1 (withCPT1) | x=SPE_P5_C y=PFPS_BAT_T z=M1 — M1 CPT1 χ²=3.64 | avg χ²=8.49
PFPS_BAT_T
SPE_P5_C
Z = gain means (M1)
CPT1 (χ²=3.64)
CPT8 (χ
.341.33)
2510
2505
2500
2495
2490
2485
2480
0.1075
0.1100
0.1125
0.1150
0.1175
0.1200
0.1225
0.1250
0.1275
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

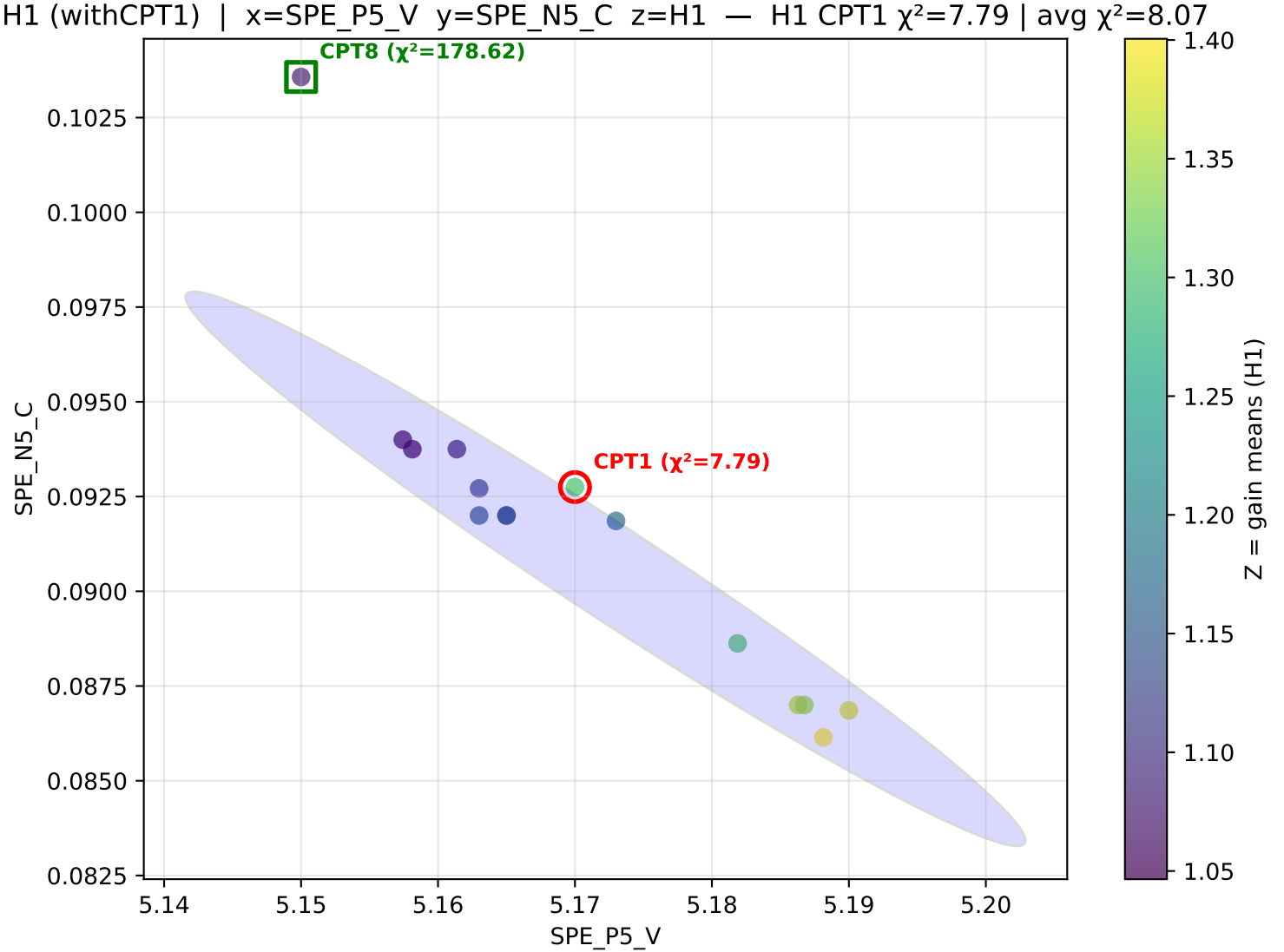

M2 (withCPT1) | x=SPE_P5_C y=PFPS_BAT_T z=M2 — M2 CPT1 χ²=3.92 | avg χ²=8.49
CPT1 (χ²=3.92)
CPT8 (χ²=43.32)
PFPS_BAT_T
SPE_P5_C
Z = gain means (M2)
2510
2505
2500
2495
2490
2485
2480
0.108
0.110
0.112
0.114
0.116
0.118
0.120
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

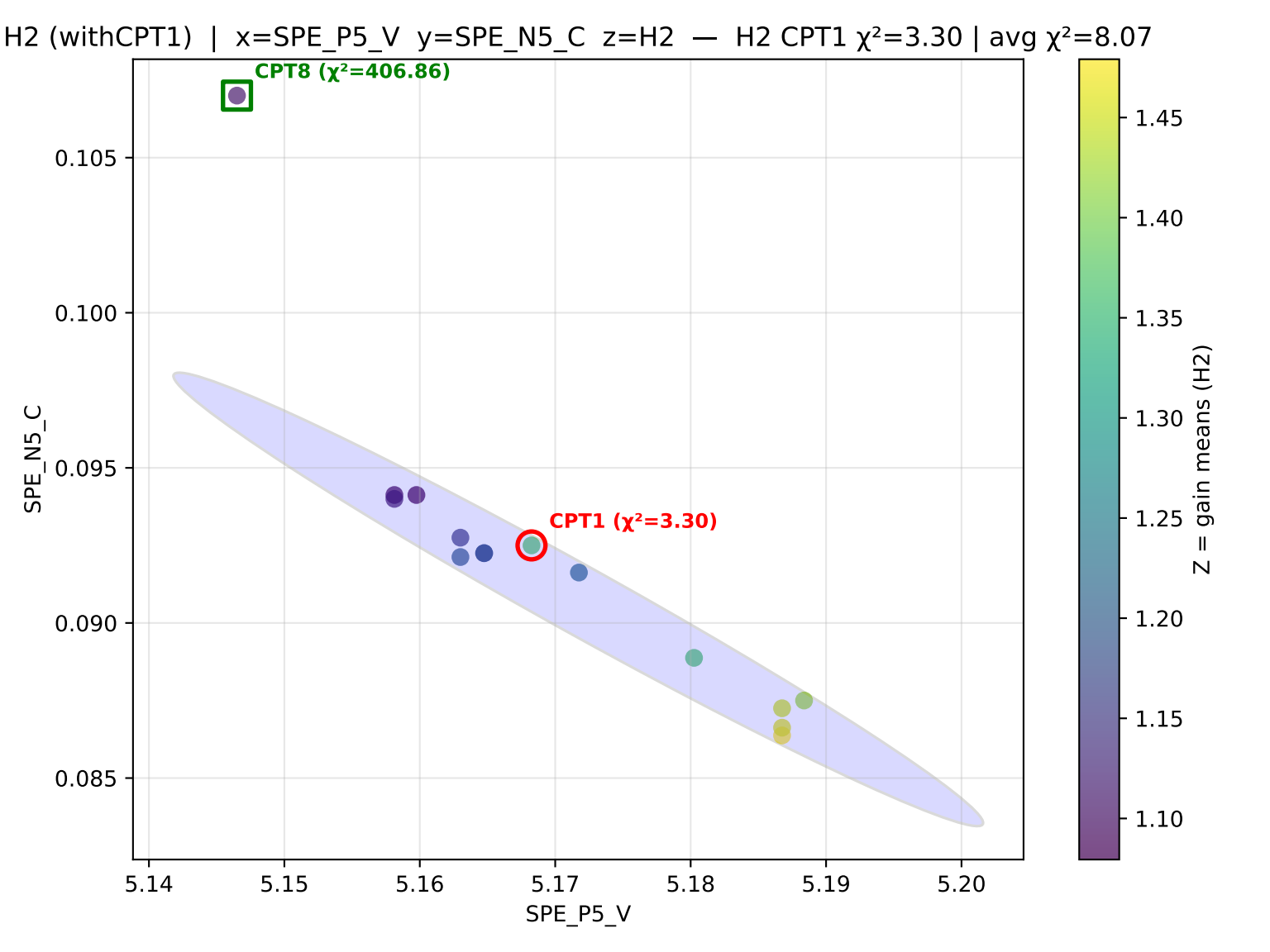

M3 (withCPT1) | x=SPE_P5_C y=PFPS_BAT_T z=M3 — M3 CPT1 χ²=8.06 | avg χ²=8.49
CPT1 (χ²=8.06)
CPT8 (χ²=19.55)
PFPS_BAT_T
SPE_P5_C
Z = gain means (M3)
2510
2505
2500
2495
2490
2485
2480
0.108
0.110
0.112
0.114
0.116
0.118
0.120
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

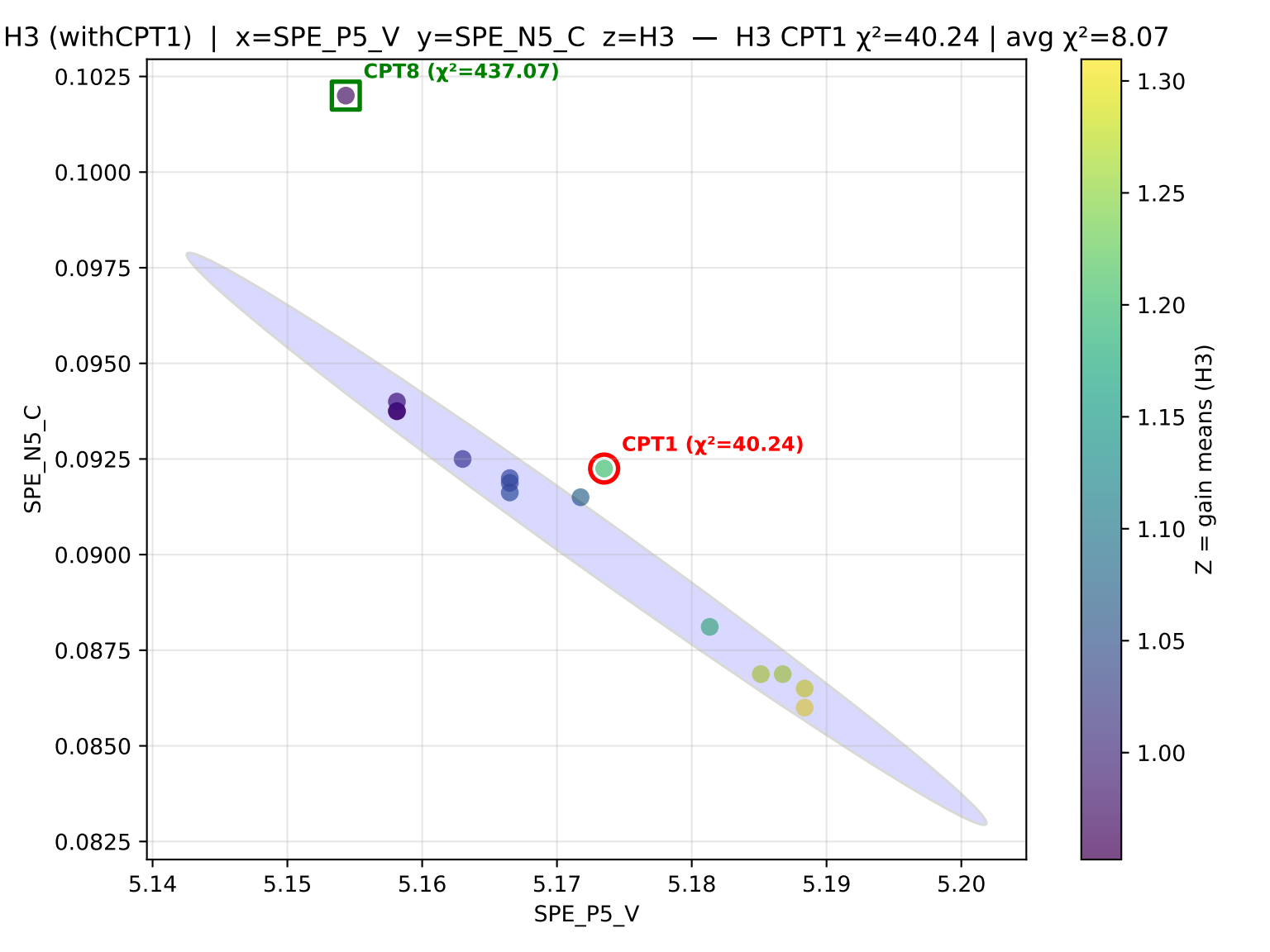
Pair: SPE_P5_V vs SPE_N5_C

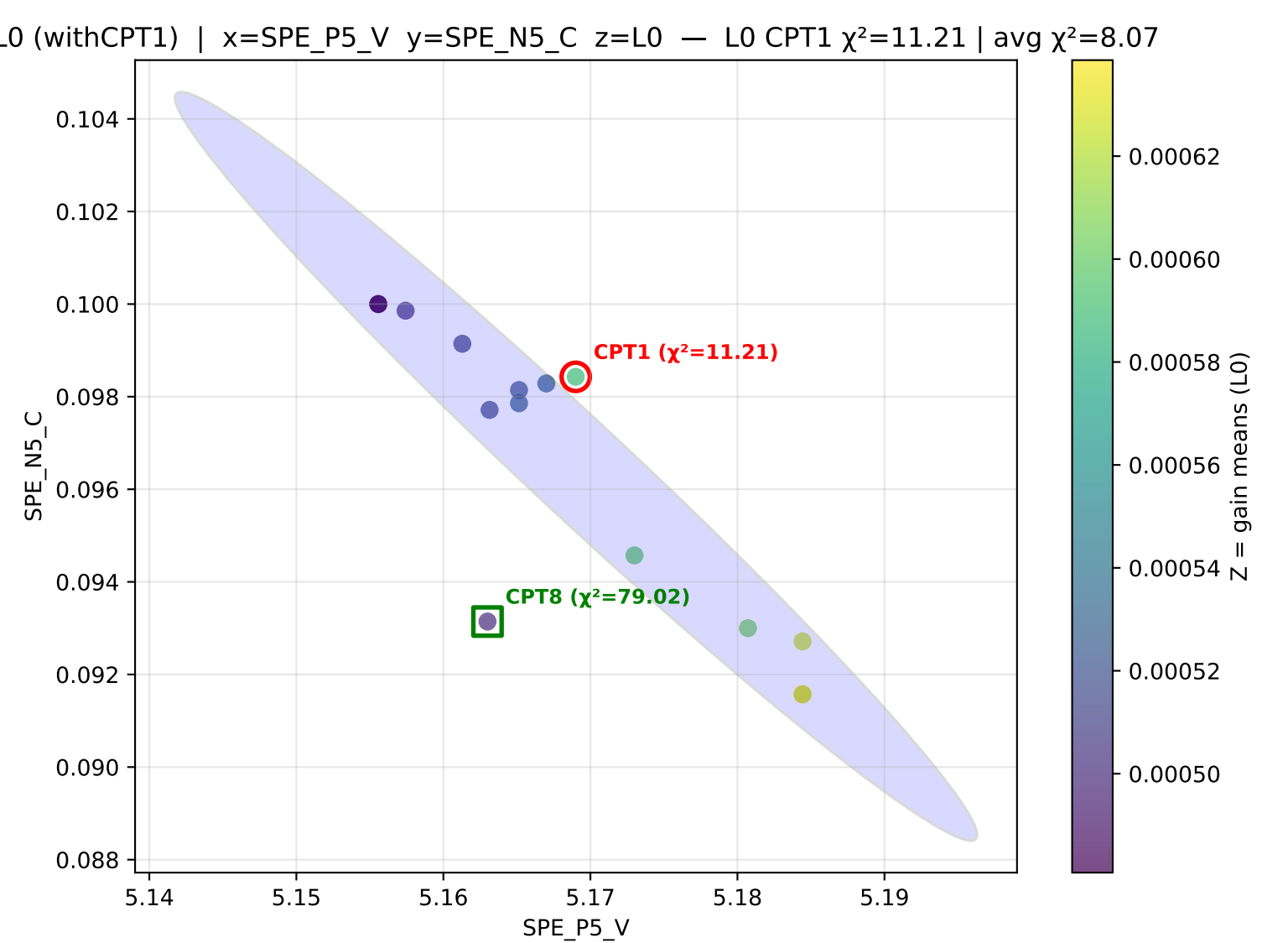
Average χ^2(CPT1) across settings: 8.07

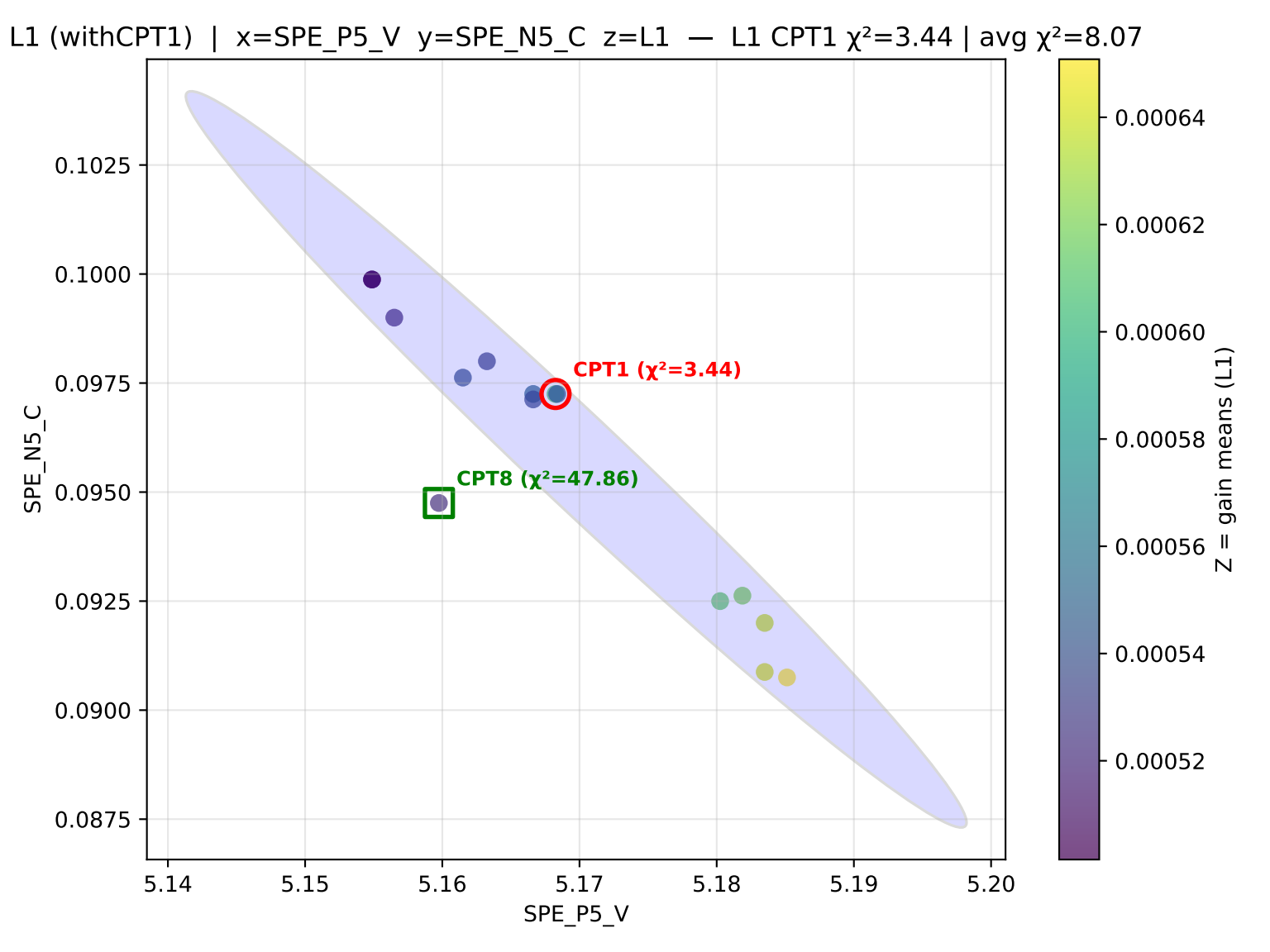

H0 (withCPT1) | x=SPE_P5_V y=SPE_N5_C z=H0 — H0 CPT1 χ²=5.56 | avg χ²=8.07
CPT8 (χ²=52.48)
CPT1 (χ²=5.56)
SPE_N5_C
SPE_P5_V
Z = gain means (H0)
0.100
0.098
0.096
0.094
0.092
0.090
0.088
0.086
0.084
5.14
5.15
5.16
5.17
5.18
5.19
5.20
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

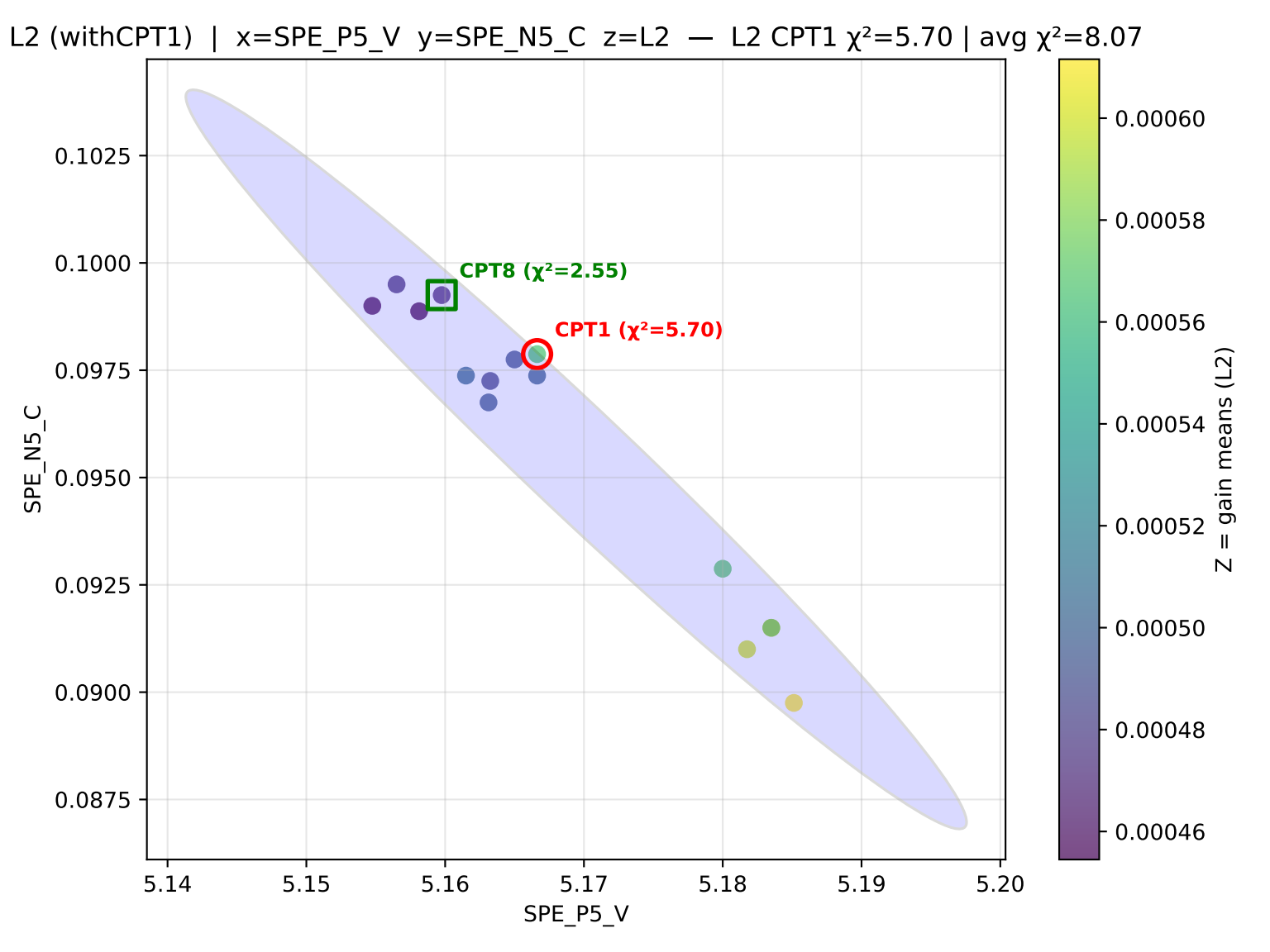

H1 (withCPT1) | x=SPE_P5_V y=SPE_N5_C z=H1 — H1 CPT1 χ²=7.79 | avg χ²=8.07
CPT8 (χ²=178.62)
CPT1 (χ²=7.79)
SPE_N5_C
SPE_P5_V
Z = gain means (H1)
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
0.0850
0.0825
5.14
5.15
5.16
5.17
5.18
5.19
5.20
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

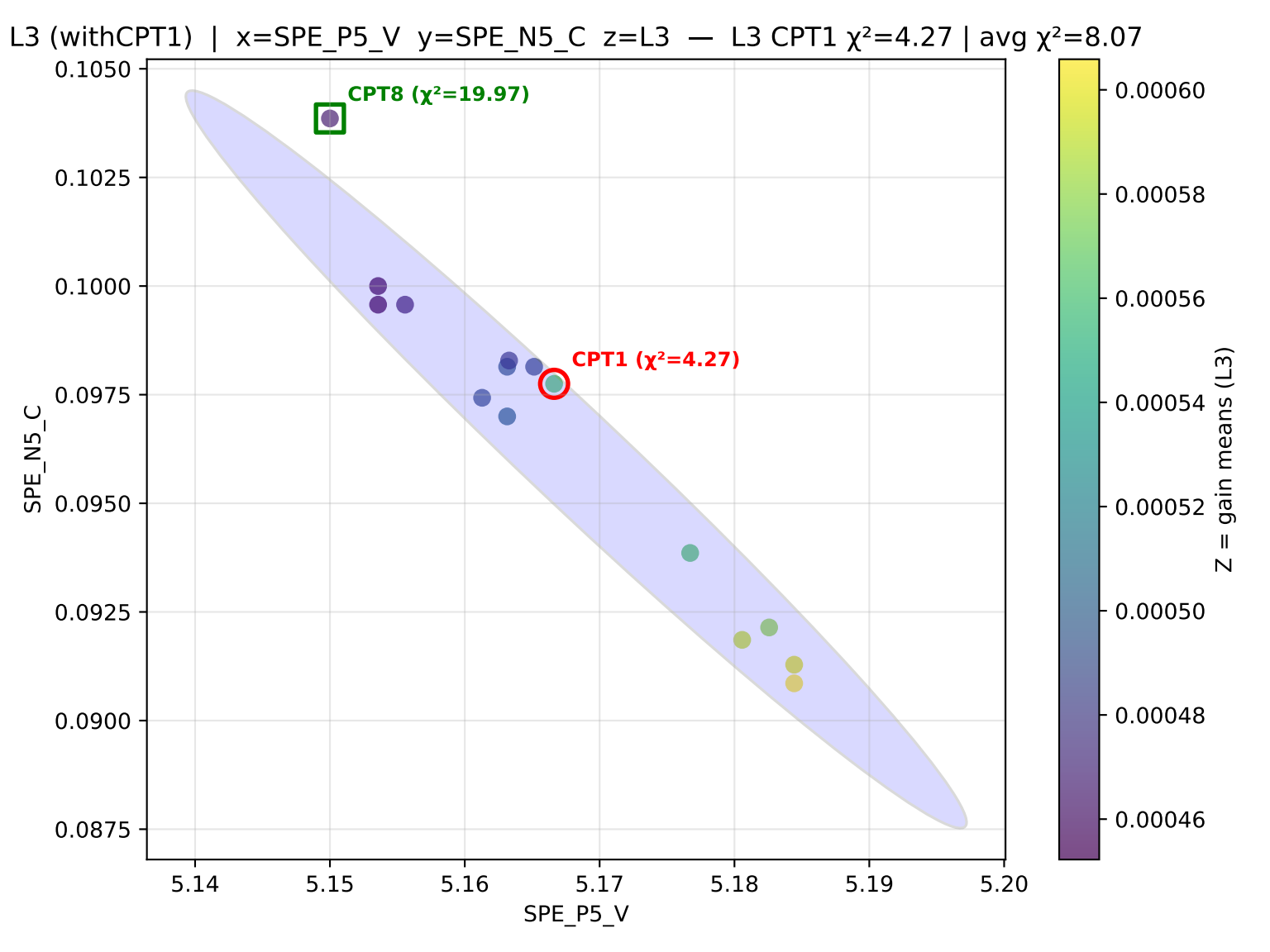

H2 (withCPT1) | x=SPE_P5_V y=SPE_N5_C z=H2 — H2 CPT1 χ²=3.30 | avg χ²=8.07
CPT8 (χ²=406.86)
CPT1 (χ²=3.30)
SPE_N5_C
SPE_P5_V
Z = gain means (H2)
0.105
0.100
0.095
0.090
0.085
5.14
5.15
5.16
5.17
5.18
5.19
5.20
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10

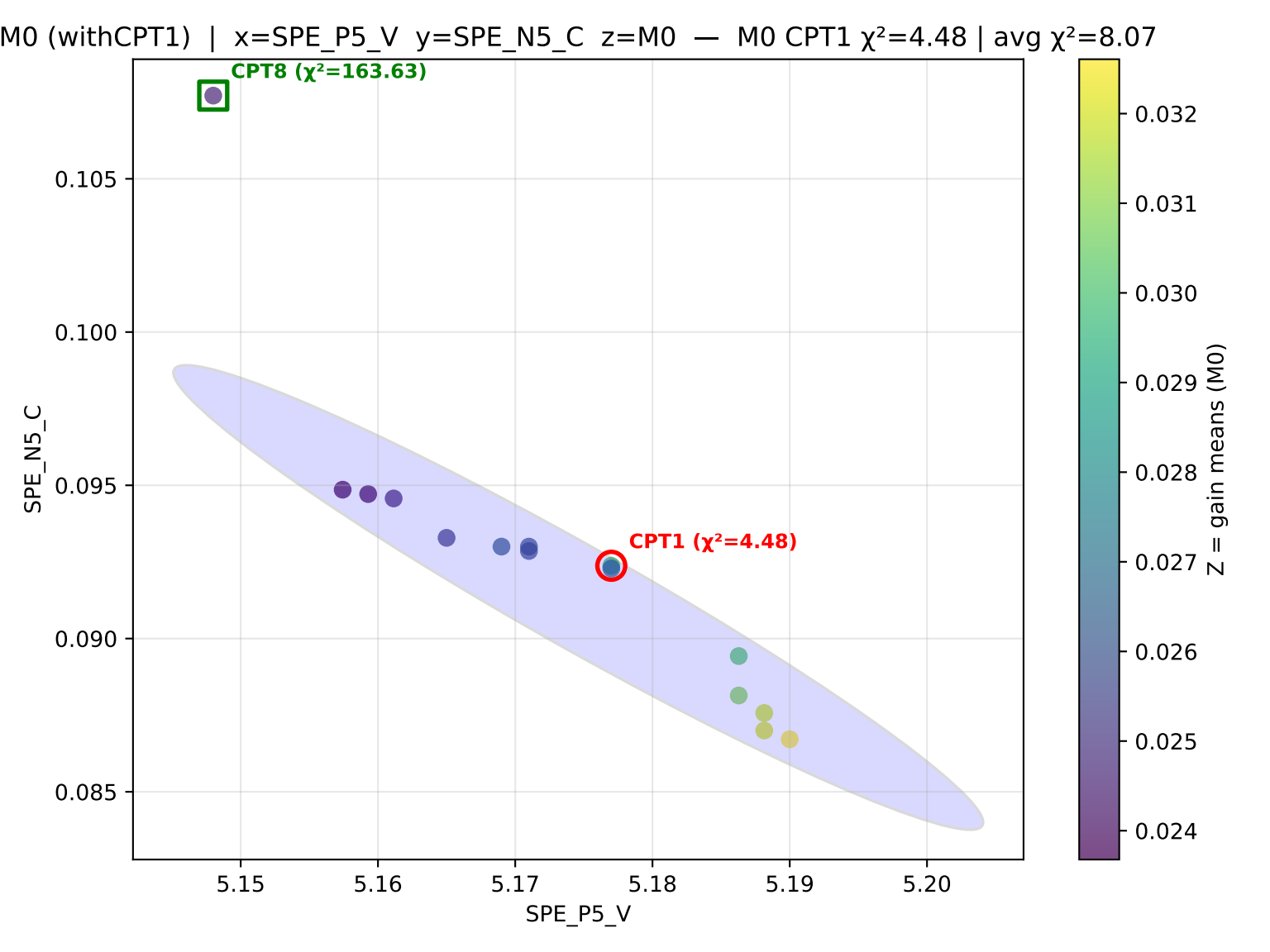

H3 (withCPT1) | x=SPE_P5_V y=SPE_N5_C z=H3 — H3 CPT1 χ²=40.24 | avg χ²=8.07
CPT8 (χ²=437.07)
CPT1 (χ²=40.24)
SPE_N5_C
SPE_P5_V
Z = gain means (H3)
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
0.0850
0.0825
5.14
5.15
5.16
5.17
5.18
5.19
5.20
1.30
1.25
1.20
1.15
1.10
1.05
1.00

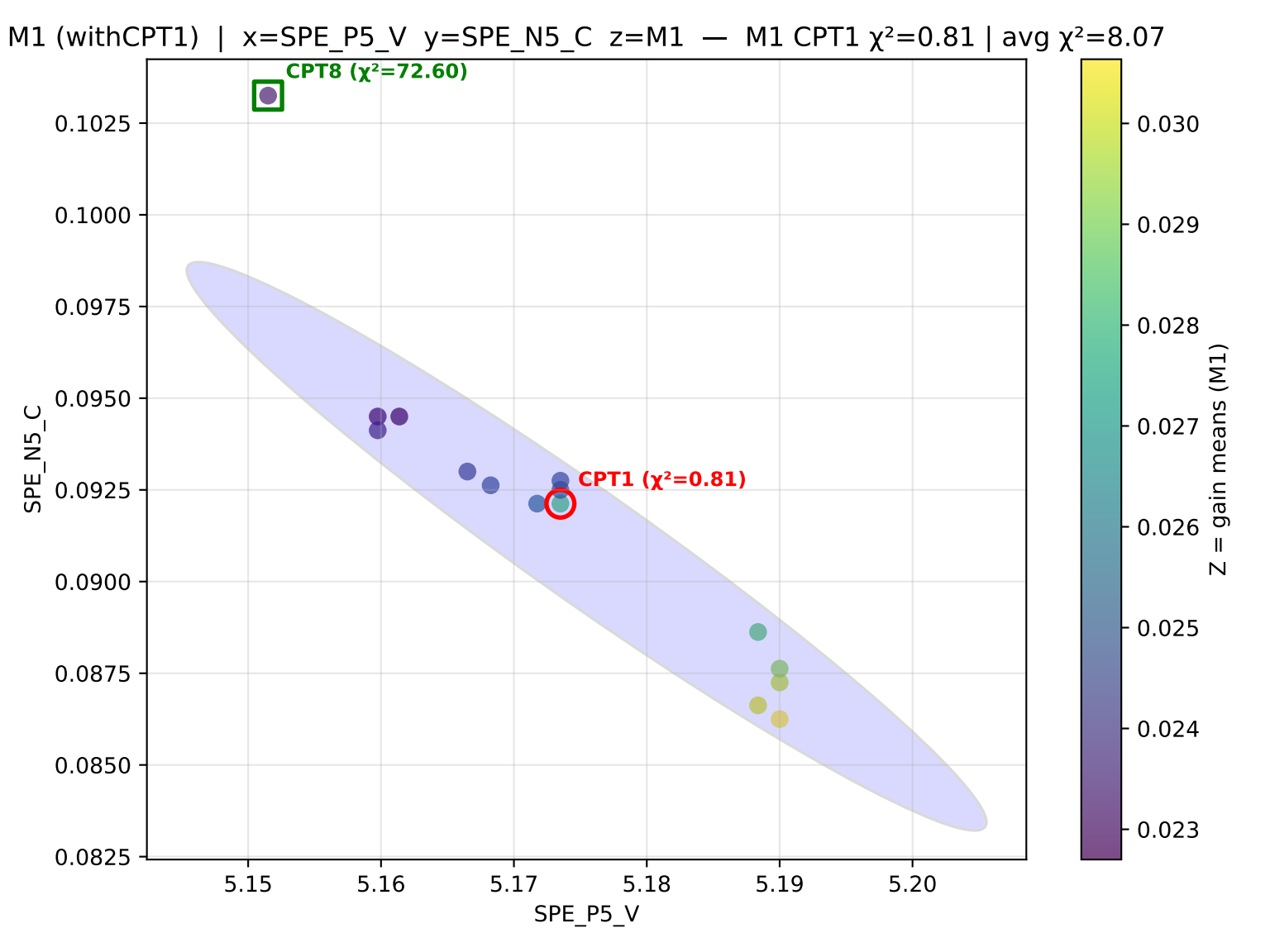

L0 (withCPT1) | x=SPE_P5_V y=SPE_N5_C z=L0 — L0 CPT1 χ²=11.21 | avg χ²=8.07
CPT1 (χ²=11.21)
CPT8 (χ²=79.02)
SPE_N5_C
SPE_P5_V
Z = gain means (L0)
0.104
0.102
0.100
0.098
0.096
0.094
0.092
0.090
0.088
5.14
5.15
5.16
5.17
5.18
5.19
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

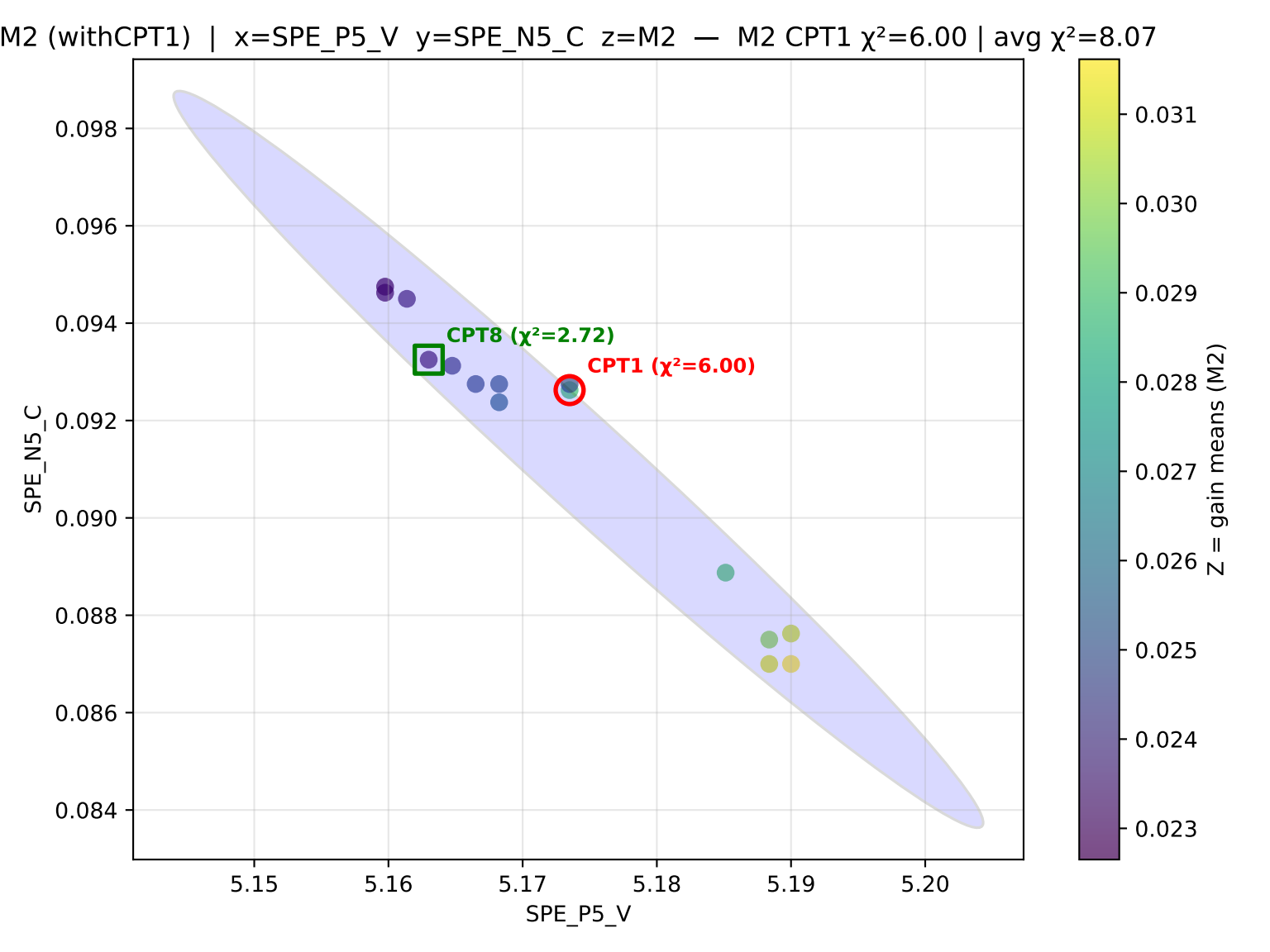

L1 (withCPT1) | x=SPE_P5_V y=SPE_N5_C z=L1 — L1 CPT1 χ²=3.44 | avg χ²=8.07
CPT1 (χ²=3.44)
CPT8 (χ²=47.86)
SPE_N5_C
SPE_P5_V
Z = gain means (L1)
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
5.14
5.15
5.16
5.17
5.18
5.19
5.20
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052

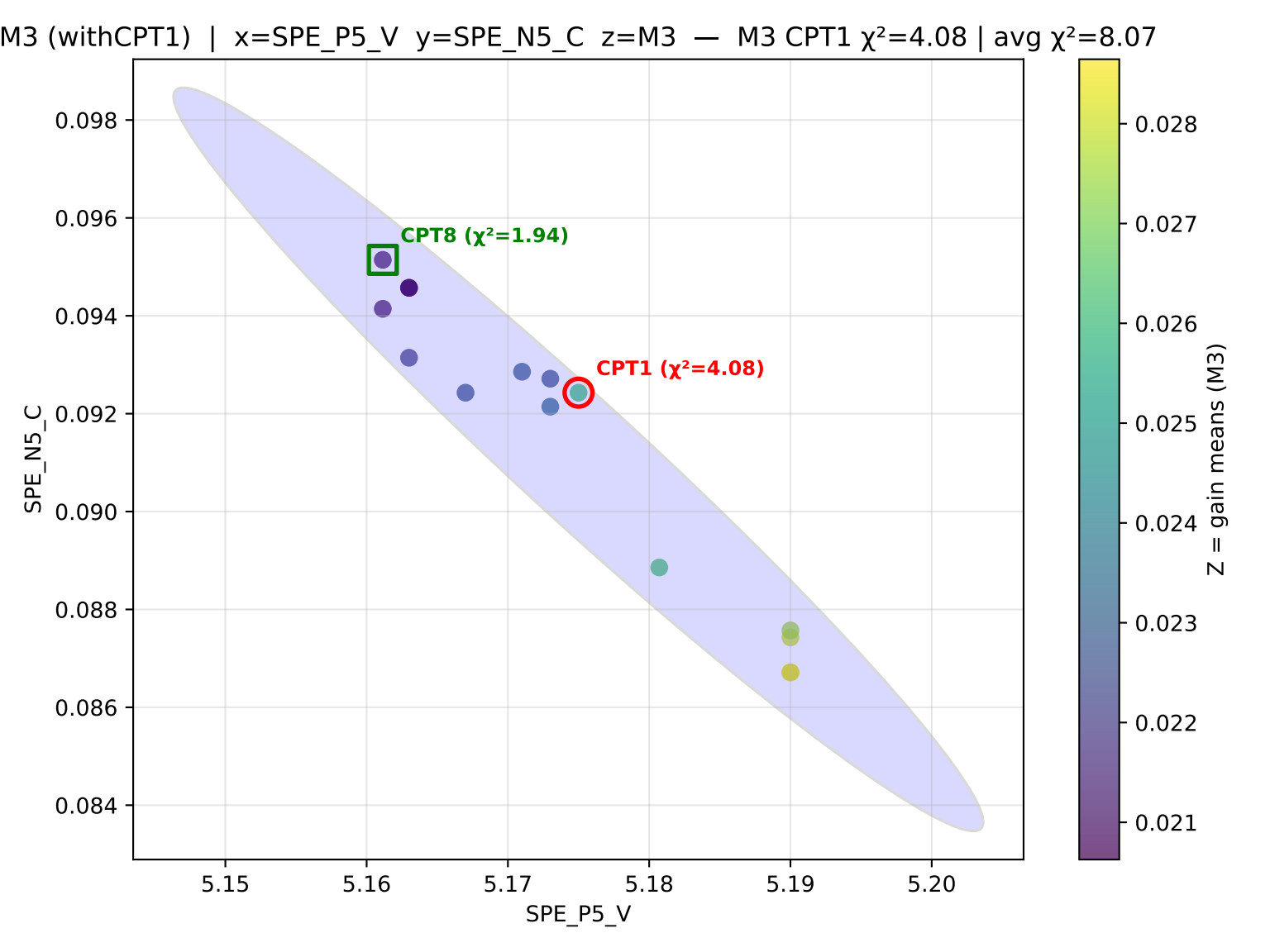

L2 (withCPT1) | x=SPE_P5_V y=SPE_N5_C z=L2 — L2 CPT1 χ²=5.70 | avg χ²=8.07
CPT8 (χ²=2.55)
CPT1 (χ²=5.70)
SPE_N5_C
SPE_P5_V
Z = gain means (L2)
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
5.14
5.15
5.16
5.17
5.18
5.19
5.20
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


L3 (withCPT1) | x=SPE_P5_V y=SPE_N5_C z=L3 — L3 CPT1 χ²=4.27 | avg χ²=8.07
CPT8 (χ²=19.97)
CPT1 (χ²=4.27)
SPE_N5_C
SPE_P5_V
Z = gain means (L3)
0.1050
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
5.14
5.15
5.16
5.17
5.18
5.19
5.20
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


M0 (withCPT1) | x=SPE_P5_V y=SPE_N5_C z=M0 — M0 CPT1 χ²=4.48 | avg χ²=8.07
CPT8 (χ²=163.63)
CPT1 (χ²=4.48)
SPE_N5_C
SPE_P5_V
Z = gain means (M0)
0.105
0.100
0.095
0.090
0.085
5.15
5.16
5.17
5.18
5.19
5.20
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024

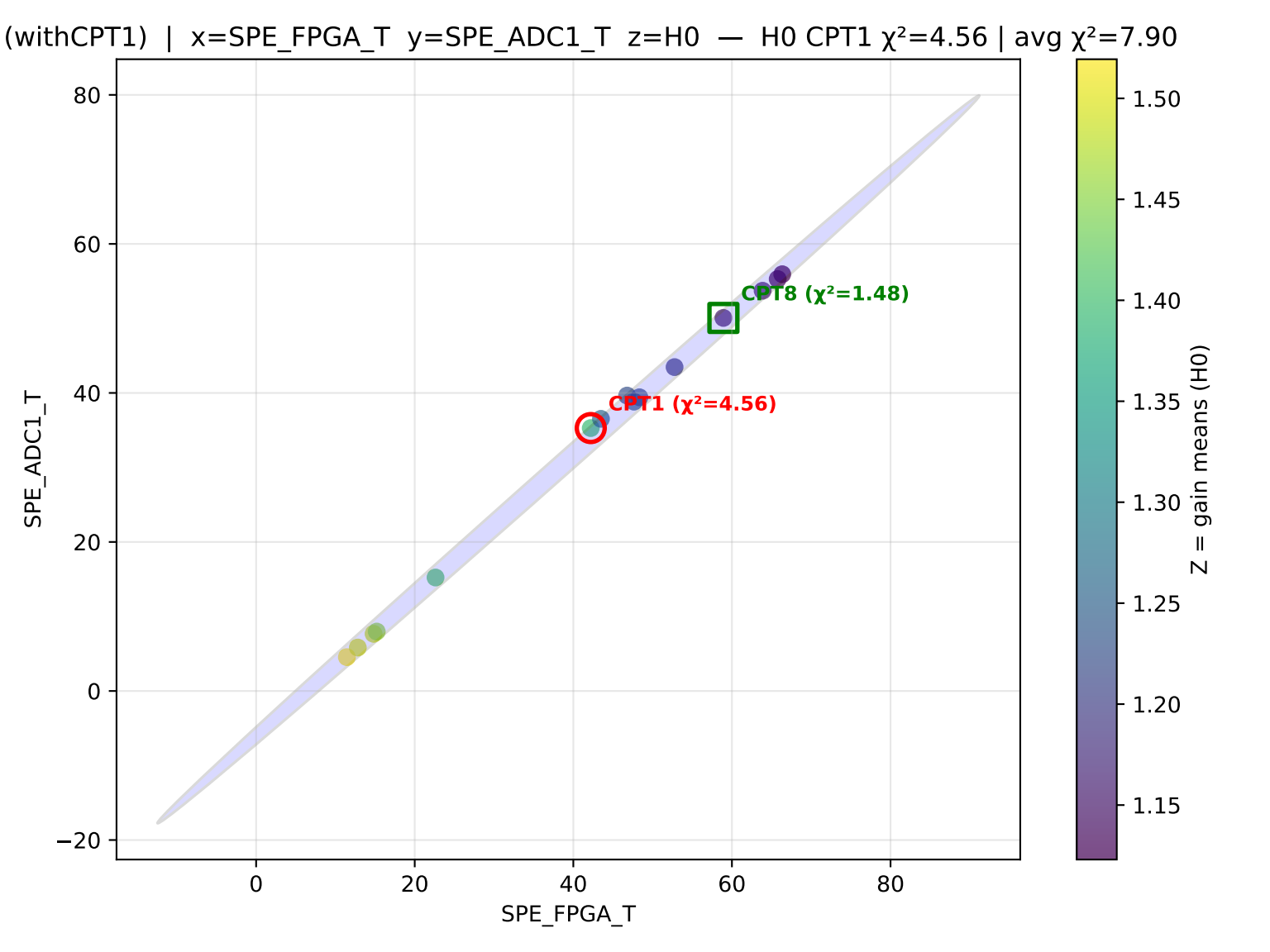

M1 (withCPT1) | x=SPE_P5_V y=SPE_N5_C z=M1 — M1 CPT1 χ²=0.81 | avg χ²=8.07
CPT8 (χ²=72.60)
CPT1 (χ²=0.81)
SPE_N5_C
SPE_P5_V
Z = gain means (M1)
0.1025
0.1000
0.0975
0.0950
0.0925
0.0900
0.0875
0.0850
0.0825
5.15
5.16
5.17
5.18
5.19
5.20
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

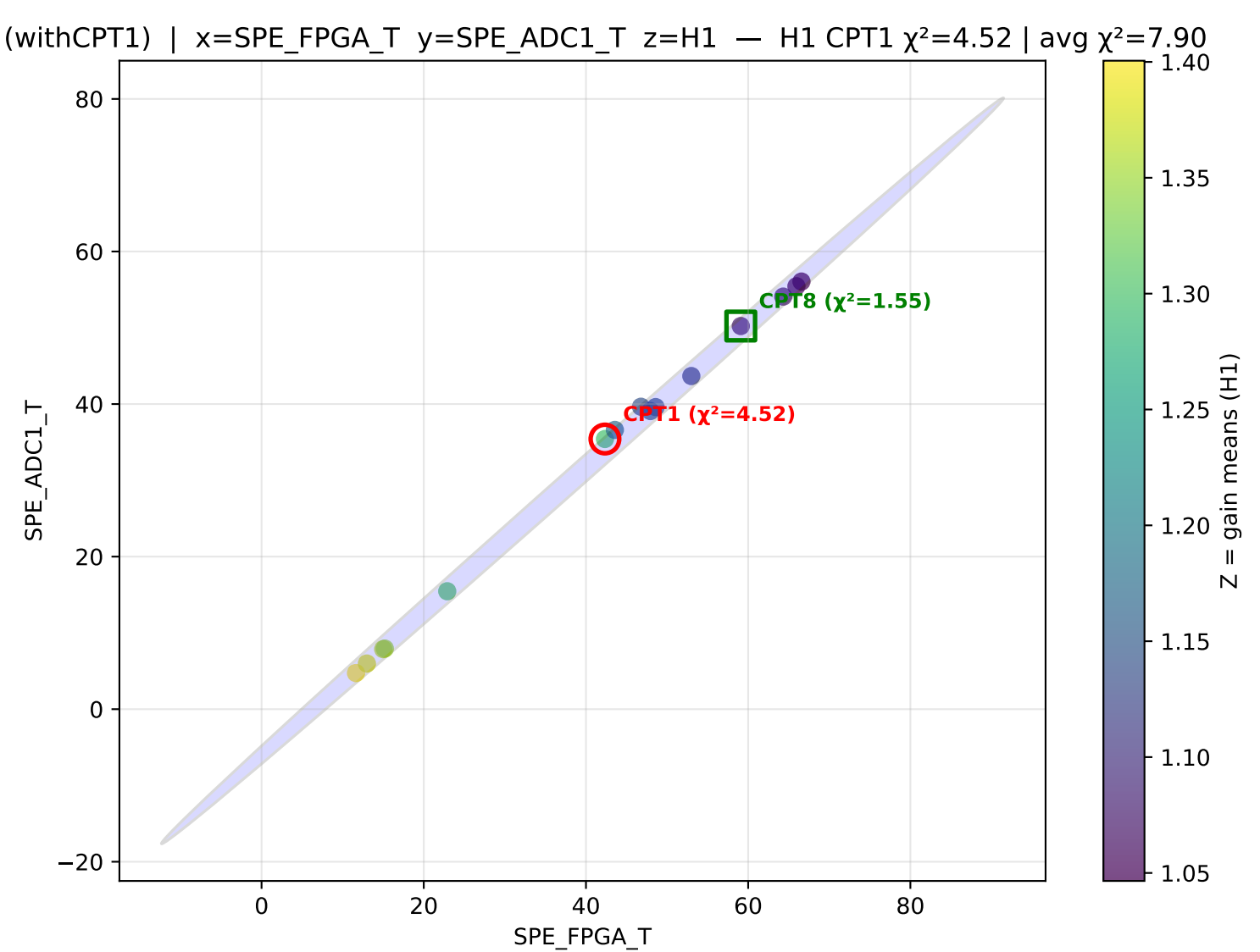

M2 (withCPT1) | x=SPE_P5_V y=SPE_N5_C z=M2 — M2 CPT1 χ²=6.00 | avg χ²=8.07
CPT8 (χ²=2.72)
CPT1 (χ²=6.00)
SPE_N5_C
SPE_P5_V
Z = gain means (M2)
0.098
0.096
0.094
0.092
0.090
0.088
0.086
0.084
5.15
5.16
5.17
5.18
5.19
5.20
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023

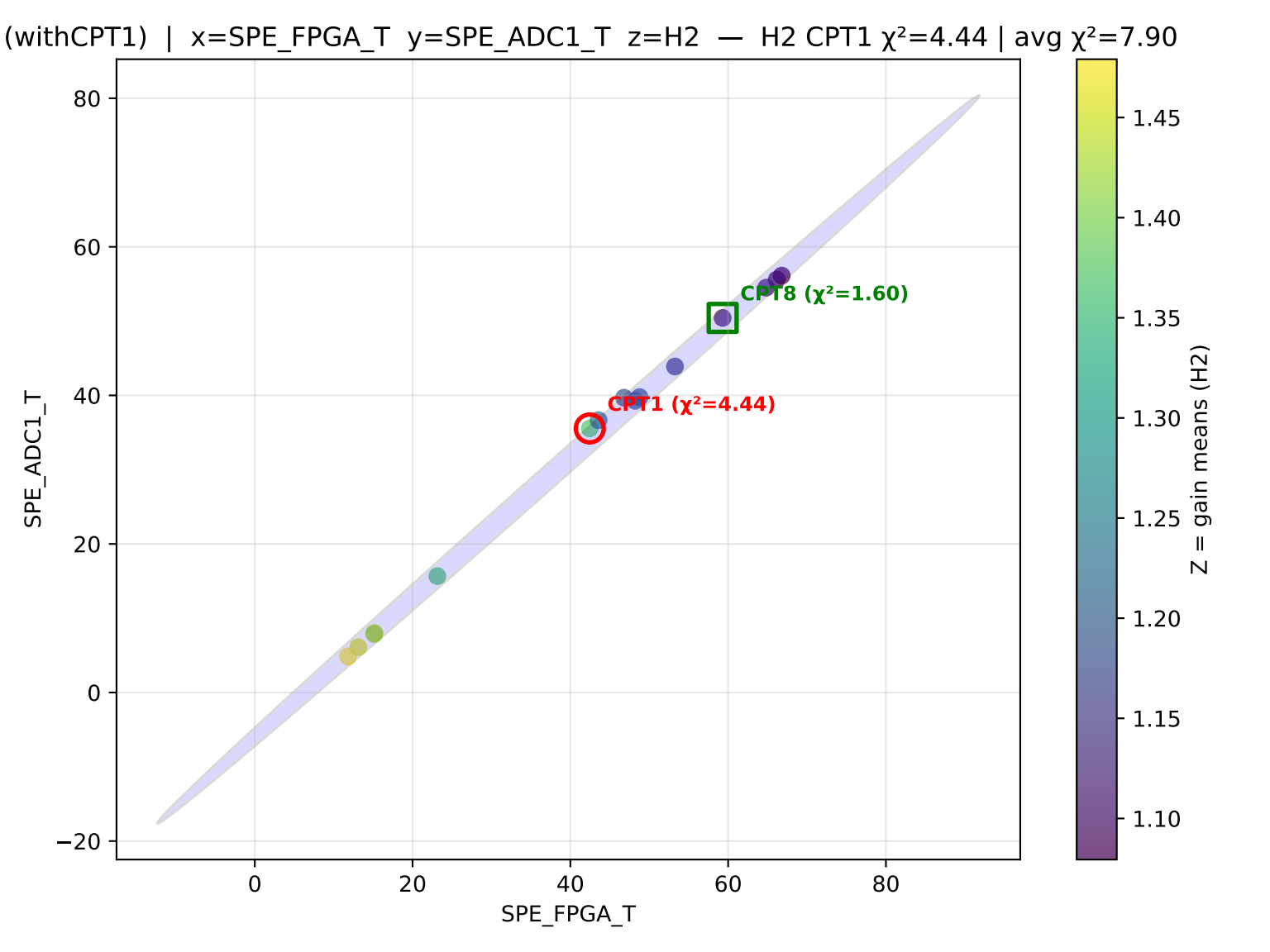

M3 (withCPT1) | x=SPE_P5_V y=SPE_N5_C z=M3 — M3 CPT1 χ²=4.08 | avg χ²=8.07
CPT8 (χ²=1.94)
CPT1 (χ²=4.08)
SPE_N5_C
SPE_P5_V
Z = gain means (M3)
0.098
0.096
0.094
0.092
0.090
0.088
0.086
0.084
5.15
5.16
5.17
5.18
5.19
5.20
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

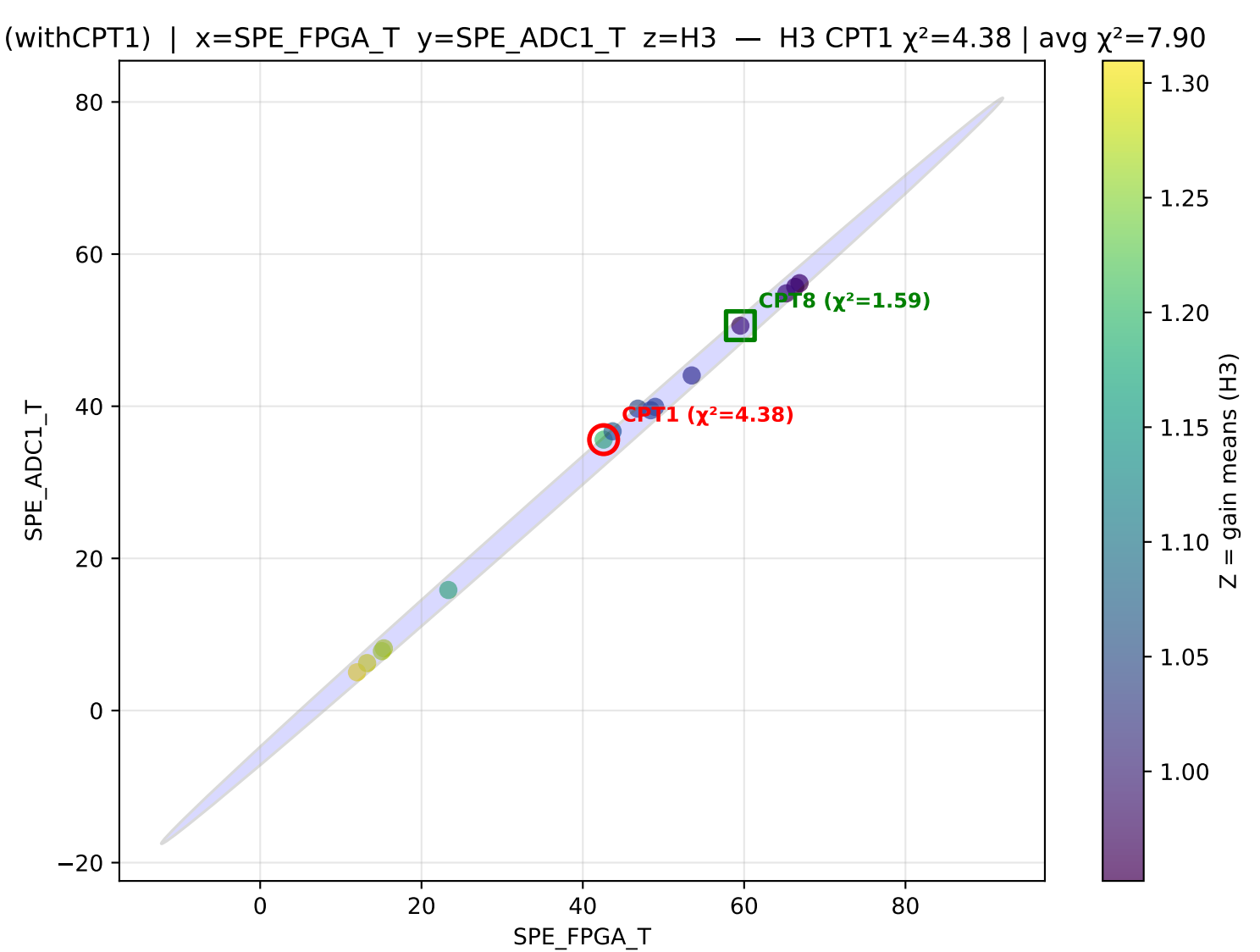
Pair: SPE_FPGA_T vs SPE_ADC1_T

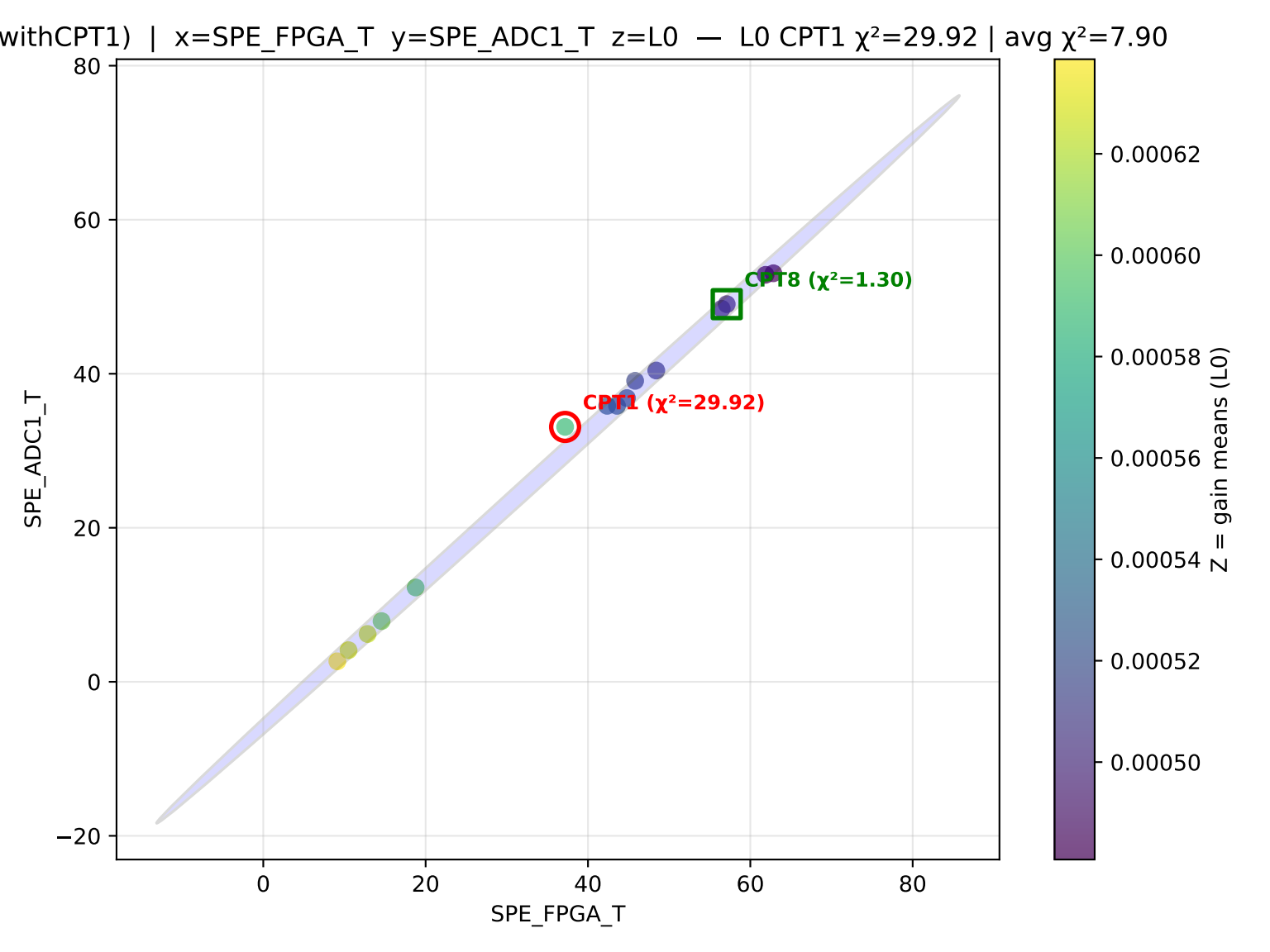
Average χ^2(CPT1) across settings: 7.90

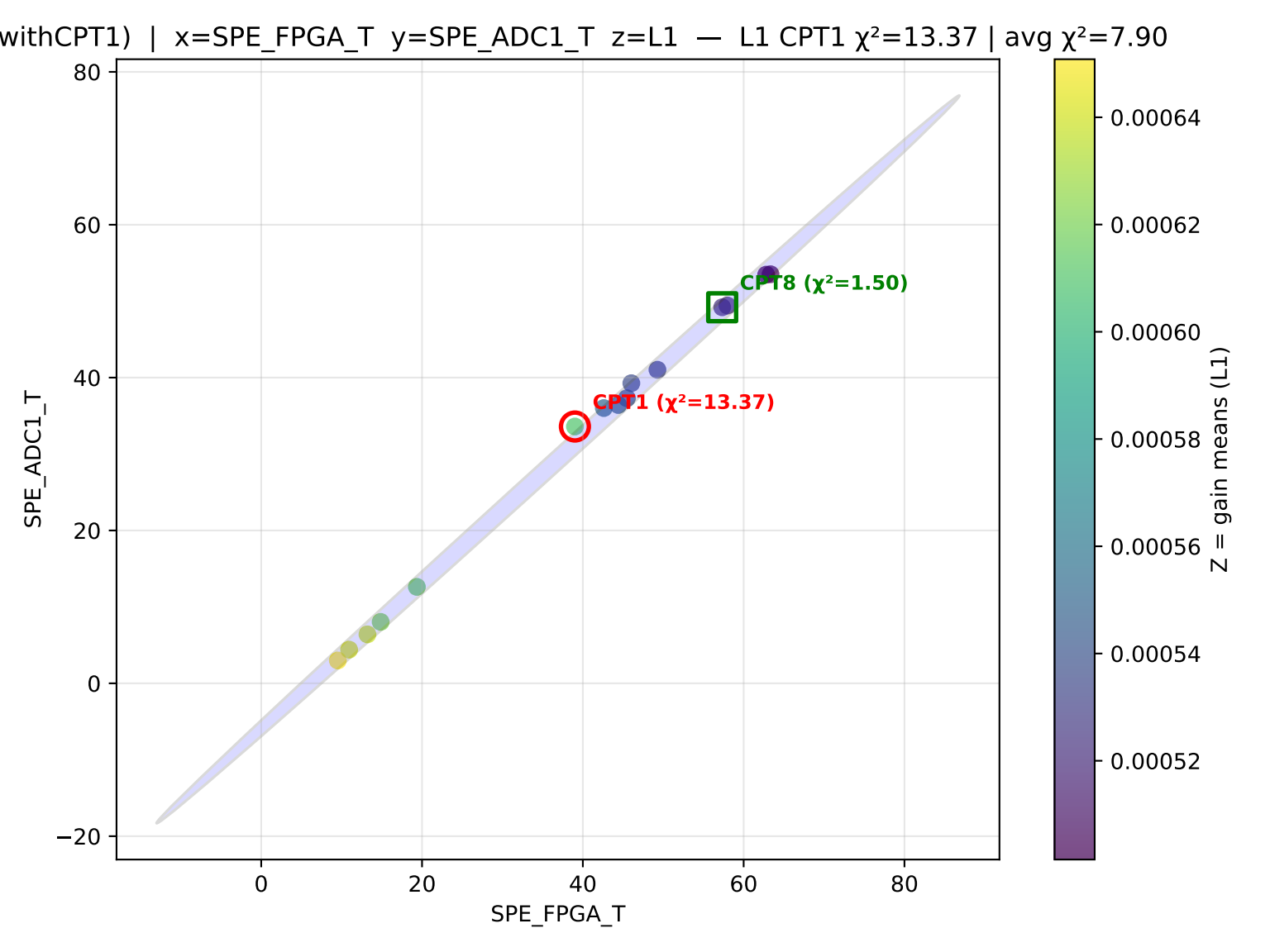

(withCPT1) | x=SPE_FPGA_T y=SPE_ADC1_T z=H0 — H0 CPT1 χ²=4.56 | avg χ²=7.90
CPT8 (χ²=1.48)
CPT1 (χ²=4.56)
SPE_ADC1_T
SPE_FPGA_T
Z = gain means (H0)
80
60
40
20
0
−20
0
20
40
60
80
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15

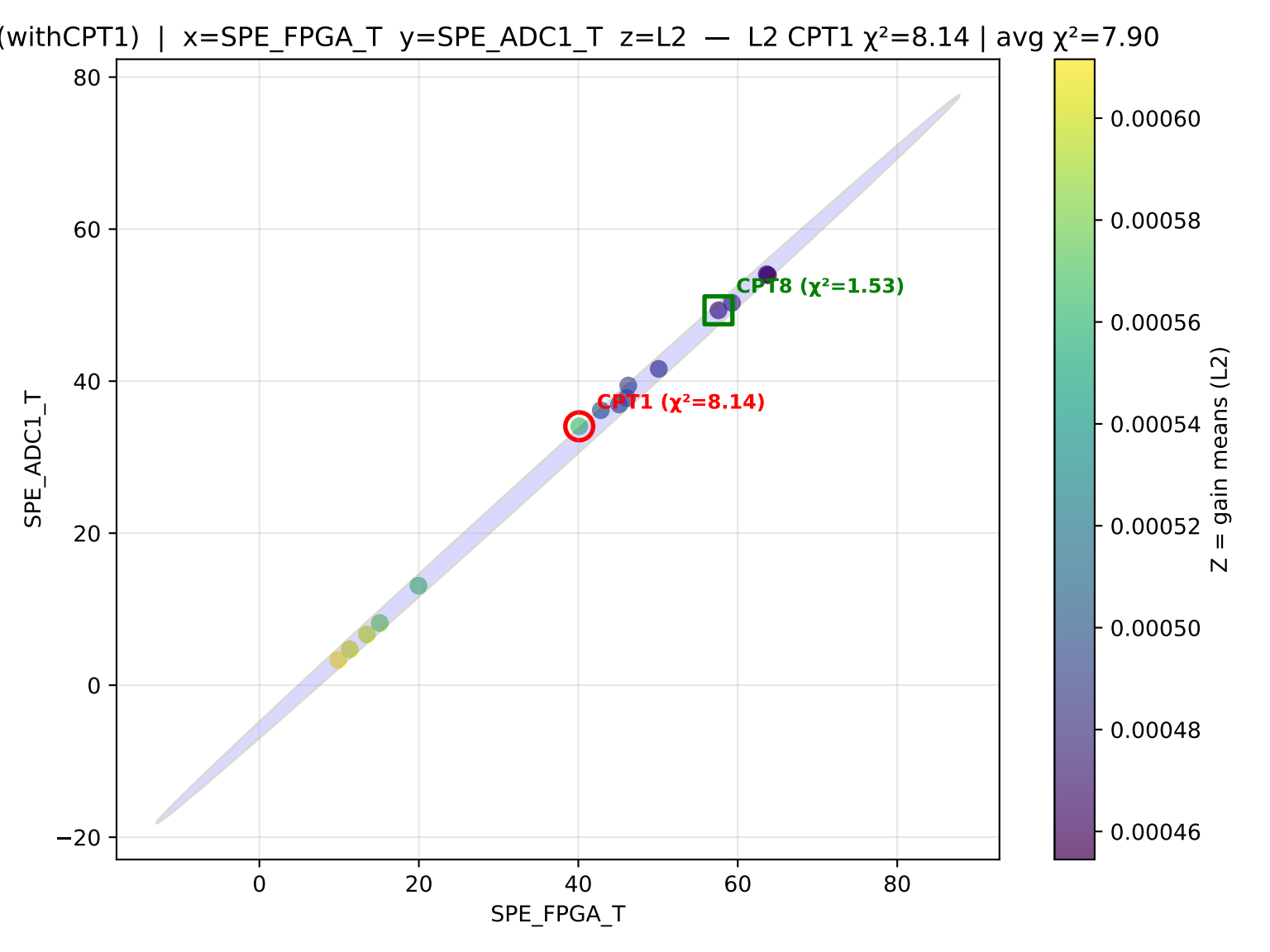

(withCPT1) | x=SPE_FPGA_T y=SPE_ADC1_T z=H1 — H1 CPT1 χ²=4.52 | avg χ²=7.90
CPT8 (χ²=1.55)
CPT1 (χ²=4.52)
SPE_ADC1_T
SPE_FPGA_T
Z = gain means (H1)
80
60
40
20
0
−20
0
20
40
60
80
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05

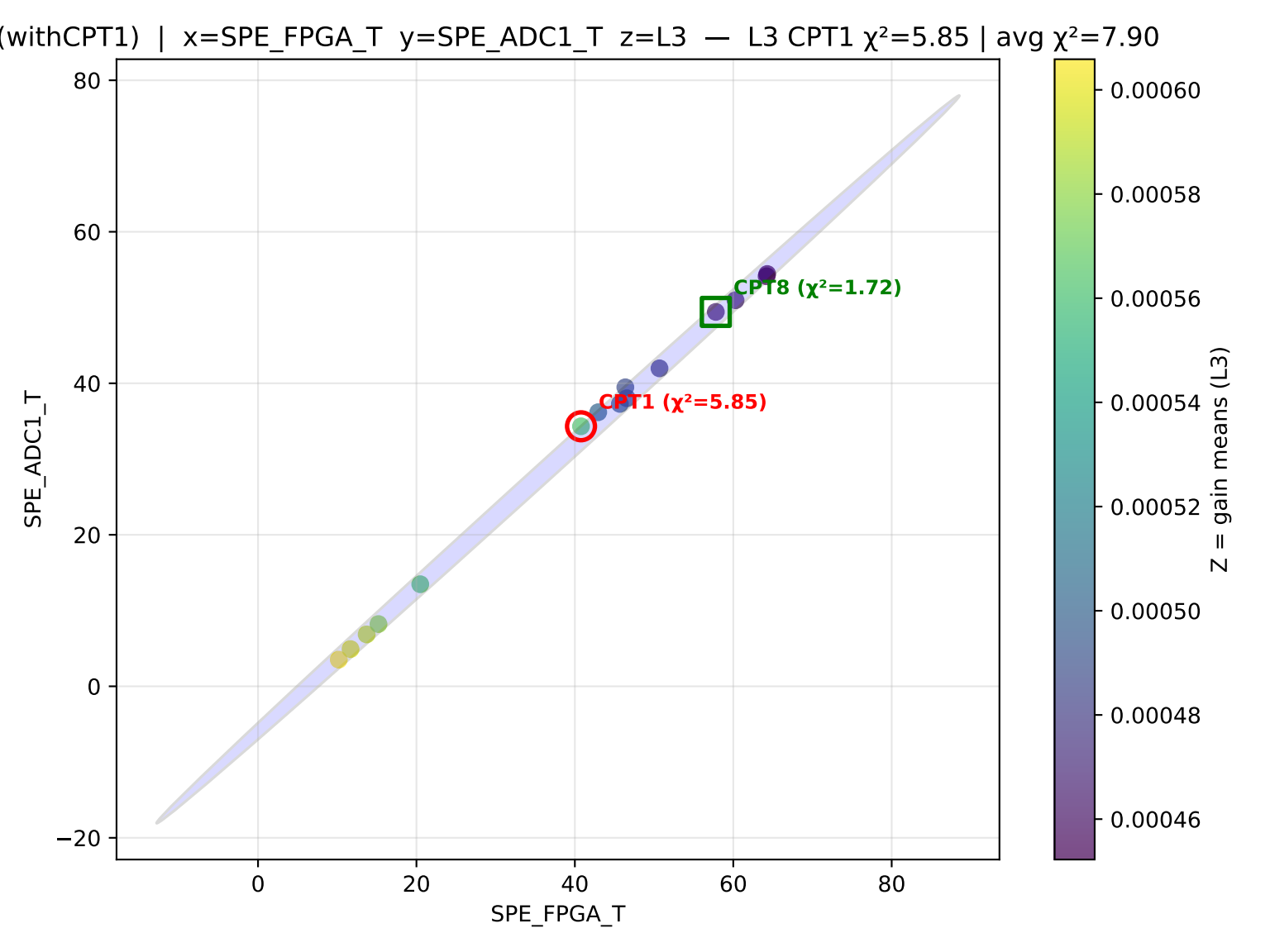

(withCPT1) | x=SPE_FPGA_T y=SPE_ADC1_T z=H2 — H2 CPT1 χ²=4.44 | avg χ²=7.90
CPT8 (χ²=1.60)
CPT1 (χ²=4.44)
SPE_ADC1_T
SPE_FPGA_T
Z = gain means (H2)
80
60
40
20
0
−20
0
20
40
60
80
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10

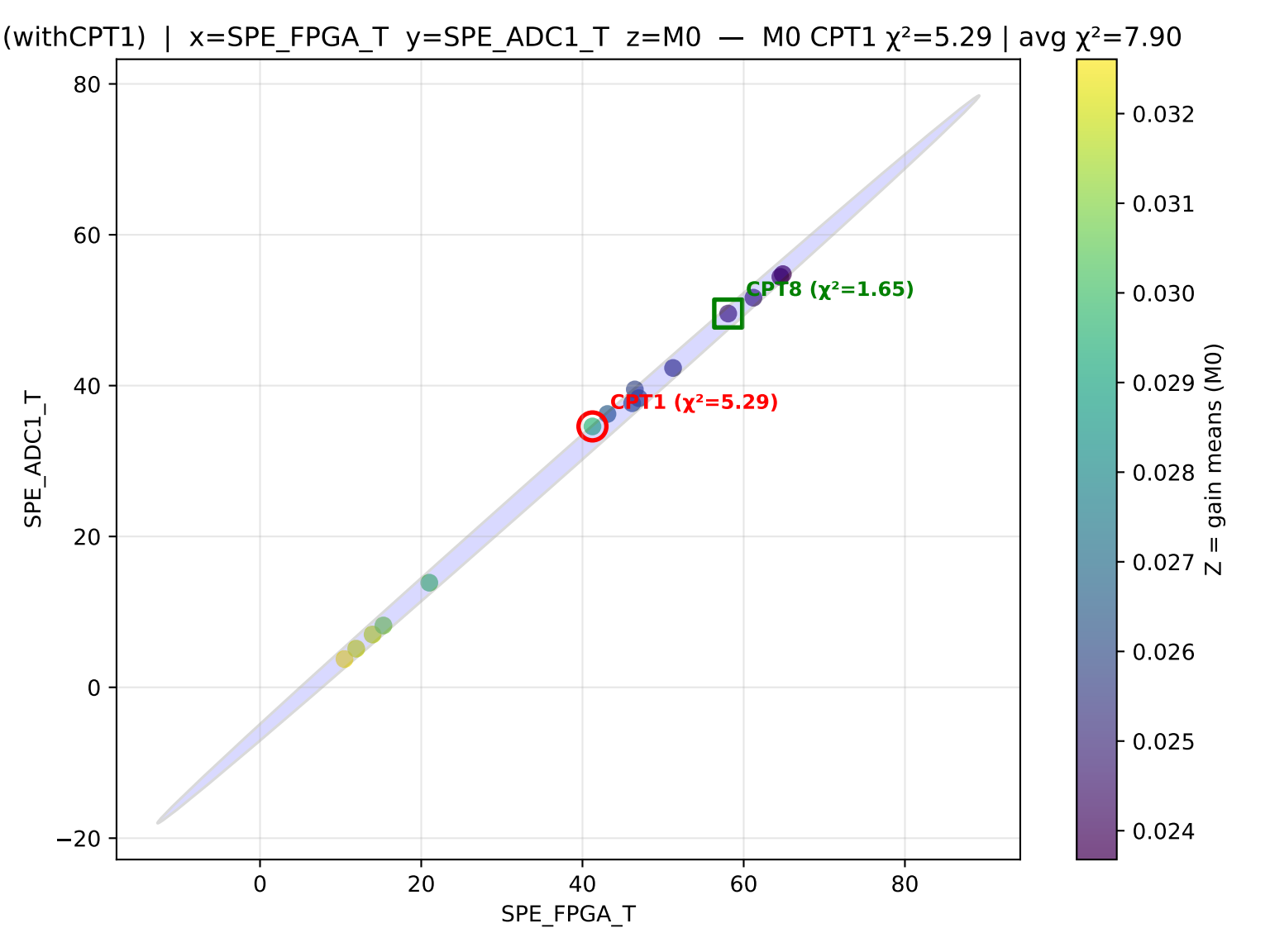

(withCPT1) | x=SPE_FPGA_T y=SPE_ADC1_T z=H3 — H3 CPT1 χ²=4.38 | avg χ²=7.90
CPT8 (χ²=1.59)
CPT1 (χ²=4.38)
SPE_ADC1_T
SPE_FPGA_T
Z = gain means (H3)
80
60
40
20
0
−20
0
20
40
60
80
1.30
1.25
1.20
1.15
1.10
1.05
1.00

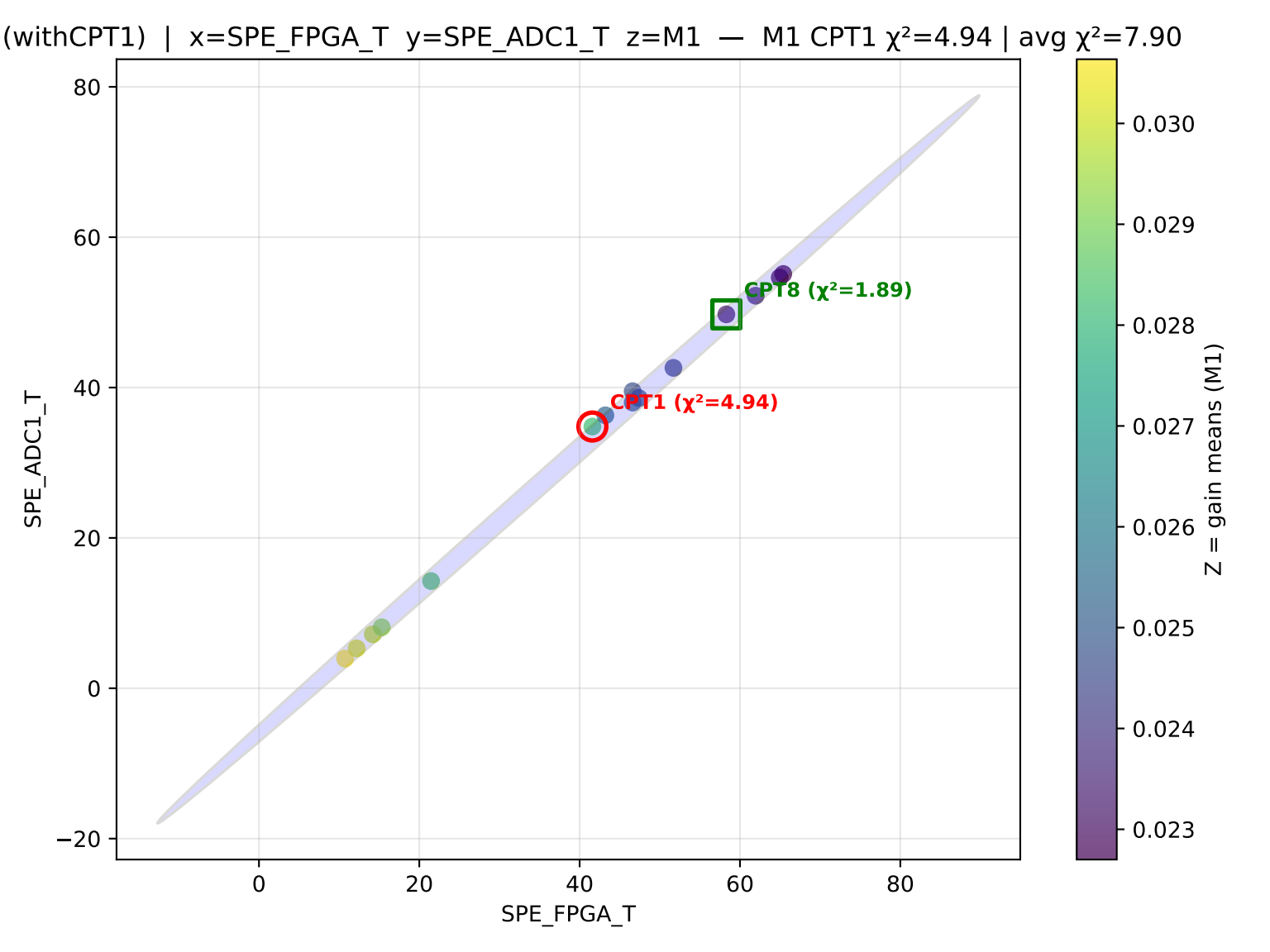

withCPT1) | x=SPE_FPGA_T y=SPE_ADC1_T z=L0 — L0 CPT1 χ²=29.92 | avg χ²=7.90
CPT8 (χ²=1.30)
CPT1 (χ²=29.92)
SPE_ADC1_T
SPE_FPGA_T
Z = gain means (L0)
80
60
40
20
0
−20
0
20
40
60
80
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050

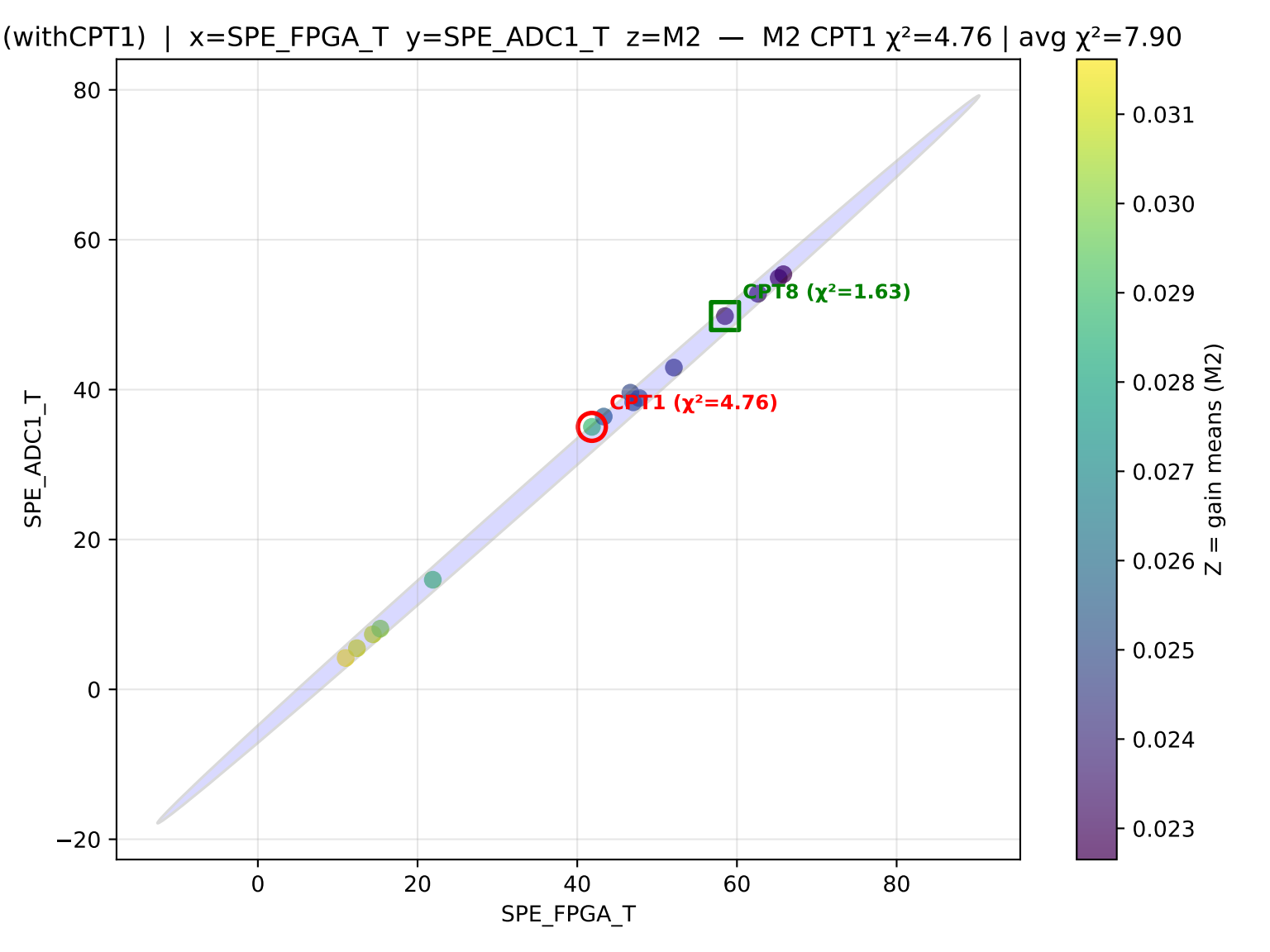

withCPT1) | x=SPE_FPGA_T y=SPE_ADC1_T z=L1 — L1 CPT1 χ²=13.37 | avg χ²=7.90
CPT8 (χ²=1.50)
CPT1 (χ²=13.37)
SPE_ADC1_T
SPE_FPGA_T
Z = gain means (L1)
80
60
40
20
0
−20
0
20
40
60
80
0.00064
0.00062
0.00060
0.00058
0.00056
0.00054
0.00052

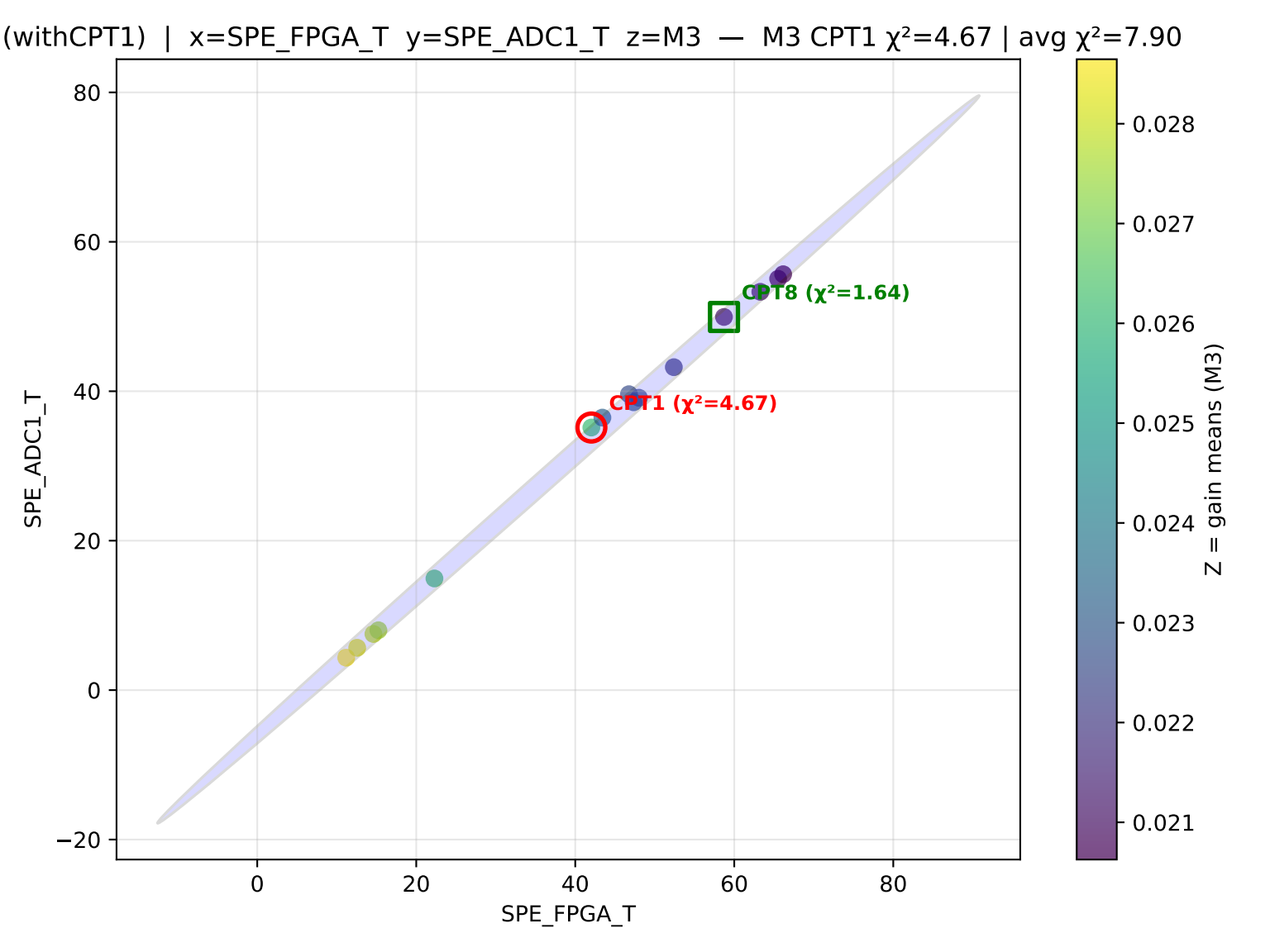

(withCPT1) | x=SPE_FPGA_T y=SPE_ADC1_T z=L2 — L2 CPT1 χ²=8.14 | avg χ²=7.90
CPT8 (χ²=1.53)
CPT1 (χ²=8.14)
SPE_FPGA_T
SPE_ADC1_T
Z = gain means (L2)
80
60
40
20
0
−20
0
20
40
60
80
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


(withCPT1) | x=SPE_FPGA_T y=SPE_ADC1_T z=L3 — L3 CPT1 χ²=5.85 | avg χ²=7.90
CPT8 (χ²=1.72)
CPT1 (χ²=5.85)
SPE_ADC1_T
SPE_FPGA_T
Z = gain means (L3)
80
60
40
20
0
−20
0
20
40
60
80
0.00060
0.00058
0.00056
0.00054
0.00052
0.00050
0.00048
0.00046


(withCPT1) | x=SPE_FPGA_T y=SPE_ADC1_T z=M0 — M0 CPT1 χ²=5.29 | avg χ²=7.90
CPT8 (χ²=1.65)
CPT1 (χ²=5.29)
SPE_ADC1_T
SPE_FPGA_T
Z = gain means (M0)
80
60
40
20
0
−20
0
20
40
60
80
0.032
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024


(withCPT1) | x=SPE_FPGA_T y=SPE_ADC1_T z=M1 — M1 CPT1 χ²=4.94 | avg χ²=7.90
CPT8 (χ²=1.89)
CPT1 (χ²=4.94)
SPE_ADC1_T
SPE_FPGA_T
Z = gain means (M1)
80
60
40
20
0
−20
0
20
40
60
80
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023


(withCPT1) | x=SPE_FPGA_T y=SPE_ADC1_T z=M2 — M2 CPT1 χ²=4.76 | avg χ²=7.90
CPT8 (χ²=1.63)
CPT1 (χ²=4.76)
SPE_ADC1_T
SPE_FPGA_T
Z = gain means (M2)
80
60
40
20
0
−20
0
20
40
60
80
0.031
0.030
0.029
0.028
0.027
0.026
0.025
0.024
0.023


(withCPT1) | x=SPE_FPGA_T y=SPE_ADC1_T z=M3 — M3 CPT1 χ²=4.67 | avg χ²=7.90
CPT8 (χ²=1.64)
CPT1 (χ²=4.67)
SPE_ADC1_T
SPE_FPGA_T
Z = gain means (M3)
80
60
40
20
0
−20
0
20
40
60
80
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021

Top 25 by average χ^2(CPT1) across settings

1. SPE_N5_C vs PFPS_DCB_5V — avg χ^2=23.68
2. SPE_N5_C vs PFPS_SPE_2V3 — avg χ^2=23.29
3. VMON_6V vs SPE_N5_C — avg χ^2=21.58
4. SPE_P5_C vs PFPS_DCB_5V — avg χ^2=16.50
5. VMON_6V vs SPE_P5_C — avg χ^2=15.00
6. SPE_P5_C vs SPE_1VA8_C — avg χ^2=14.24
7. THERM_DCB vs SPE_N5_C — avg χ^2=13.72
8. THERM_FPGA vs SPE_N5_C — avg χ^2=13.52
9. SPE_P5_C vs PFPS_SPE_2V3 — avg χ^2=13.19
10. SPE_N5_C vs SPE_ADC0_T — avg χ^2=10.46
11. SPE_N5_C vs SPE_FPGA_T — avg χ^2=10.23
12. SPE_N5_C vs SPE_1VA8_C — avg χ^2=10.17
13. SPE_N5_C vs SPE_1VA8_V — avg χ^2=10.14
14. SPE_P5_C vs SPE_FPGA_T — avg χ^2=9.82
15. SPE_N5_C vs SPE_ADC1_T — avg χ^2=9.73
16. SPE_P5_C vs SPE_1VA8_V — avg χ^2=9.71
17. SPE_N5_C vs PFPS_BAT_T — avg χ^2=9.53
18. SPE_P5_V vs SPE_P5_C — avg χ^2=9.47
19. SPE_P5_C vs SPE_ADC0_T — avg χ^2=9.37
20. THERM_DCB vs SPE_P5_C — avg χ^2=8.92
21. THERM_FPGA vs SPE_P5_C — avg χ^2=8.78
22. SPE_P5_C vs SPE_ADC1_T — avg χ^2=8.59

23. SPE_P5_C vs PFPS_BAT_T — avg χ^2=8.49
24. SPE_P5_V vs SPE_N5_C — avg χ^2=8.07
25. SPE_FPGA_T vs SPE_ADC1_T — avg χ^2=7.90