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long_nom=-111.100
n_diag=1

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beam_id=KSU20
emi_rcp=R
polar_disc=C
reason=C
n_bore=1
n_cont=7

[B1]
gain=0.00
p=-110.096;36.150

[C1]
gain=-2.00
n_point=51
p1=-110.598;33.654
p2=-110.871;33.733
p3=-111.132;33.845
p4=-111.379;33.993
p5=-111.624;34.181
p6=-111.837;34.391
p7=-112.050;34.666
p8=-112.202;34.919
p9=-112.329;35.197
p10=-112.426;35.498
p11=-112.493;35.837
p12=-112.516;36.133
p13=-112.508;36.430
p14=-112.456;36.781
p15=-112.372;37.086
p16=-112.251;37.384
p17=-112.094;37.665
p18=-111.900;37.935
p19=-111.662;38.184
p20=-111.426;38.377
p21=-111.156;38.547
p22=-110.879;38.674
p23=-110.571;38.769
p24=-110.278;38.818
p25=-109.955;38.828
p26=-109.649;38.796
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p28=-109.086;38.619
p29=-108.814;38.469
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p31=-108.329;38.058
p32=-108.108;37.773
p33=-107.949;37.497

p34=-107.825;37.206
p35=-107.737;36.899
p36=-107.685;36.572
p37=-107.672;36.261
p38=-107.696;35.929
p39=-107.756;35.613
p40=-107.848;35.316
p41=-107.971;35.030
p42=-108.137;34.742
p43=-108.311;34.505
p44=-108.552;34.248
p45=-108.795;34.048
p46=-109.057;33.883
p47=-109.295;33.769
p48=-109.572;33.677
p49=-109.853;33.621
p50=-110.160;33.603
p51=-110.450;33.626

[C2]

gain=-4.00
n_point=51
p1=-110.786;32.699
p2=-111.163;32.807
p3=-111.523;32.962
p4=-111.866;33.165
p5=-112.206;33.424
p6=-112.501;33.714
p7=-112.800;34.094
p8=-113.014;34.443
p9=-113.195;34.828
p10=-113.335;35.245
p11=-113.434;35.717
p12=-113.472;36.130
p13=-113.466;36.545
p14=-113.400;37.035
p15=-113.289;37.464
p16=-113.124;37.882
p17=-112.909;38.279
p18=-112.639;38.659
p19=-112.308;39.013
p20=-111.976;39.285
p21=-111.597;39.527
p22=-111.204;39.709
p23=-110.769;39.844
p24=-110.353;39.913
p25=-109.894;39.928
p26=-109.460;39.882
p27=-109.059;39.783
p28=-108.663;39.630
p29=-108.280;39.417
p30=-107.928;39.155
p31=-107.600;38.834
p32=-107.294;38.431
p33=-107.075;38.041
p34=-106.906;37.632
p35=-106.789;37.201

p36=-106.722;36.743
p37=-106.711;36.308
p38=-106.751;35.845
p39=-106.840;35.406
p40=-106.973;34.993
p41=-107.148;34.596
p42=-107.383;34.198
p43=-107.627;33.871
p44=-107.962;33.517
p45=-108.300;33.241
p46=-108.662;33.014
p47=-108.991;32.857
p48=-109.374;32.730
p49=-109.760;32.653
p50=-110.183;32.630
p51=-110.582;32.661

[C3]

gain=-6.00
n_point=51
p1=-110.920;32.017
p2=-111.370;32.147
p3=-111.801;32.332
p4=-112.212;32.573
p5=-112.619;32.883
p6=-112.975;33.229
p7=-113.336;33.684
p8=-113.595;34.102
p9=-113.817;34.564
p10=-113.989;35.064
p11=-114.113;35.631
p12=-114.164;36.129
p13=-114.161;36.629
p14=-114.088;37.221
p15=-113.959;37.740
p16=-113.764;38.246
p17=-113.508;38.728
p18=-113.186;39.191
p19=-112.786;39.622
p20=-112.385;39.954
p21=-111.925;40.250
p22=-111.447;40.472
p23=-110.916;40.637
p24=-110.409;40.722
p25=-109.848;40.740
p26=-109.318;40.684
p27=-108.829;40.563
p28=-108.347;40.376
p29=-107.881;40.116
p30=-107.456;39.796
p31=-107.060;39.404
p32=-106.692;38.914
p33=-106.432;38.440
p34=-106.233;37.944
p35=-106.097;37.422
p36=-106.022;36.868
p37=-106.014;36.343

p38=-106.068;35.786
p39=-106.180;35.257
p40=-106.344;34.762
p41=-106.558;34.285
p42=-106.843;33.809
p43=-107.138;33.417
p44=-107.542;32.993
p45=-107.947;32.665
p46=-108.381;32.393
p47=-108.775;32.206
p48=-109.232;32.055
p49=-109.694;31.963
p50=-110.199;31.935
p51=-110.676;31.972

[C4]

gain=-8.00
n_point=51
p1=-111.024;31.481
p2=-111.532;31.626
p3=-112.019;31.835
p4=-112.483;32.107
p5=-112.945;32.456
p6=-113.348;32.847
p7=-113.758;33.360
p8=-114.055;33.833
p9=-114.308;34.355
p10=-114.507;34.921
p11=-114.653;35.564
p12=-114.715;36.128
p13=-114.717;36.696
p14=-114.639;37.370
p15=-114.497;37.961
p16=-114.280;38.539
p17=-113.992;39.090
p18=-113.628;39.619
p19=-113.174;40.113
p20=-112.717;40.494
p21=-112.192;40.834
p22=-111.645;41.089
p23=-111.036;41.279
p24=-110.454;41.377
p25=-109.811;41.398
p26=-109.202;41.333
p27=-108.641;41.193
p28=-108.089;40.979
p29=-107.557;40.680
p30=-107.072;40.313
p31=-106.623;39.864
p32=-106.206;39.302
p33=-105.913;38.761
p34=-105.691;38.194
p35=-105.542;37.599
p36=-105.462;36.969
p37=-105.457;36.372
p38=-105.524;35.739
p39=-105.656;35.140

p40=-105.845;34.579
p41=-106.091;34.040
p42=-106.416;33.501
p43=-106.752;33.059
p44=-107.210;32.581
p45=-107.669;32.210
p46=-108.160;31.904
p47=-108.605;31.694
p48=-109.121;31.523
p49=-109.642;31.420
p50=-110.212;31.388
p51=-110.750;31.430

[C5]

gain=-10.00
n_point=51
p1=-111.111;31.032
p2=-111.667;31.192
p3=-112.200;31.420
p4=-112.710;31.717
p5=-113.216;32.099
p6=-113.660;32.527
p7=-114.112;33.089
p8=-114.440;33.607
p9=-114.721;34.180
p10=-114.943;34.801
p11=-115.107;35.508
p12=-115.179;36.128
p13=-115.186;36.754
p14=-115.105;37.496
p15=-114.953;38.149
p16=-114.718;38.787
p17=-114.405;39.397
p18=-114.005;39.983
p19=-113.506;40.531
p20=-113.002;40.954
p21=-112.421;41.332
p22=-111.815;41.615
p23=-111.140;41.827
p24=-110.493;41.936
p25=-109.778;41.959
p26=-109.102;41.887
p27=-108.479;41.732
p28=-107.867;41.494
p29=-107.278;41.161
p30=-106.743;40.753
p31=-106.248;40.255
p32=-105.791;39.632
p33=-105.472;39.033
p34=-105.231;38.407
p35=-105.071;37.749
p36=-104.988;37.054
p37=-104.988;36.397
p38=-105.066;35.700
p39=-105.215;35.041
p40=-105.426;34.425
p41=-105.700;33.834

p42=-106.059;33.243
p43=-106.429;32.759
p44=-106.934;32.235
p45=-107.438;31.830
p46=-107.976;31.495
p47=-108.463;31.265
p48=-109.029;31.079
p49=-109.598;30.966
p50=-110.222;30.931
p51=-110.811;30.977

[C6]

gain=-15.00
n_point=51
p1=-111.271;30.204
p2=-111.916;30.388
p3=-112.535;30.652
p4=-113.127;30.996
p5=-113.718;31.438
p6=-114.236;31.934
p7=-114.766;32.587
p8=-115.153;33.189
p9=-115.486;33.855
p10=-115.753;34.579
p11=-115.955;35.404
p12=-116.047;36.130
p13=-116.065;36.862
p14=-115.981;37.734
p15=-115.814;38.502
p16=-115.547;39.256
p17=-115.187;39.977
p18=-114.723;40.672
p19=-114.140;41.322
p20=-113.547;41.827
p21=-112.860;42.277
p22=-112.141;42.616
p23=-111.338;42.869
p24=-110.567;43.000
p25=-109.714;43.028
p26=-108.908;42.942
p27=-108.166;42.756
p28=-107.440;42.471
p29=-106.743;42.074
p30=-106.112;41.588
p31=-105.533;40.995
p32=-105.002;40.256
p33=-104.635;39.546
p34=-104.362;38.807
p35=-104.185;38.032
p36=-104.099;37.215
p37=-104.109;36.444
p38=-104.210;35.629
p39=-104.393;34.859
p40=-104.648;34.141
p41=-104.974;33.452
p42=-105.398;32.766
p43=-105.832;32.203

p44=-106.422;31.596
p45=-107.010;31.126
p46=-107.636;30.739
p47=-108.202;30.473
p48=-108.857;30.257
p49=-109.518;30.126
p50=-110.241;30.087
p51=-110.923;30.140

[C7]

gain=-20.00
n_point=51
p1=-111.378;29.648
p2=-112.083;29.849
p3=-112.759;30.137
p4=-113.407;30.512
p5=-114.053;30.995
p6=-114.622;31.536
p7=-115.206;32.249
p8=-115.632;32.907
p9=-116.002;33.636
p10=-116.300;34.430
p11=-116.528;35.334
p12=-116.637;36.132
p13=-116.663;36.937
p14=-116.580;37.897
p15=-116.404;38.744
p16=-116.117;39.577
p17=-115.727;40.375
p18=-115.221;41.146
p19=-114.581;41.868
p20=-113.927;42.429
p21=-113.167;42.931
p22=-112.370;43.309
p23=-111.477;43.592
p24=-110.618;43.738
p25=-109.669;43.769
p26=-108.771;43.673
p27=-107.946;43.465
p28=-107.140;43.148
p29=-106.368;42.704
p30=-105.672;42.163
p31=-105.035;41.504
p32=-104.456;40.684
p33=-104.058;39.899
p34=-103.765;39.081
p35=-103.578;38.226
p36=-103.492;37.326
p37=-103.510;36.477
p38=-103.630;35.581
p39=-103.837;34.737
p40=-104.123;33.949
p41=-104.484;33.195
p42=-104.953;32.444
p43=-105.431;31.830
p44=-106.079;31.167
p45=-106.723;30.654

p46=-107.408;30.231
p47=-108.027;29.941
p48=-108.743;29.706
p49=-109.464;29.564
p50=-110.253;29.521
p51=-110.998;29.578