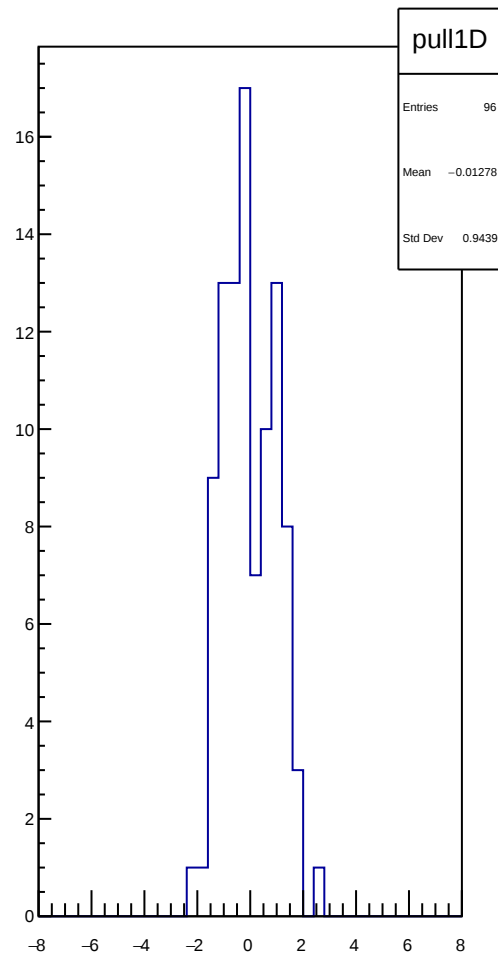
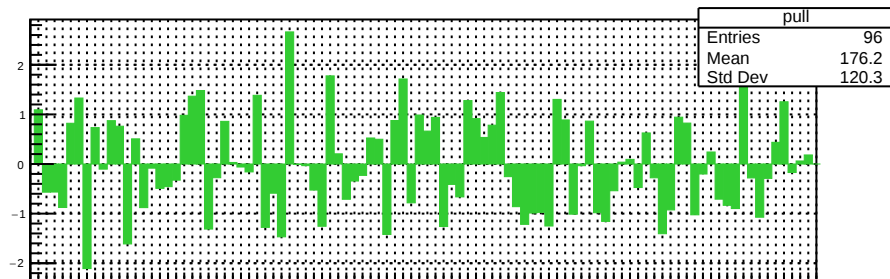
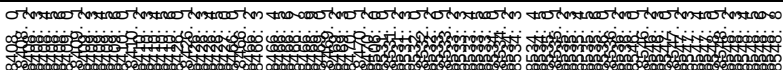
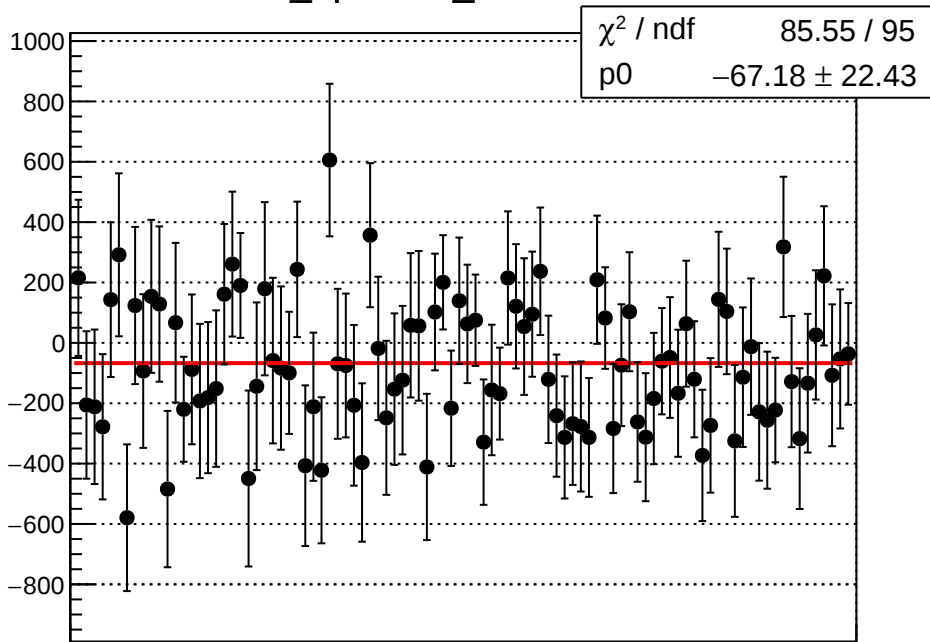
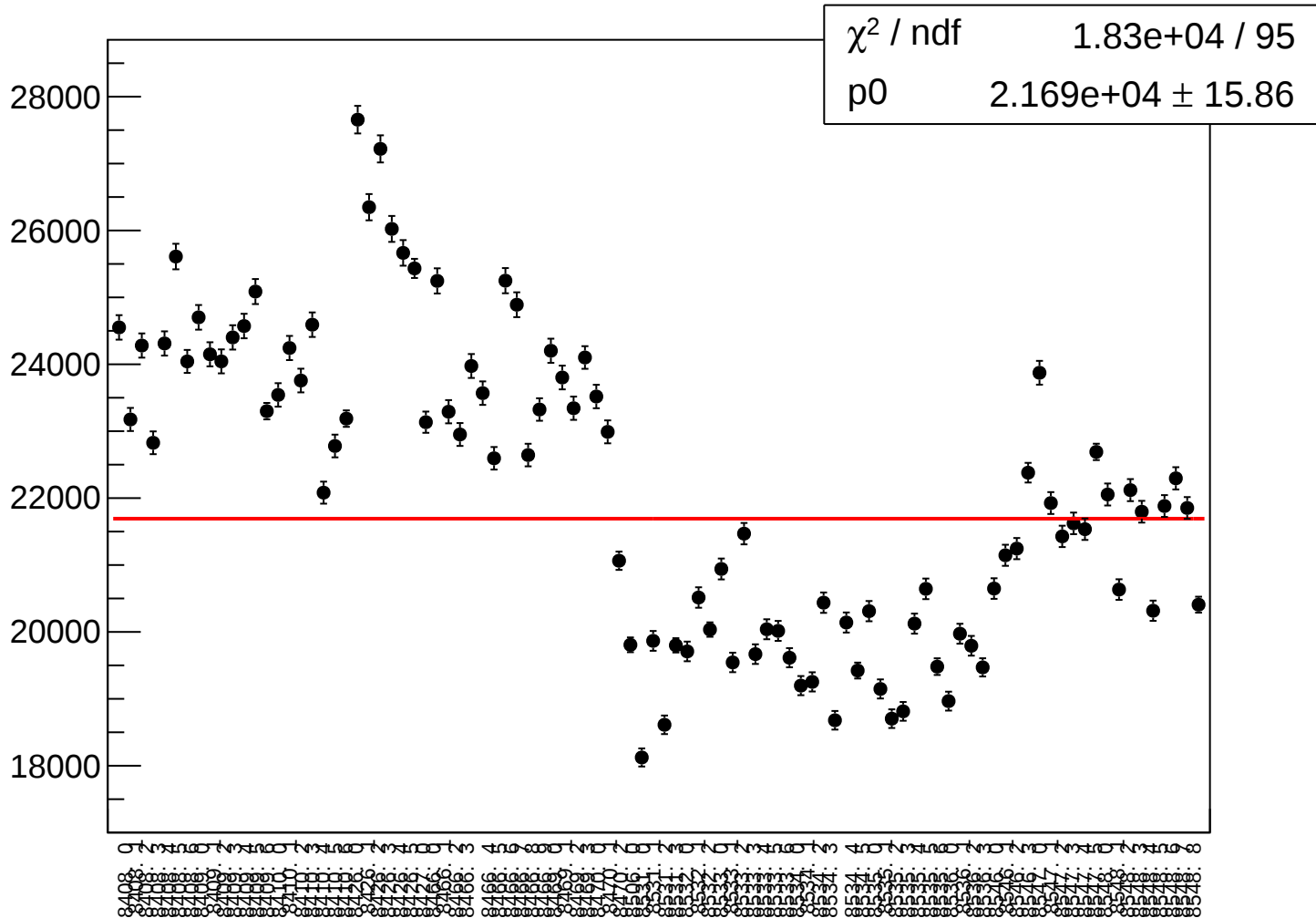


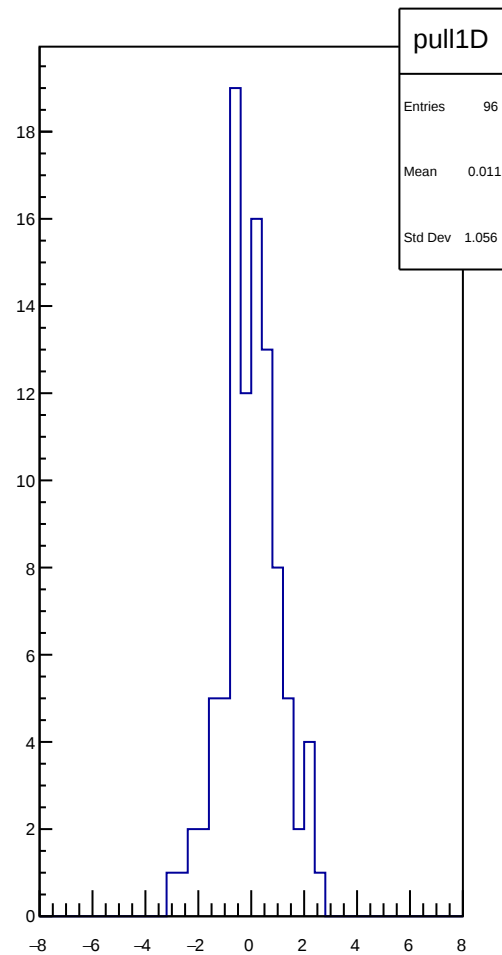
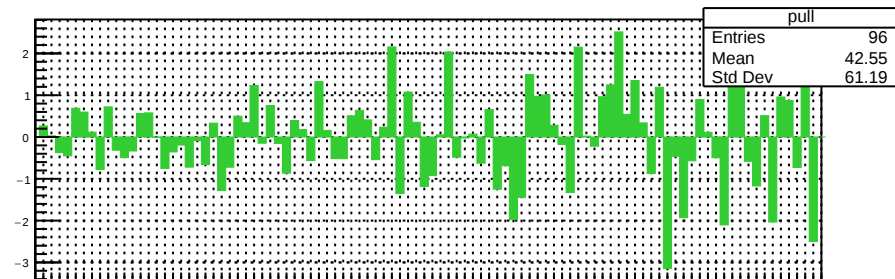
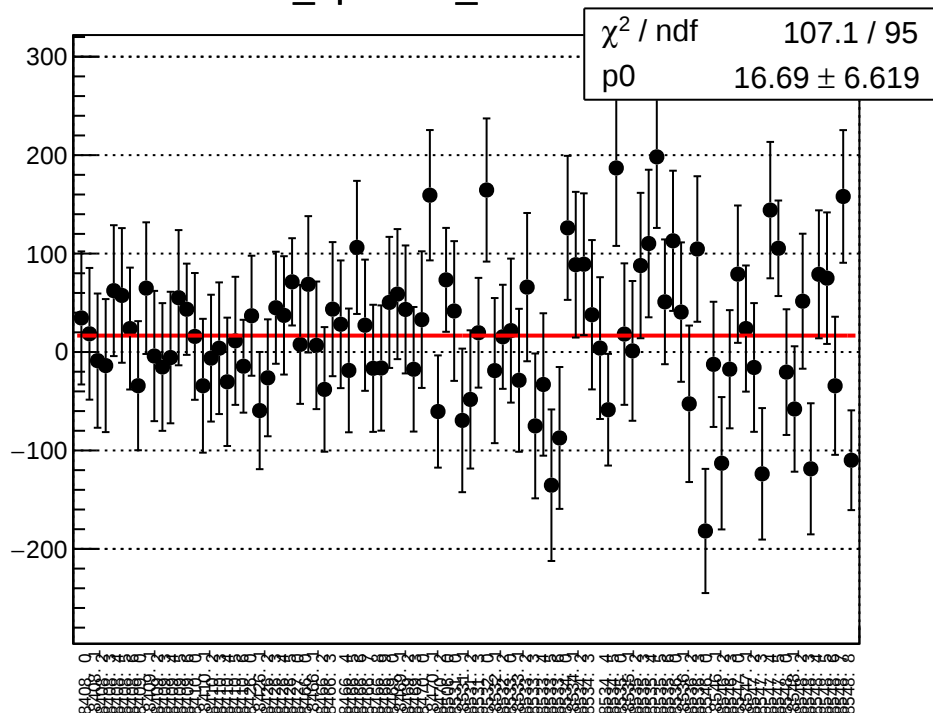
diff_bpm4aX_mean vs run



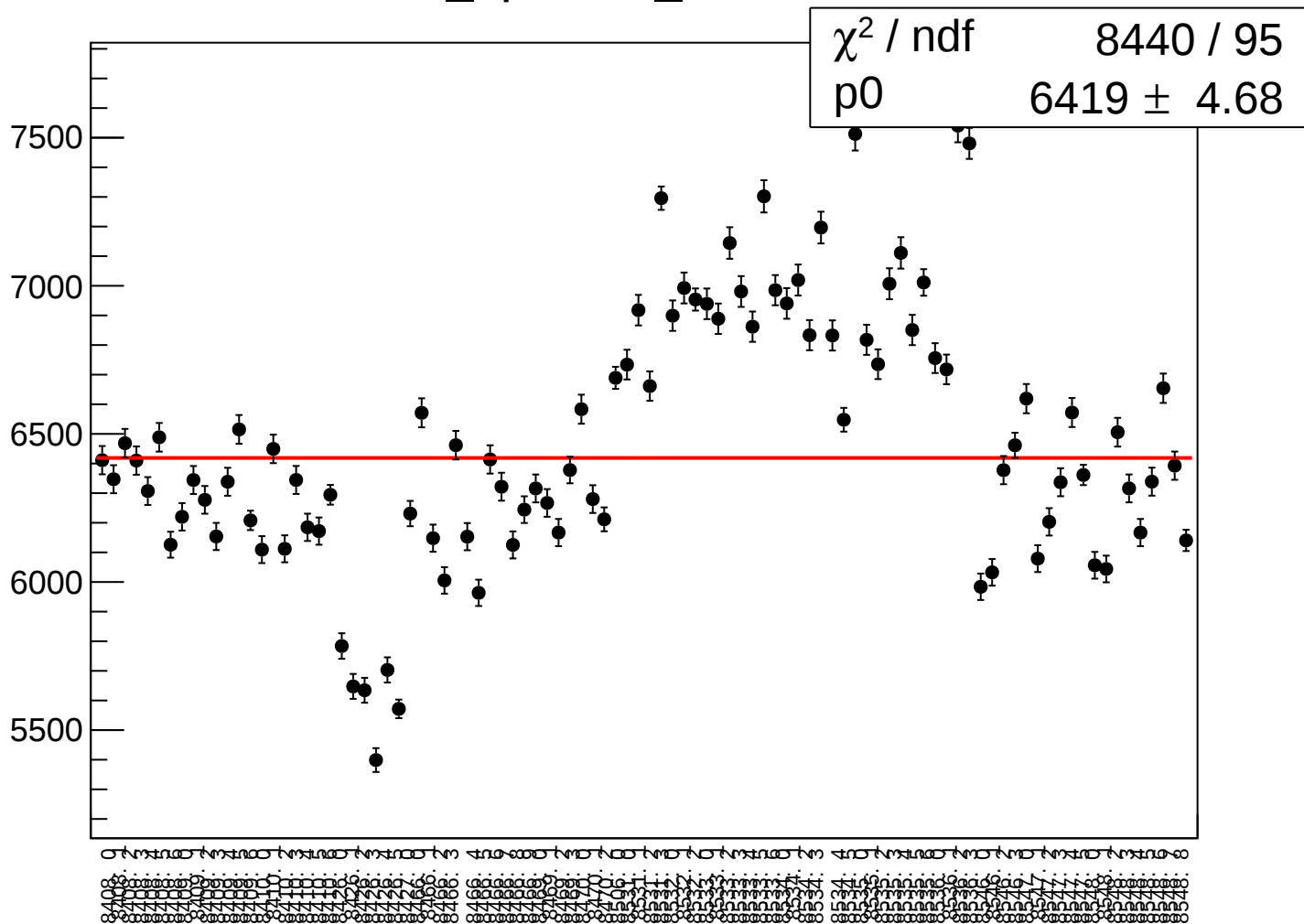
diff_bpm4aX_rms vs run



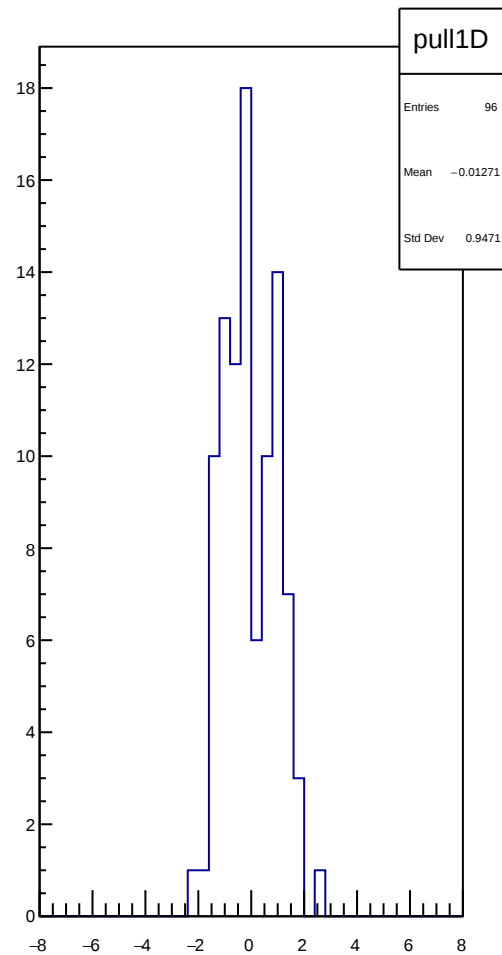
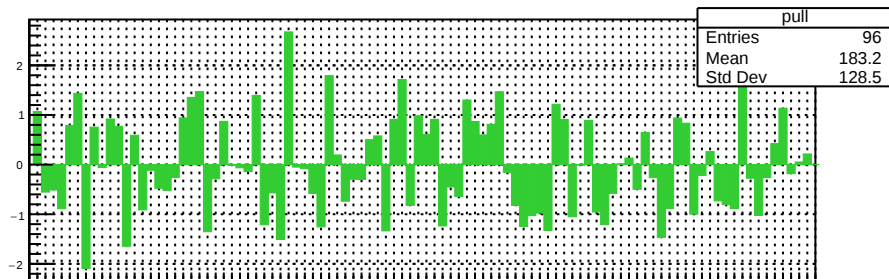
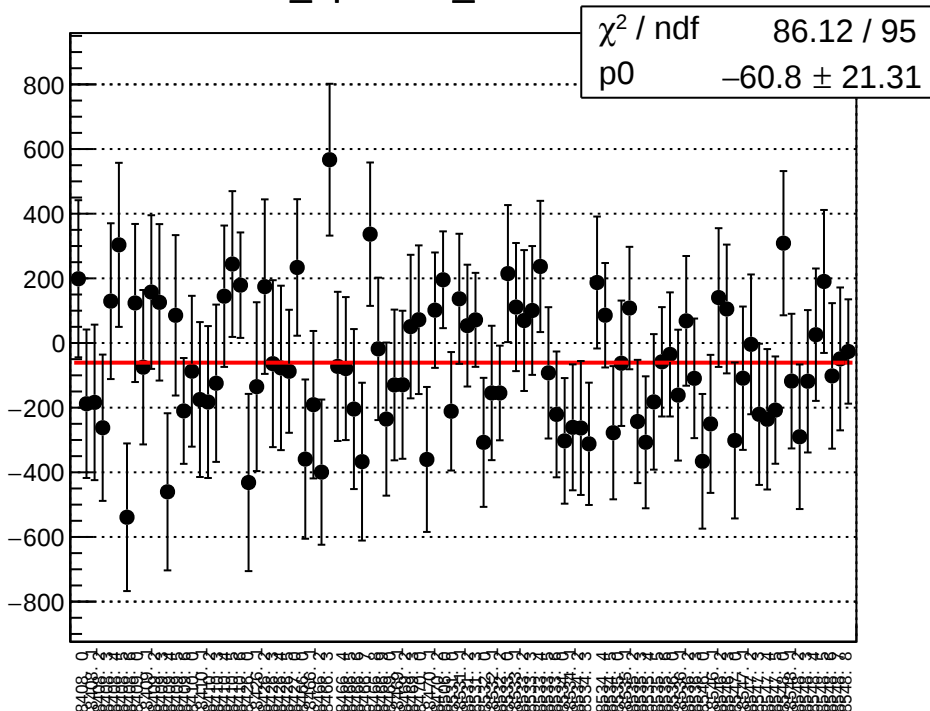
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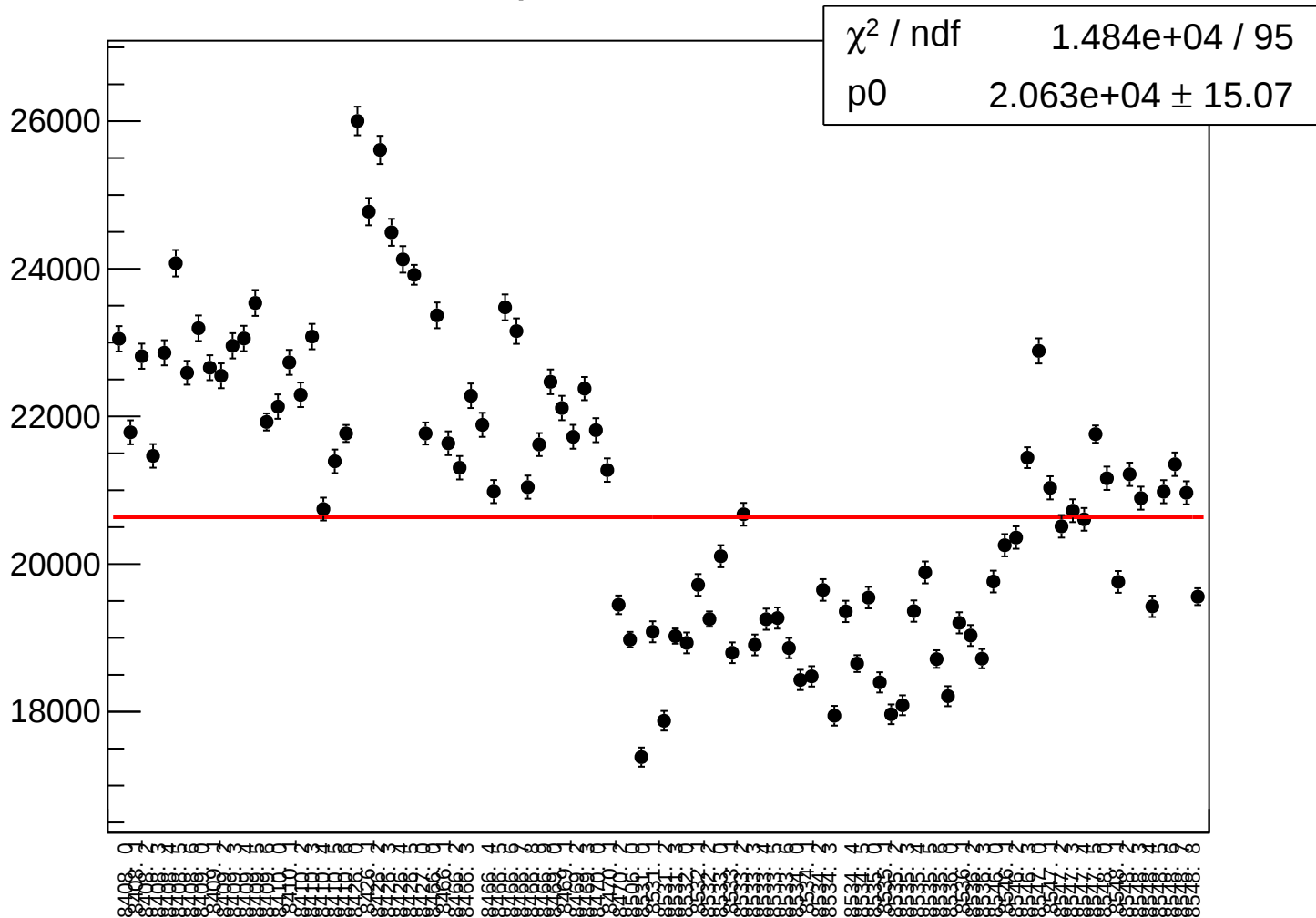
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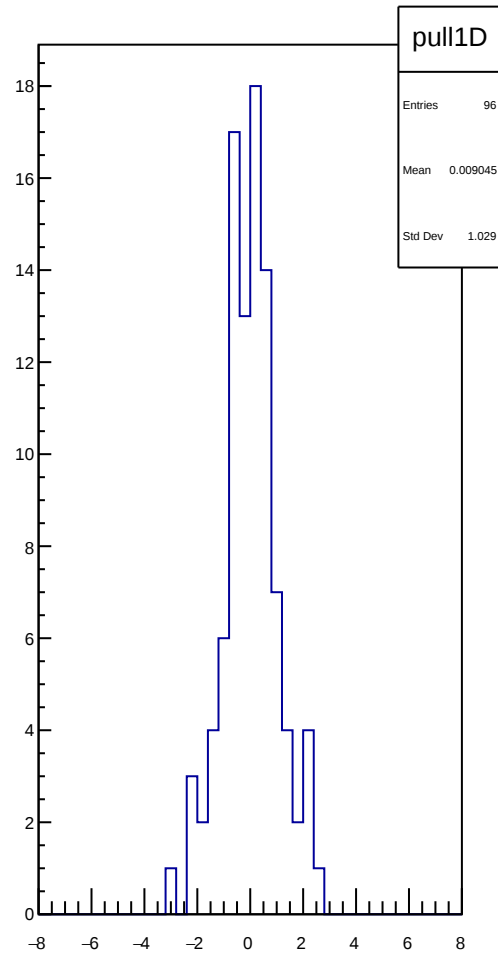
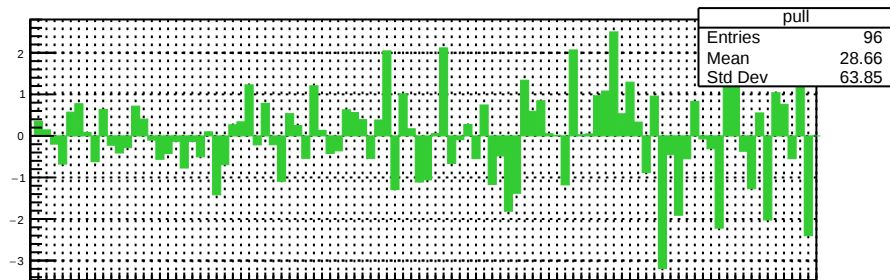
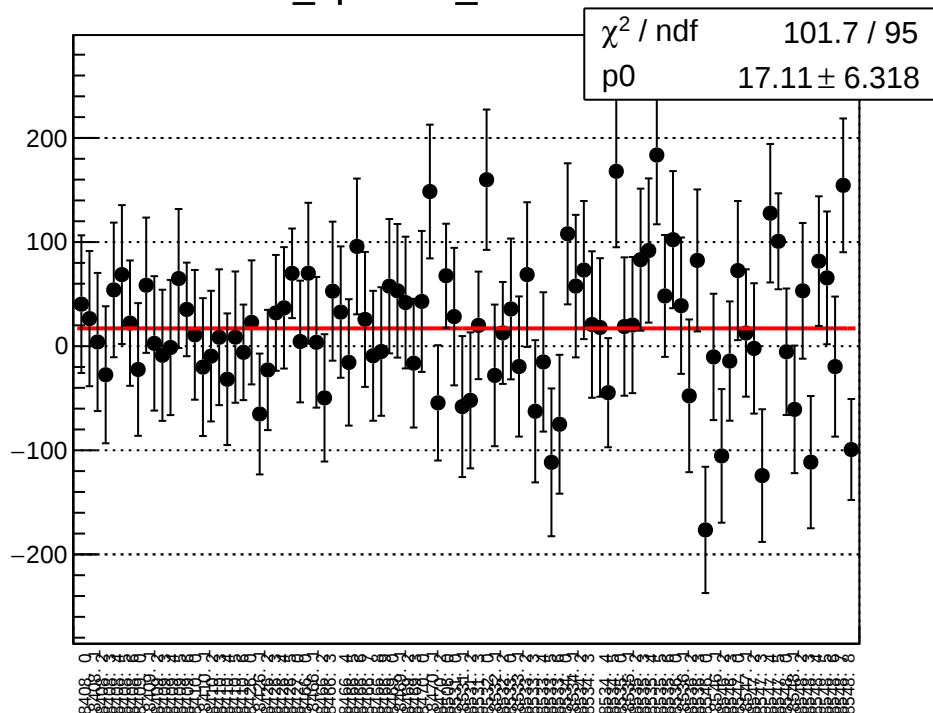
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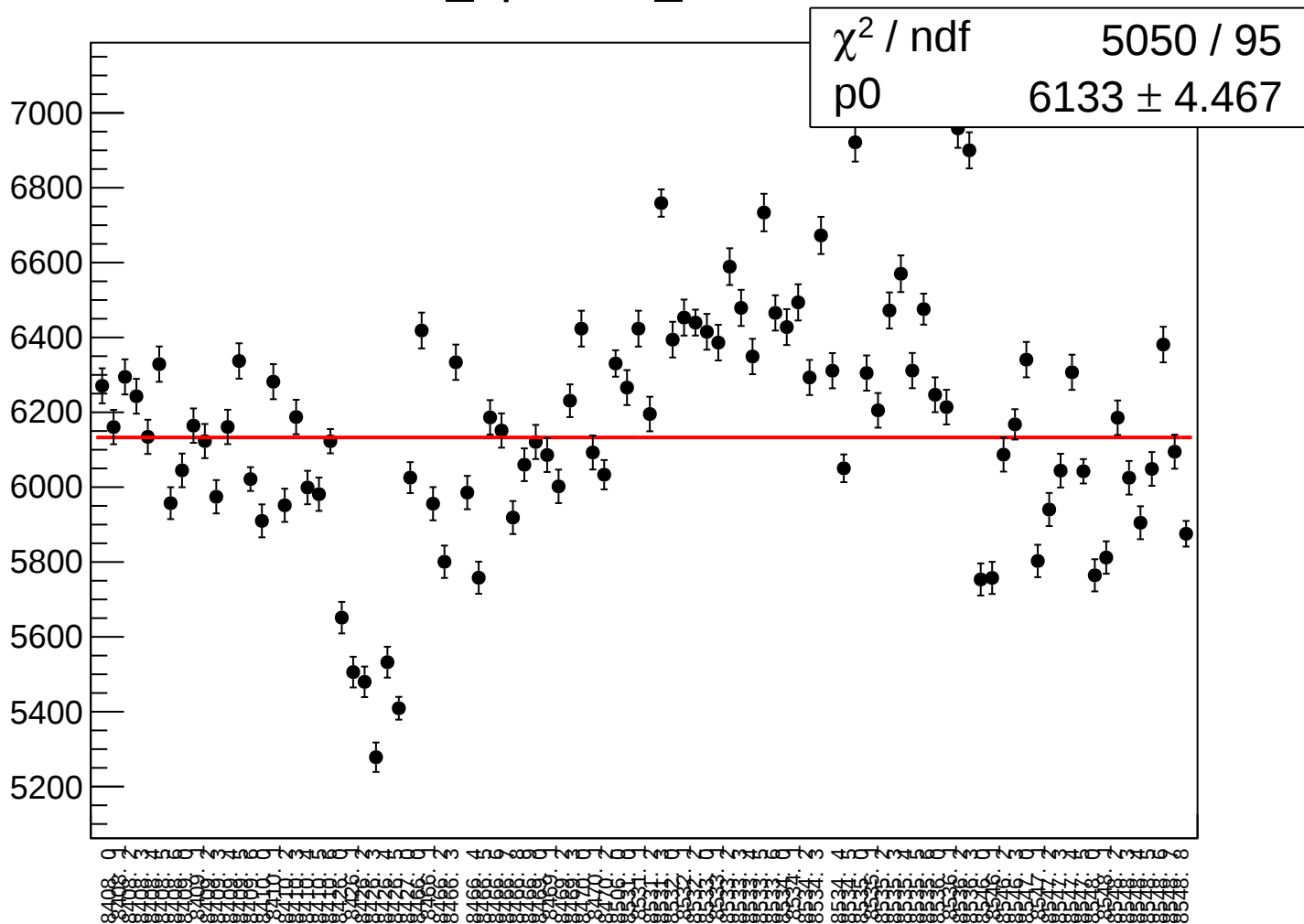
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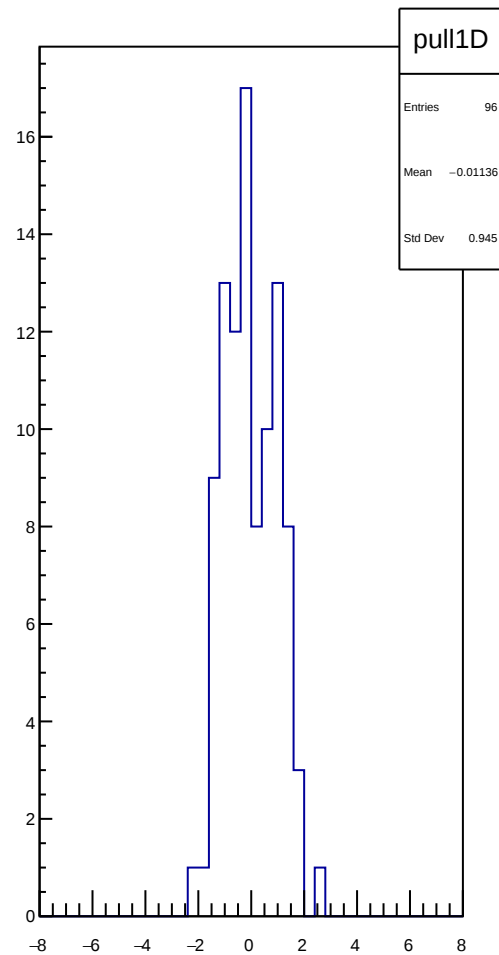
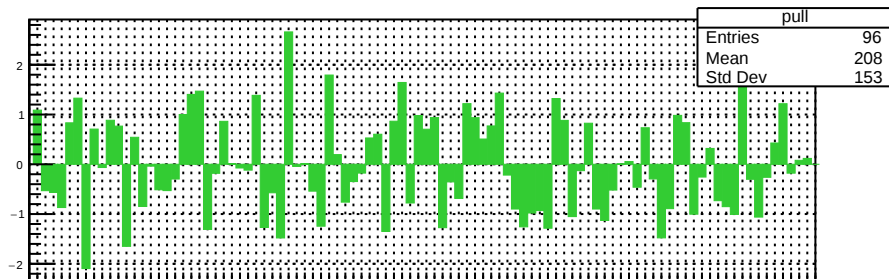
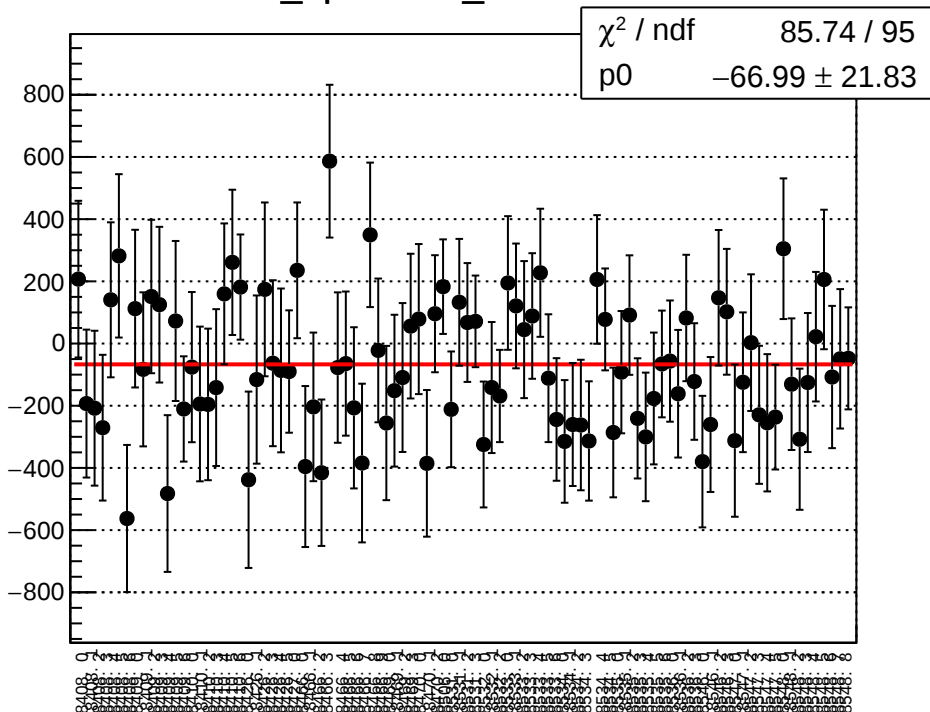
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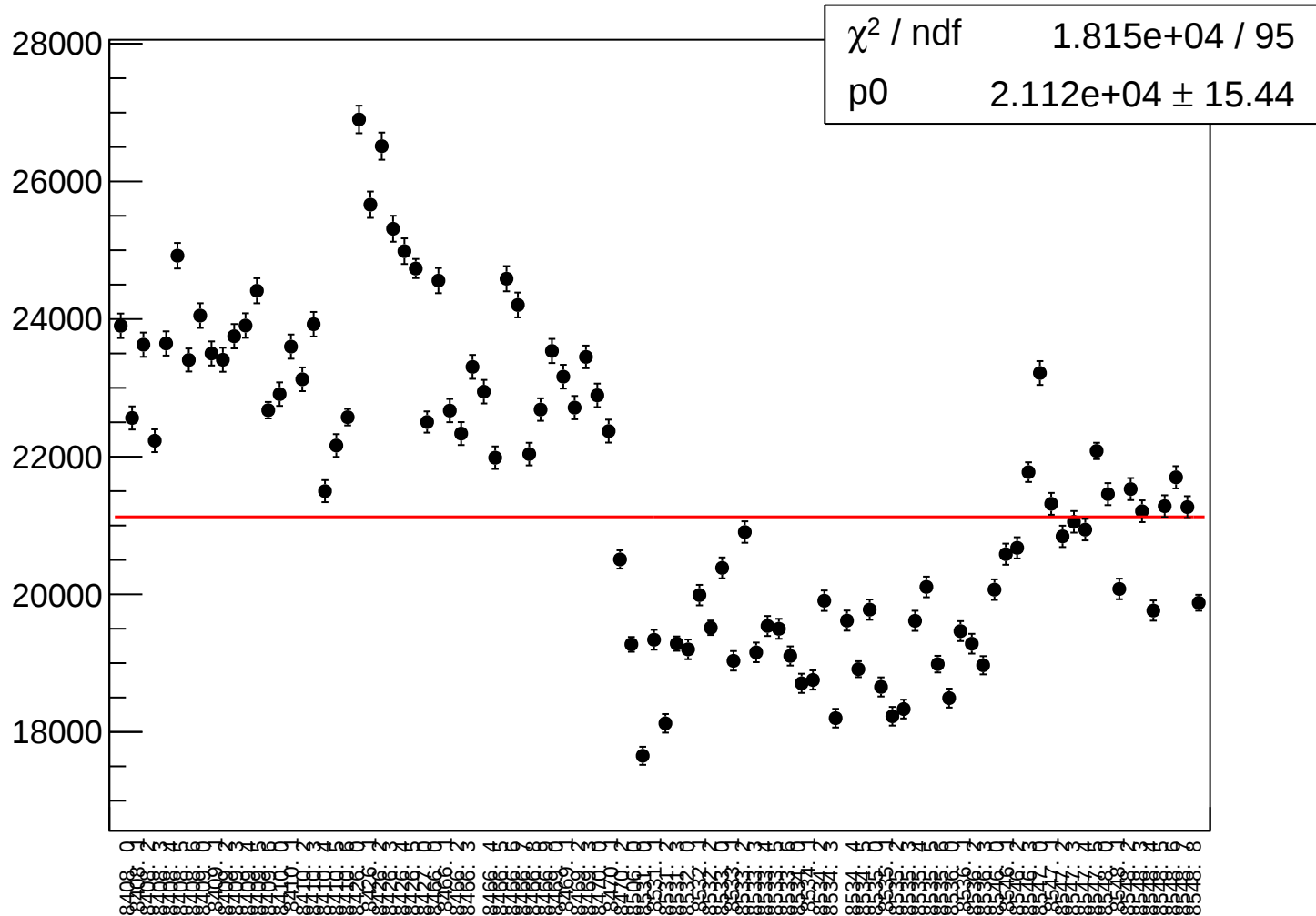
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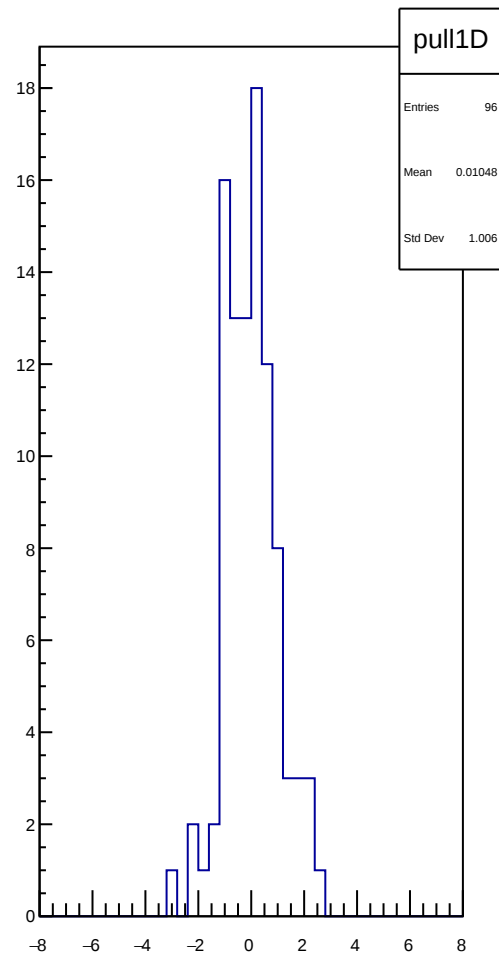
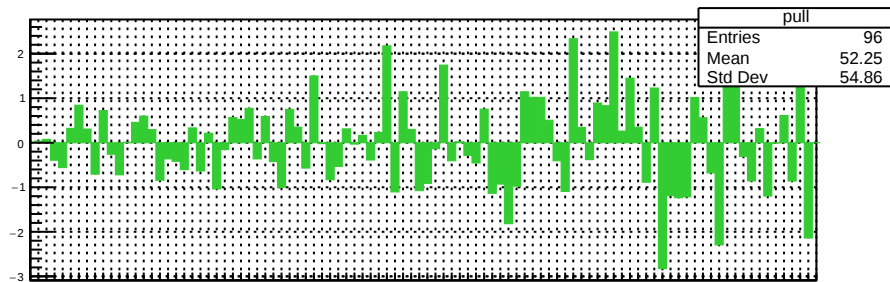
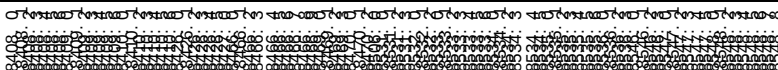
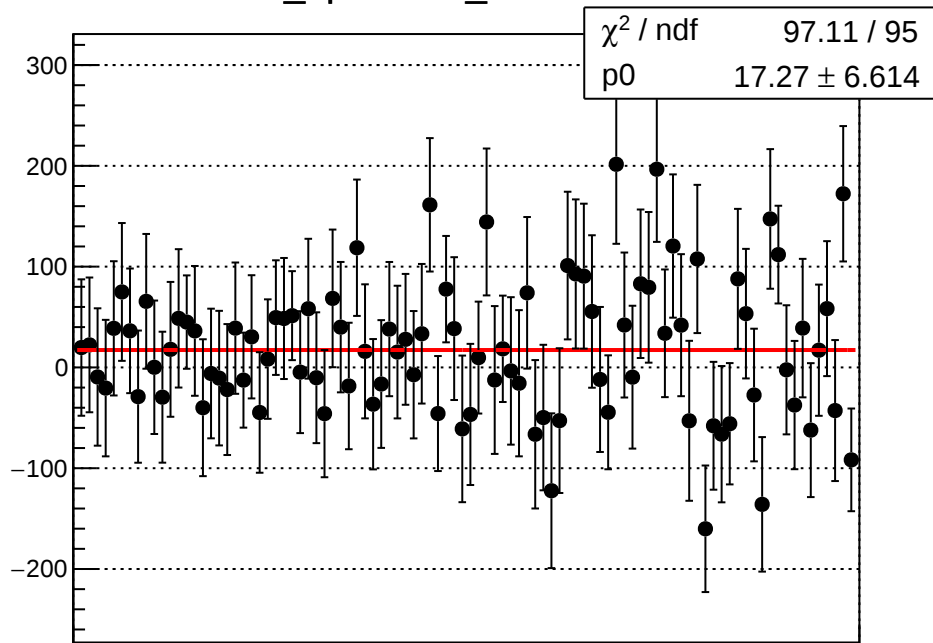
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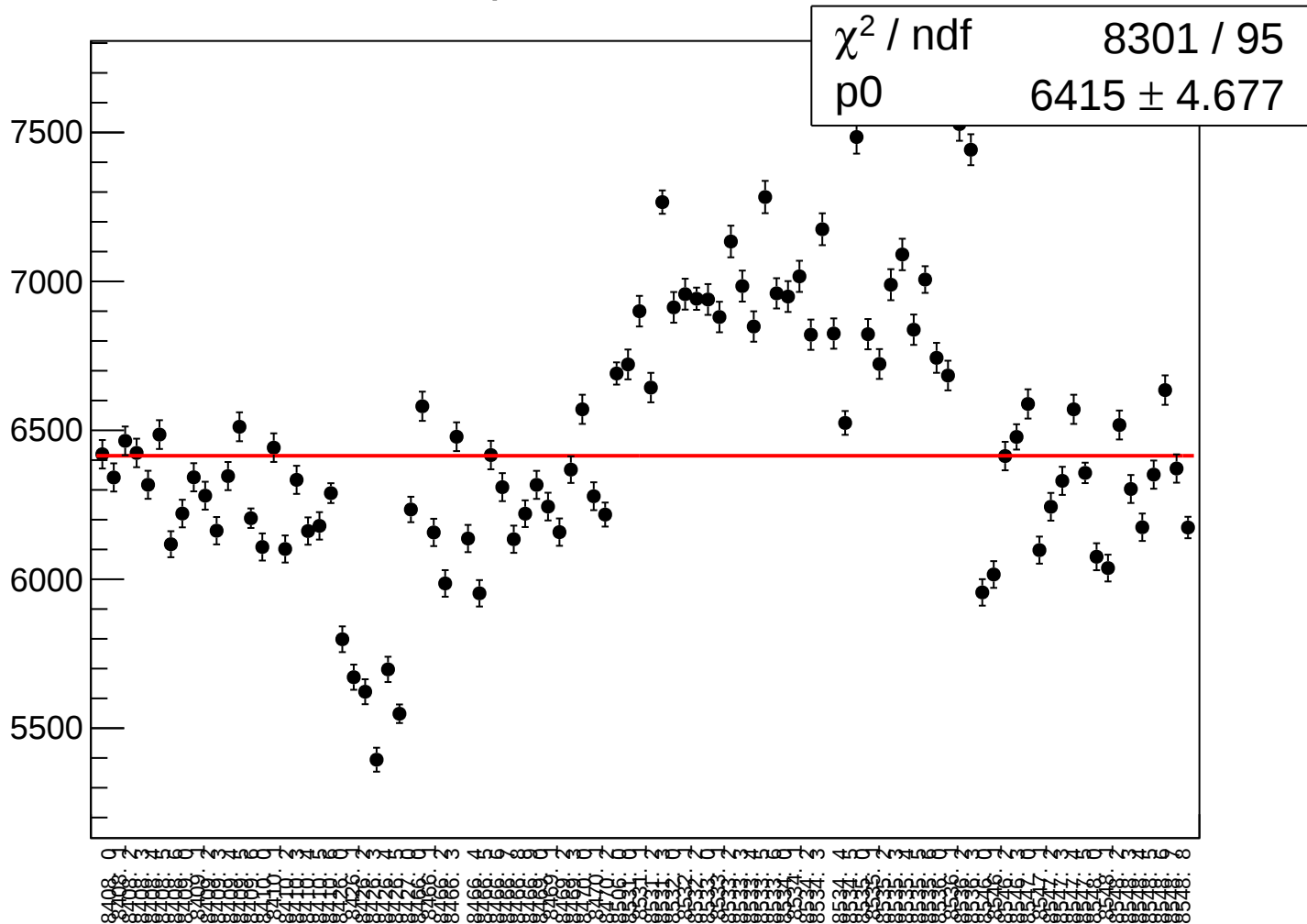
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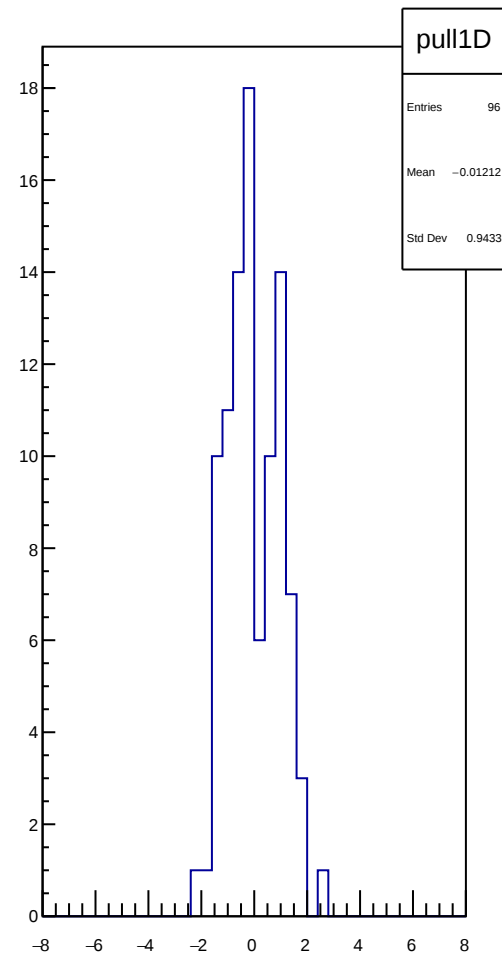
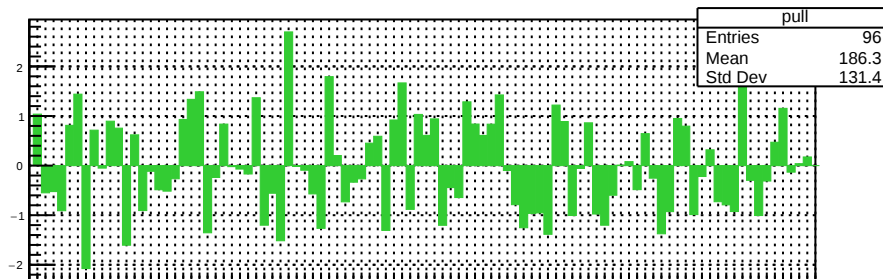
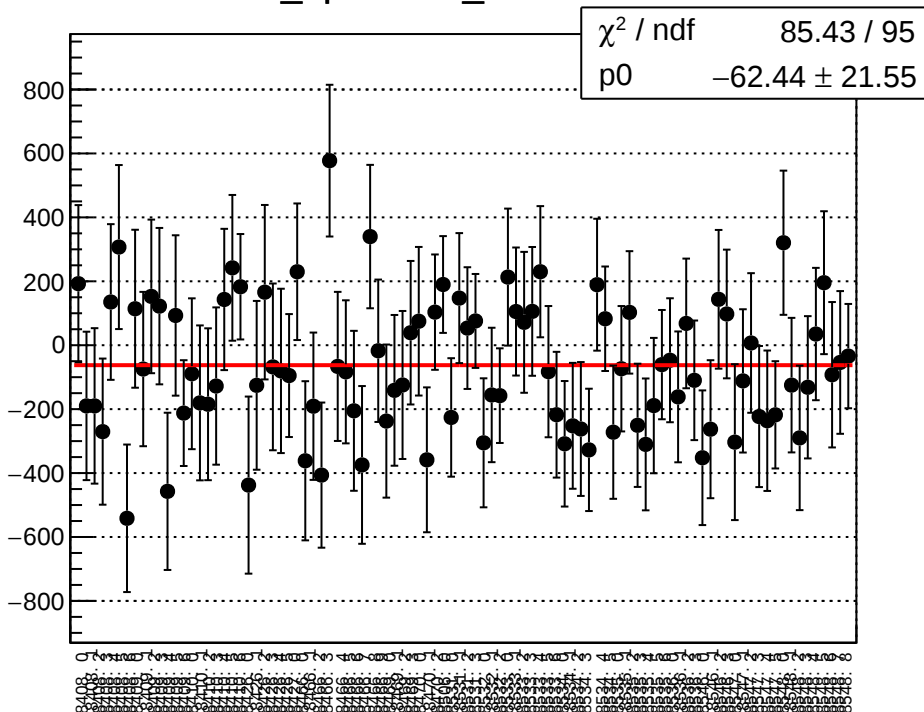
diff_bpm4acY_mean vs run



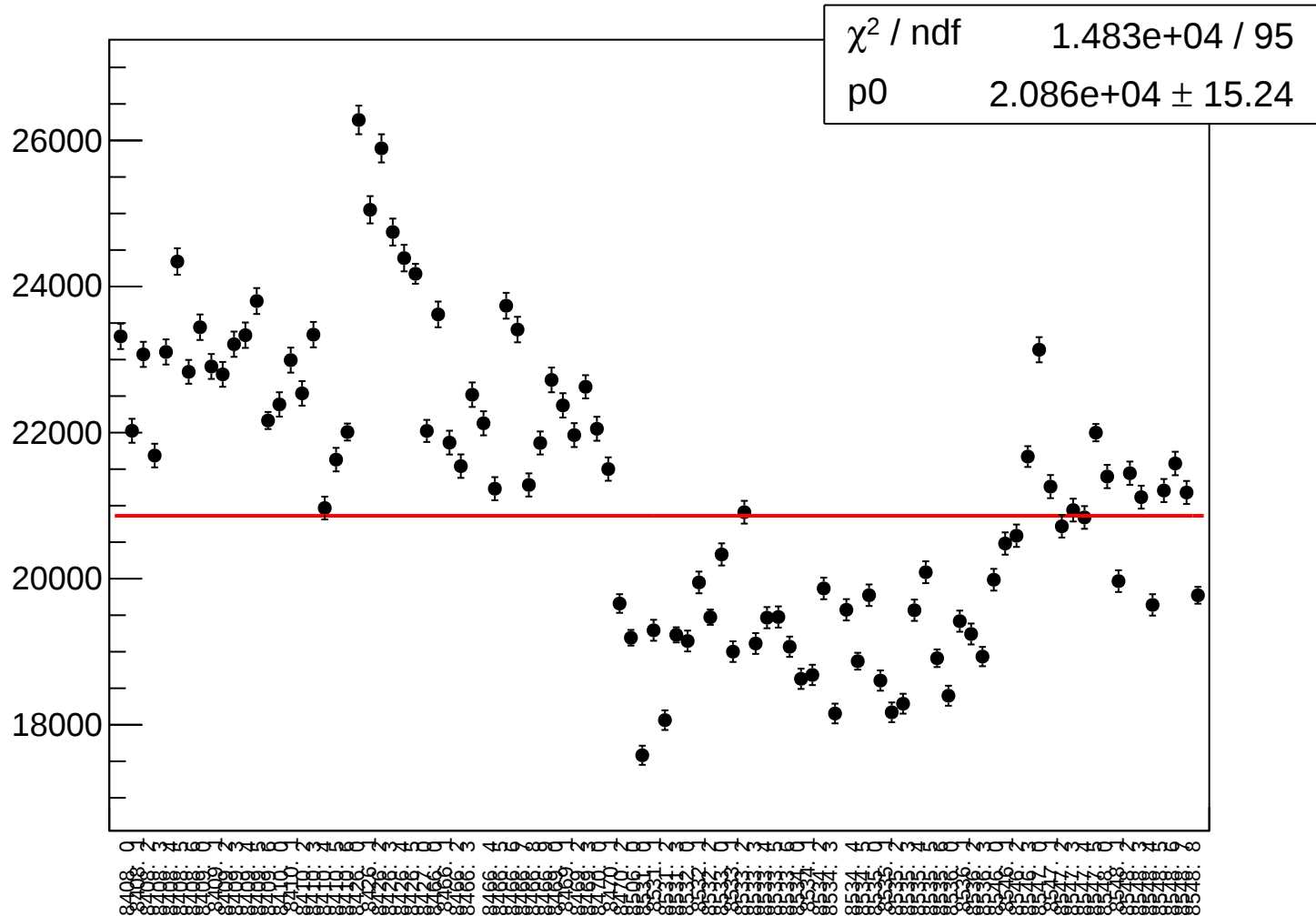
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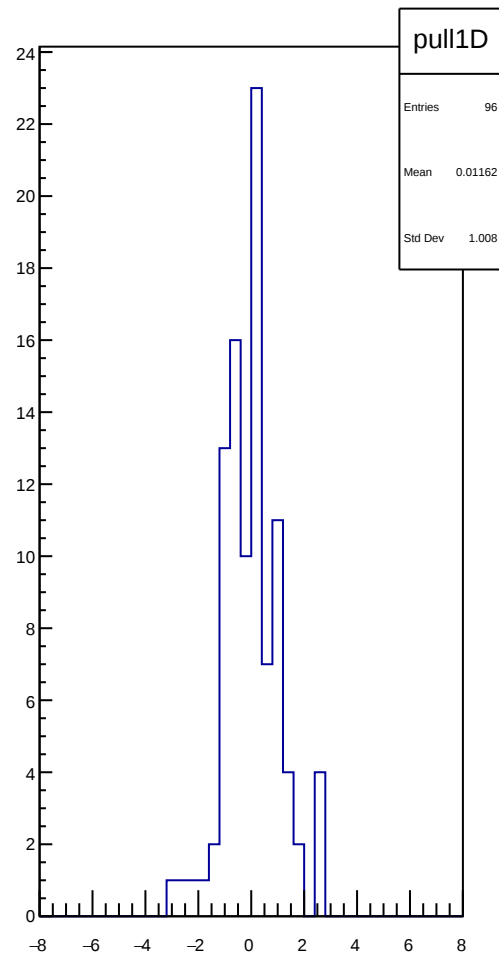
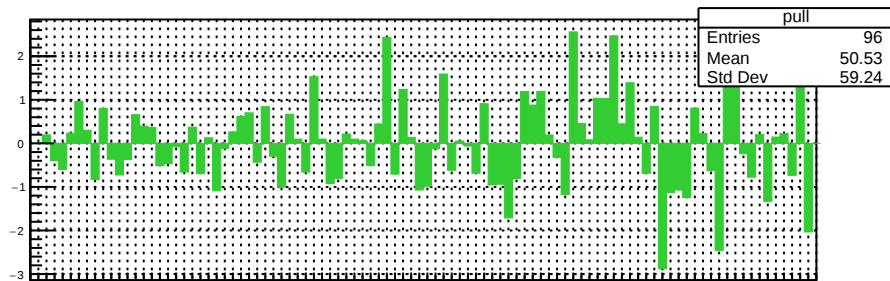
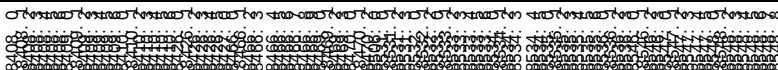
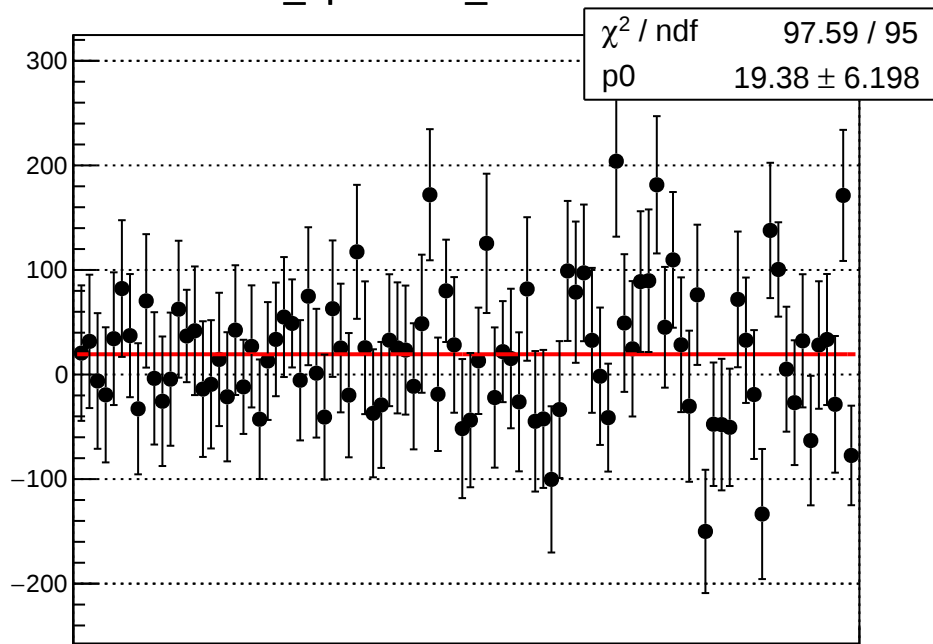
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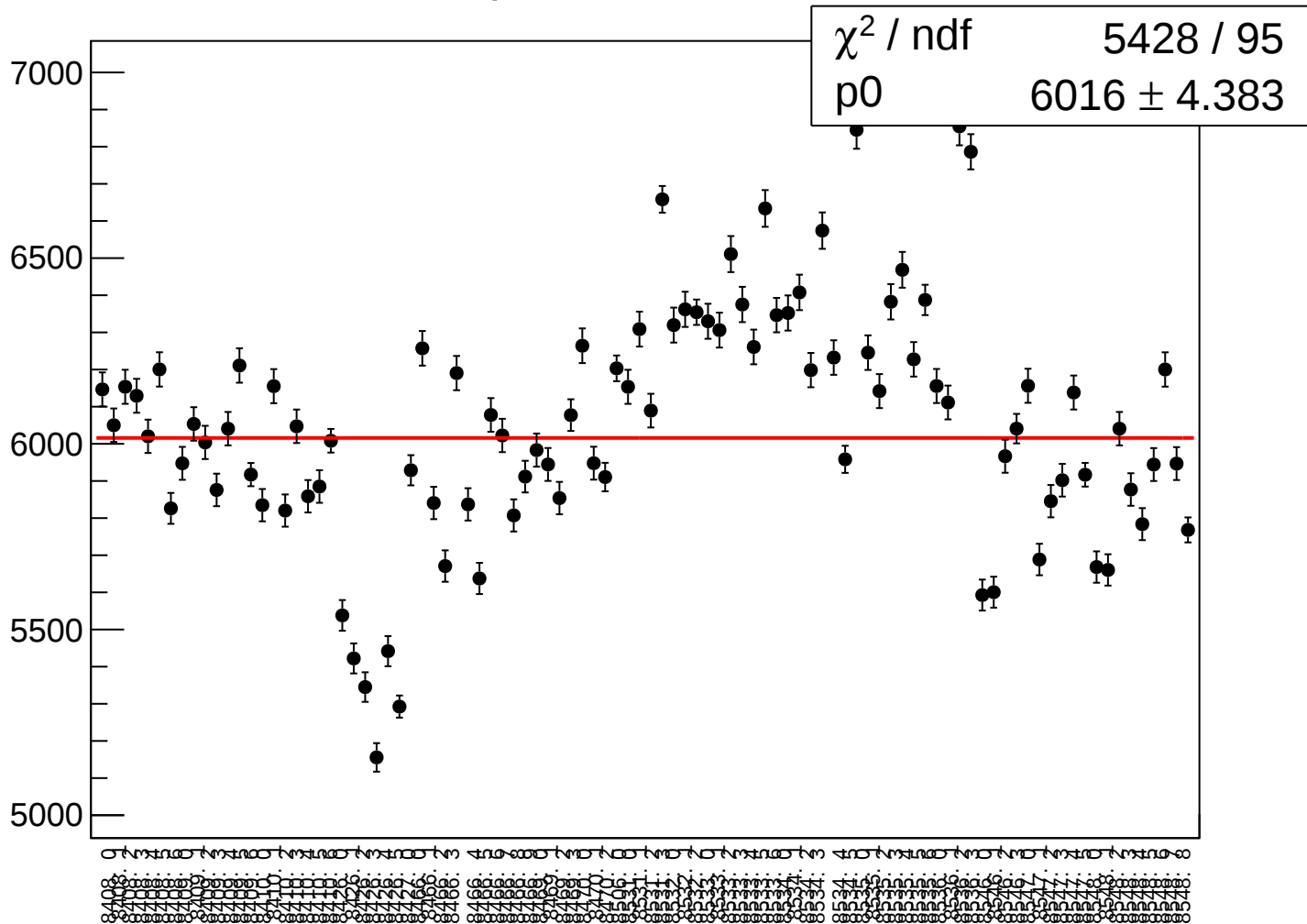
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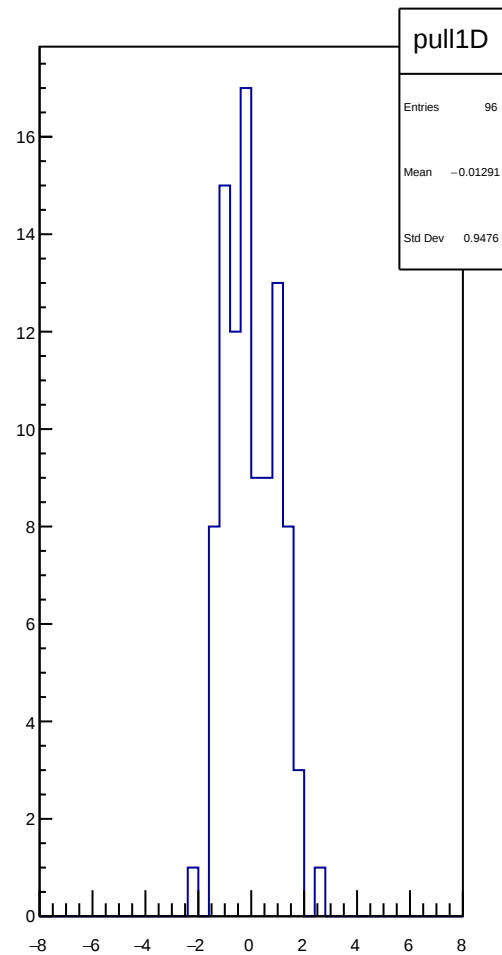
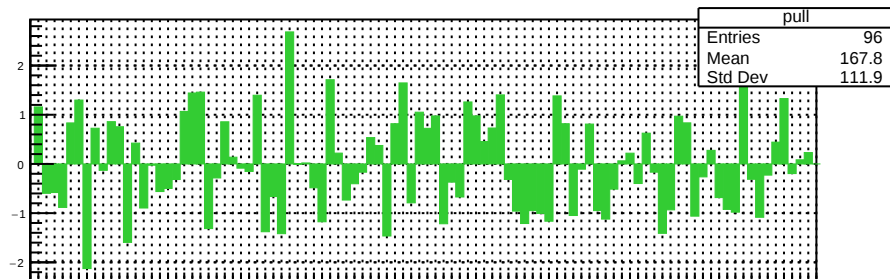
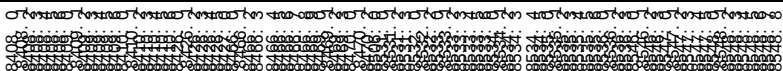
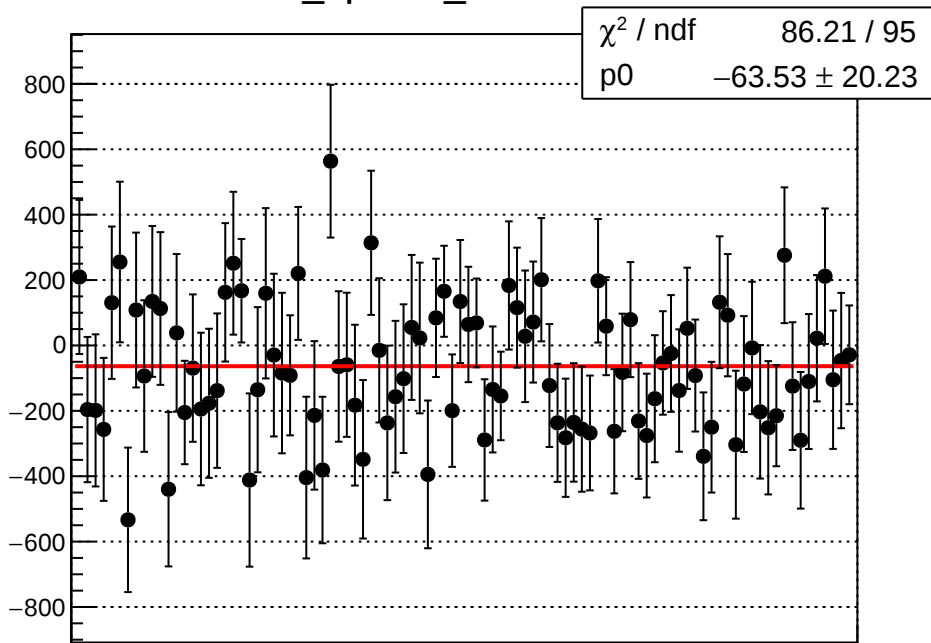
diff_bpm4ecY_mean vs run



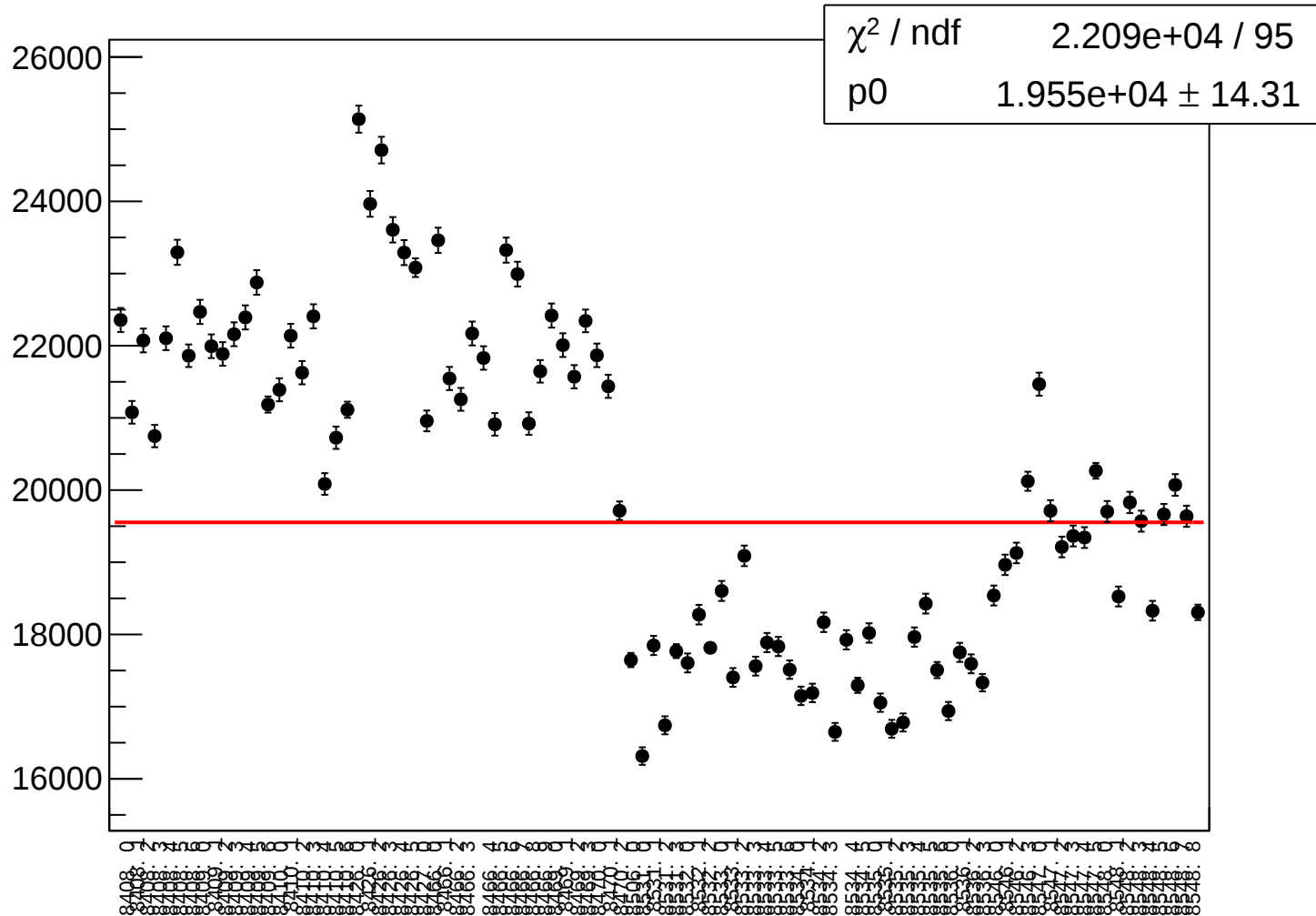
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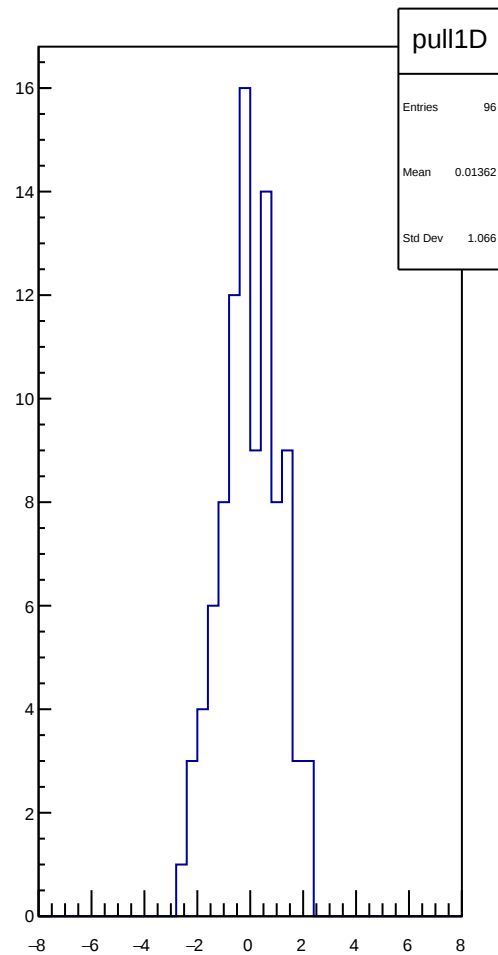
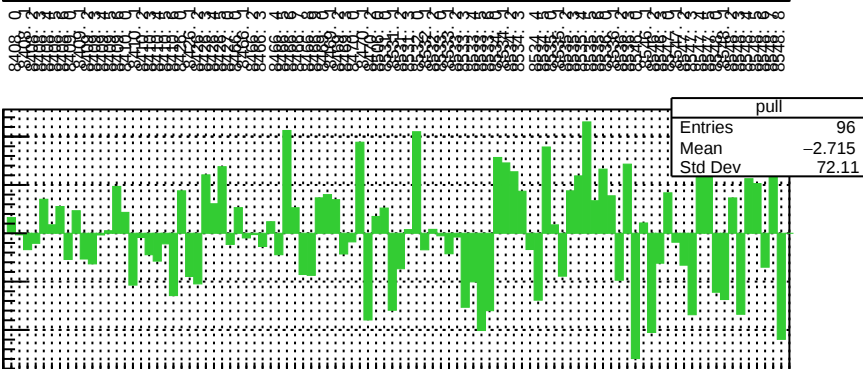
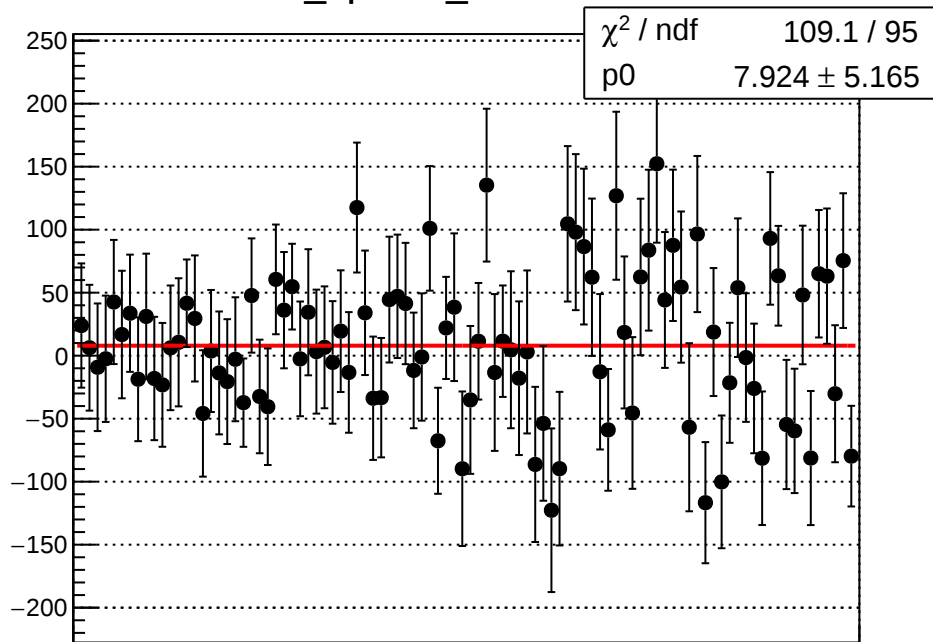
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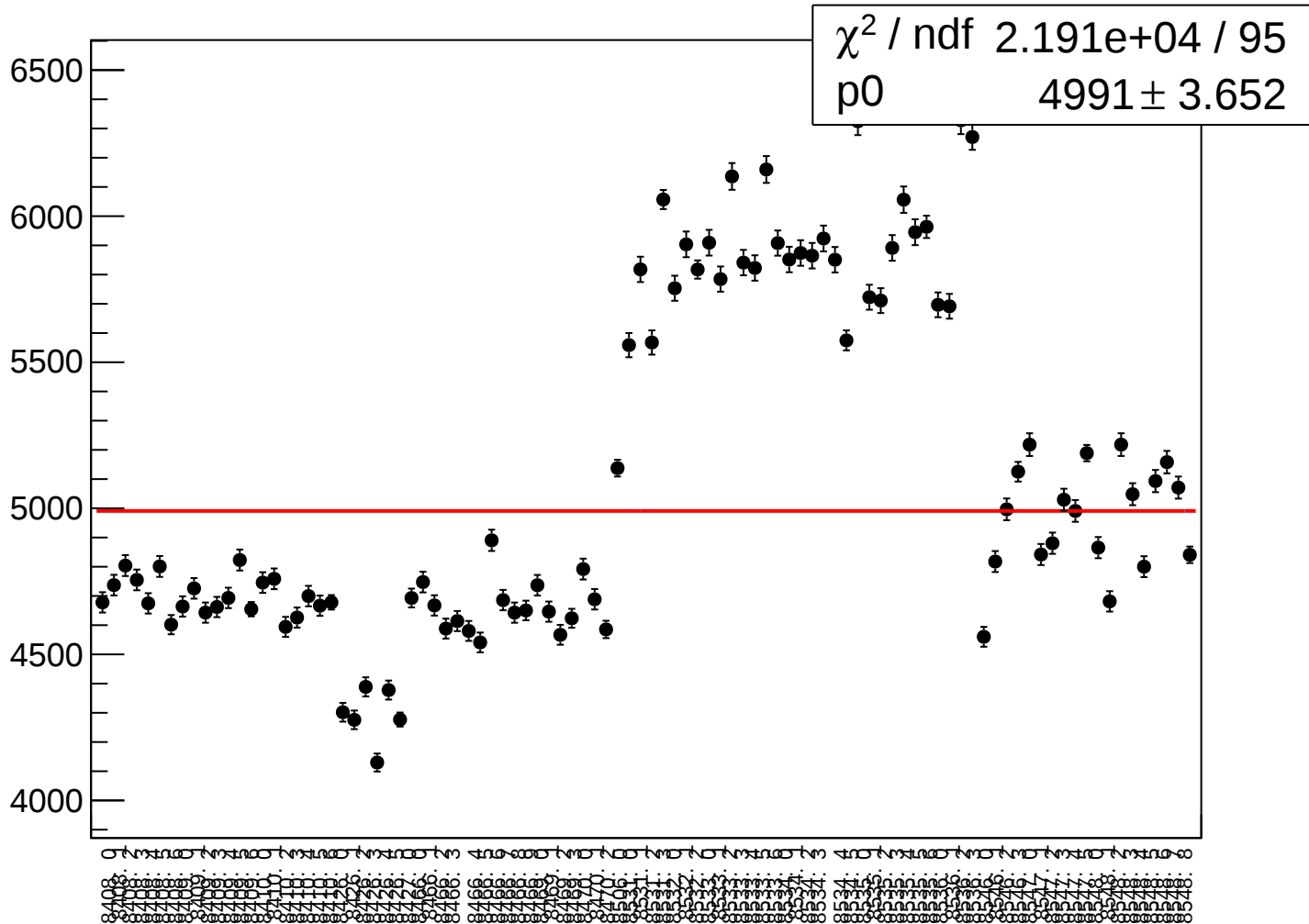
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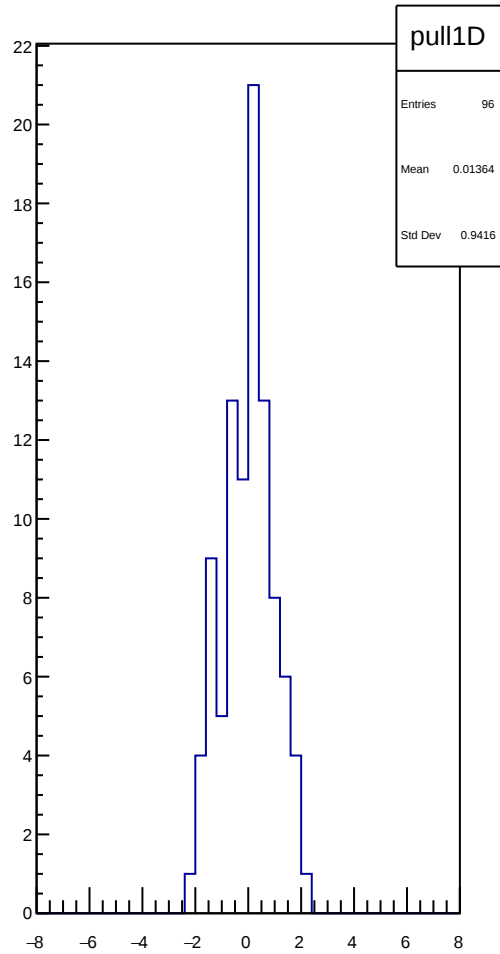
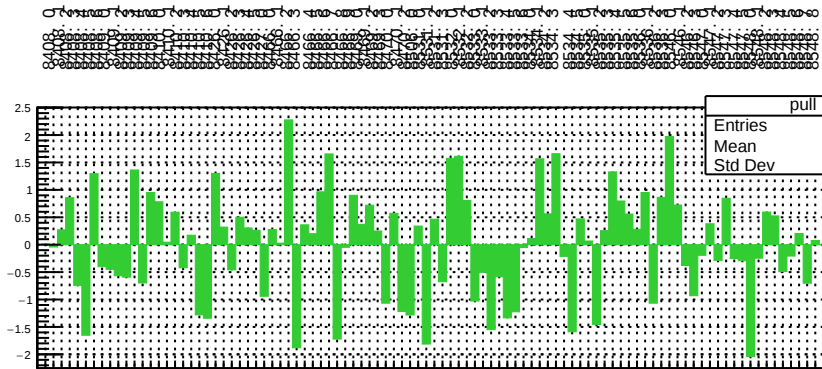
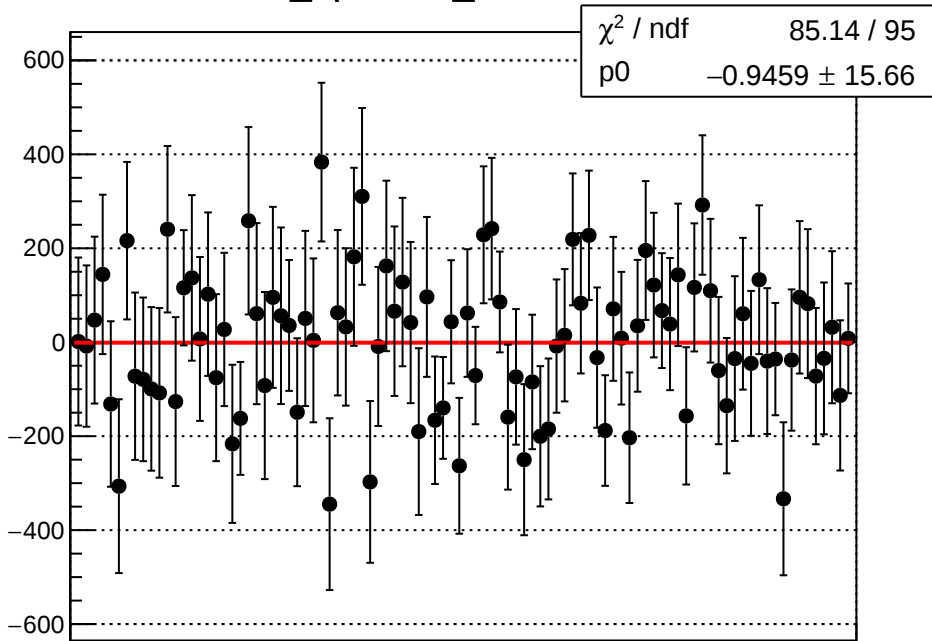
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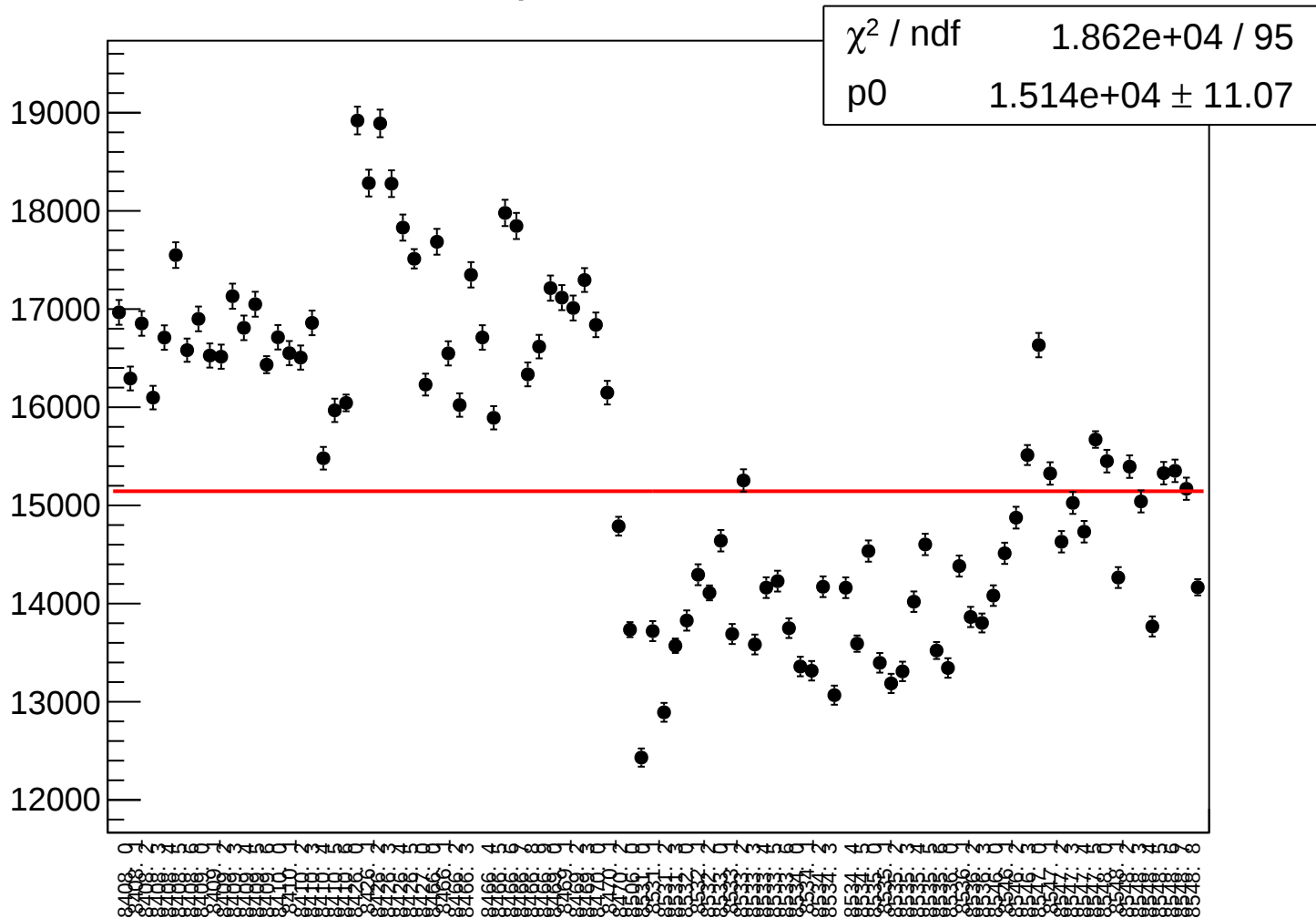
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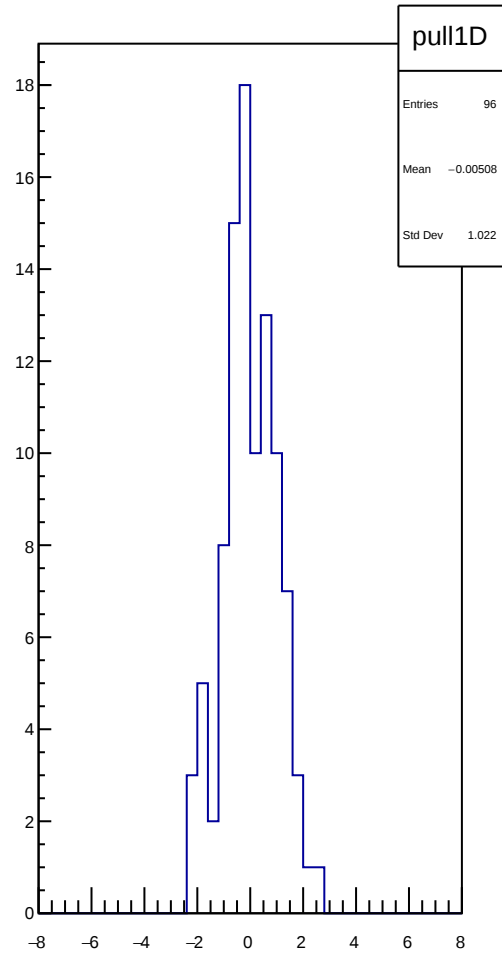
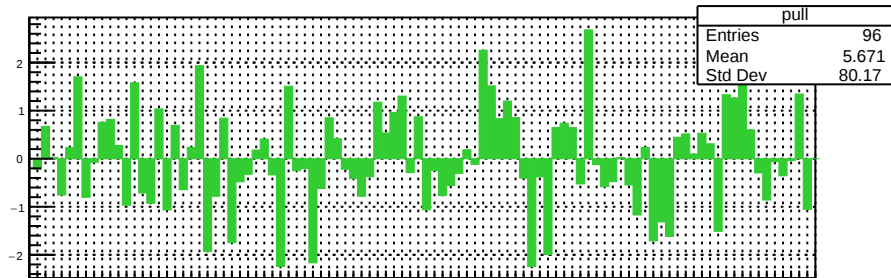
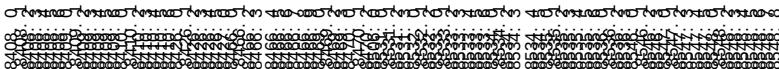
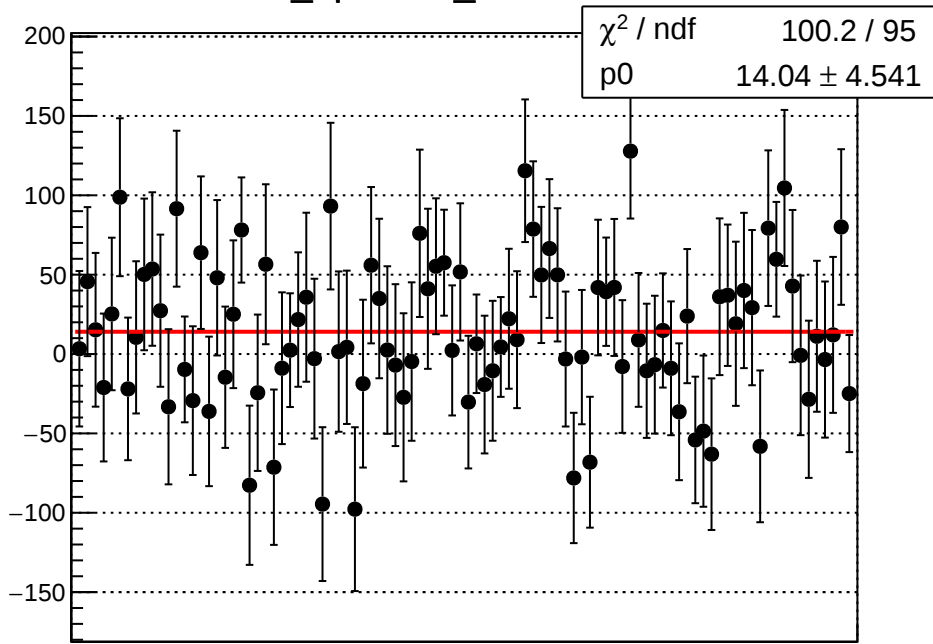
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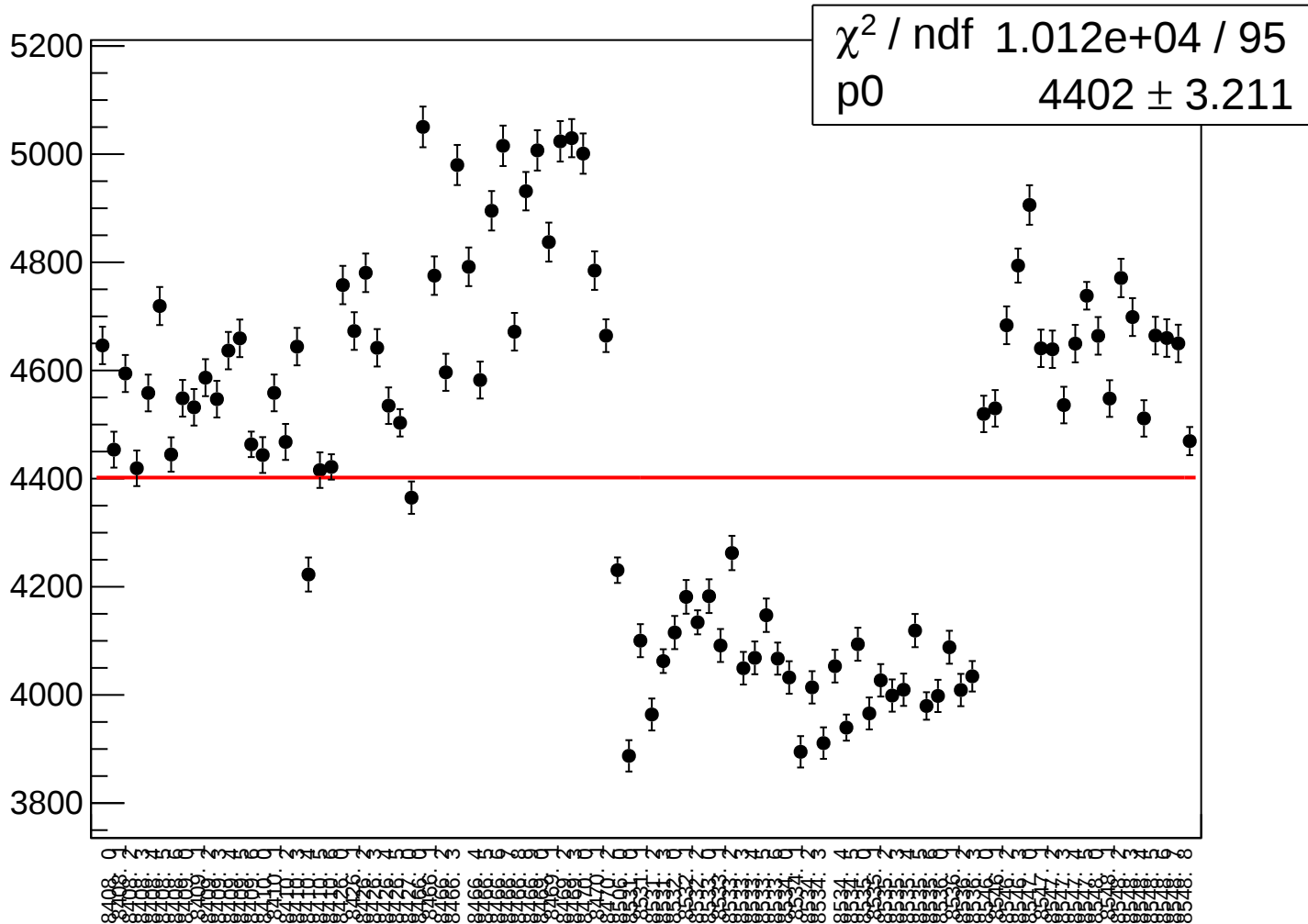
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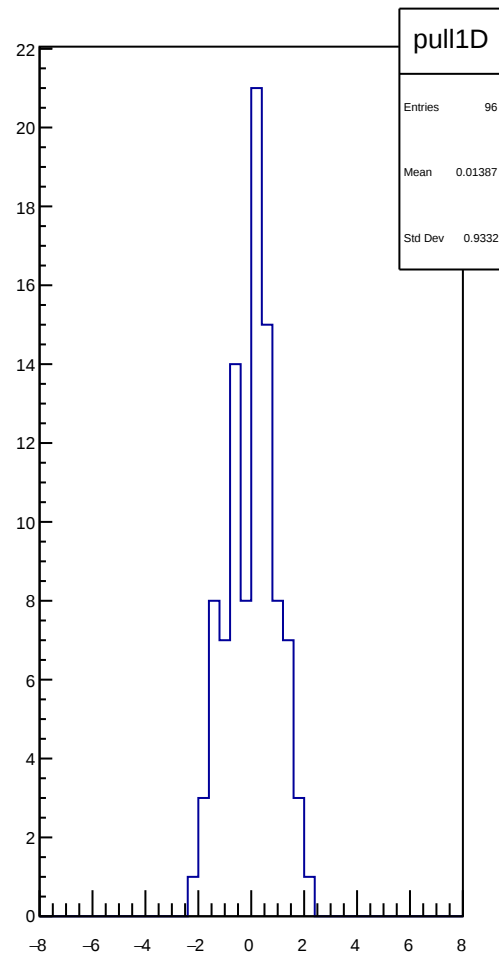
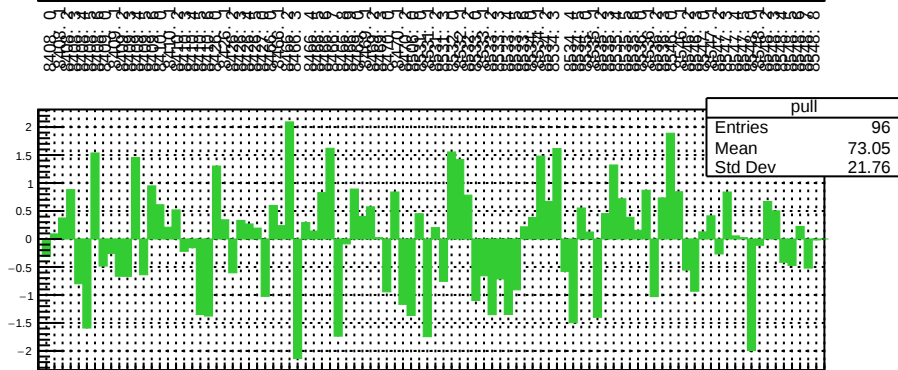
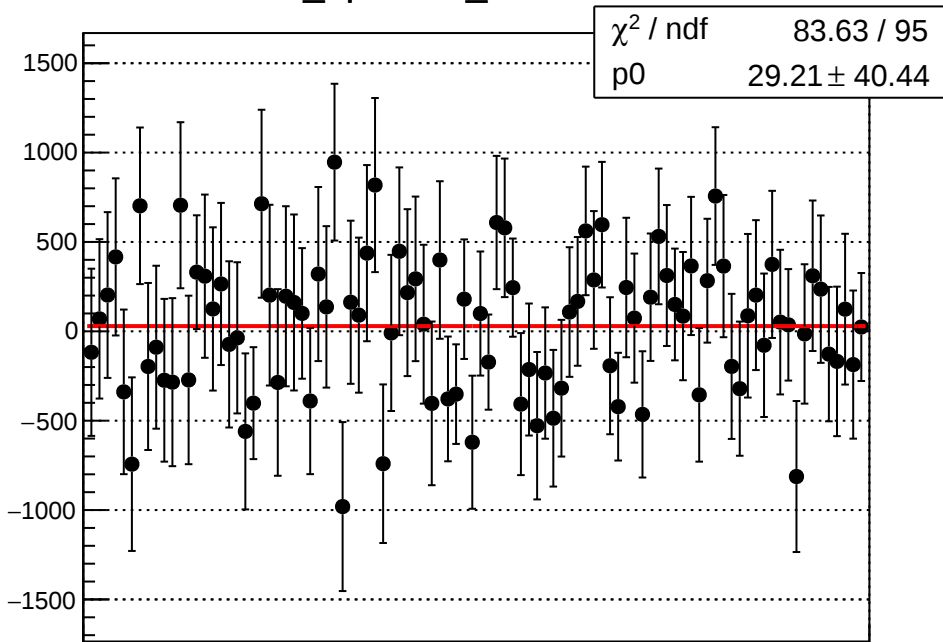
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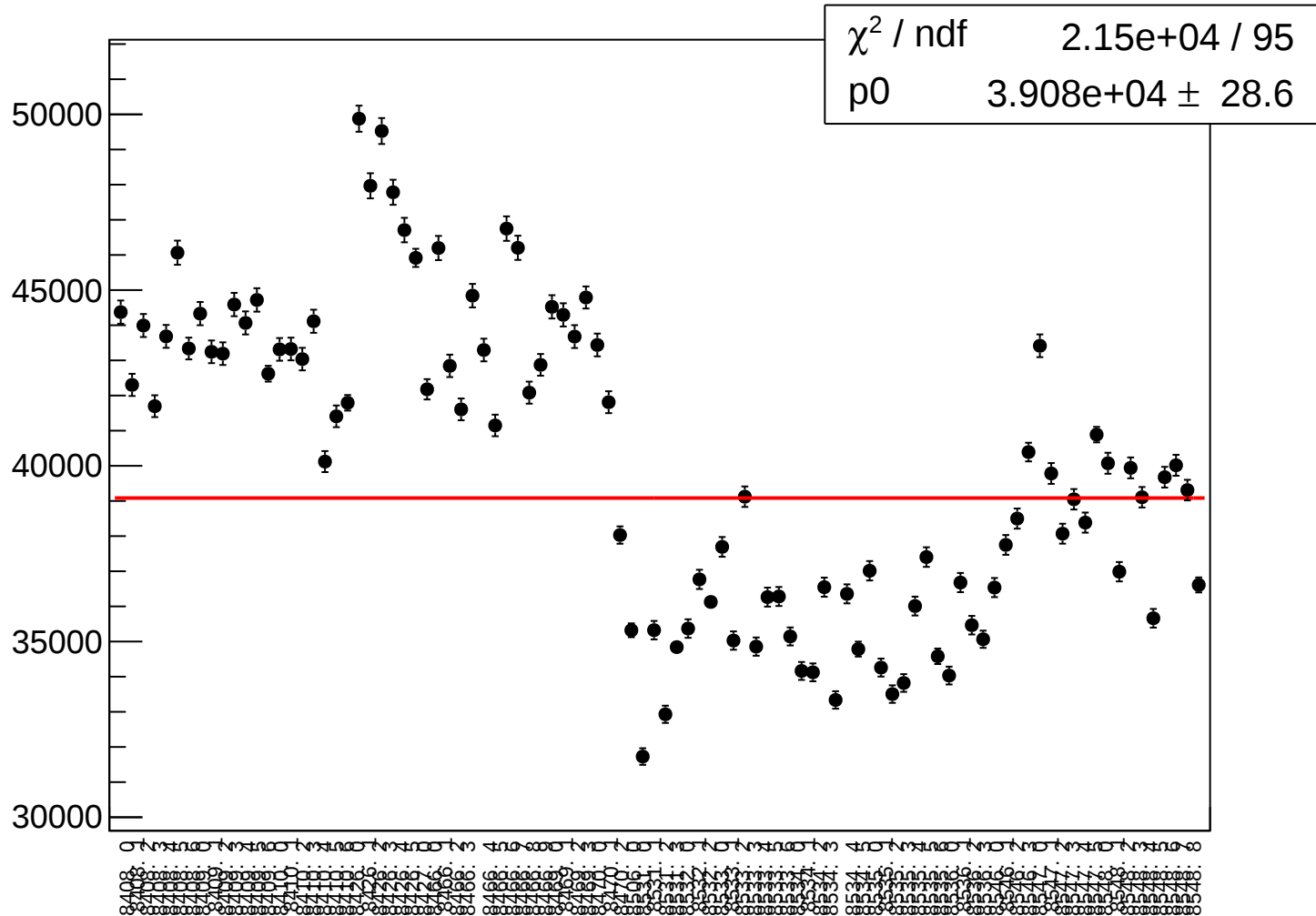
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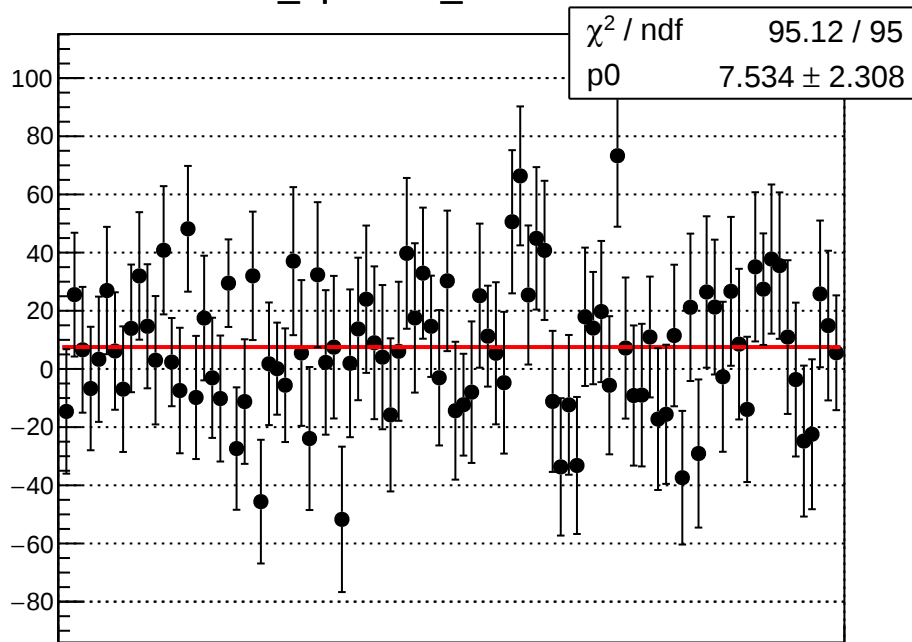
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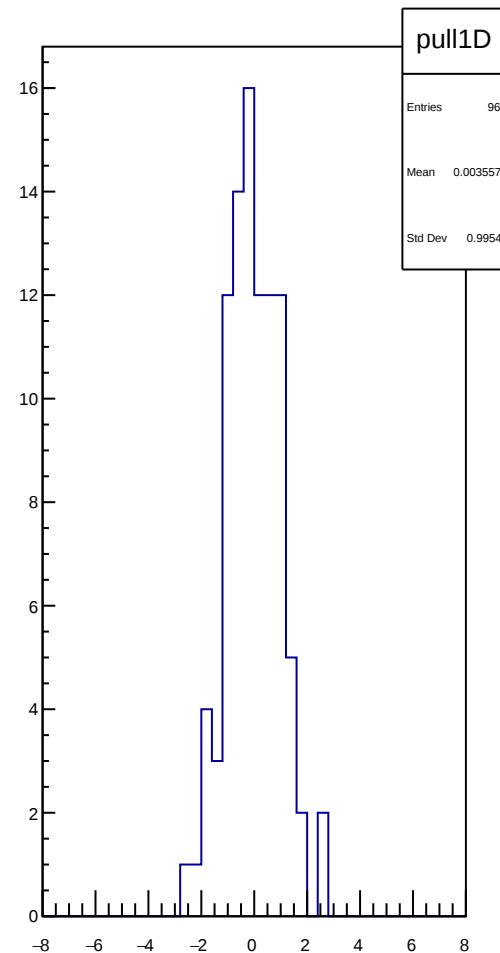
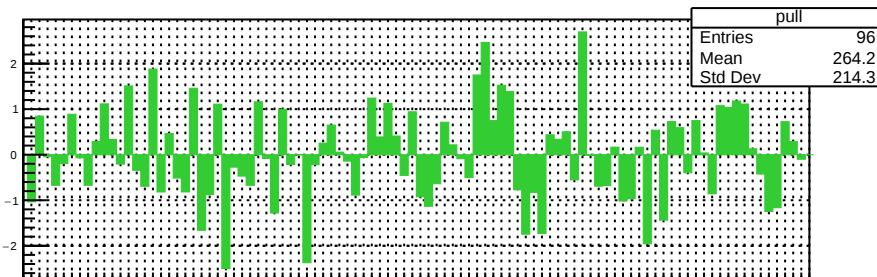
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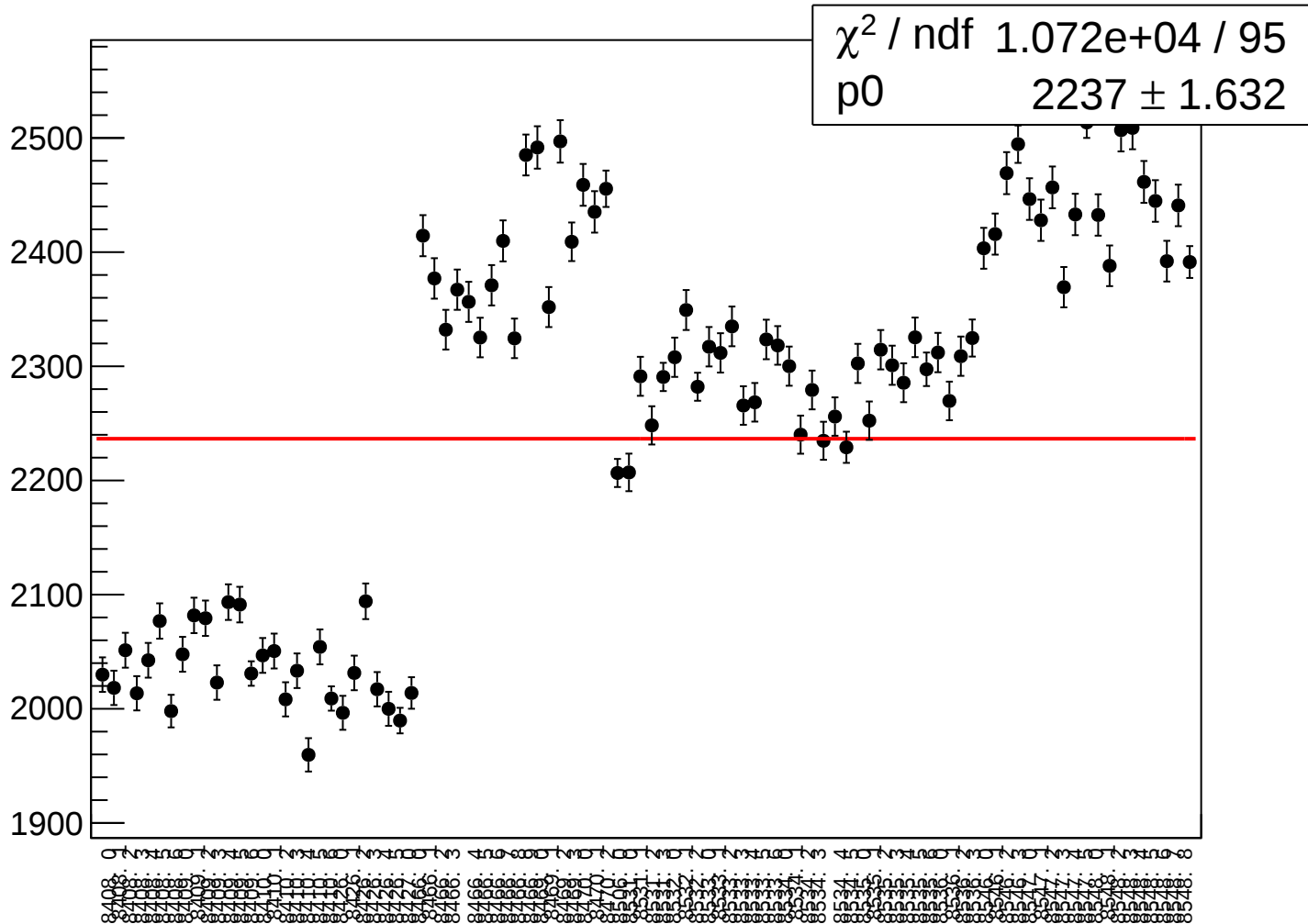
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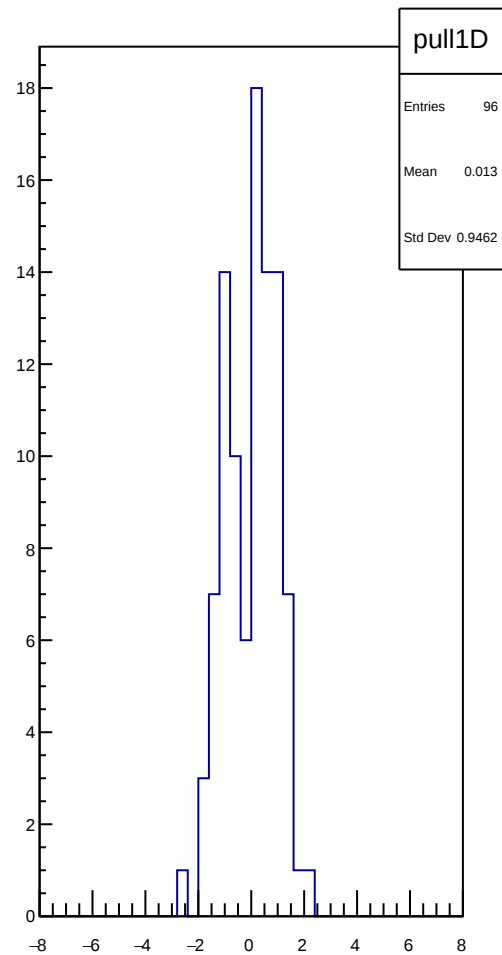
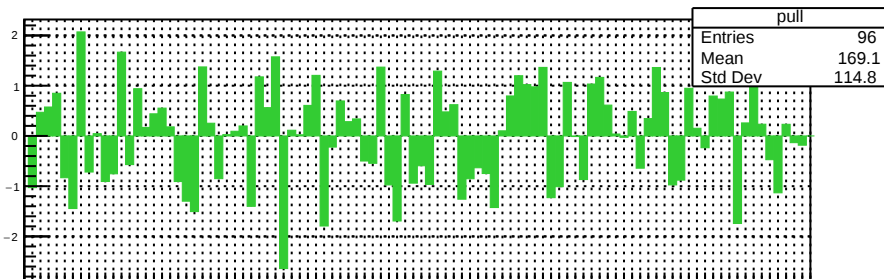
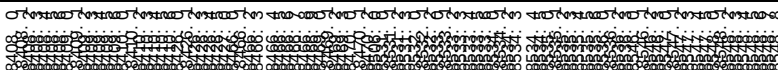
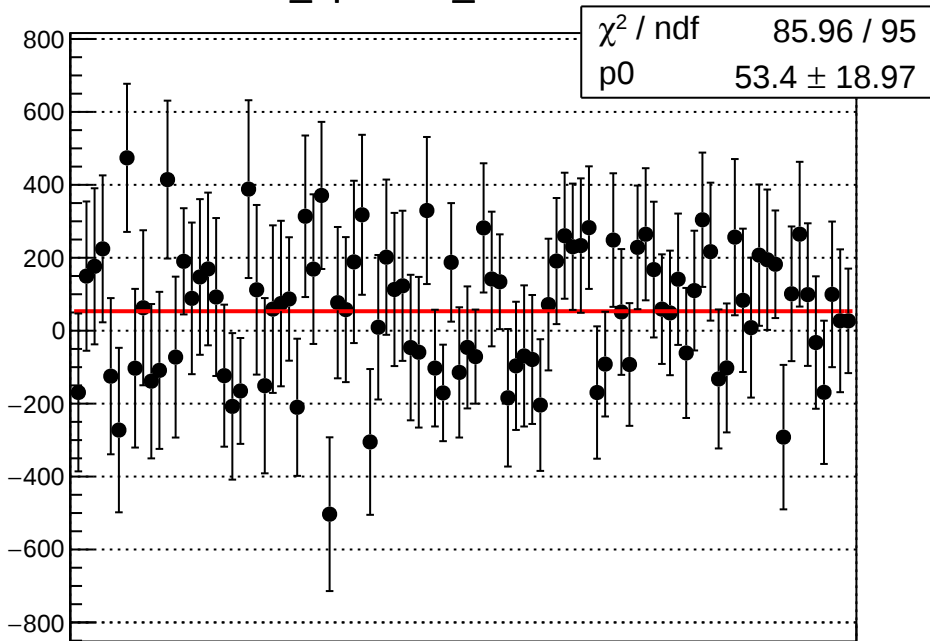
Correlation Coefficient: 0.003557
 Mean: 0.003557
 Std Dev: 0.9954



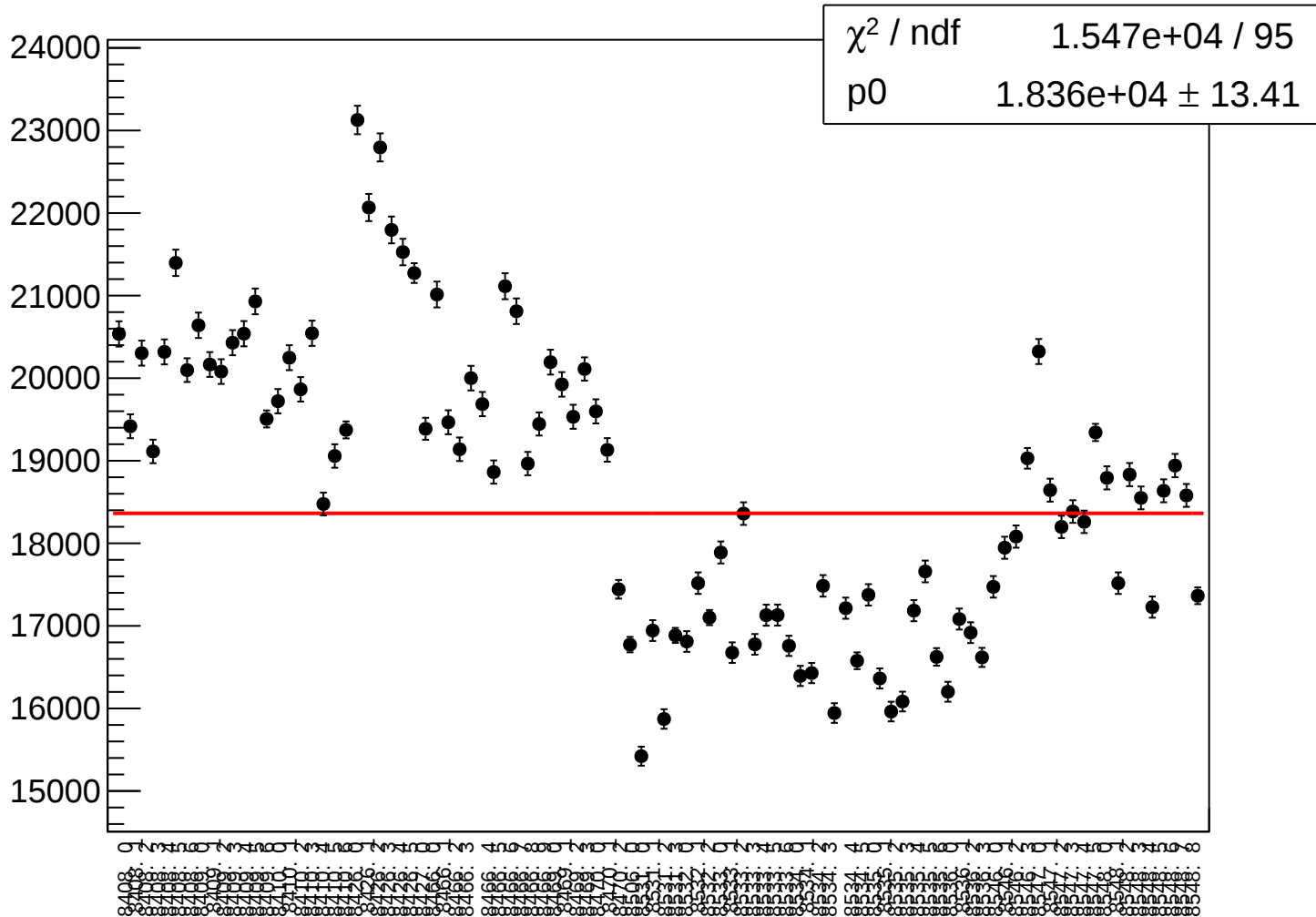
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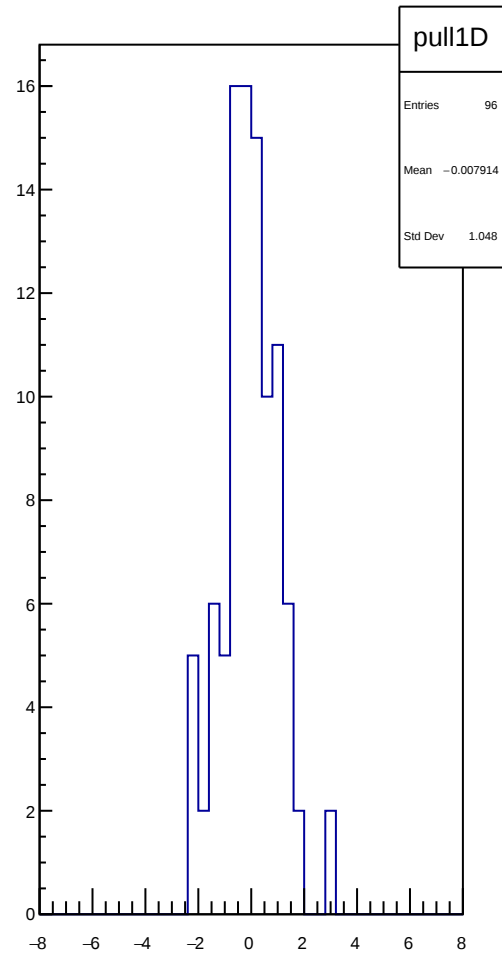
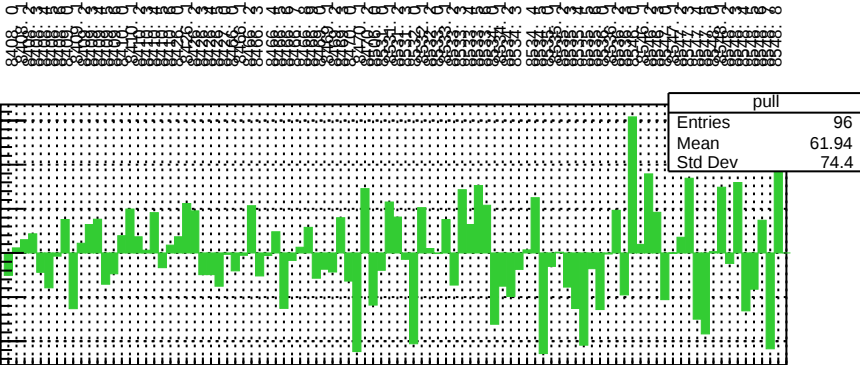
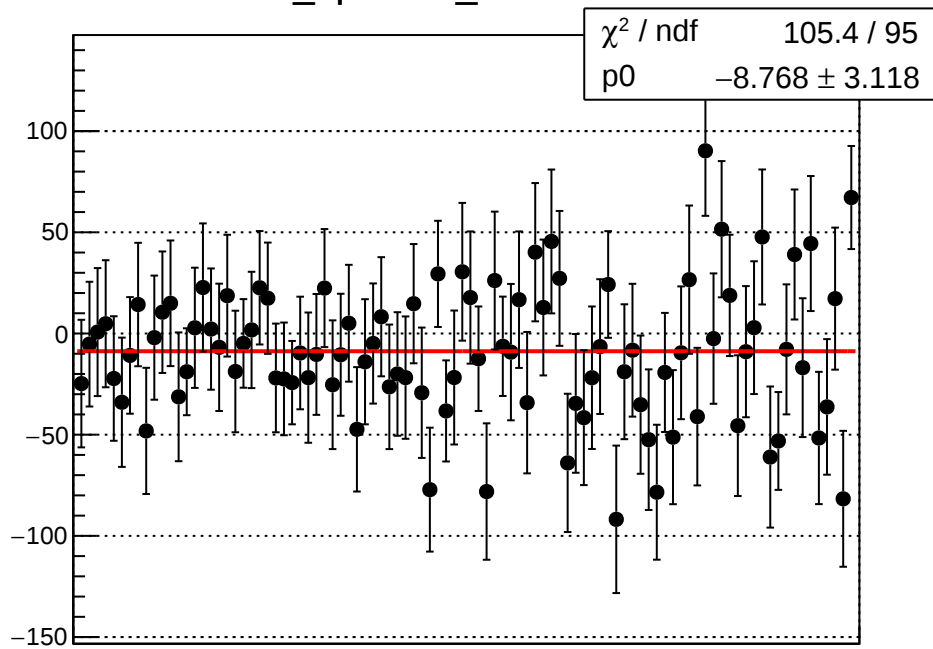
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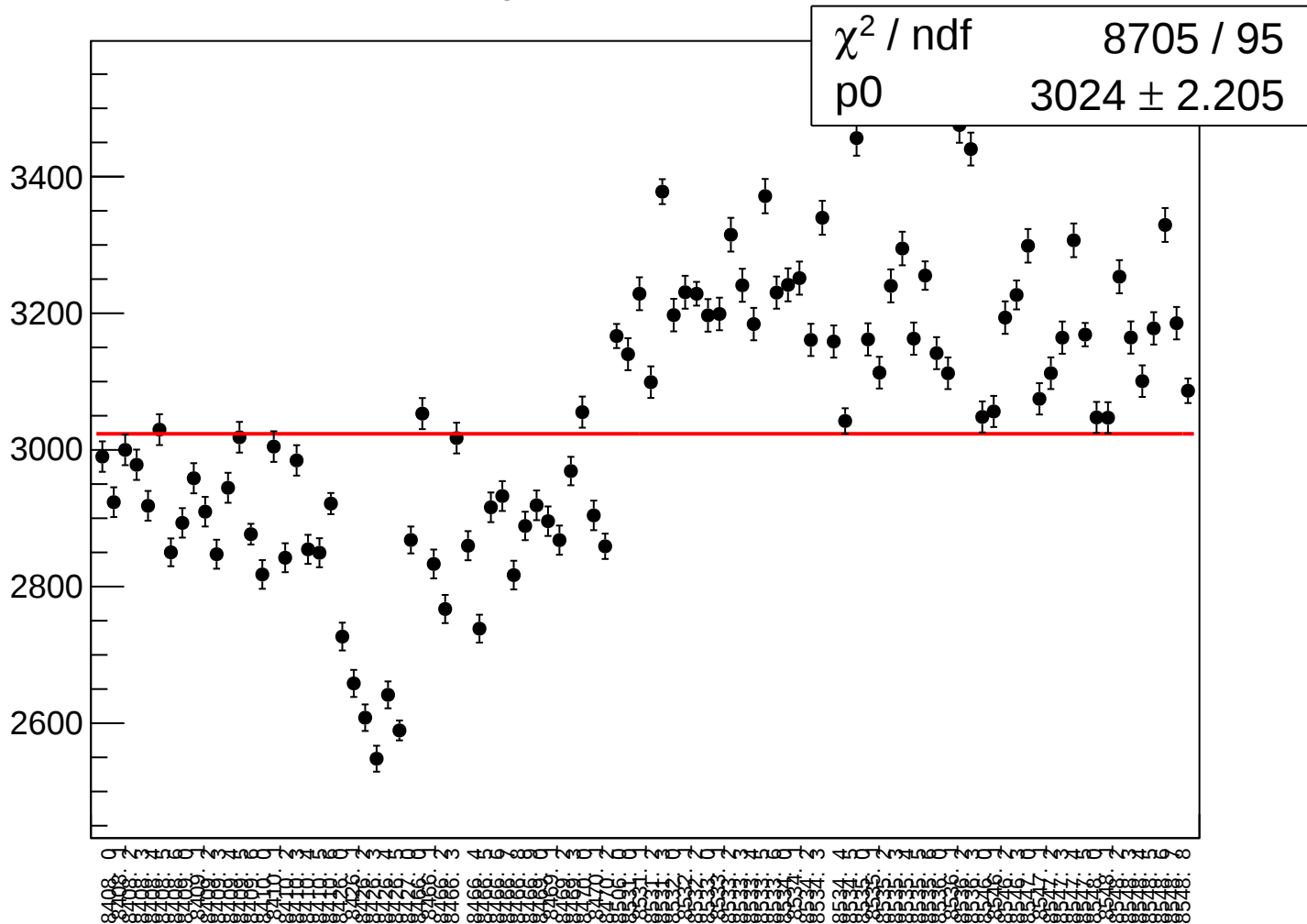
diff_bpm16X_rms vs run



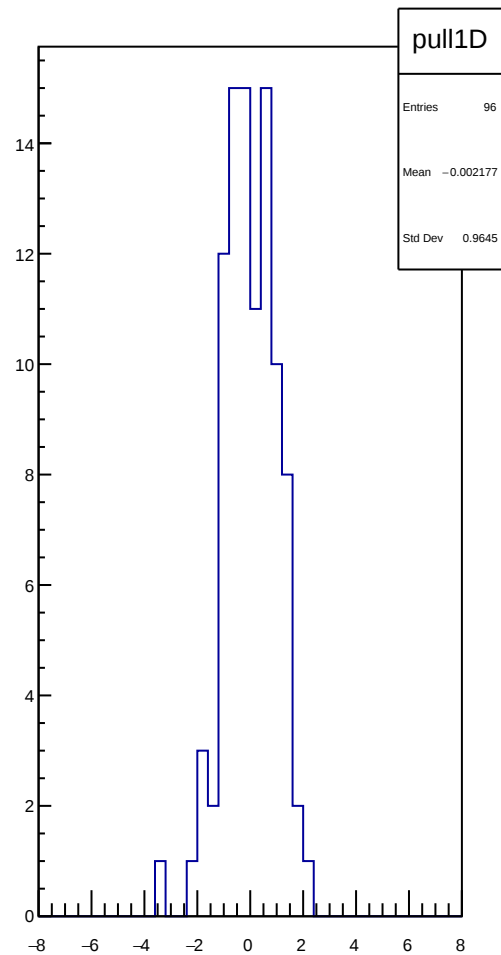
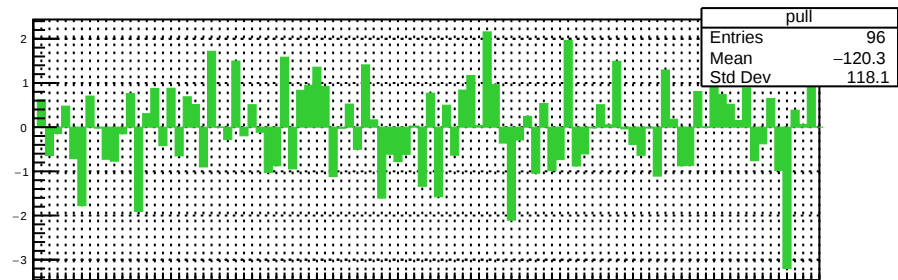
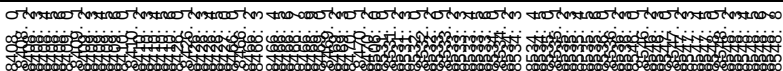
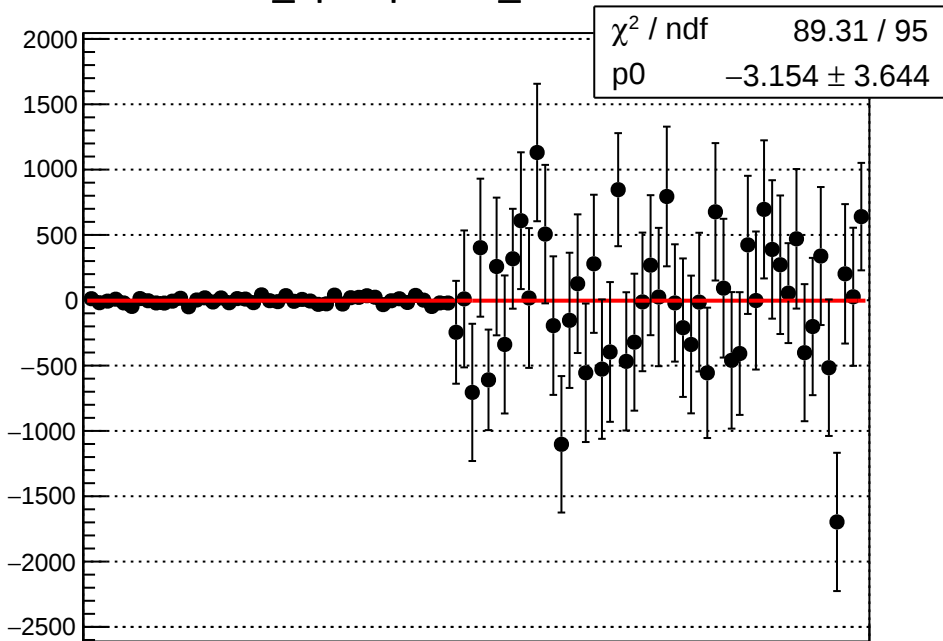
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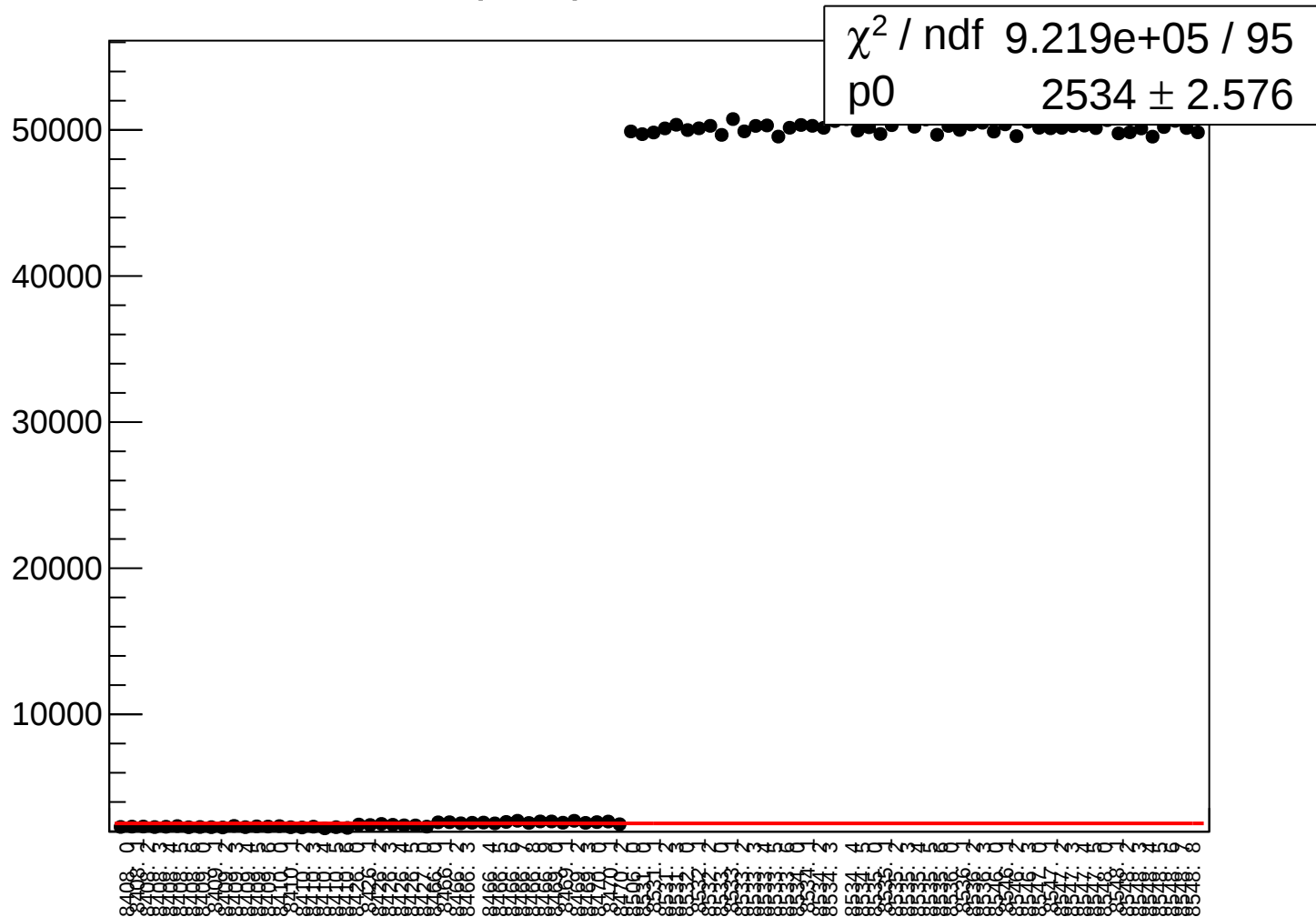
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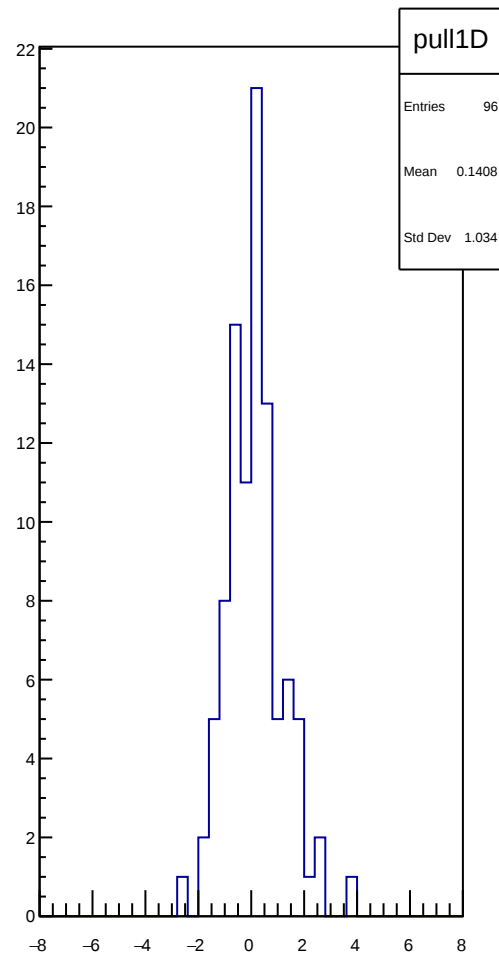
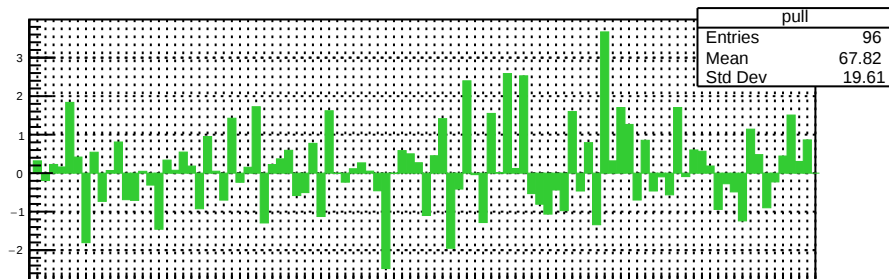
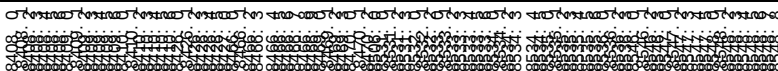
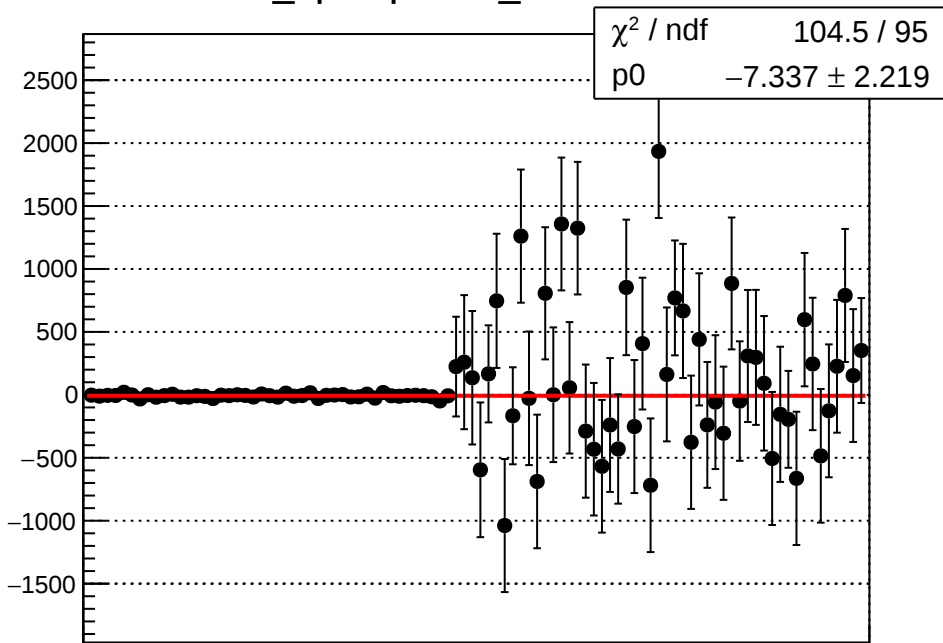
diff_bpm1p02bX_mean vs run



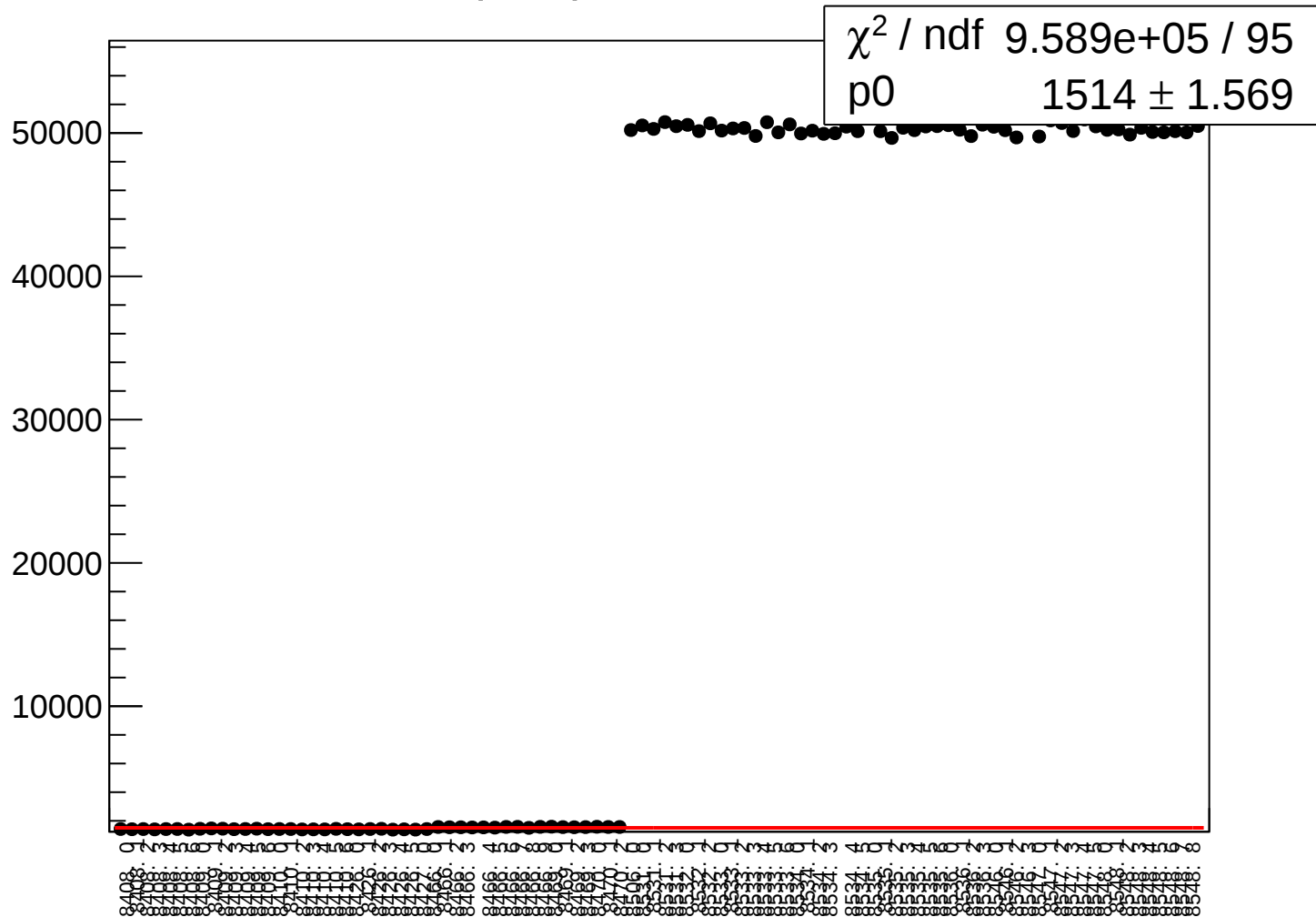
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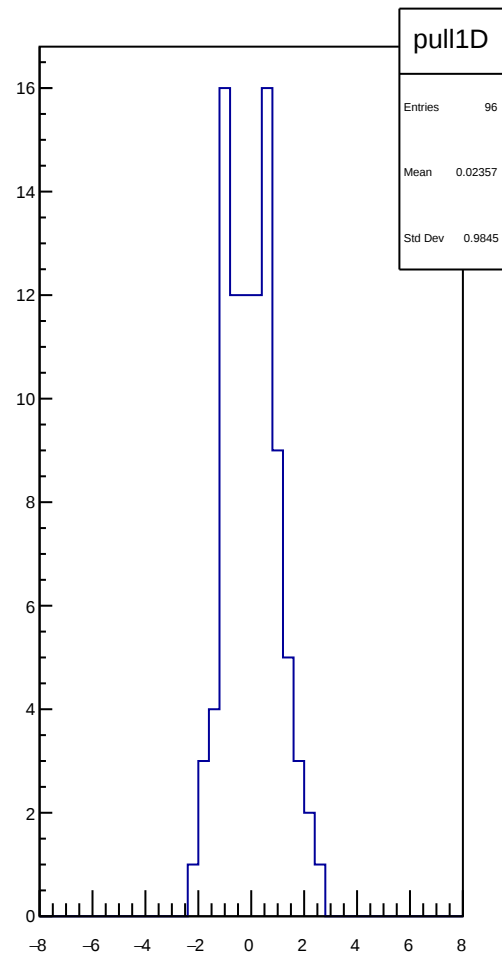
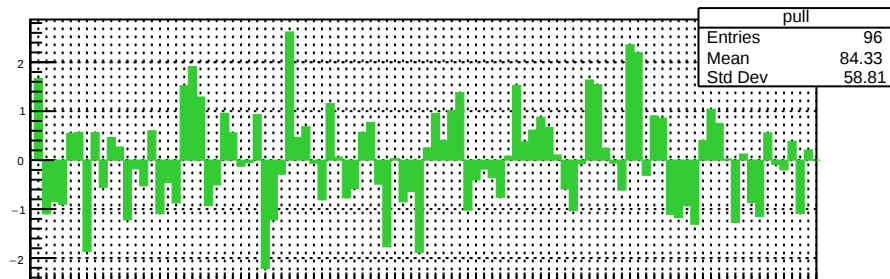
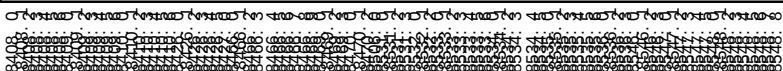
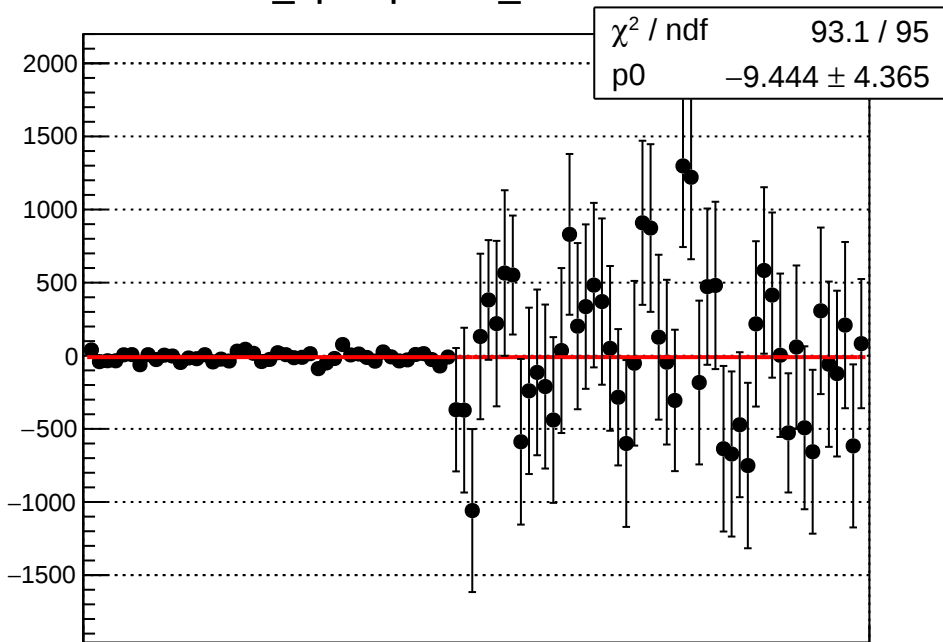
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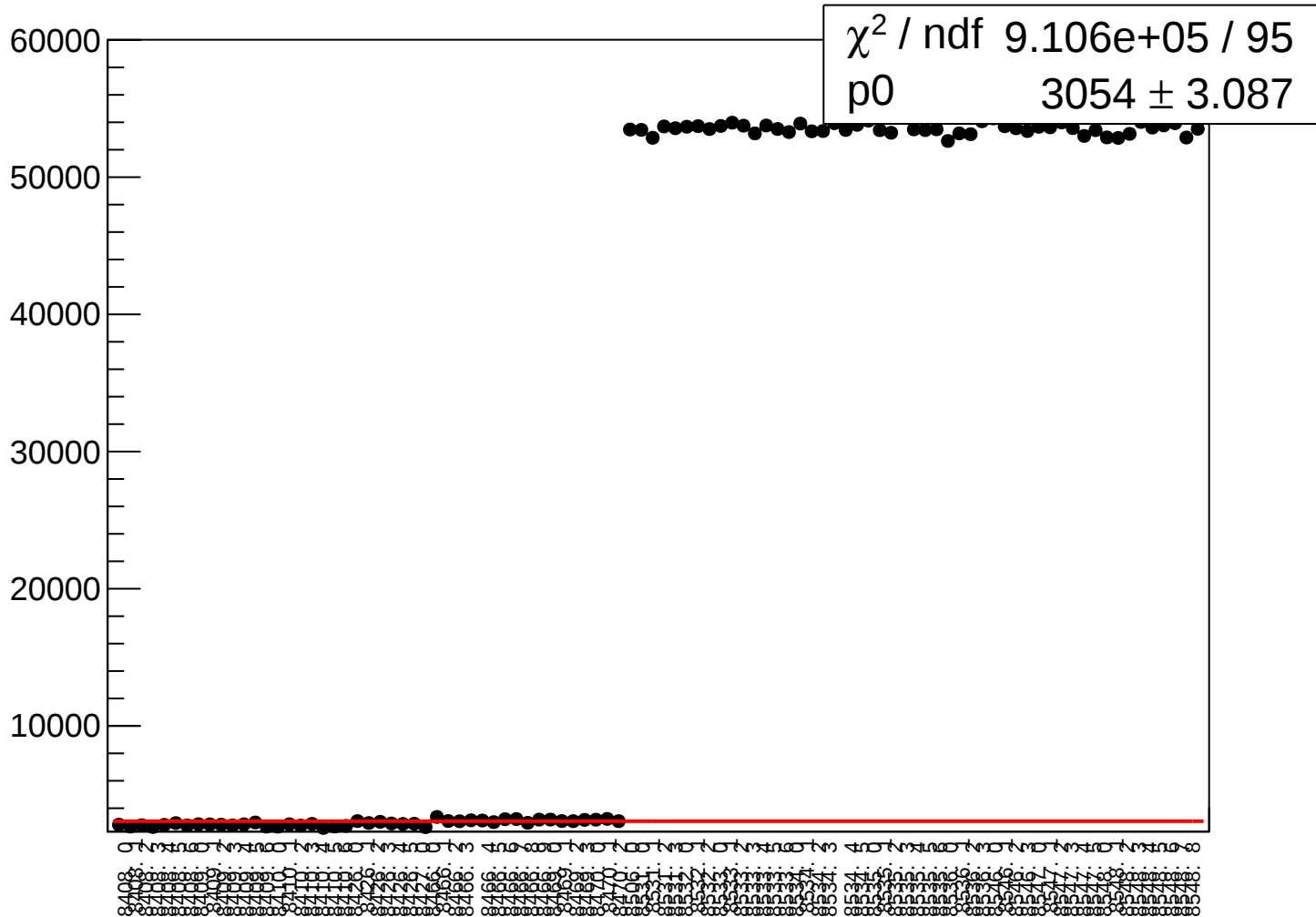
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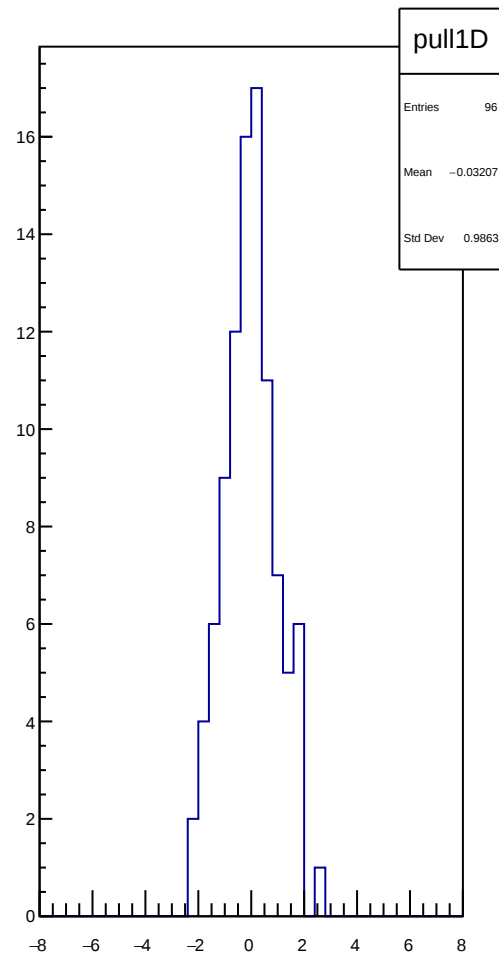
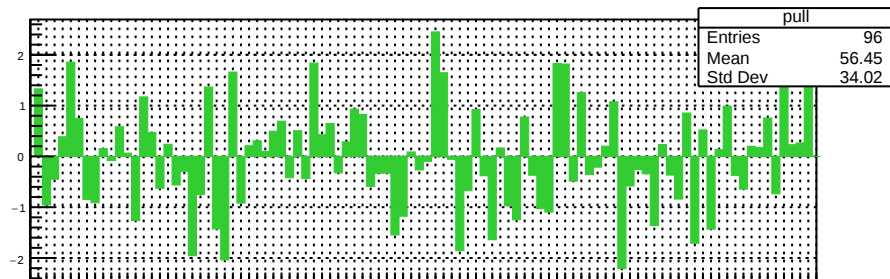
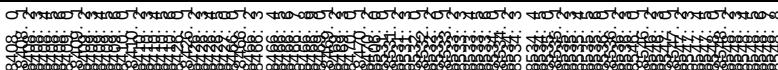
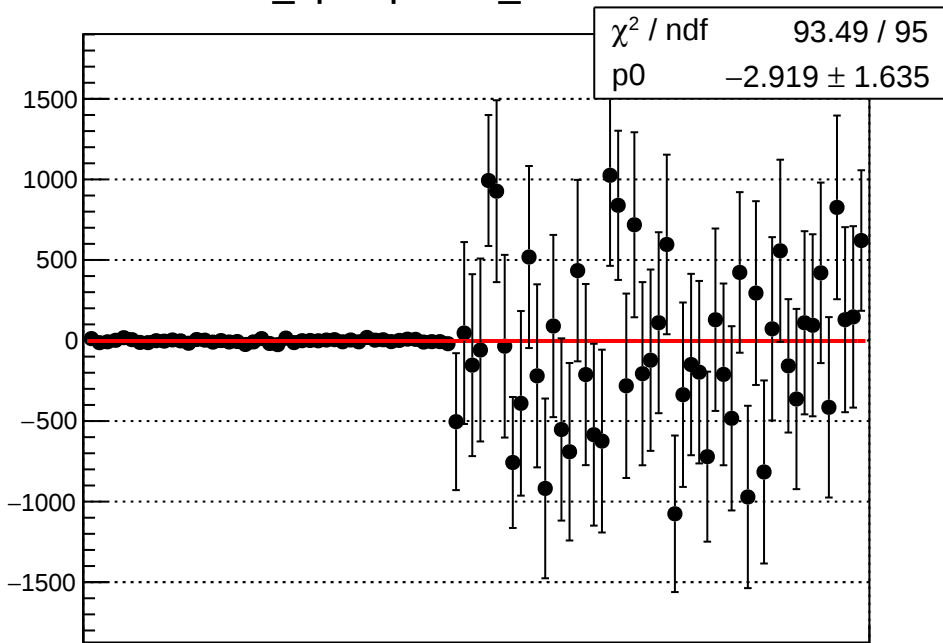
diff_bpm1p03aX_mean vs run



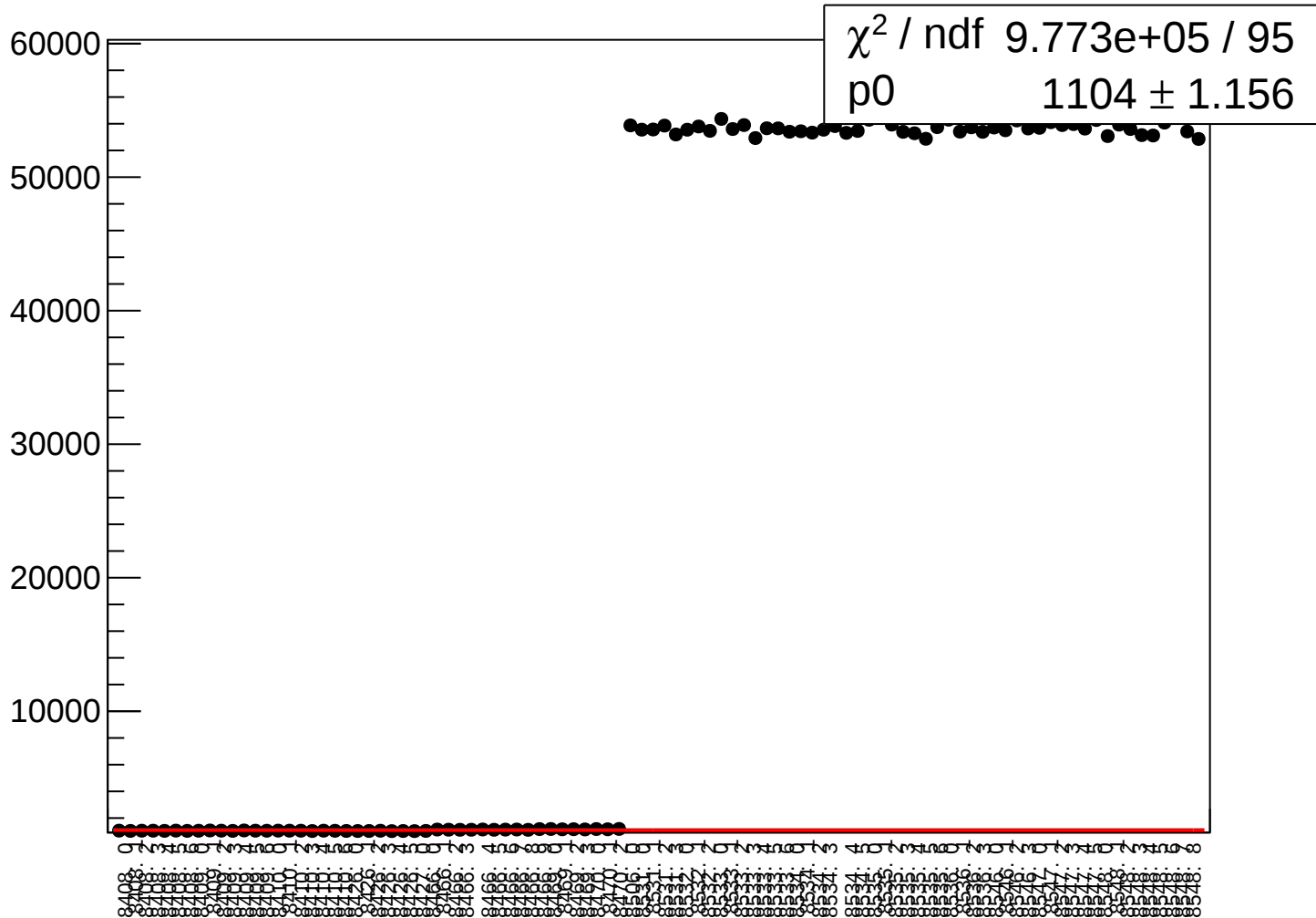
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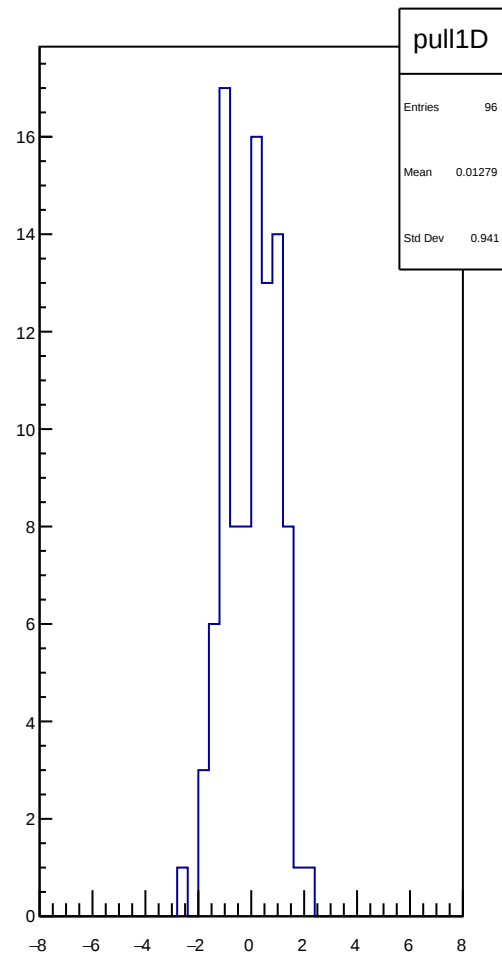
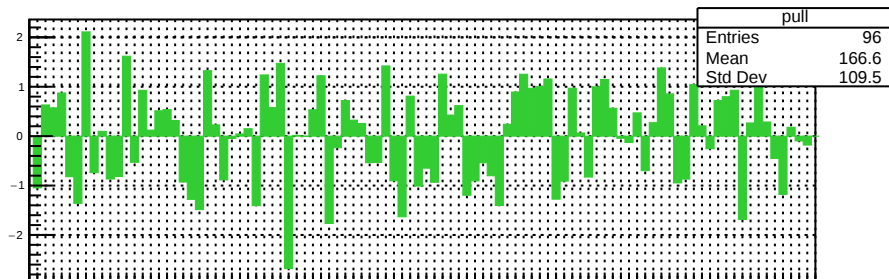
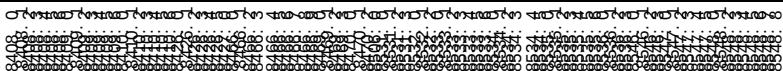
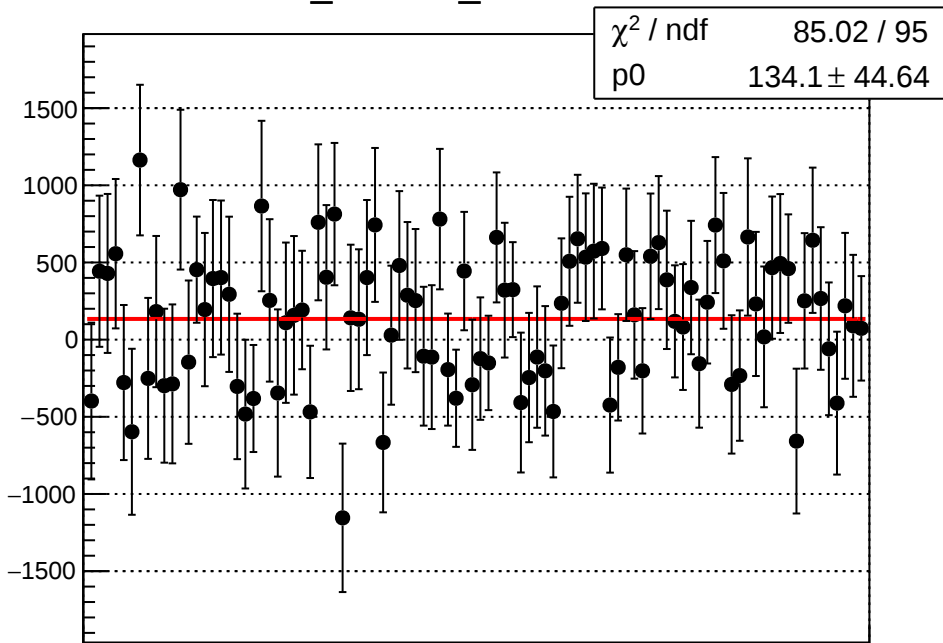
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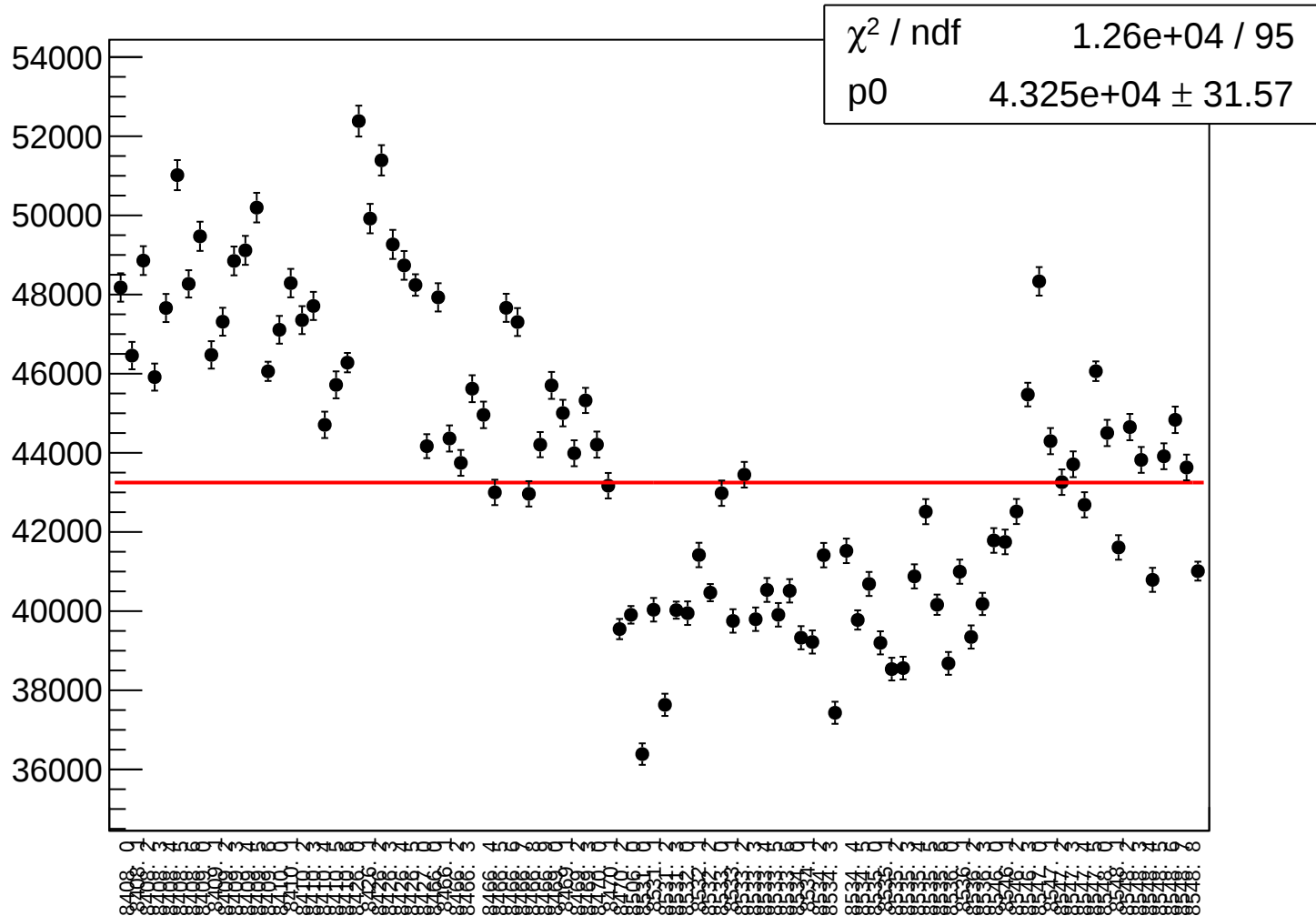
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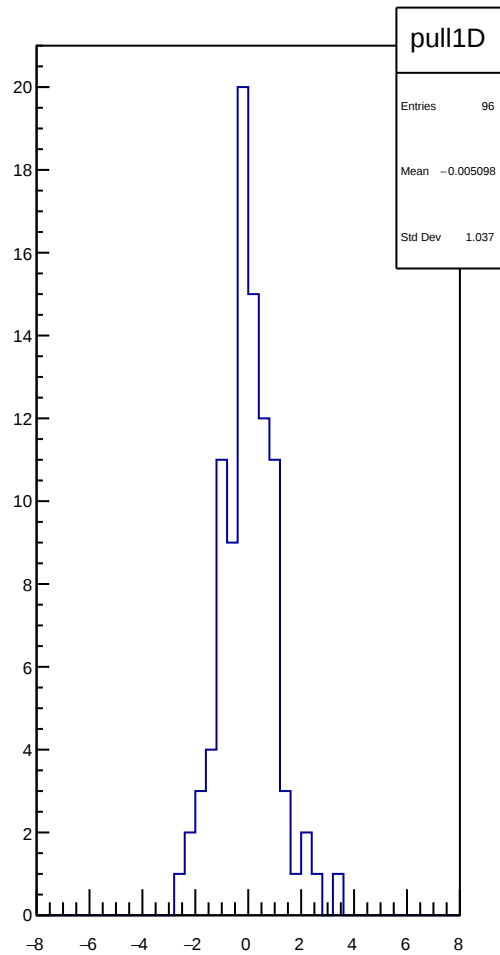
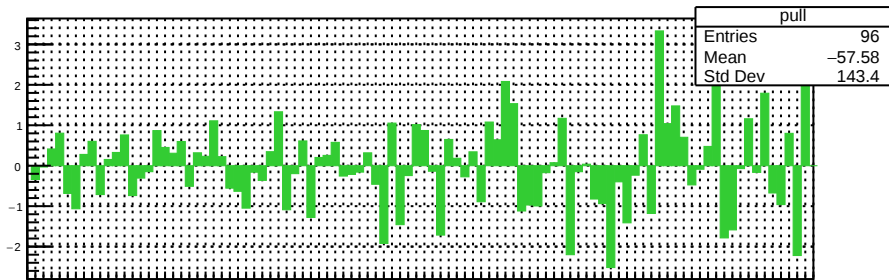
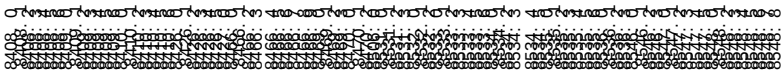
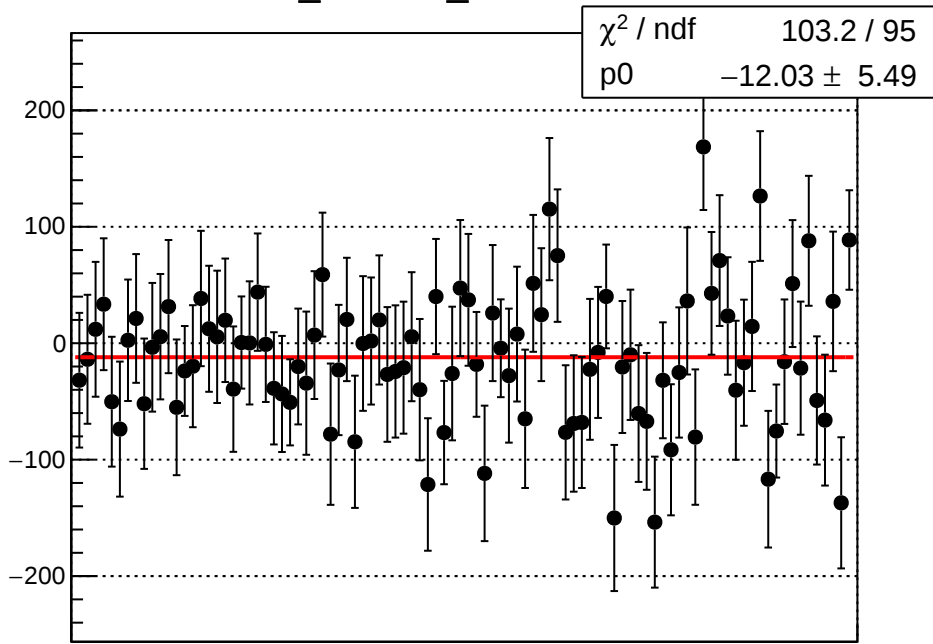
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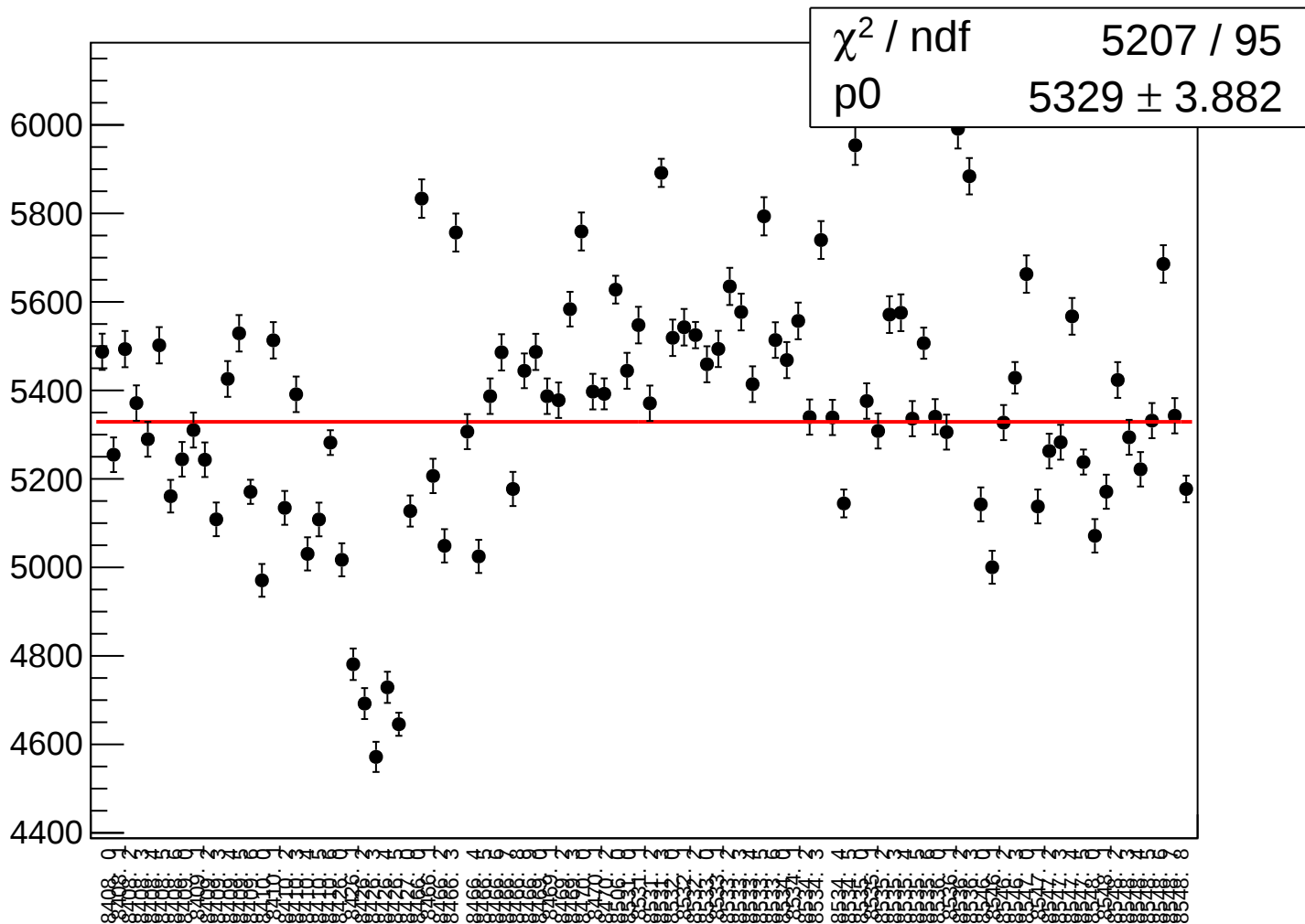
diff_cav4bX_rms vs run



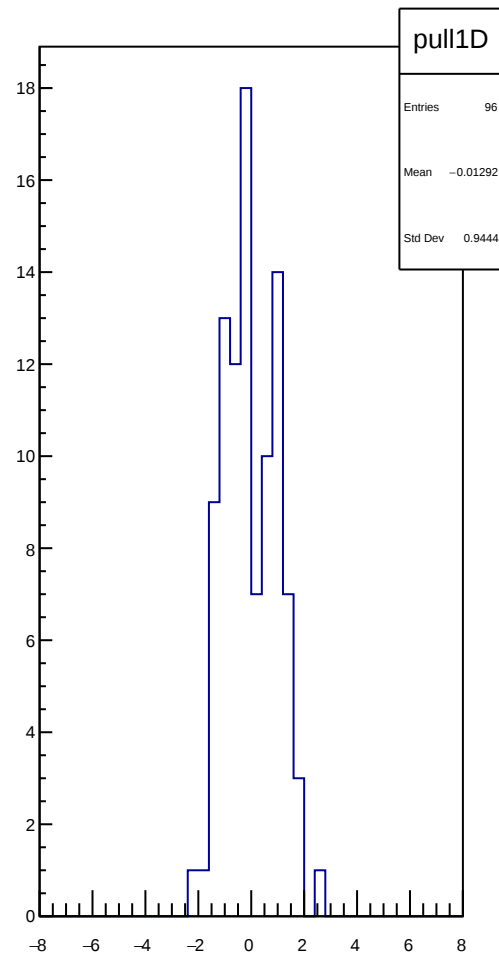
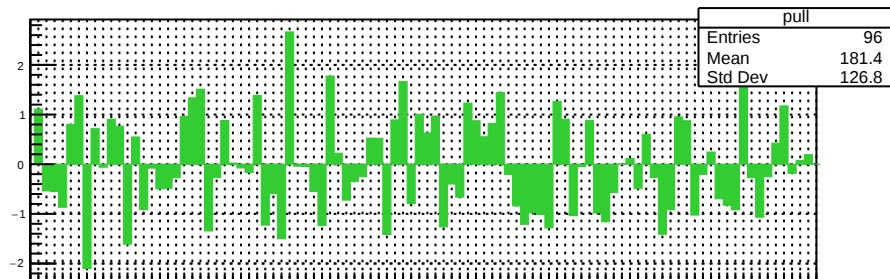
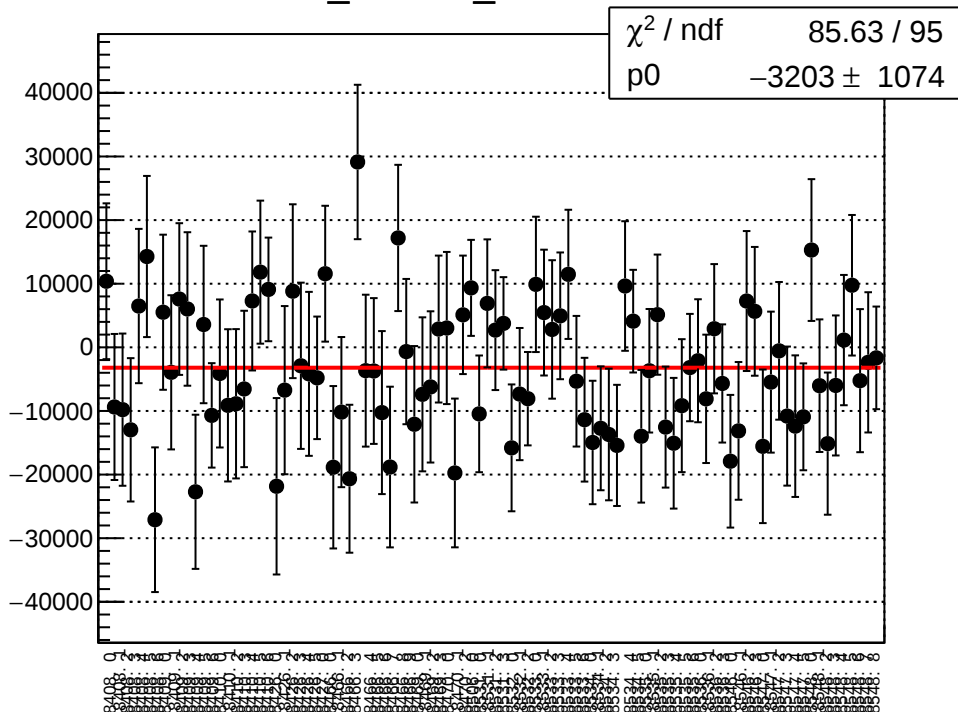
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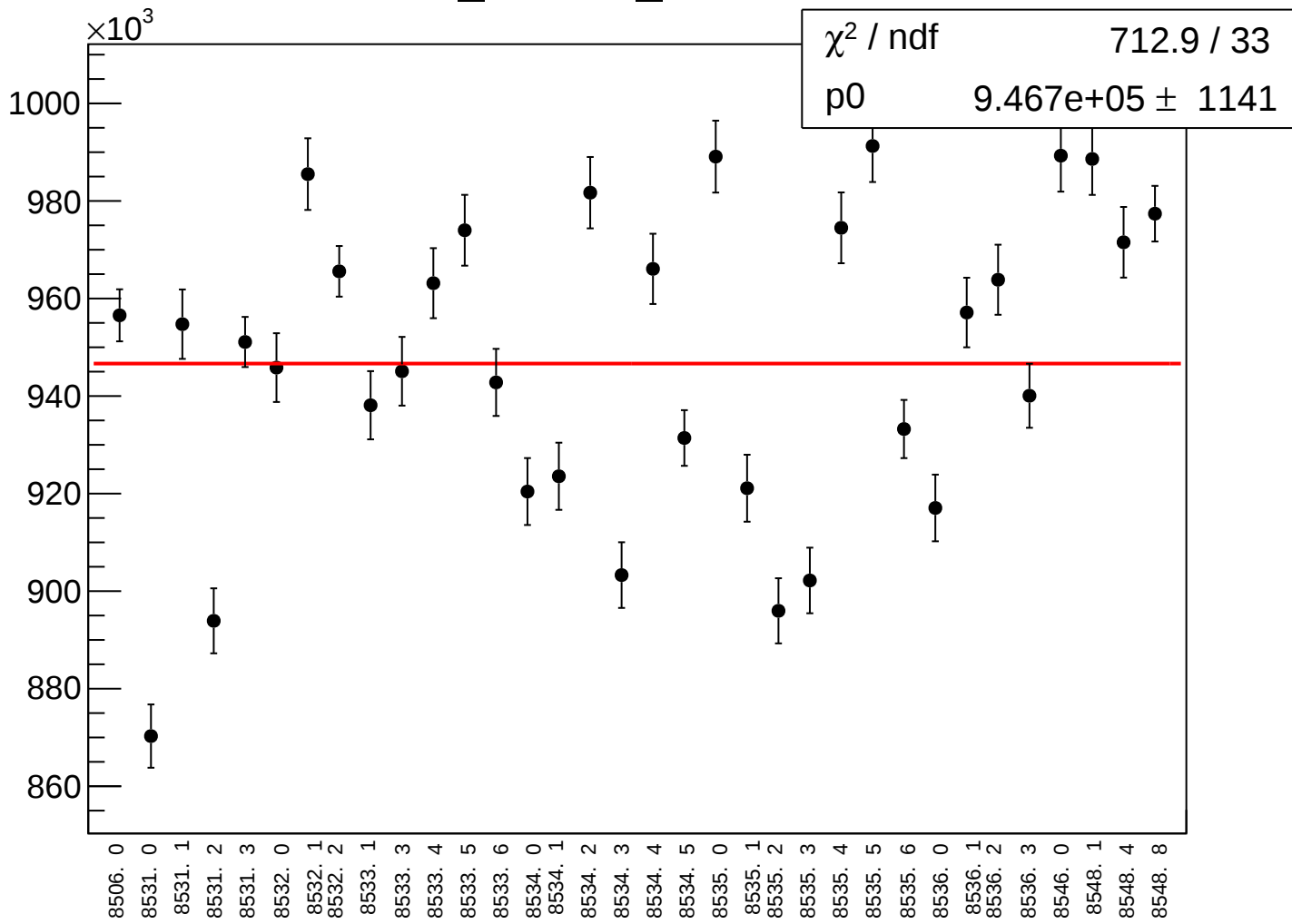
diff_cav4bY_rms vs run



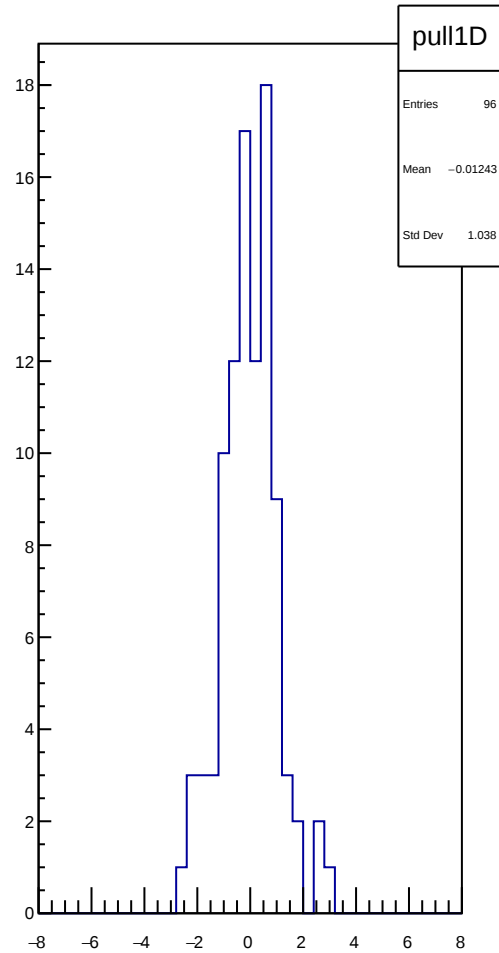
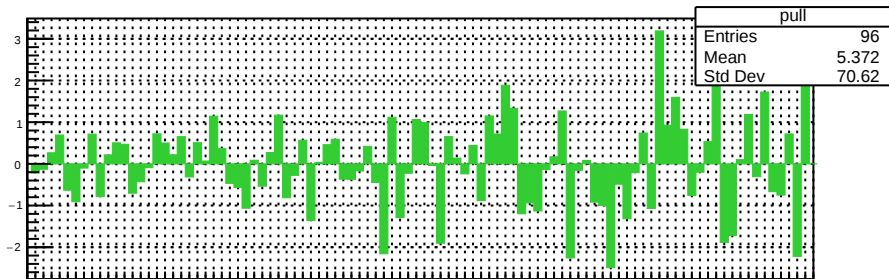
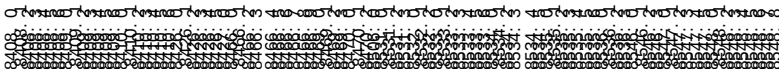
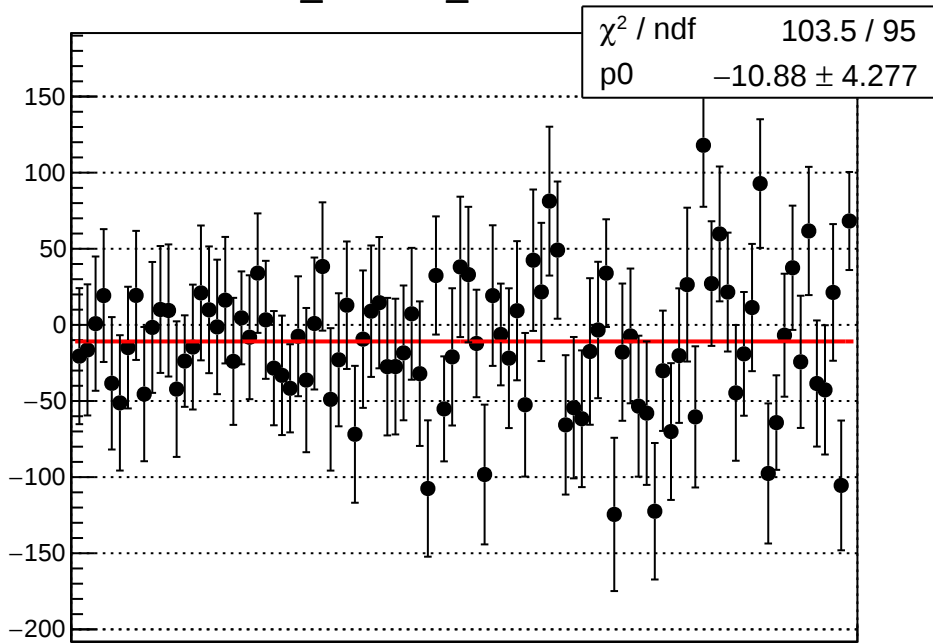
diff_cav4cX_mean vs run



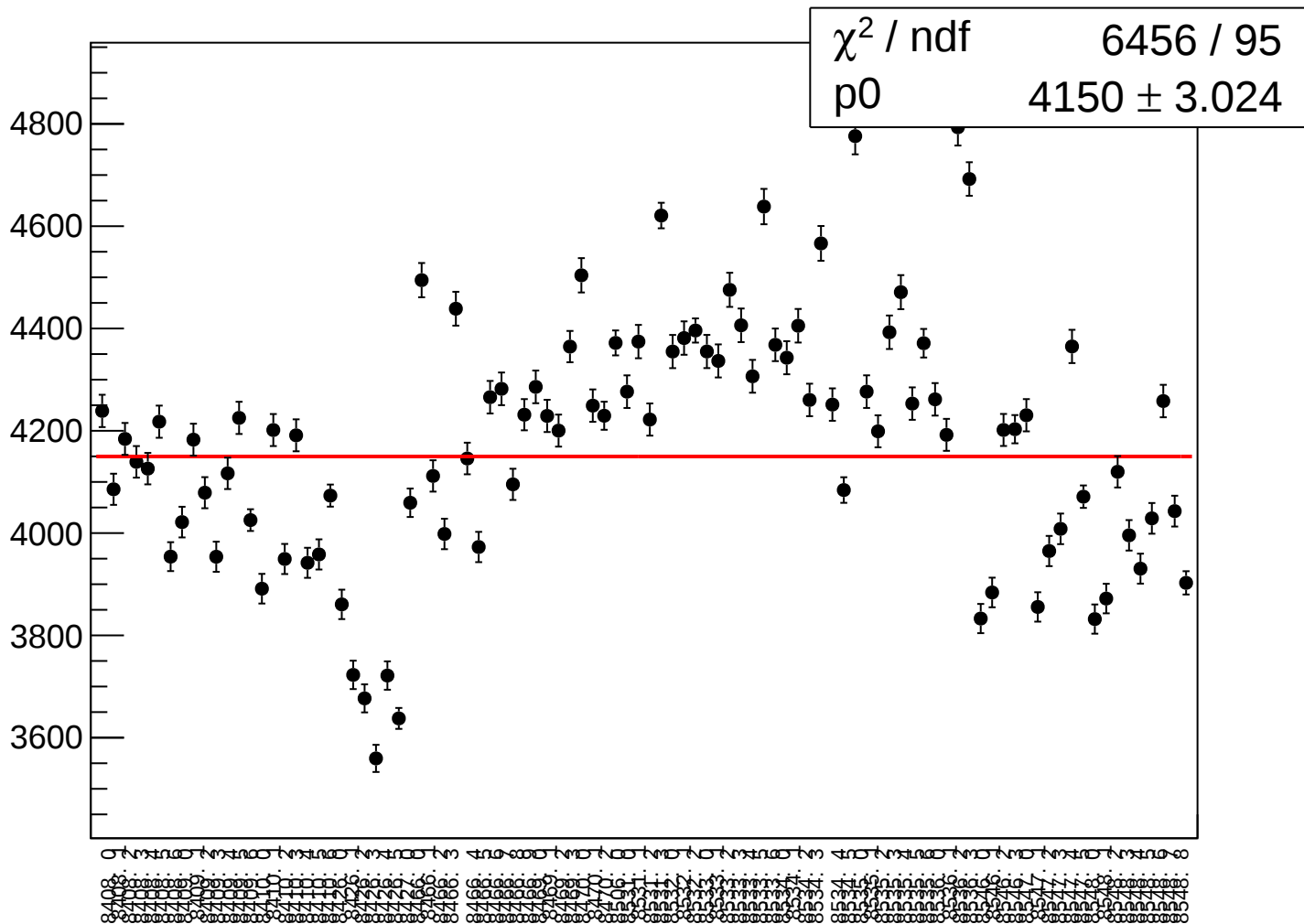
diff_cav4cX_rms vs run



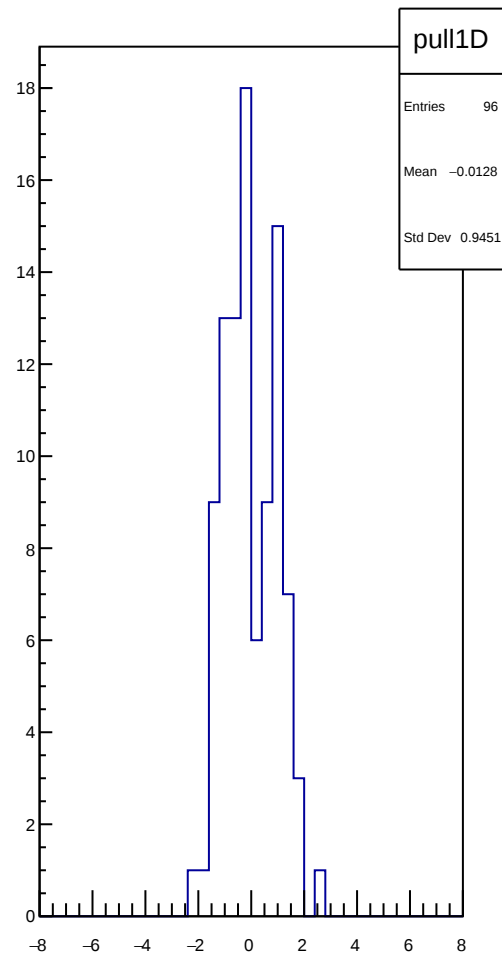
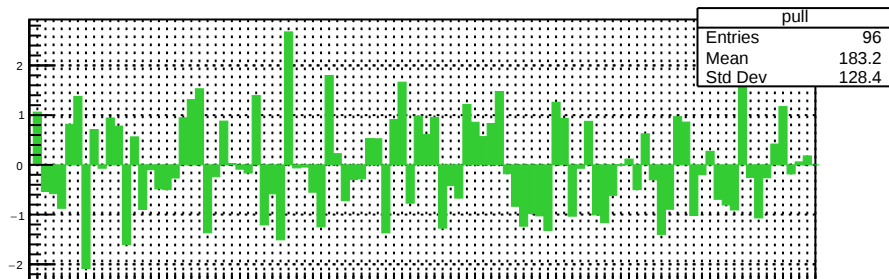
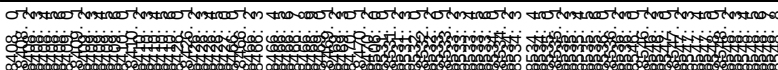
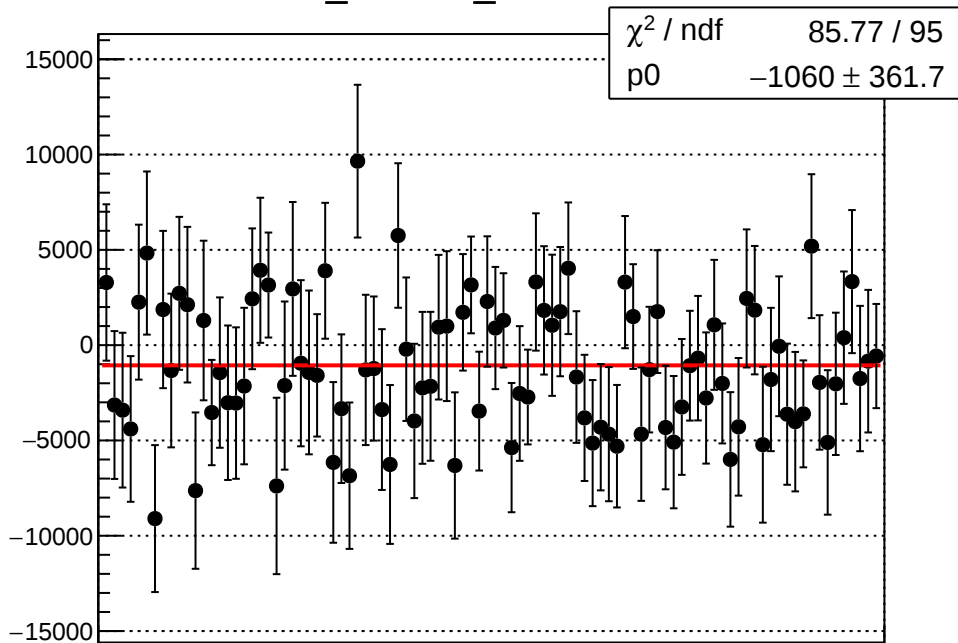
diff_cav4cY_mean vs run



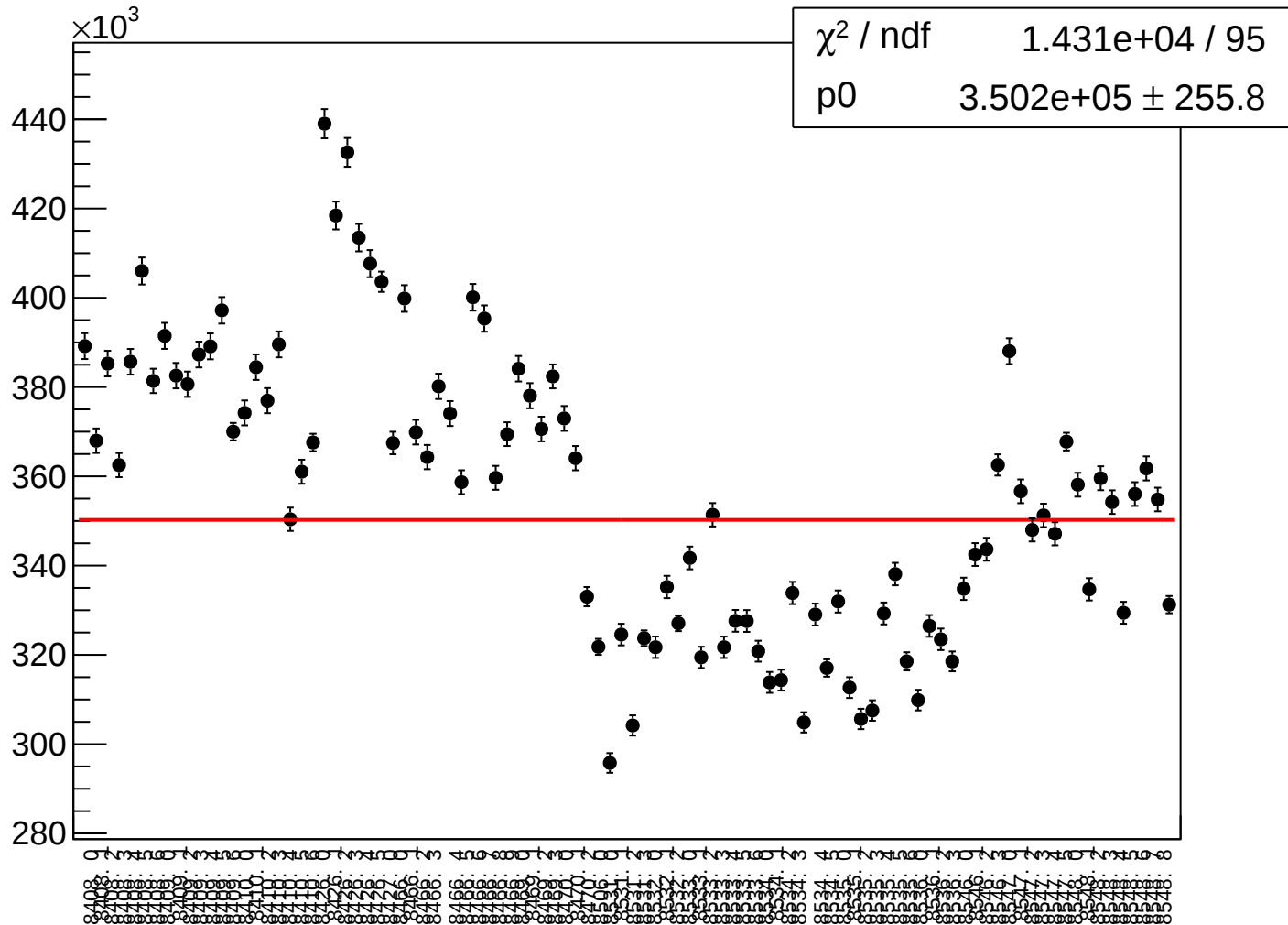
diff_cav4cY_rms vs run



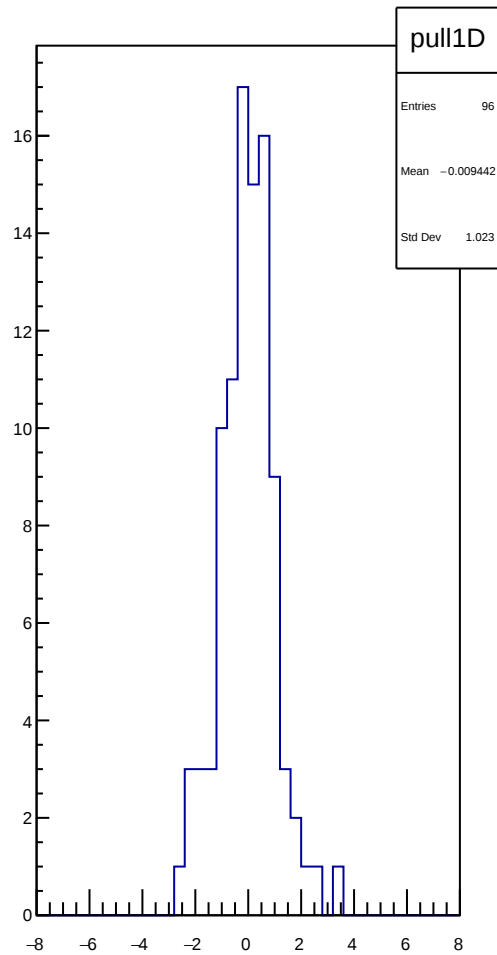
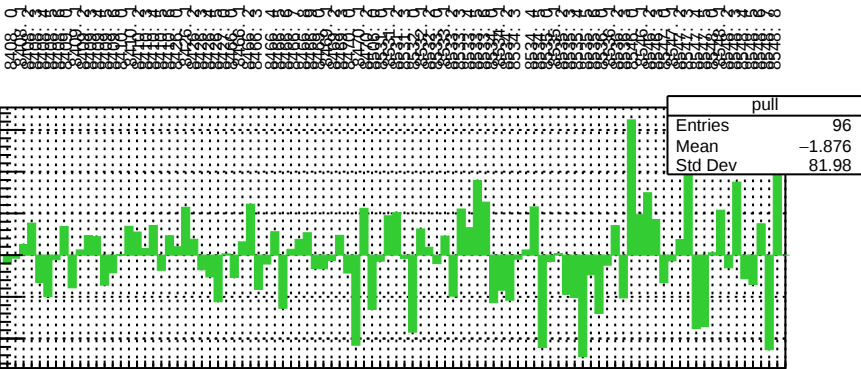
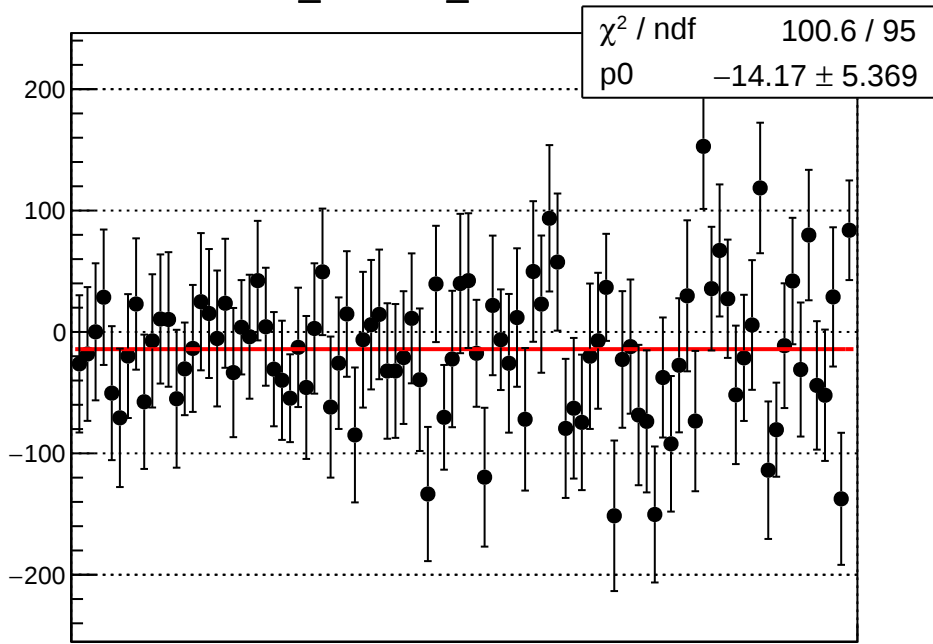
diff_cav4dX_mean vs run



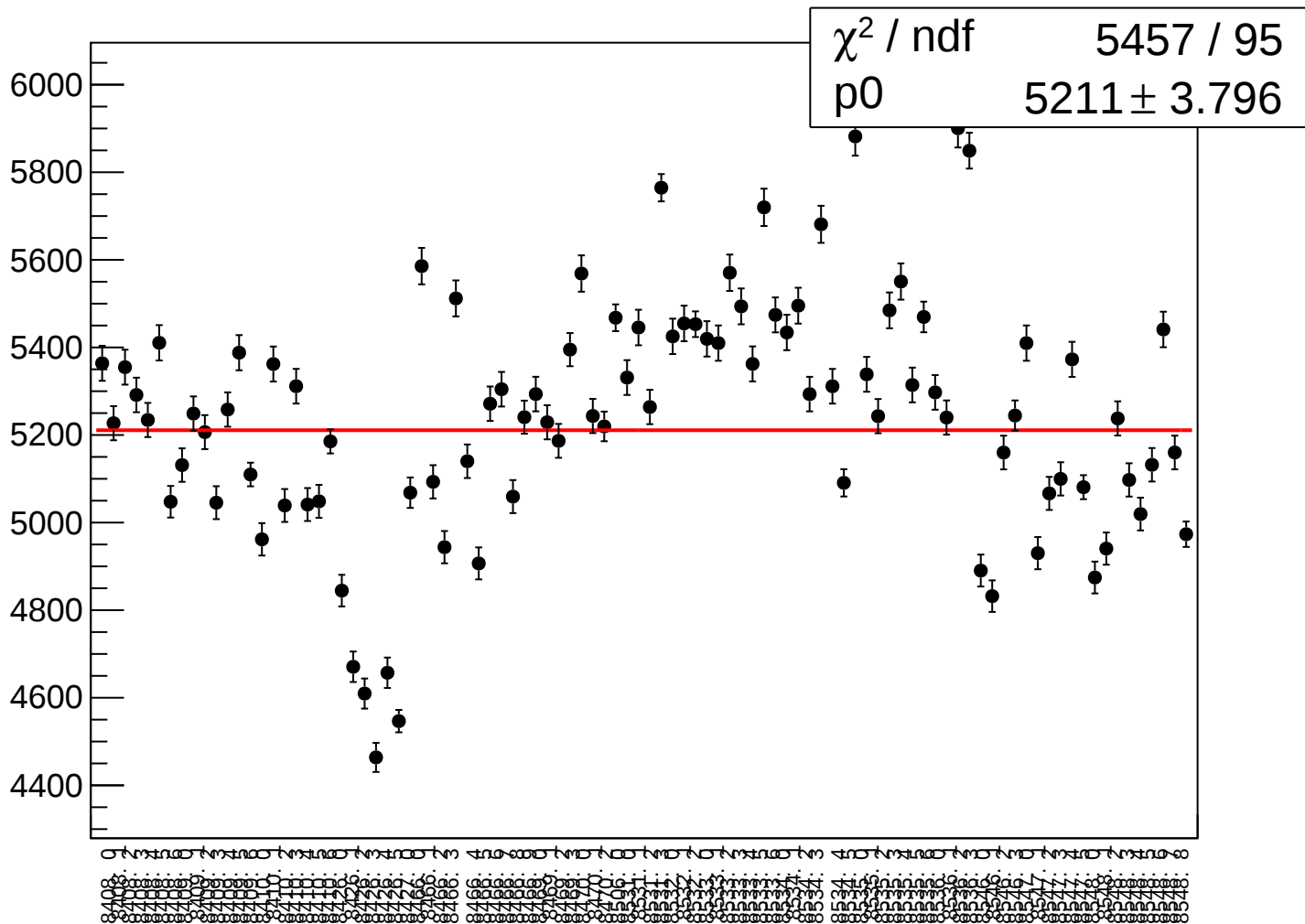
diff_cav4dX_rms vs run



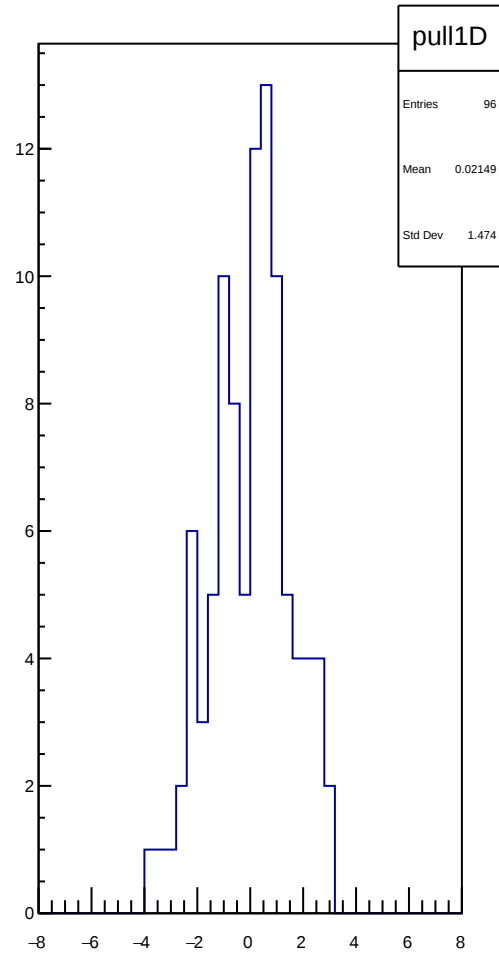
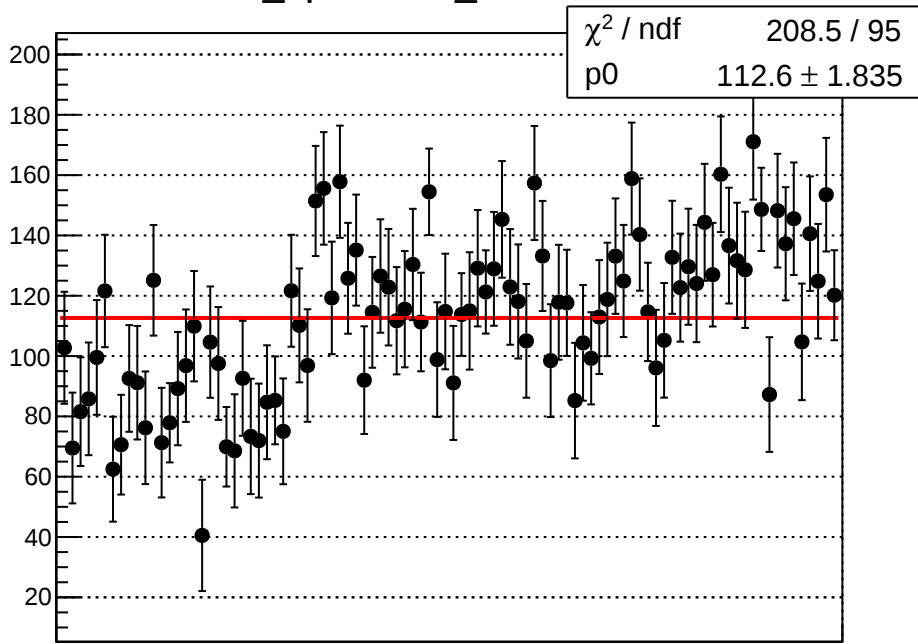
diff_cav4dY_mean vs run



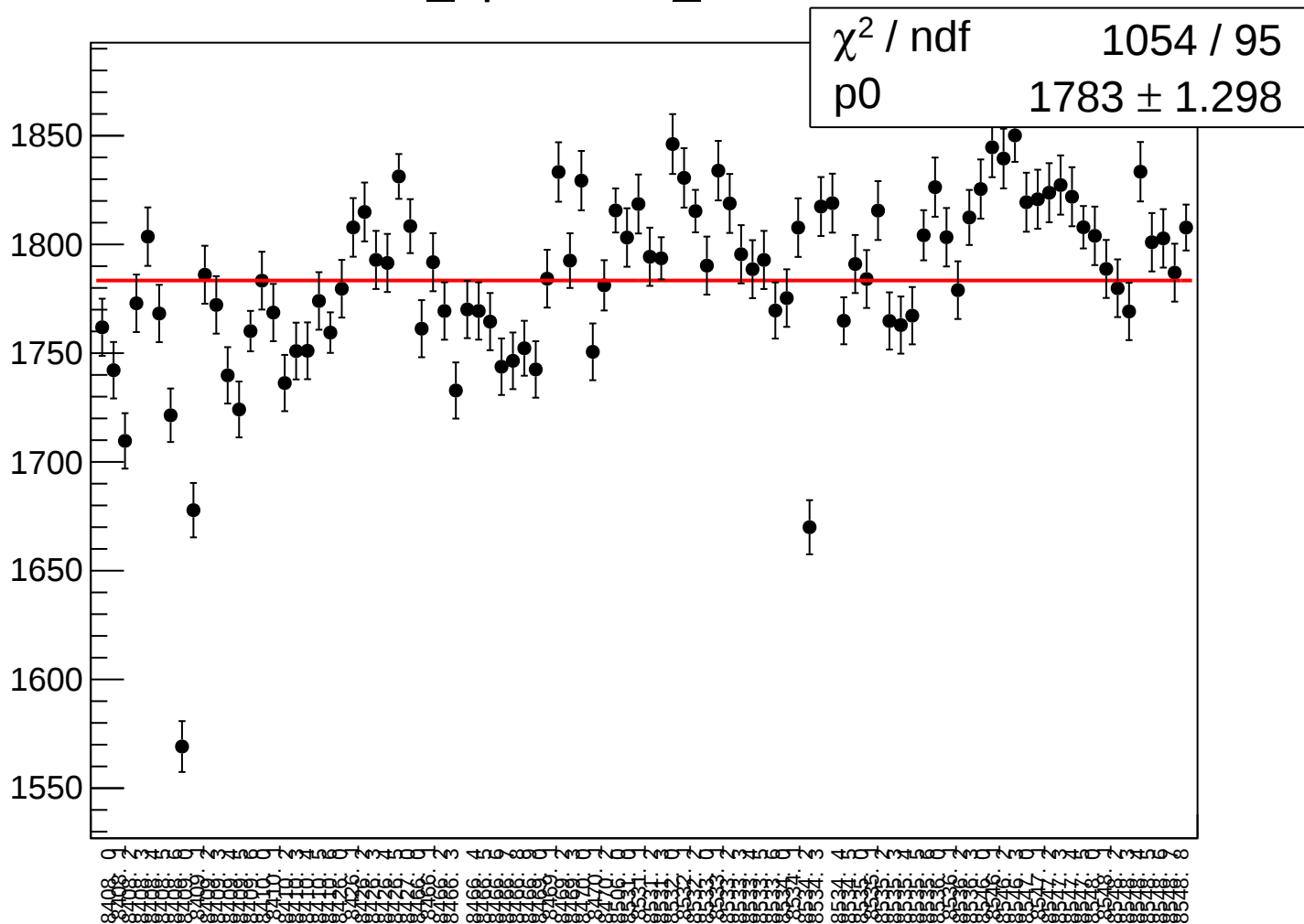
diff_cav4dY_rms vs run



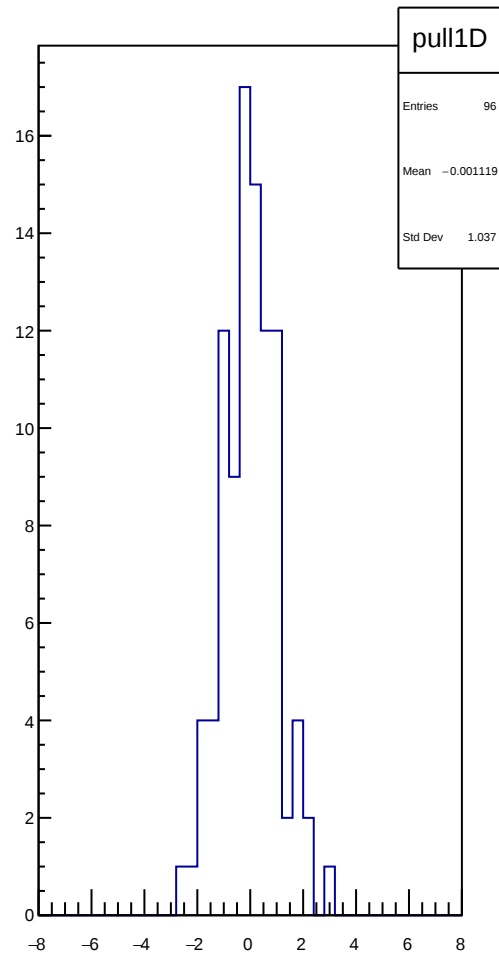
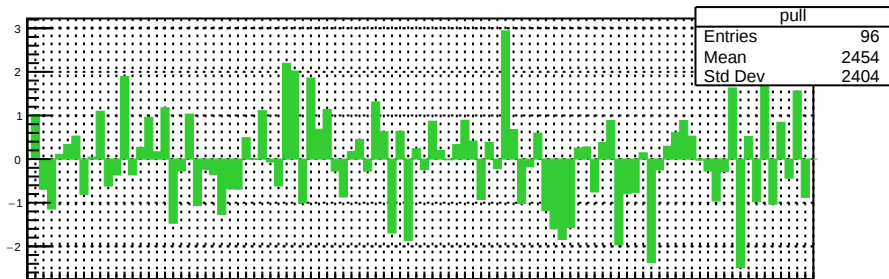
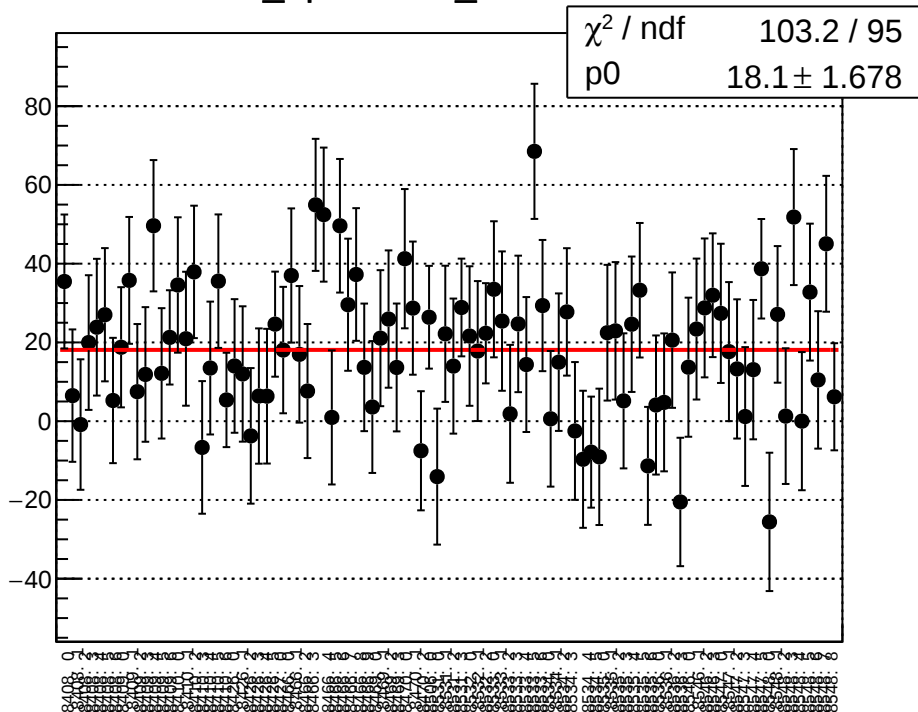
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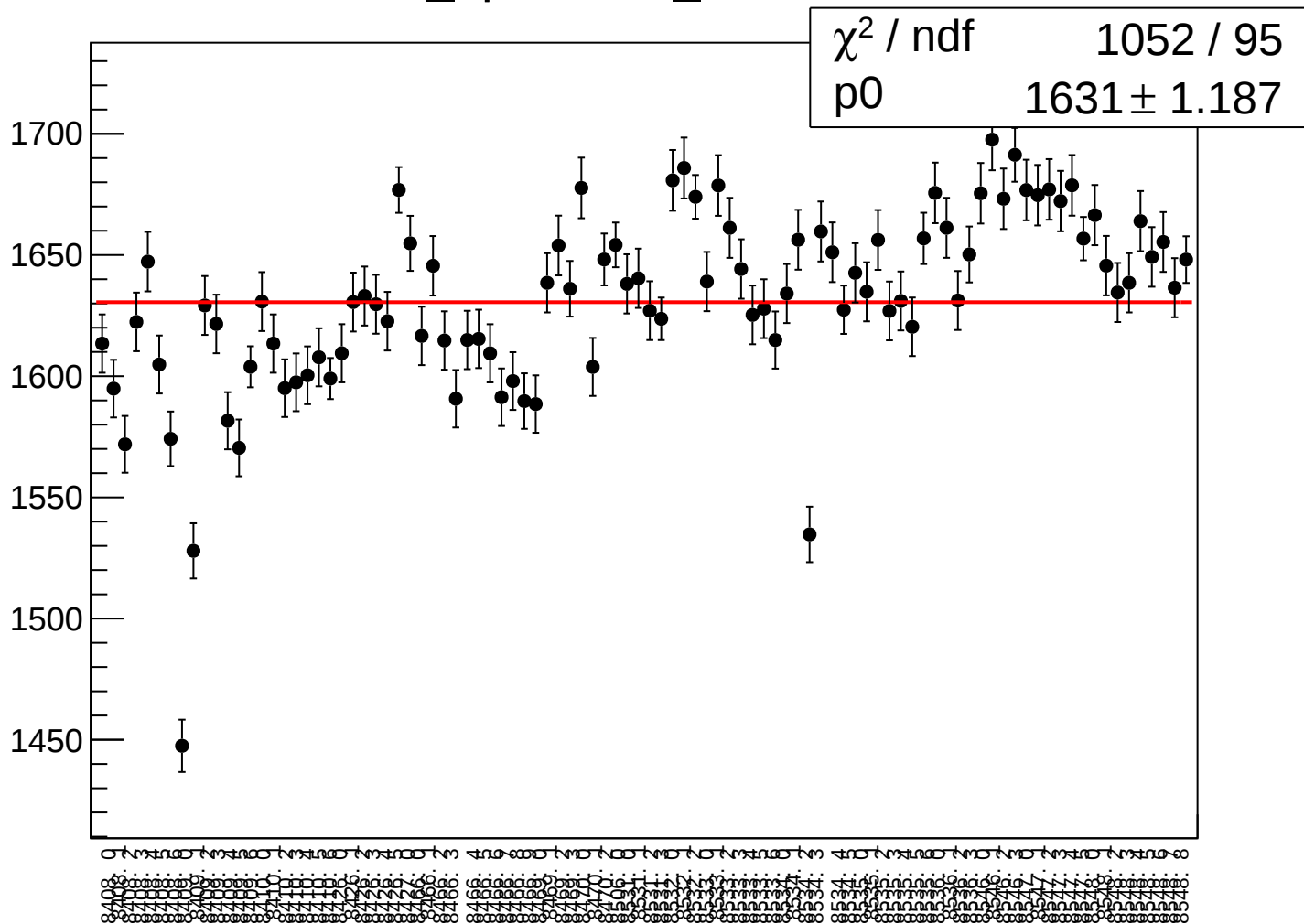
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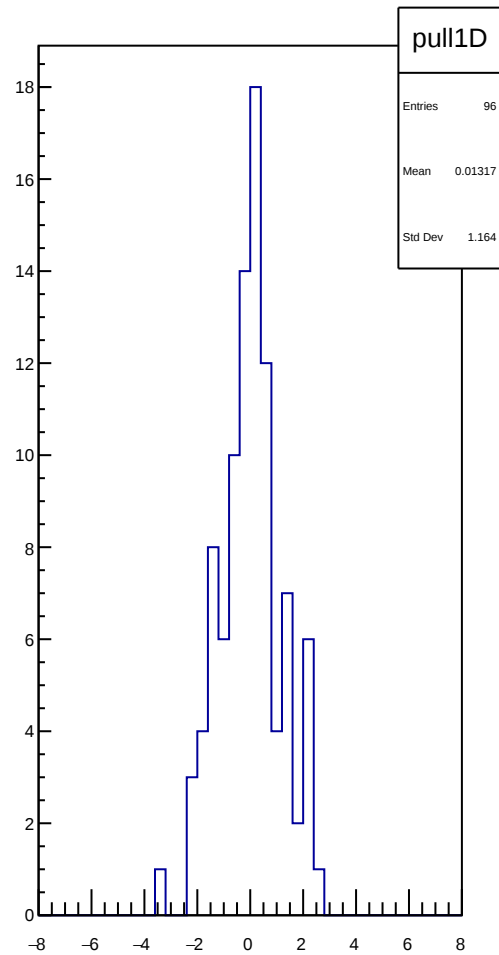
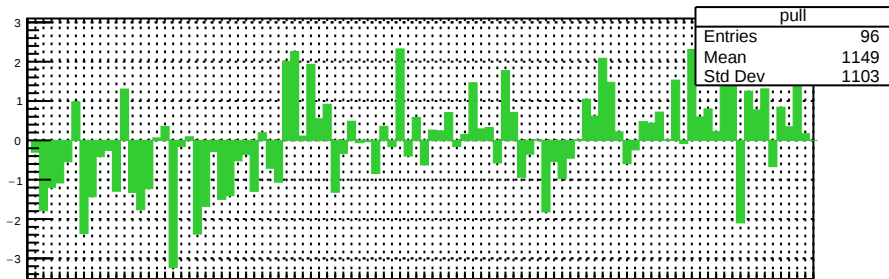
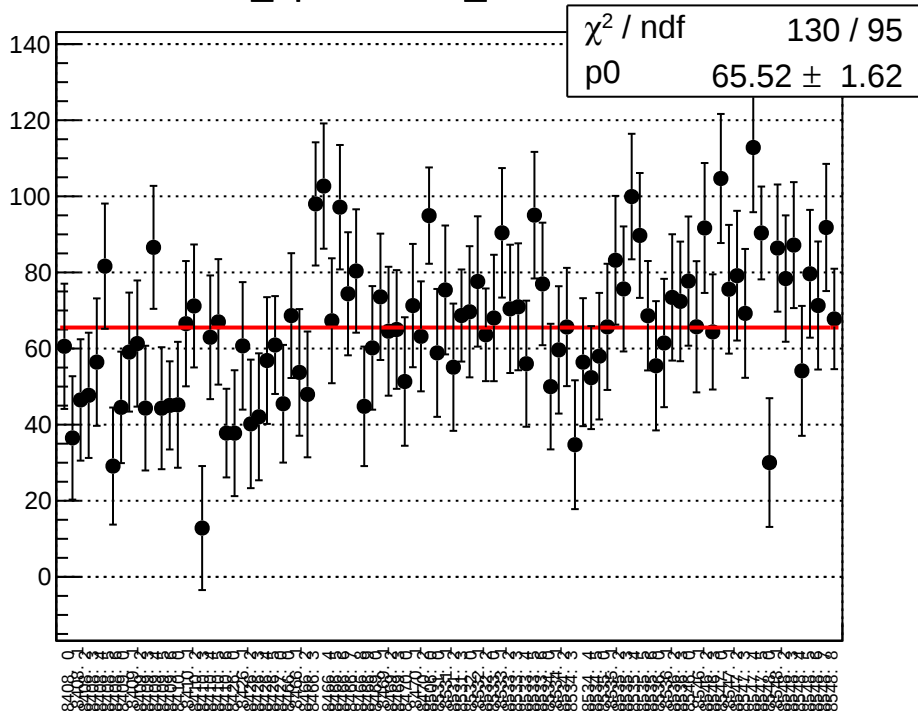
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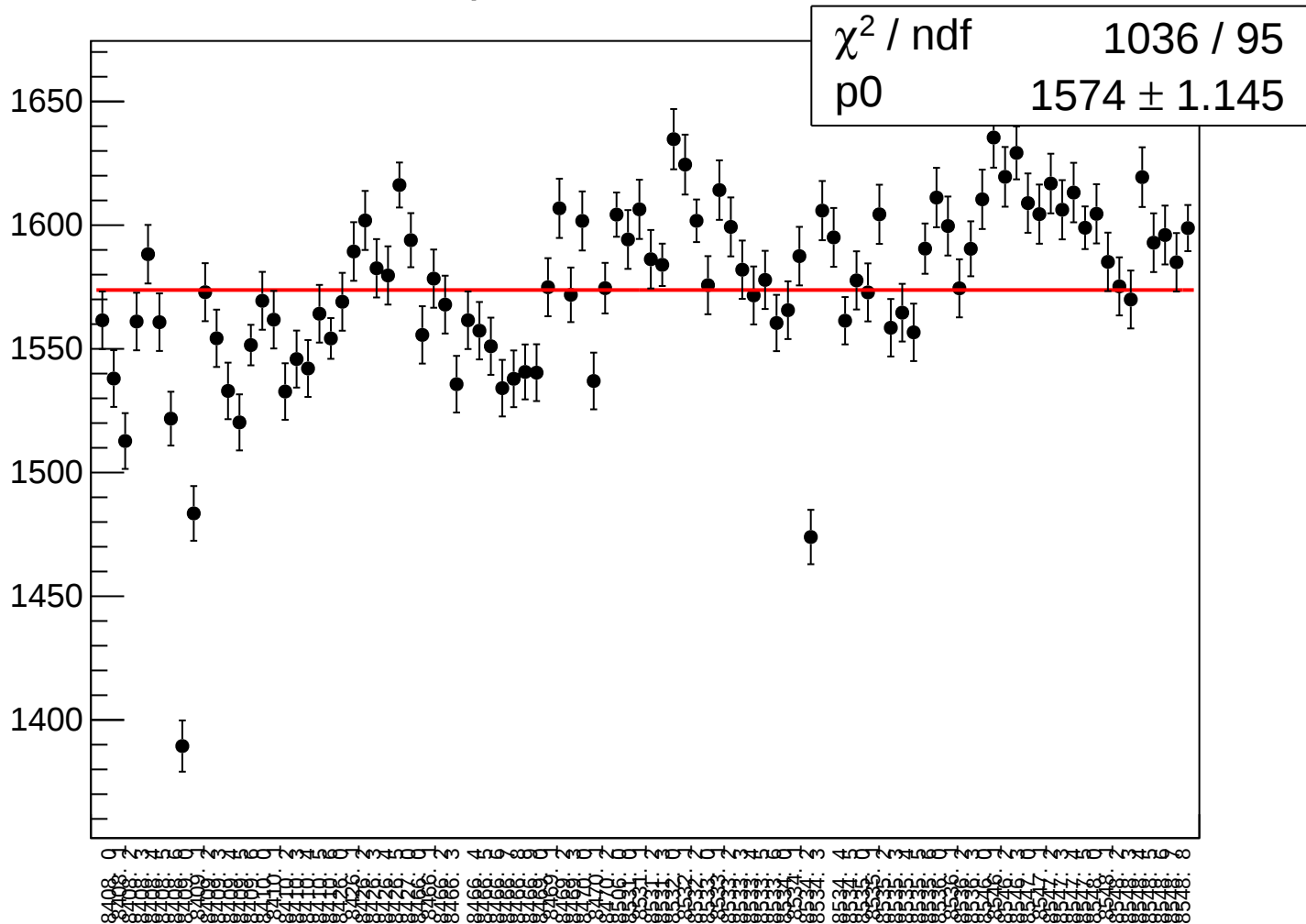
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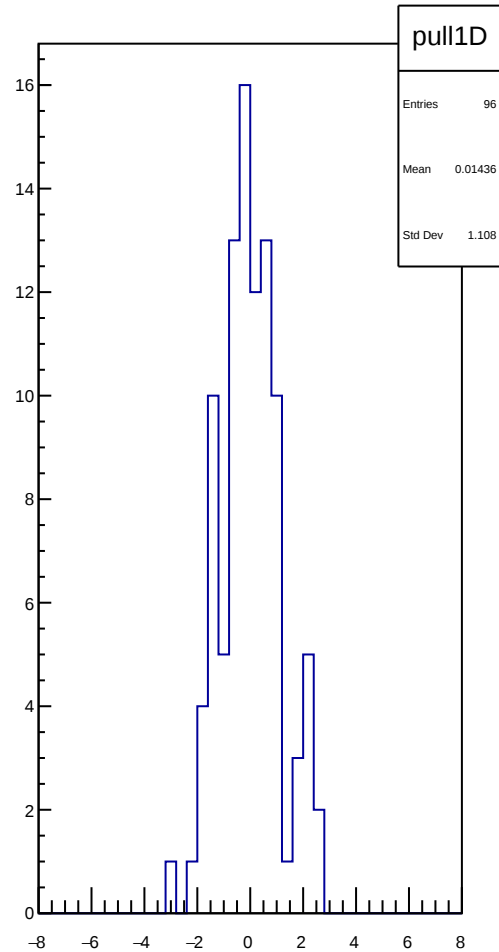
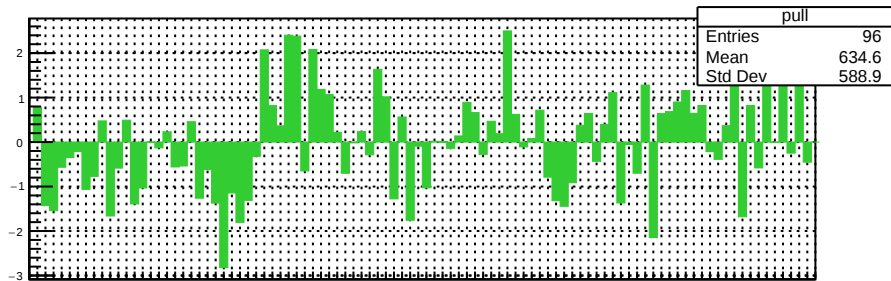
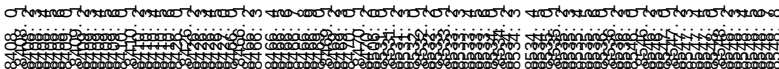
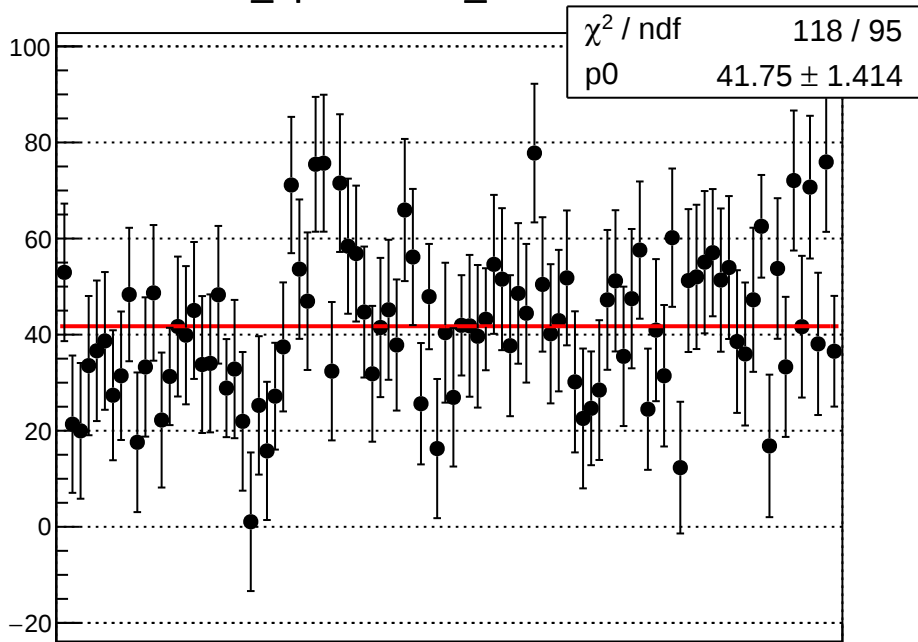
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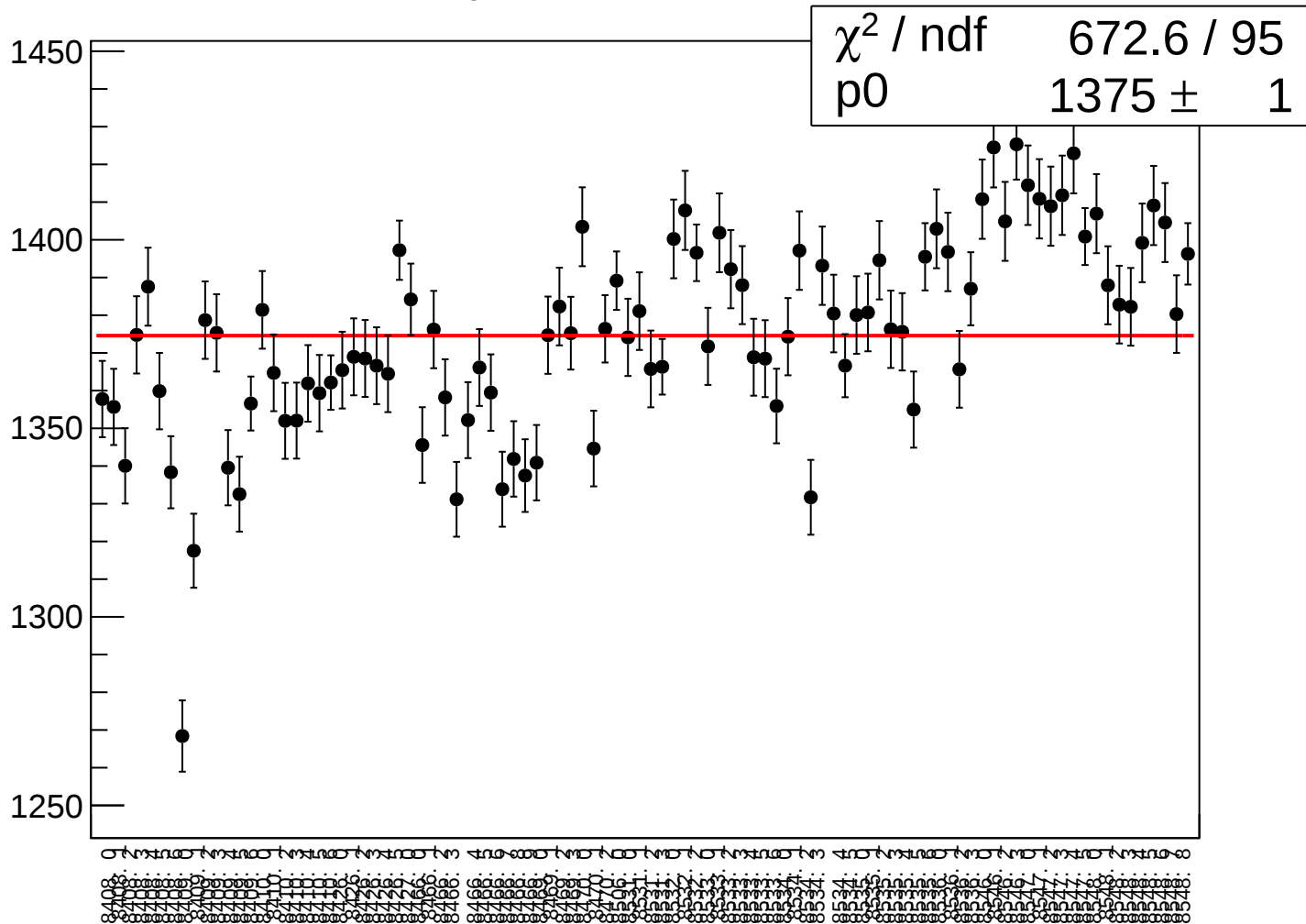
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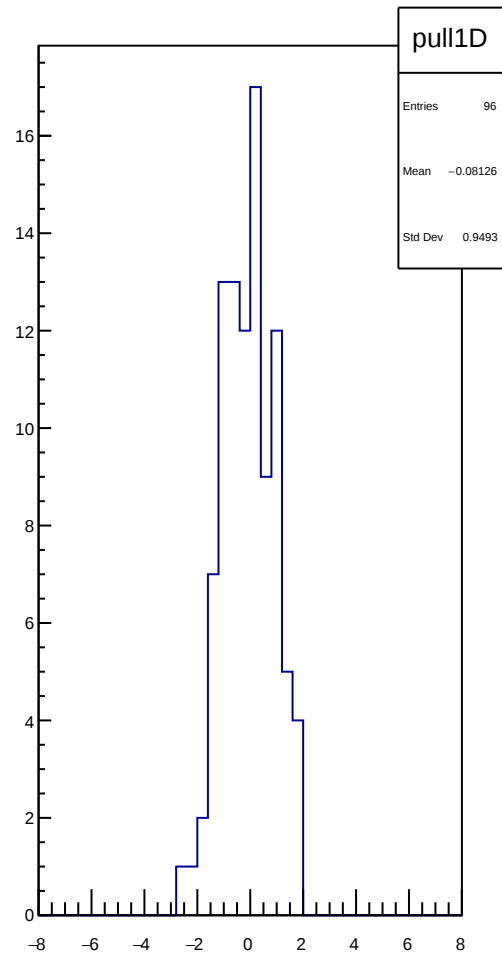
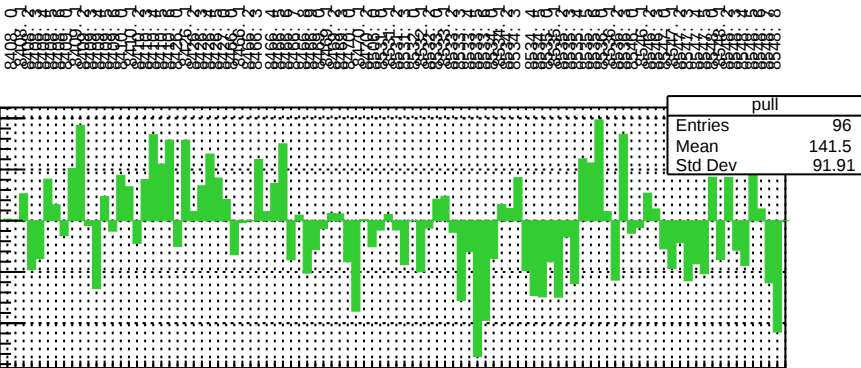
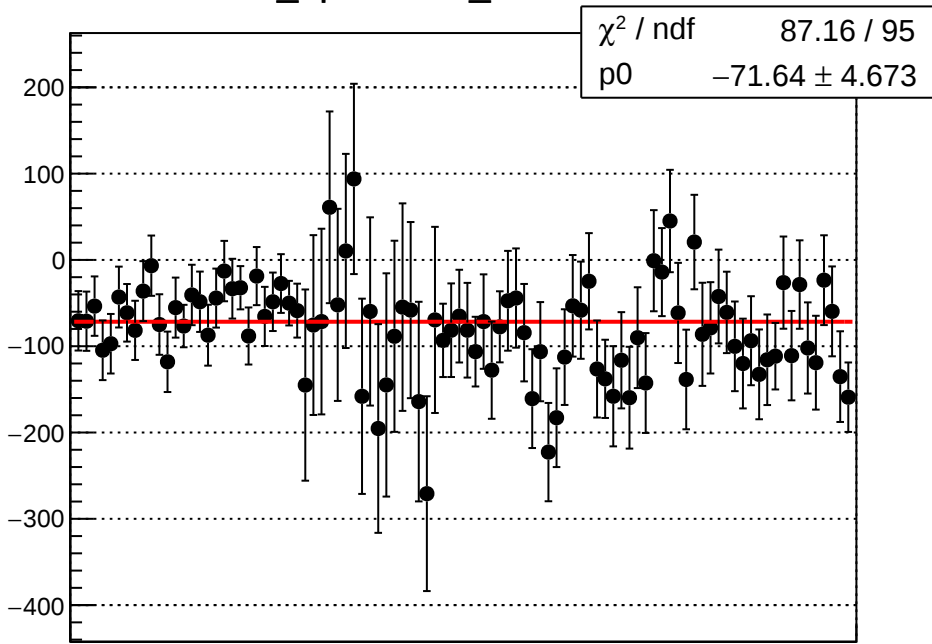
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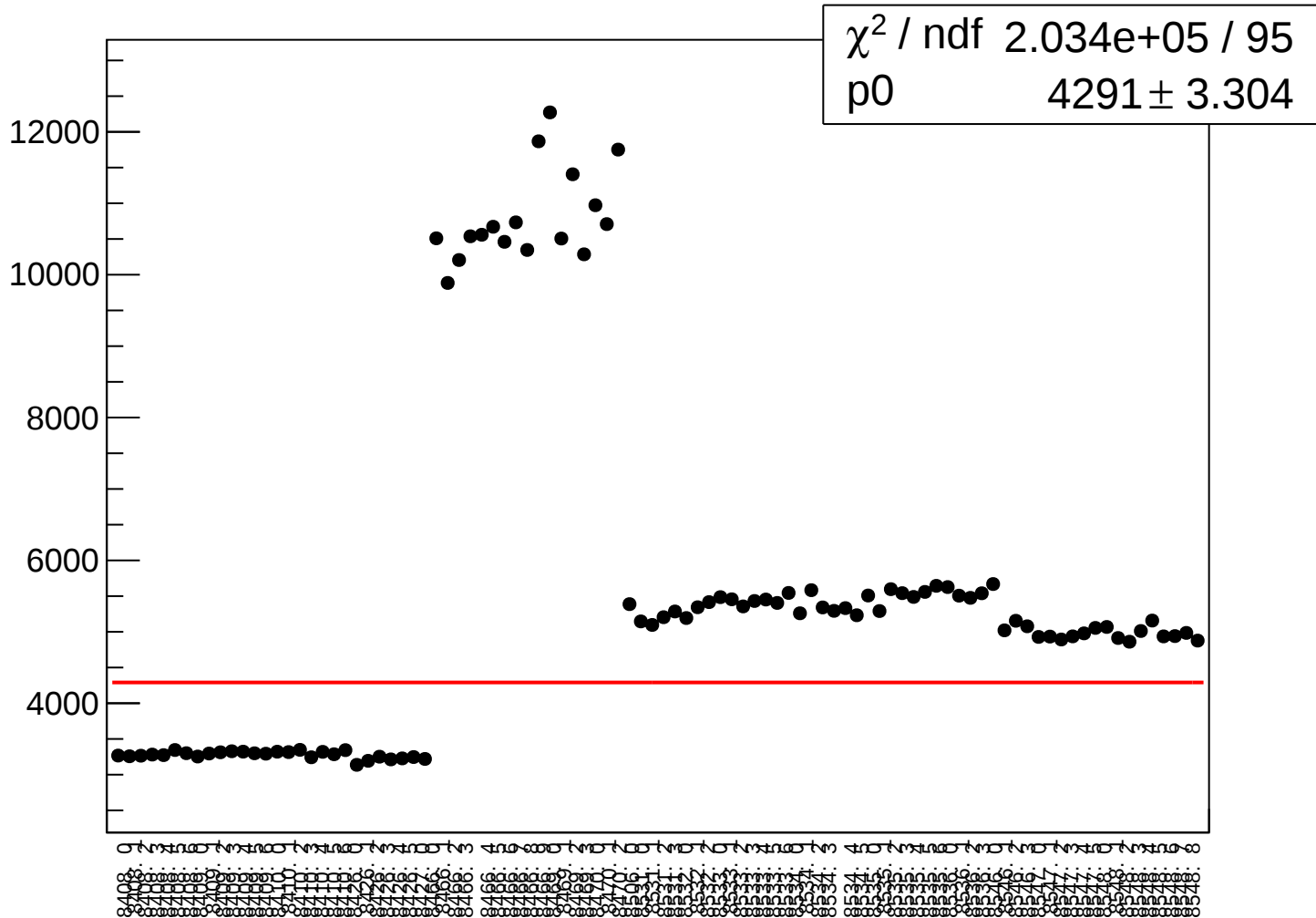
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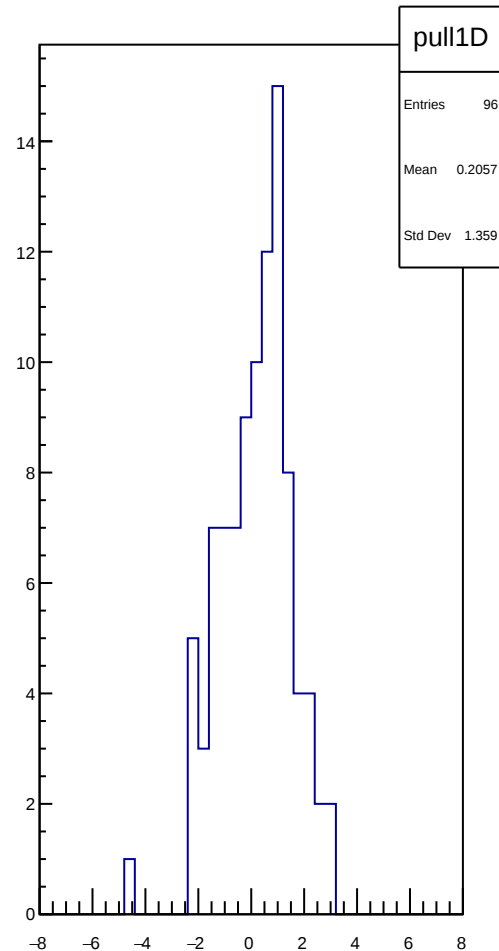
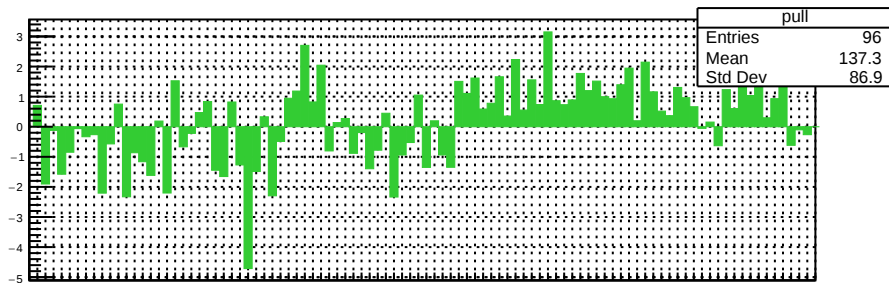
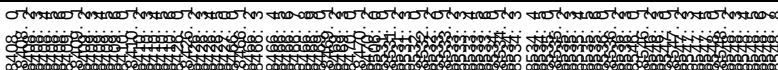
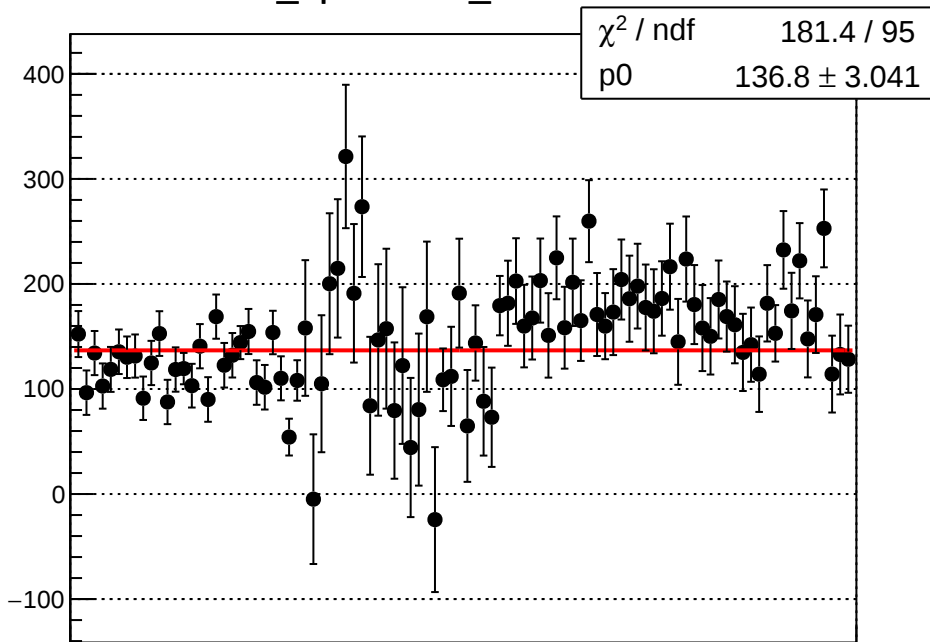
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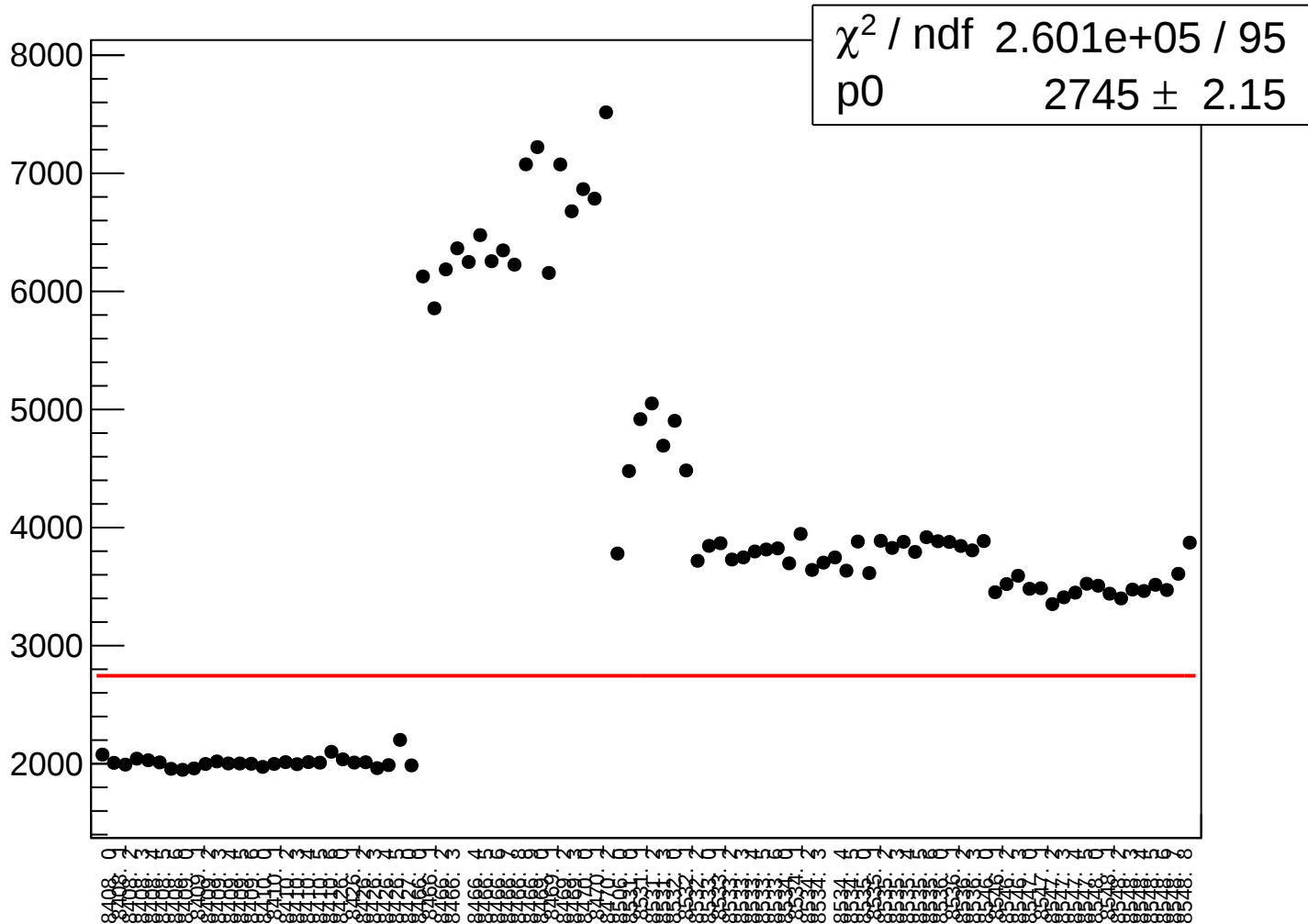
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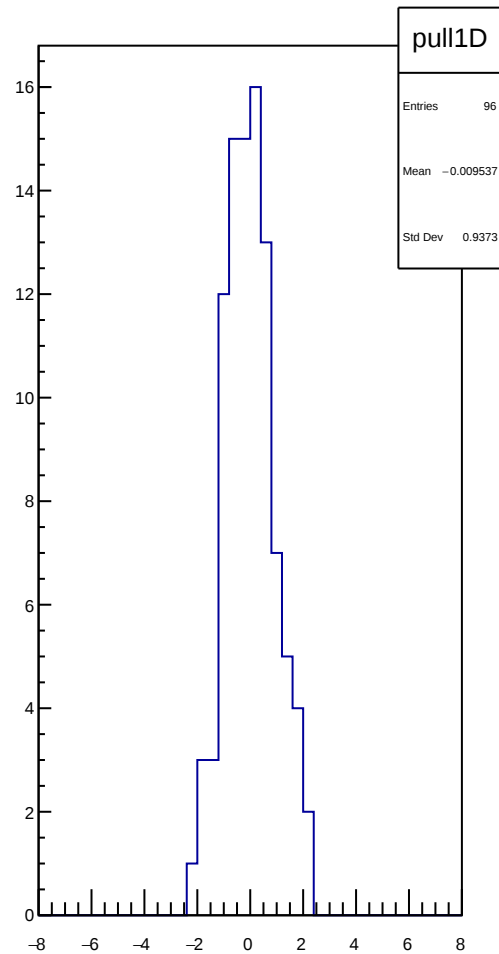
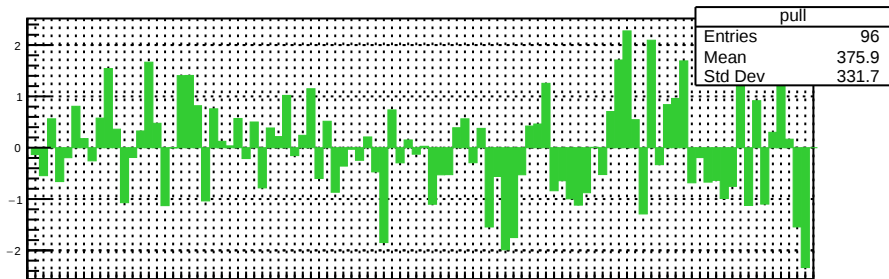
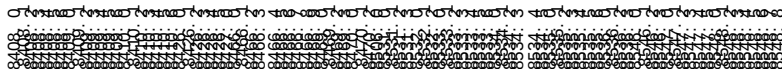
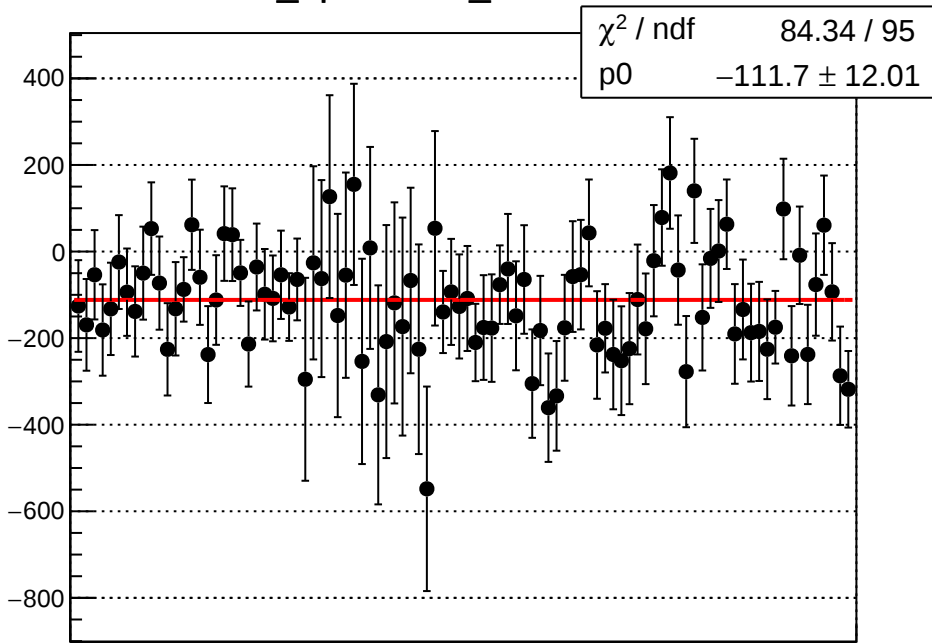
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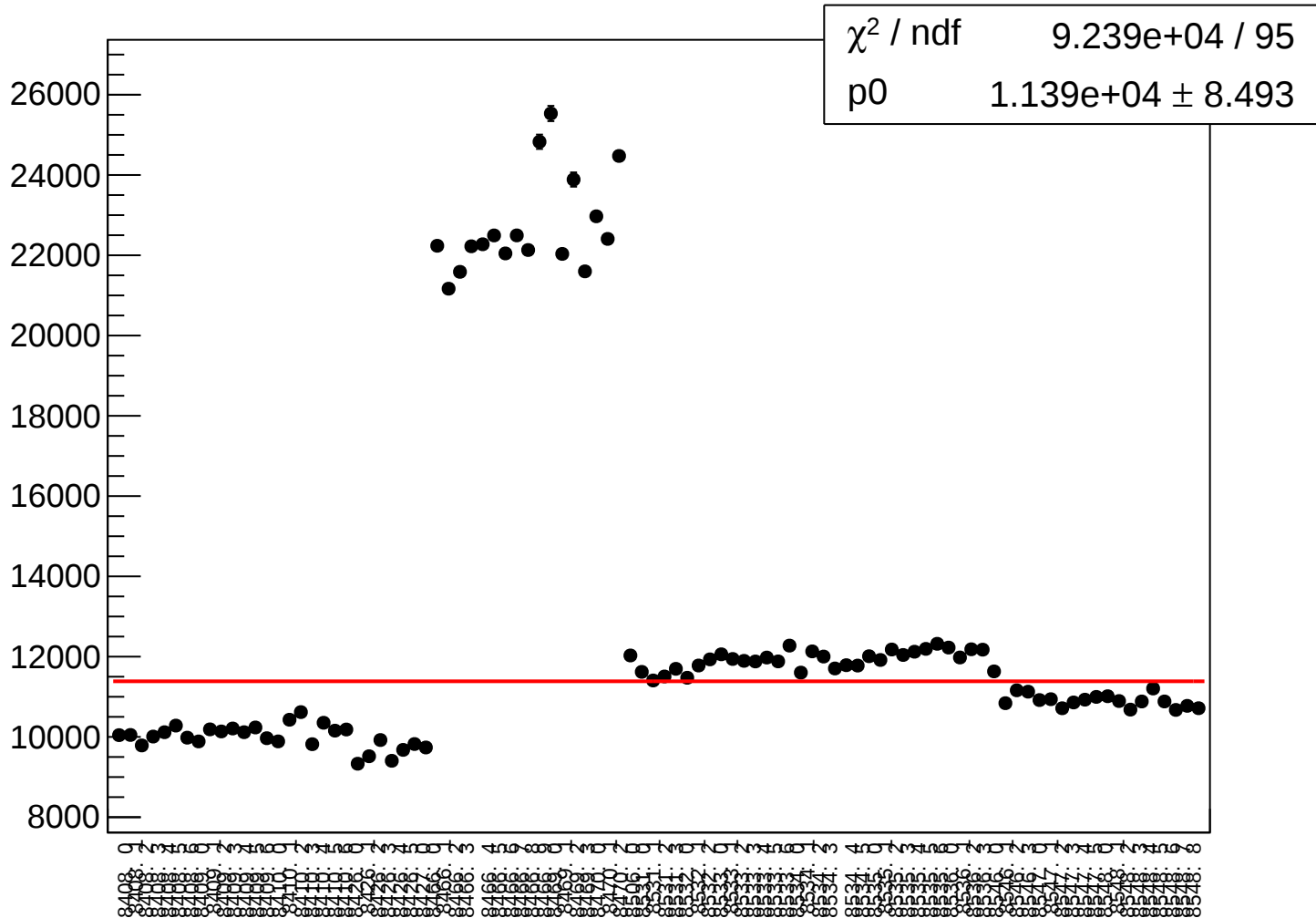
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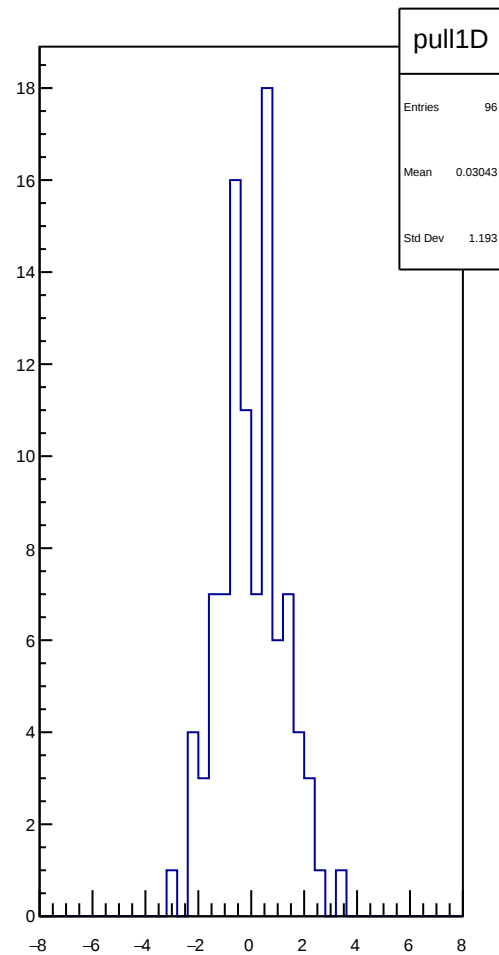
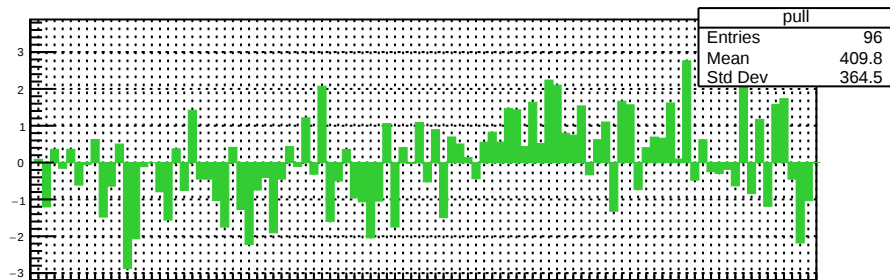
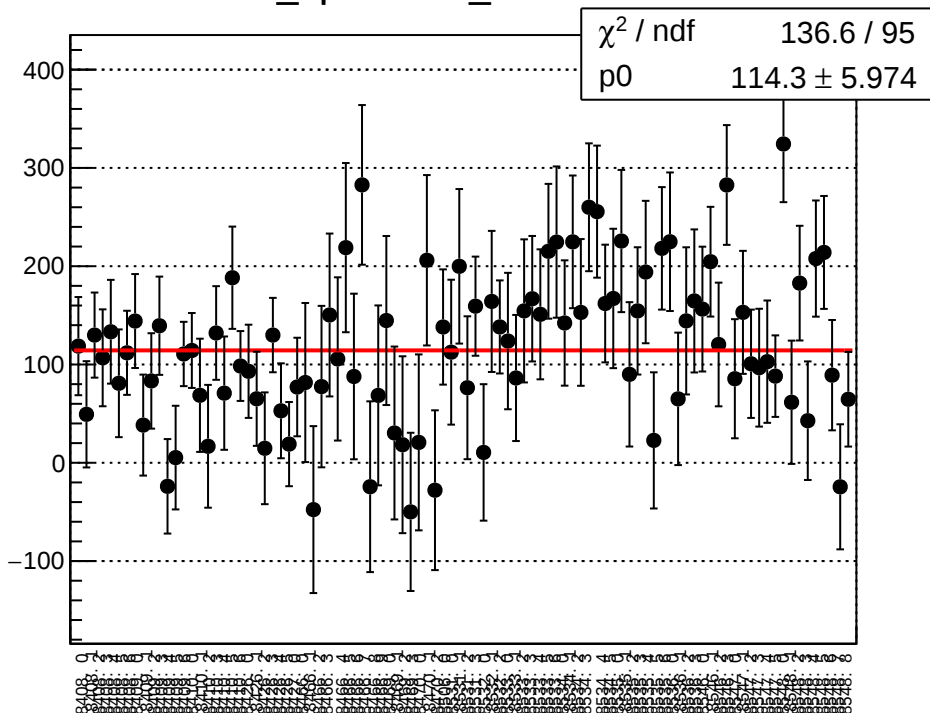
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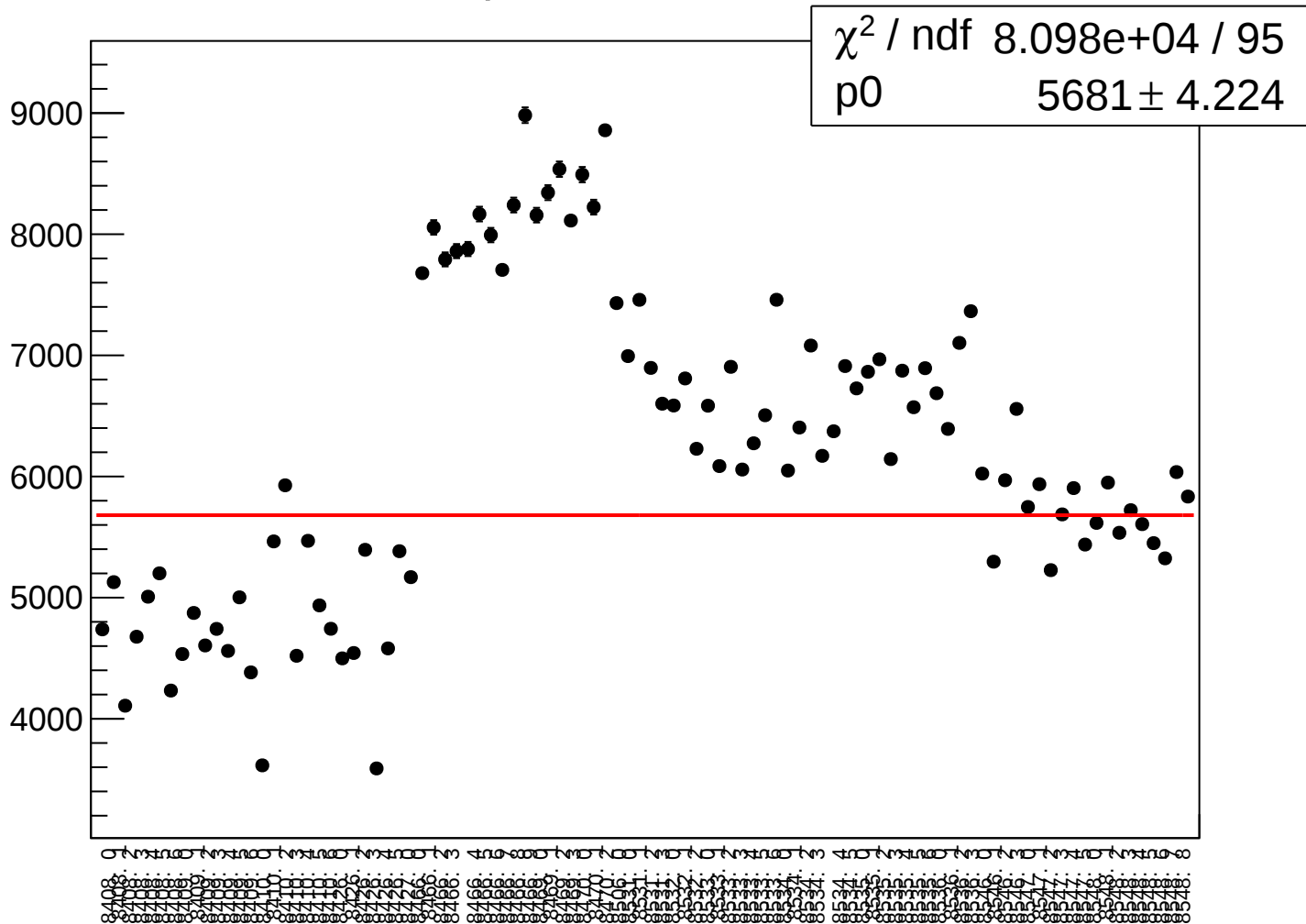
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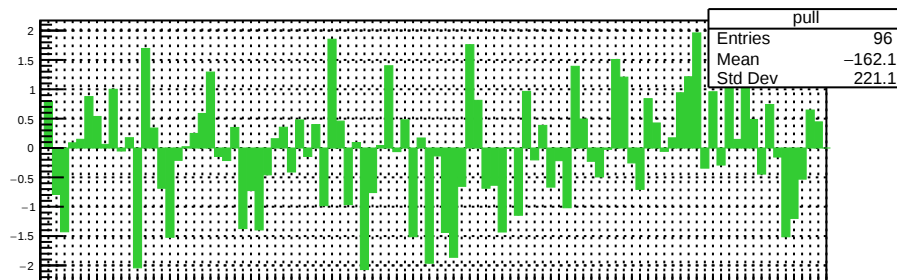
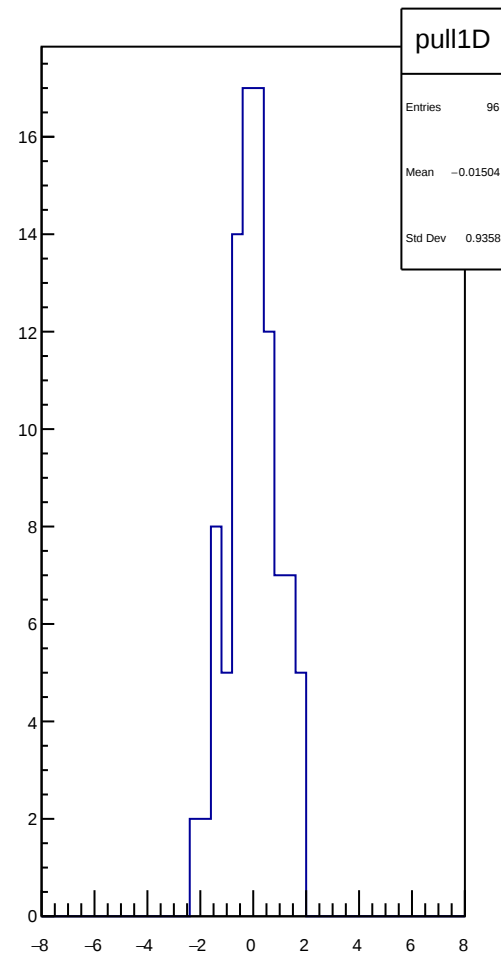
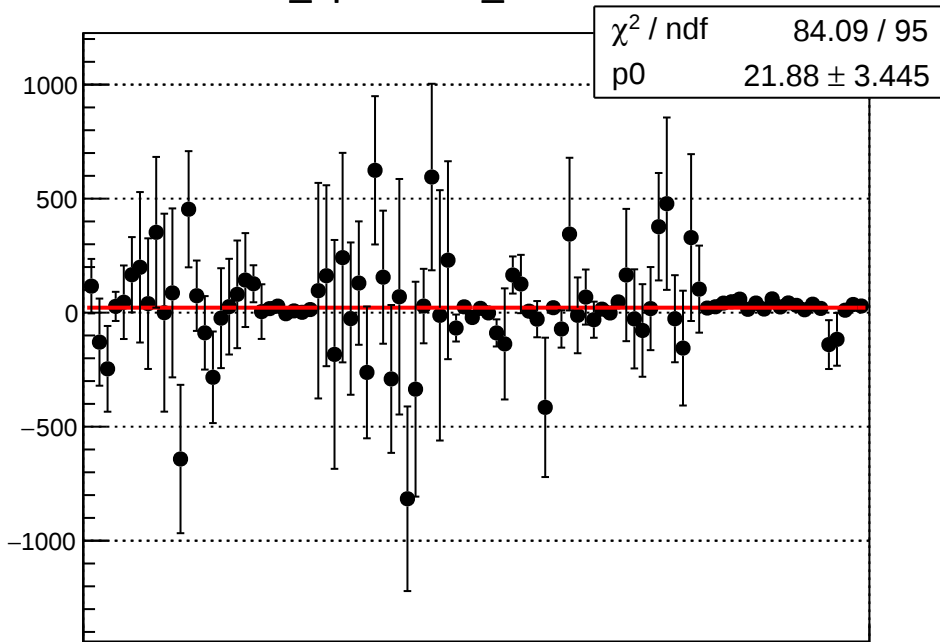
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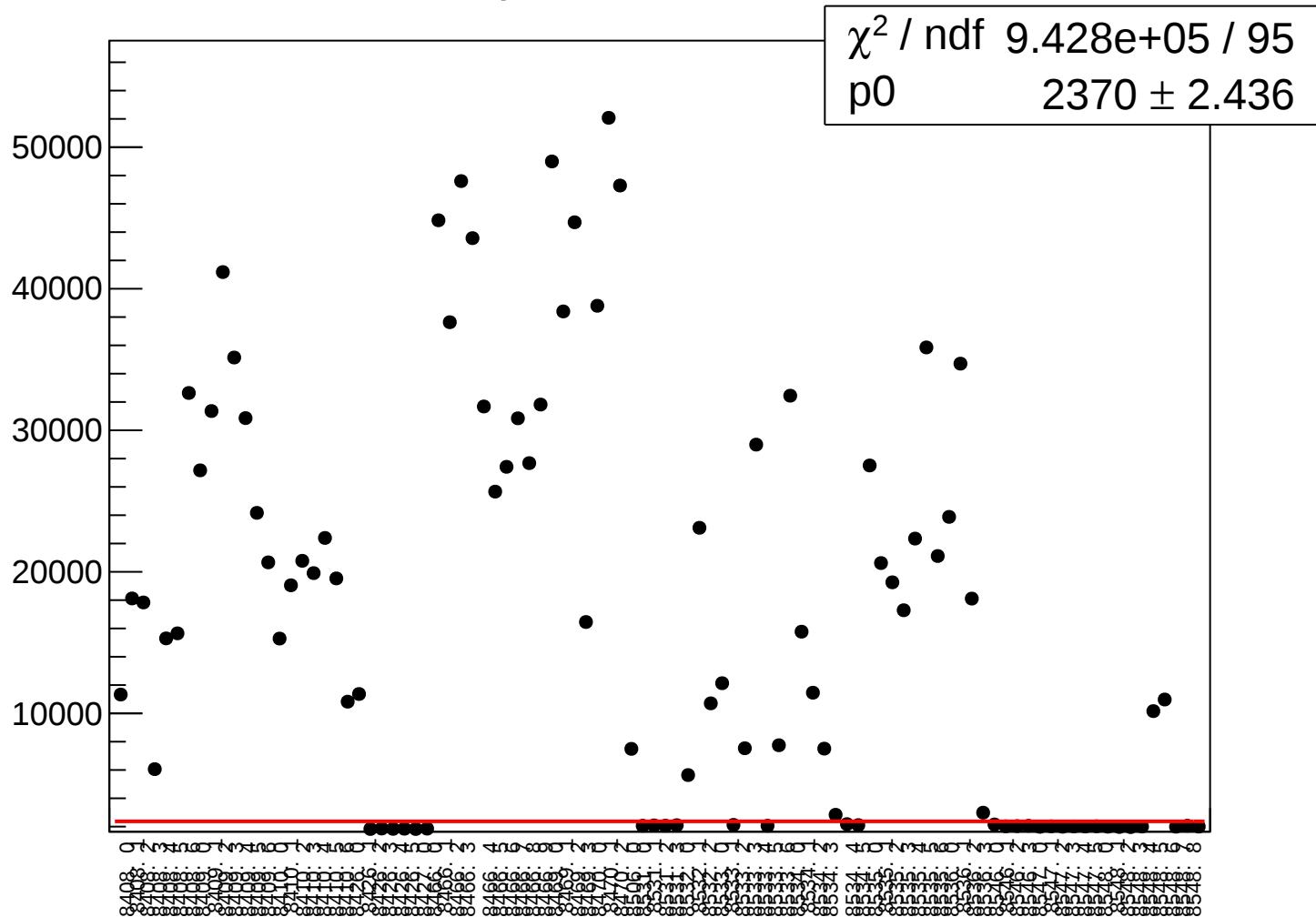
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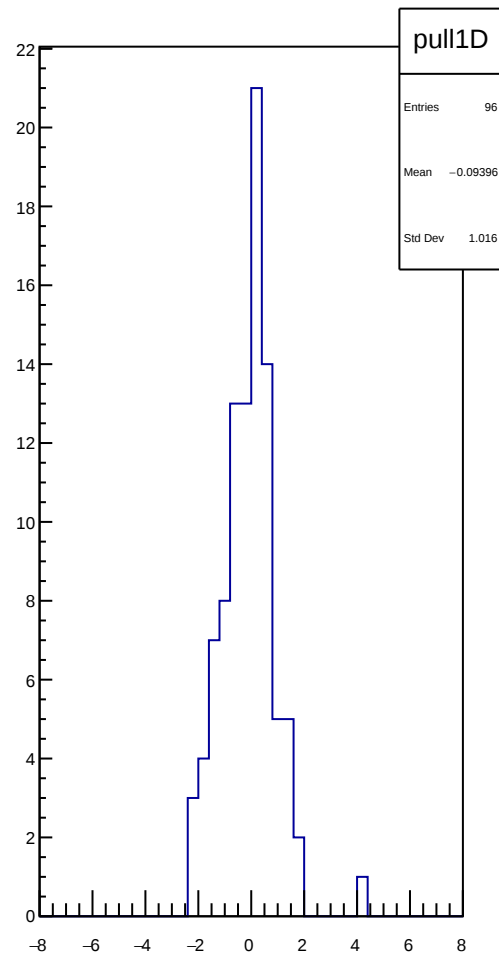
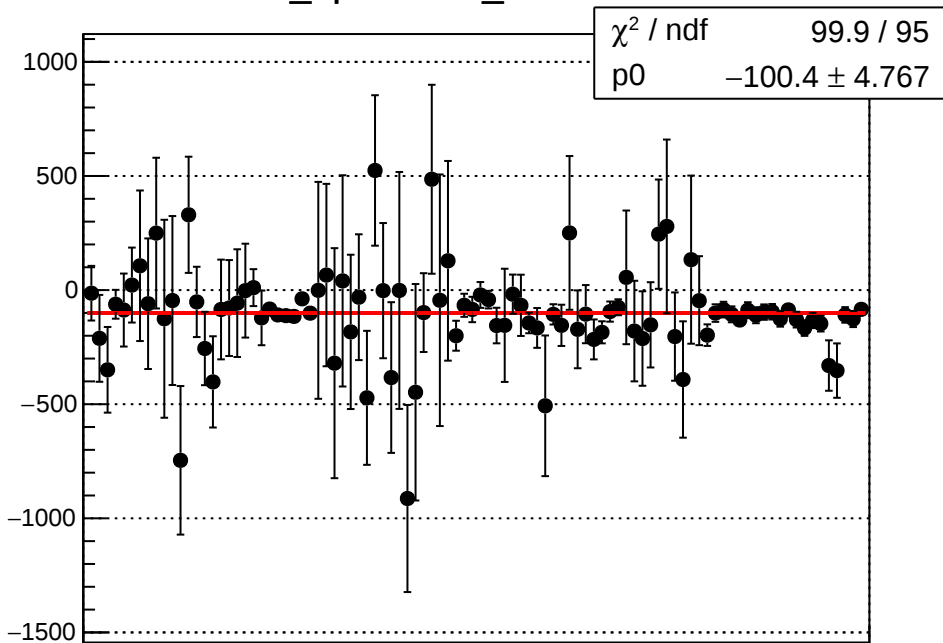
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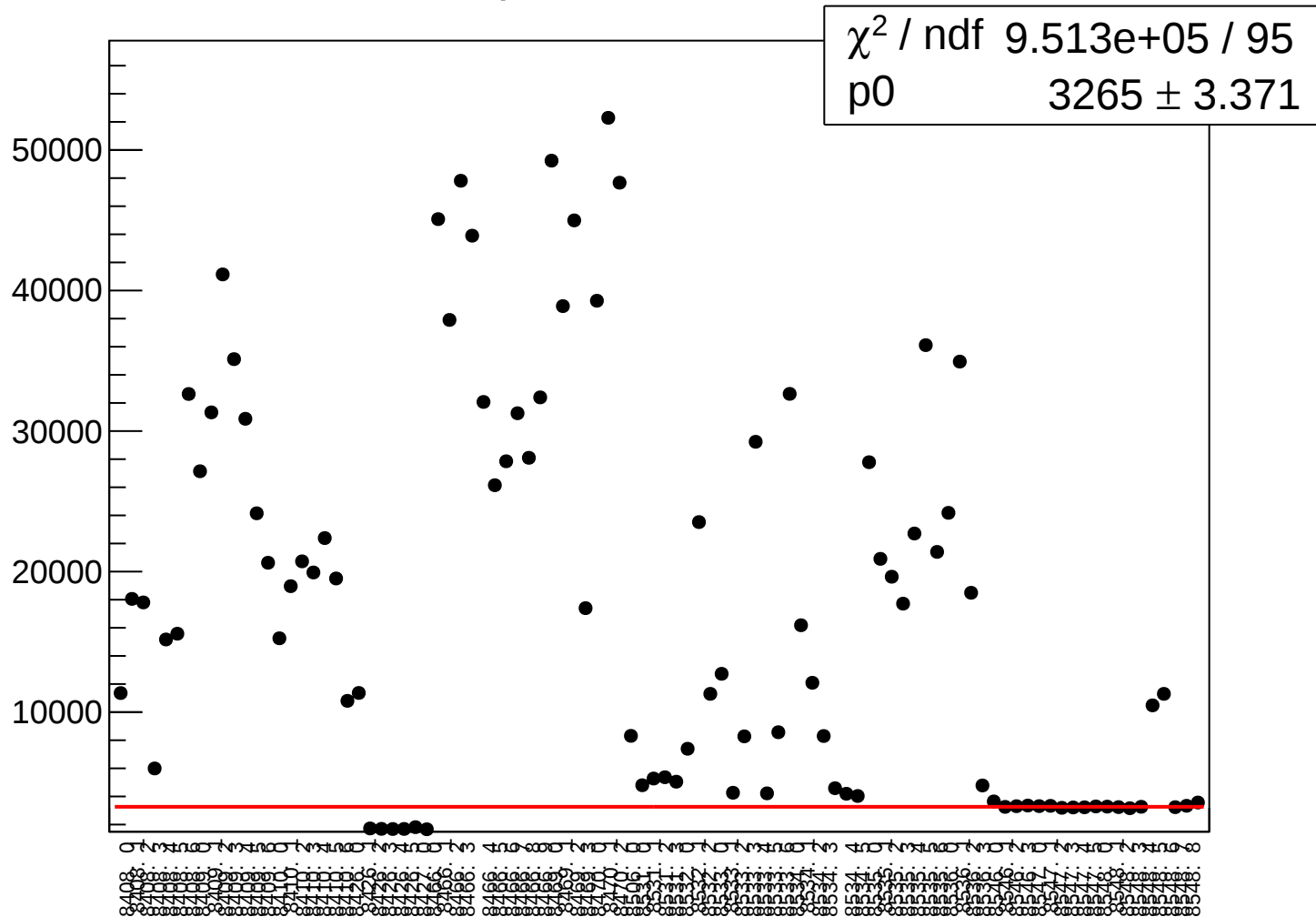
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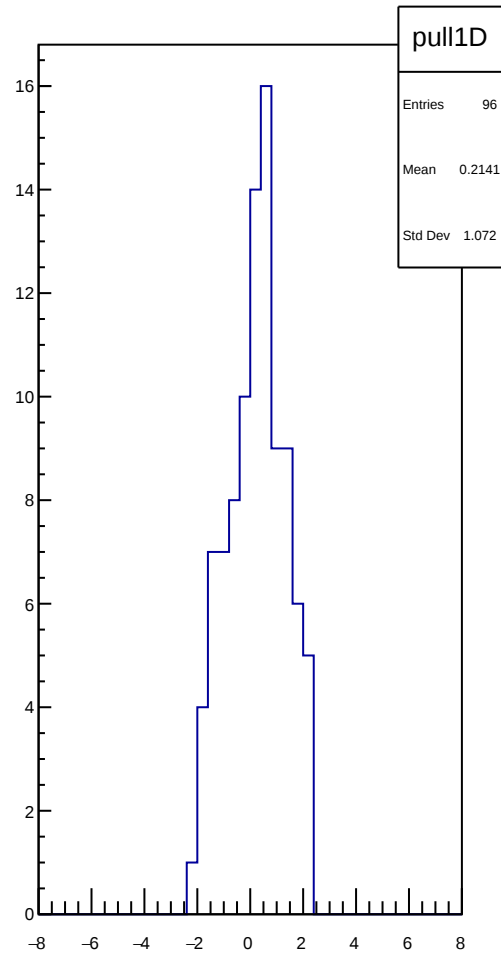
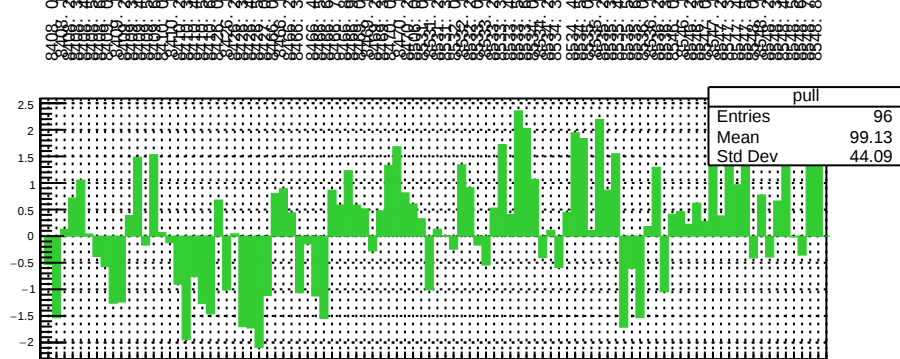
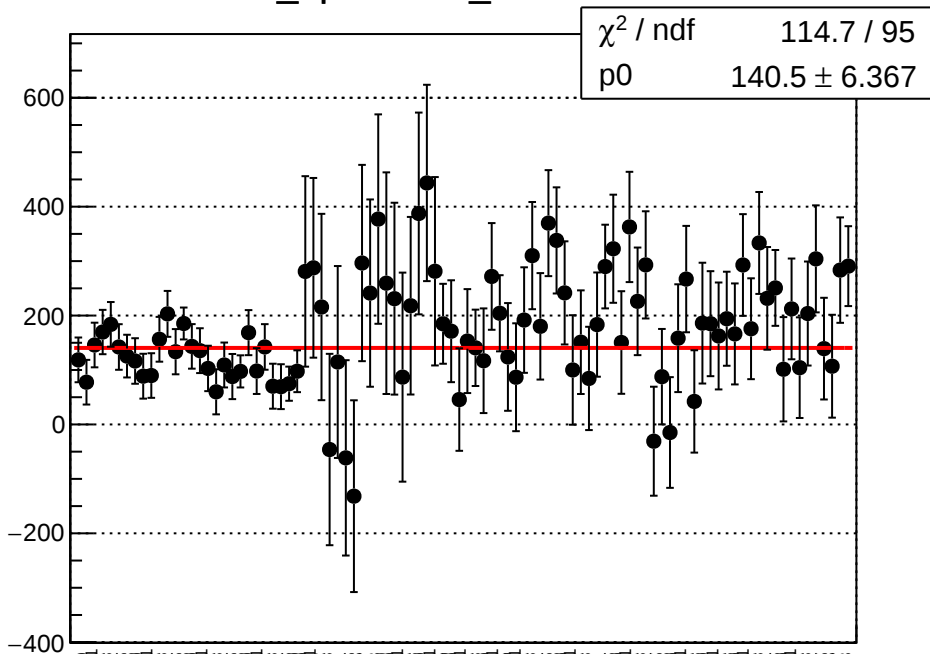
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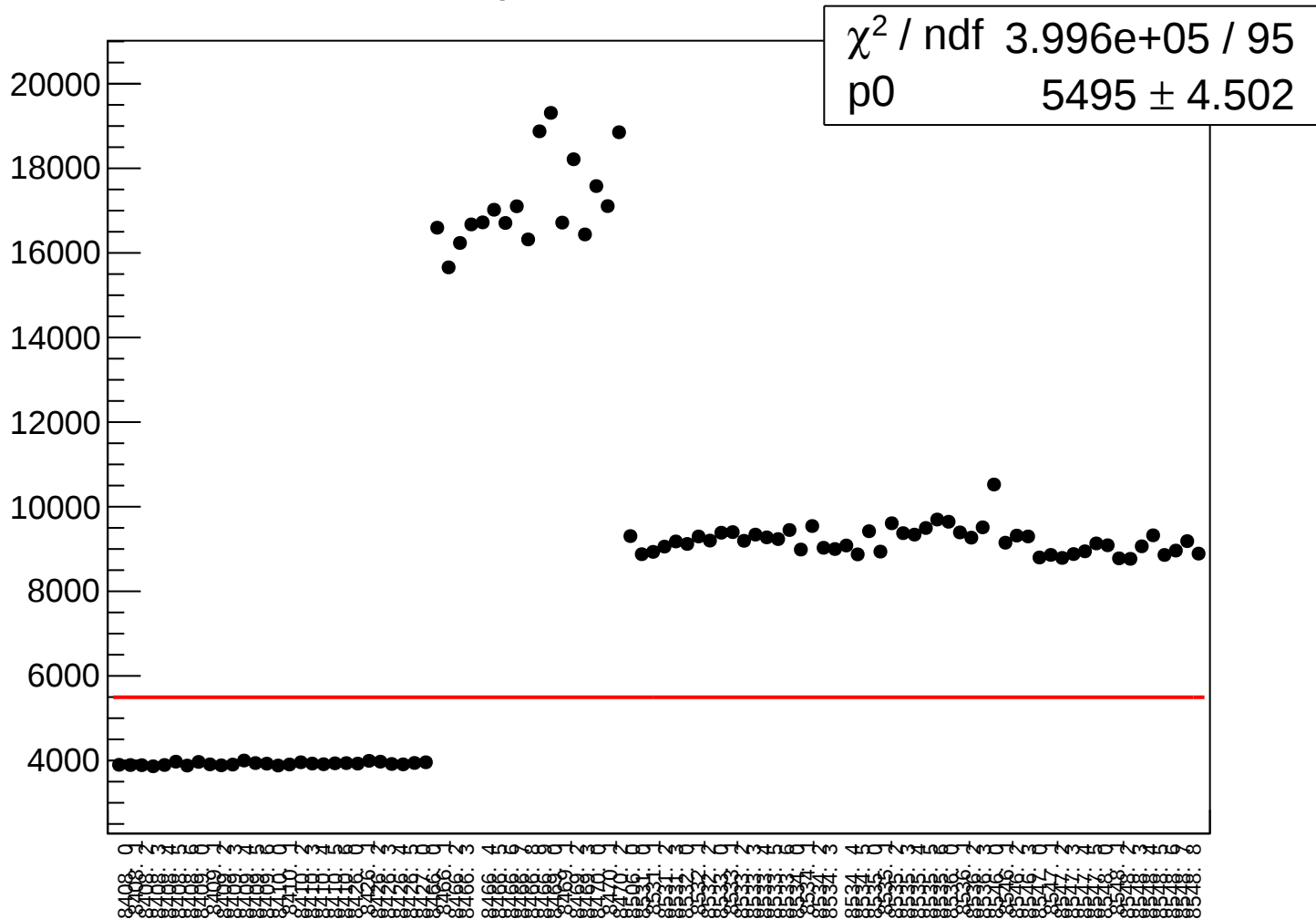
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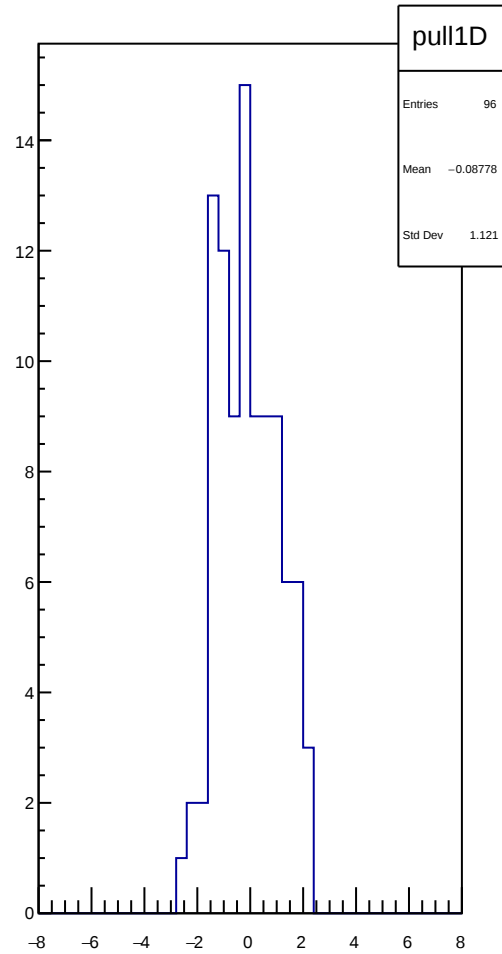
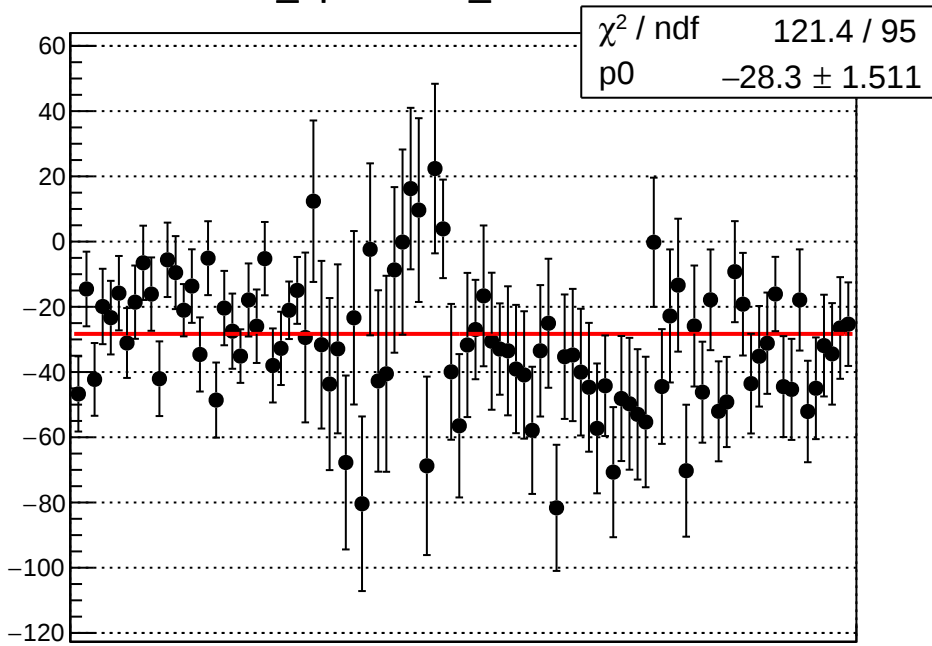
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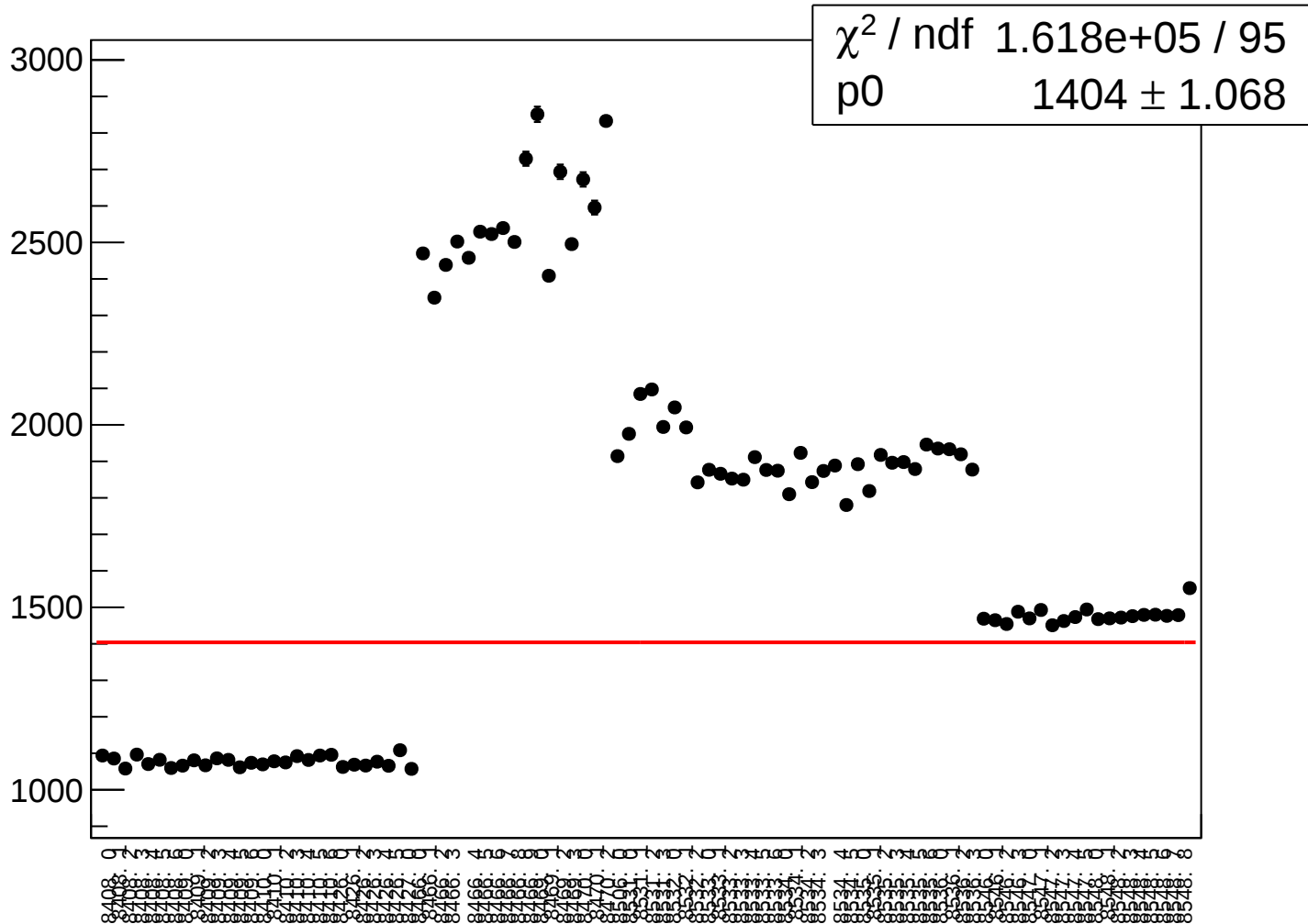
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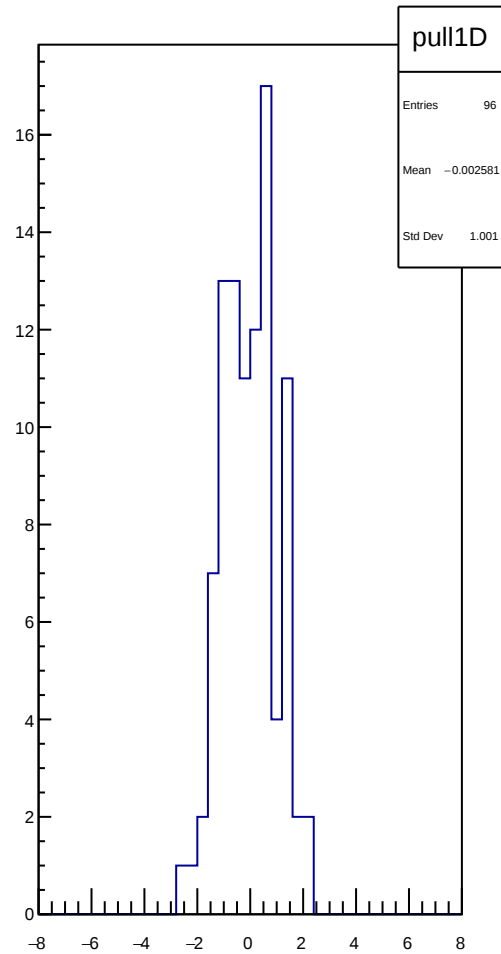
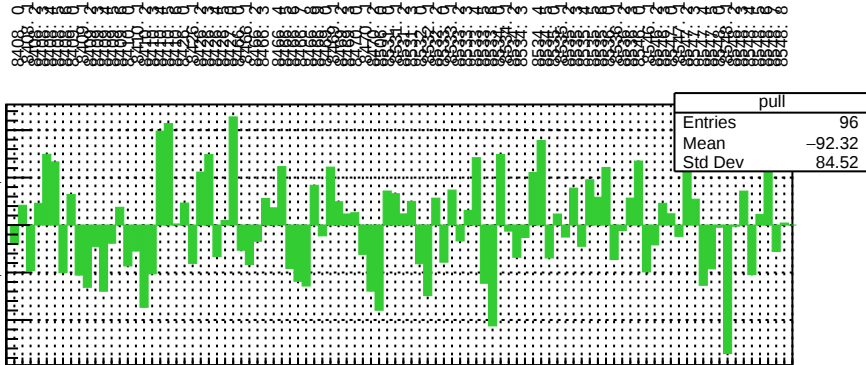
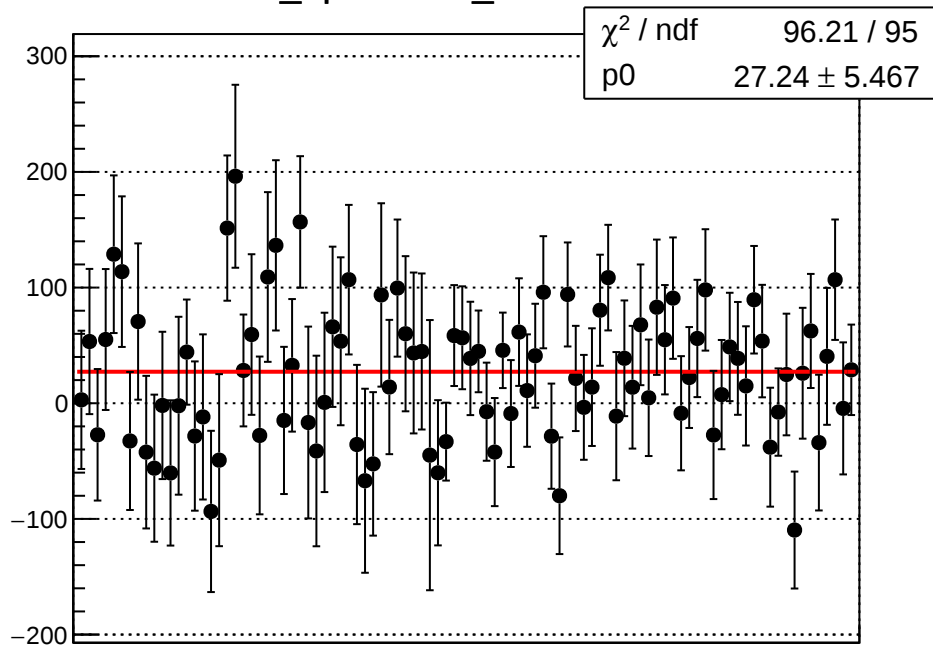
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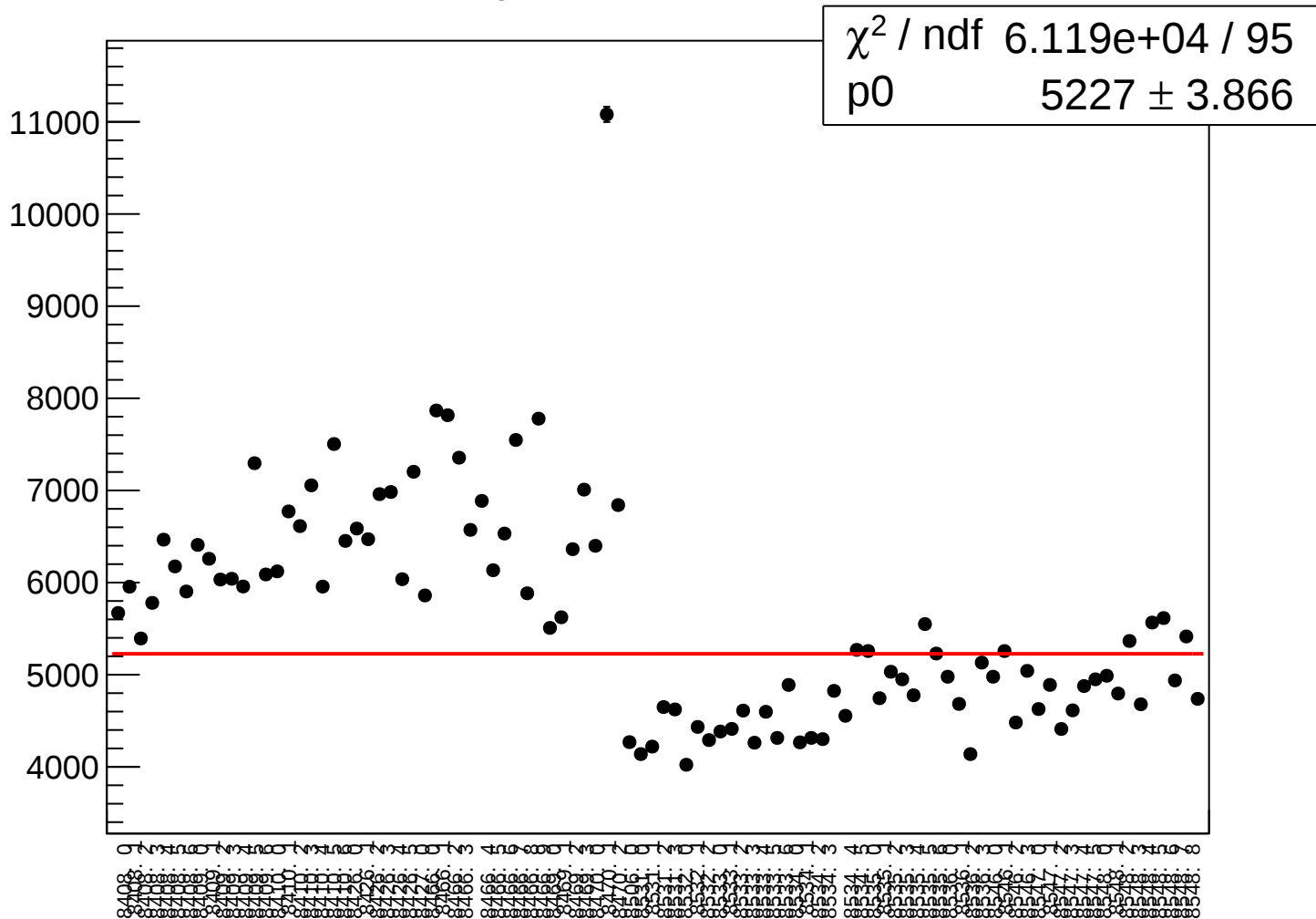
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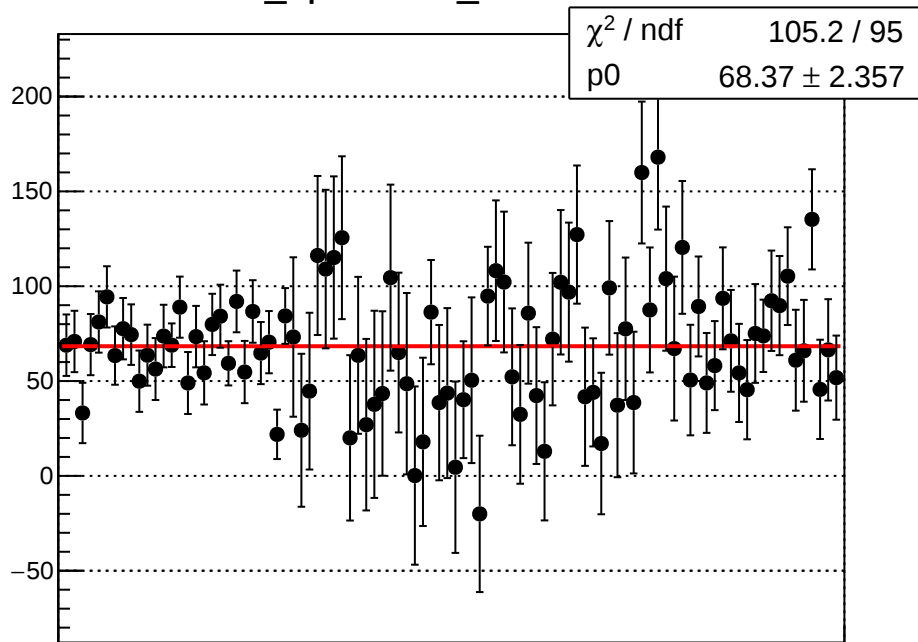
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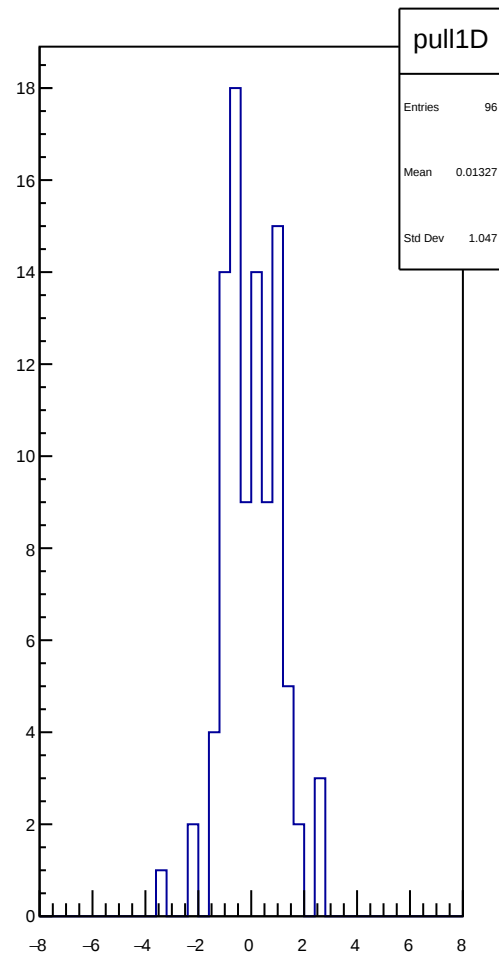
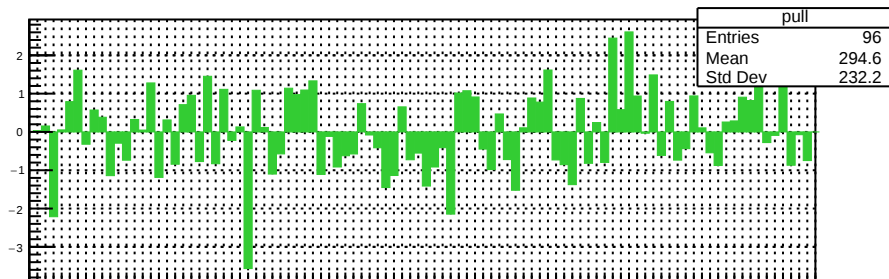
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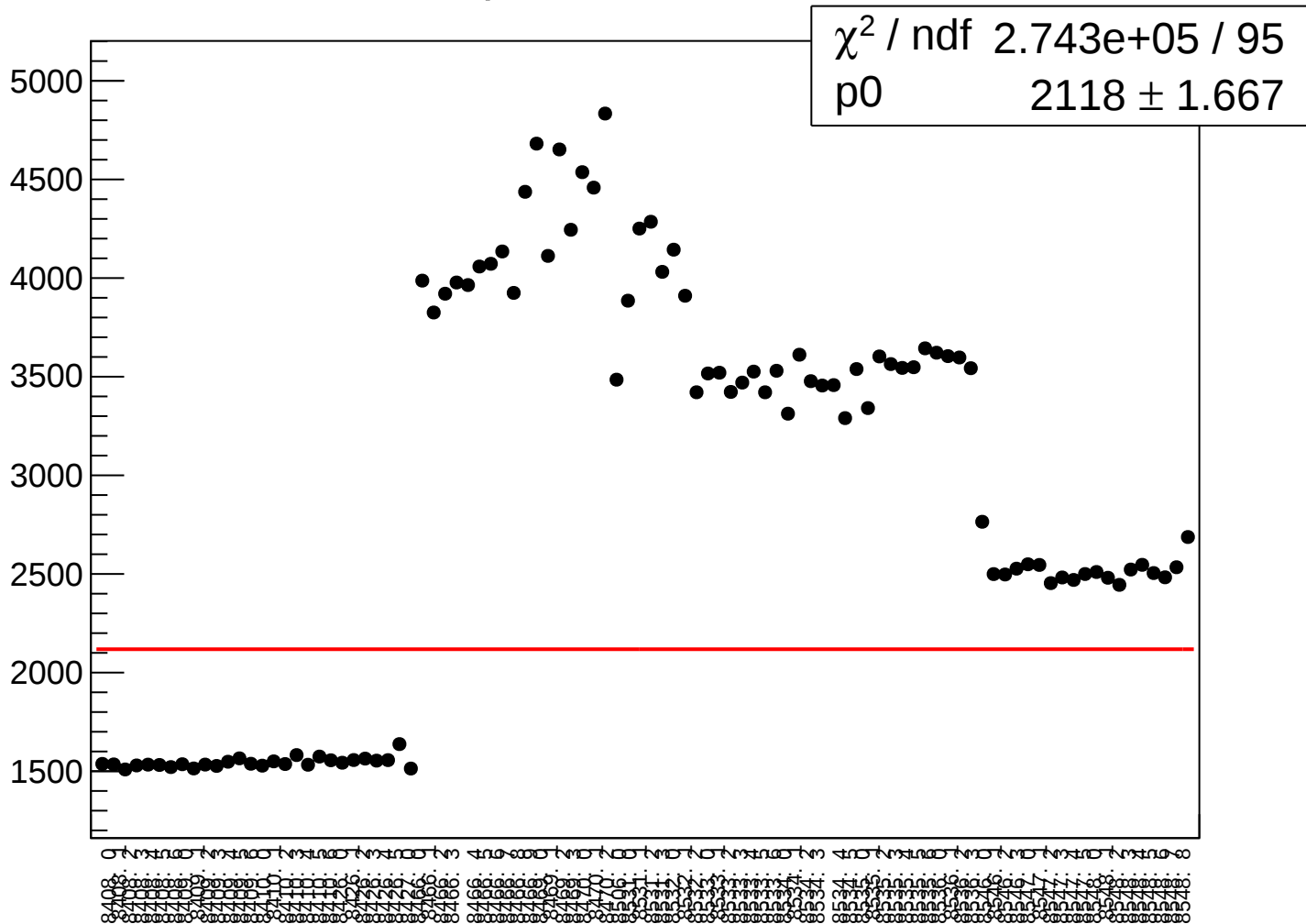
diff_bpm0I05Y_mean vs run



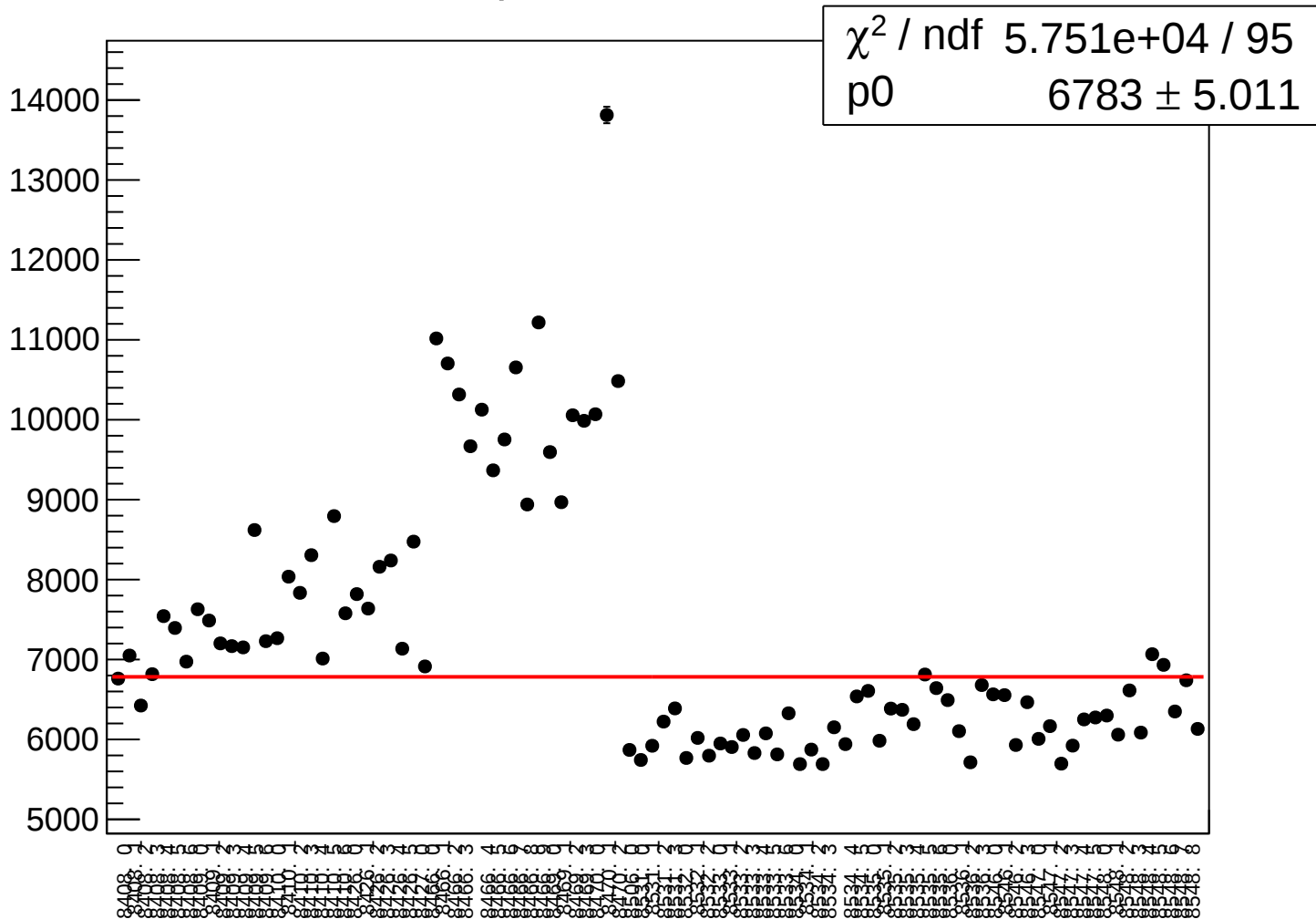
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000



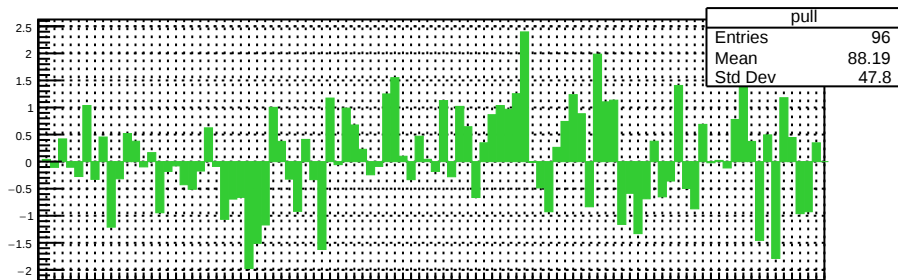
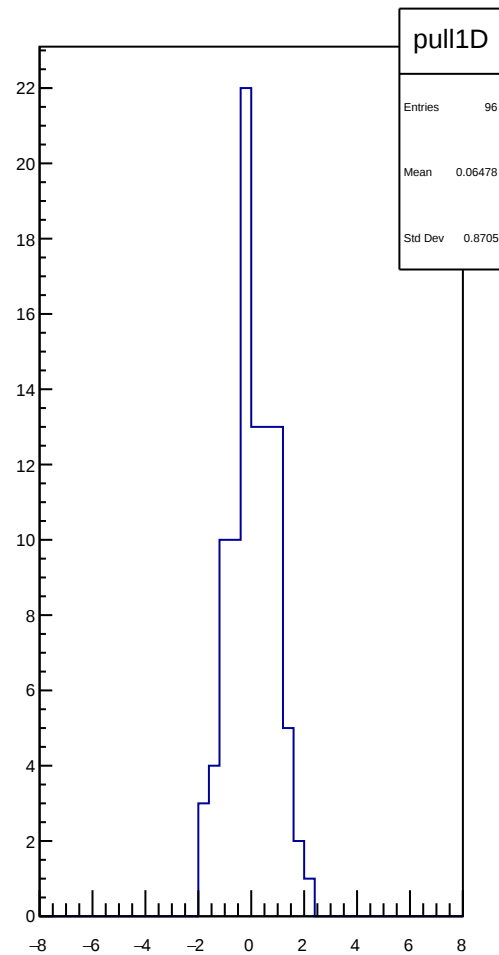
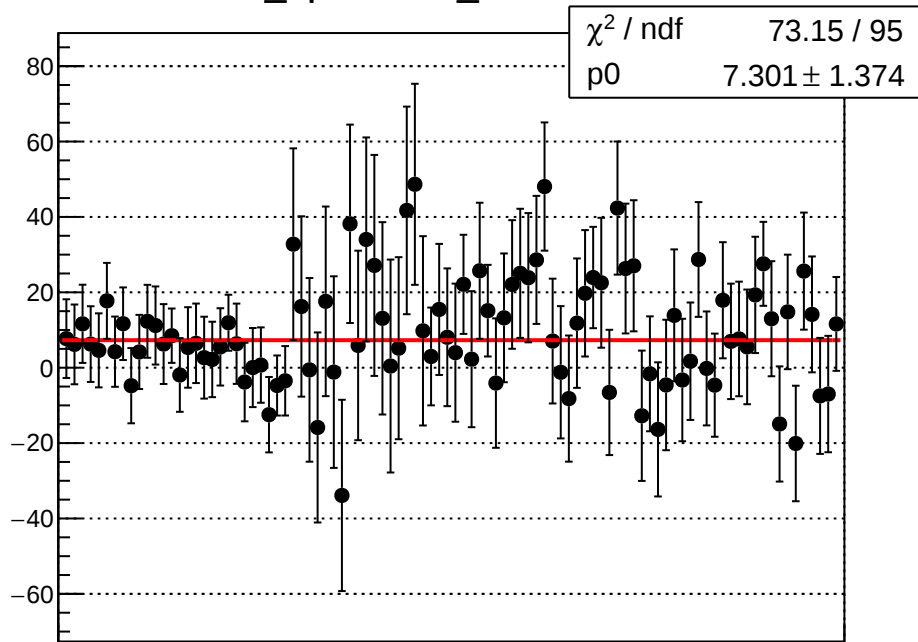
diff_bpm0l05Y_rms vs run



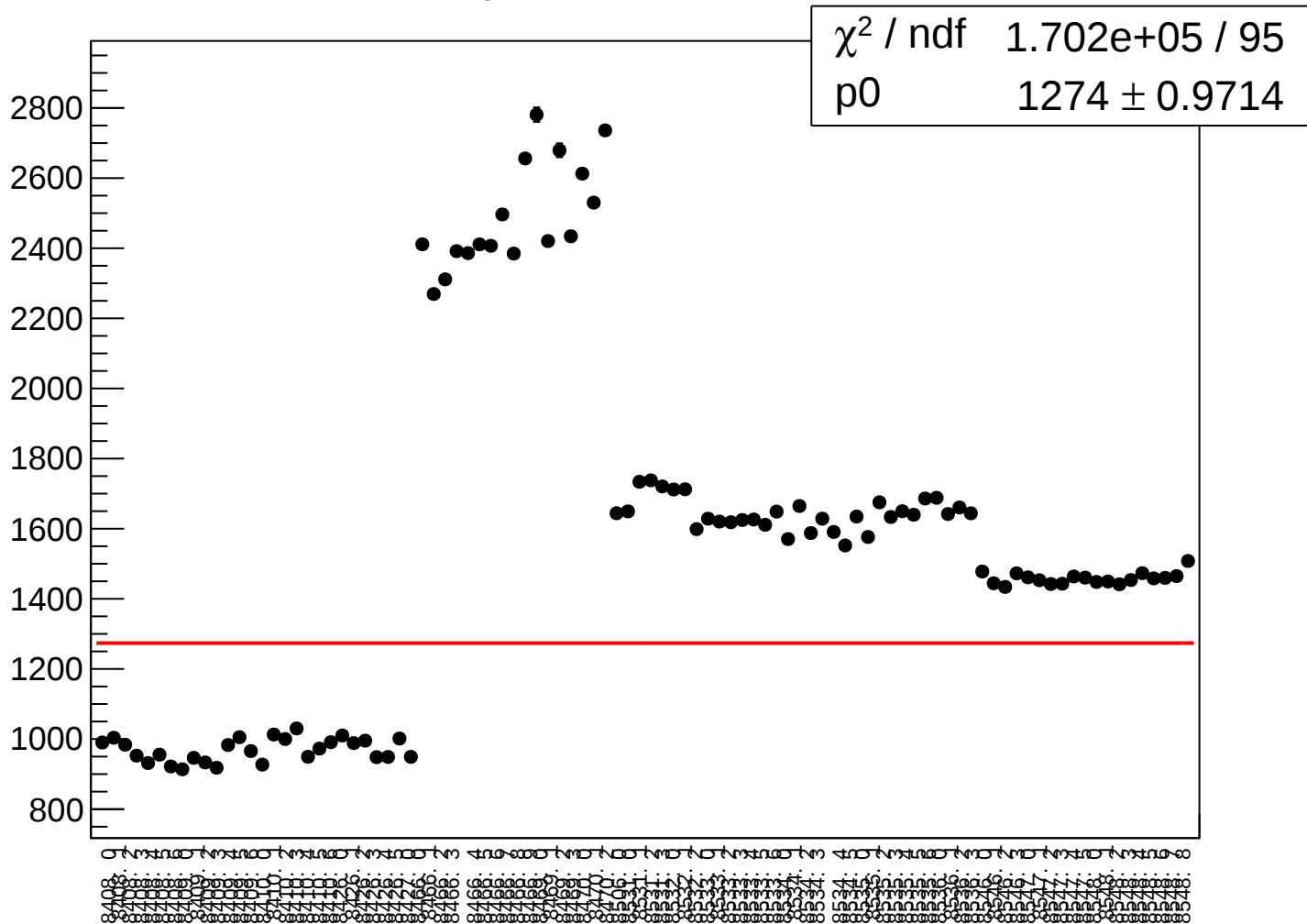
diff_bpm0l06X_rms vs run



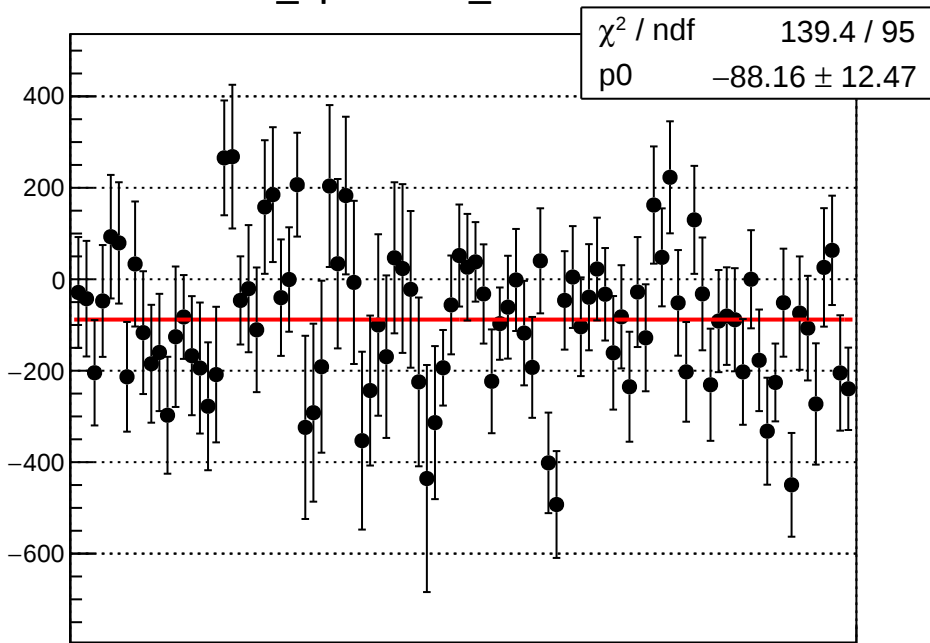
diff_bpm0I06Y_mean vs run



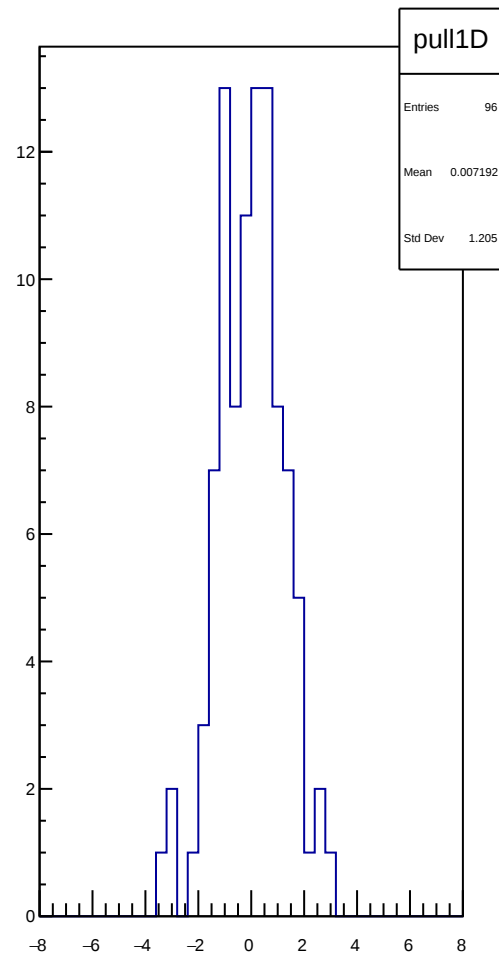
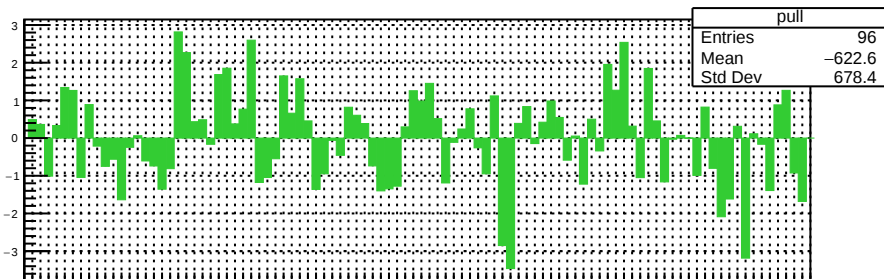
diff_bpm0l06Y_rms vs run



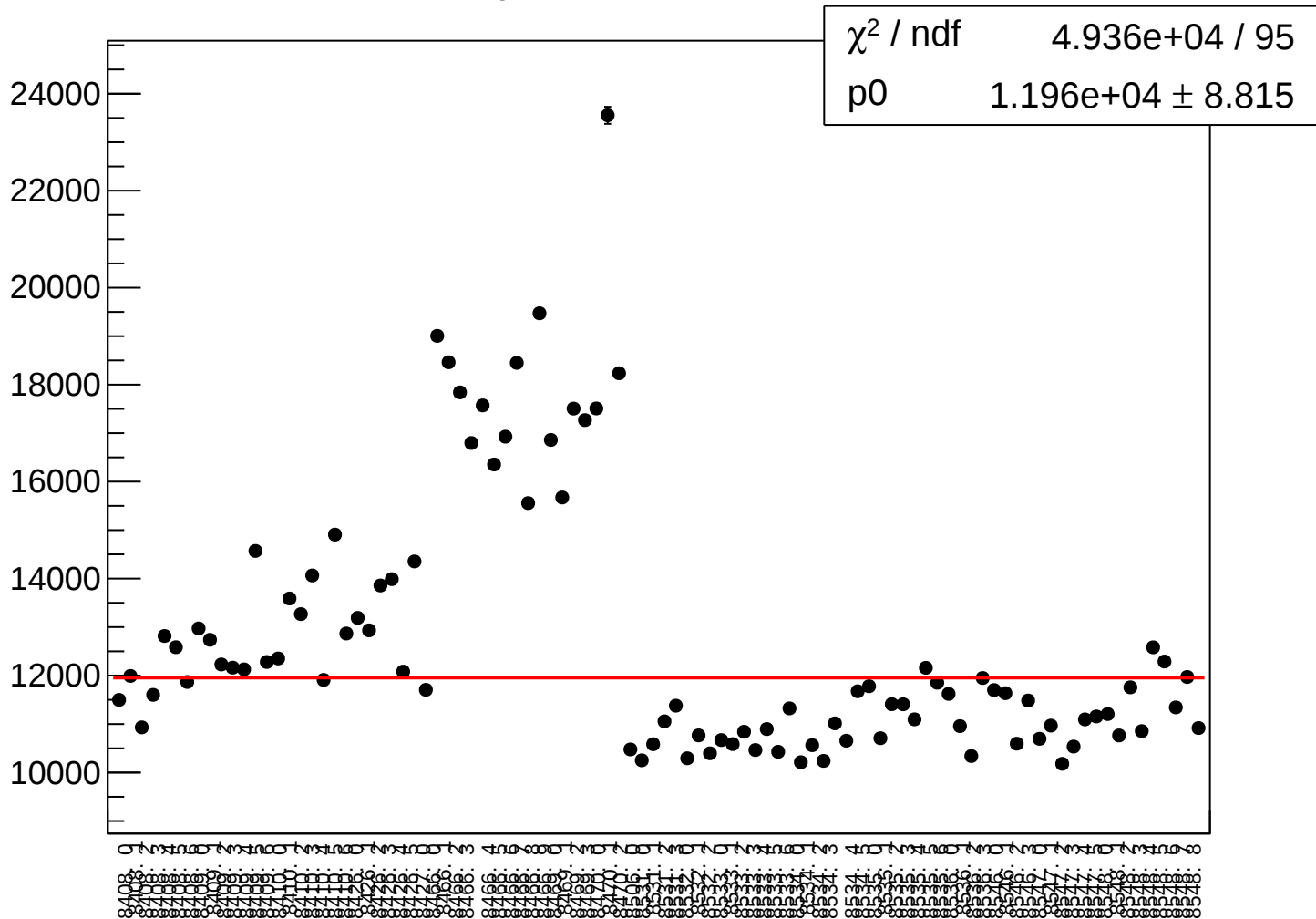
diff_bpm0I07X_mean vs run



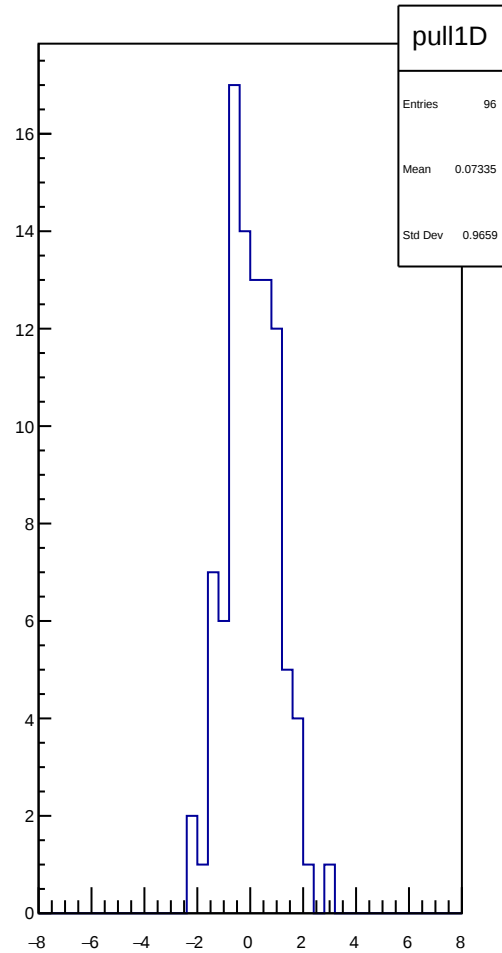
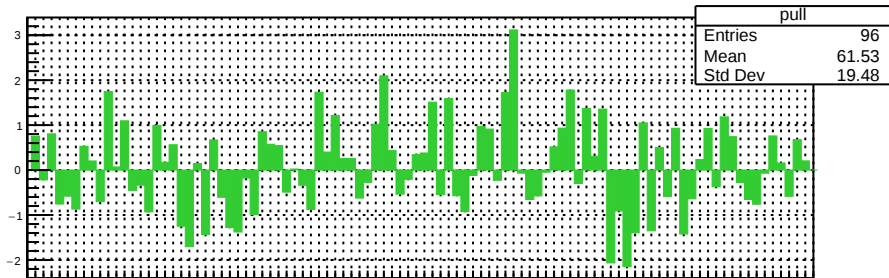
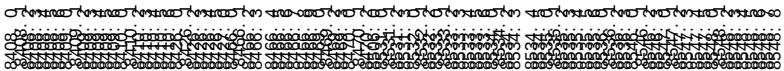
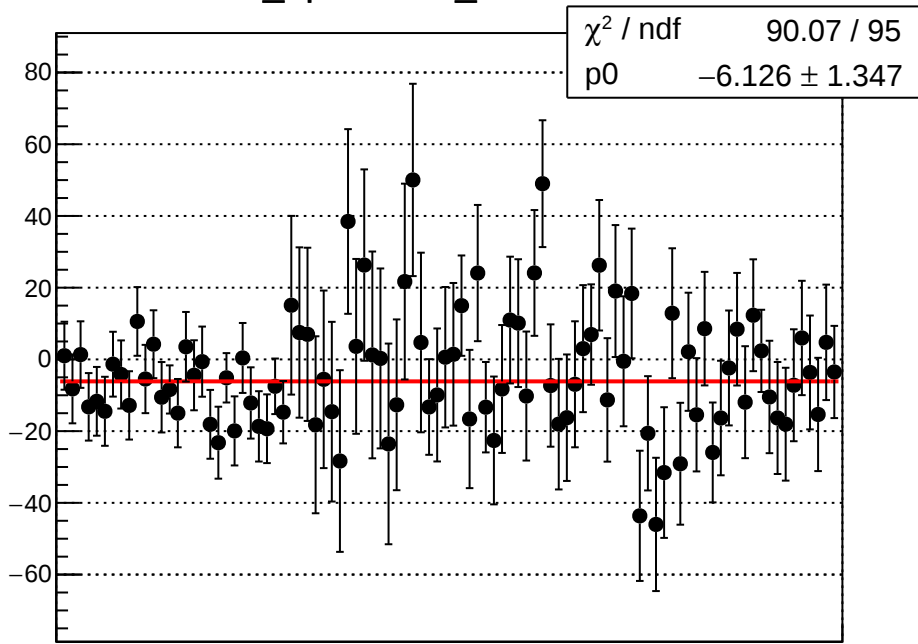
Correlation plot showing the difference in BPM0I07X mean versus run. The x-axis ranges from -8 to 8. The y-axis ranges from -3 to 3. The plot shows a series of green bars representing the correlation.



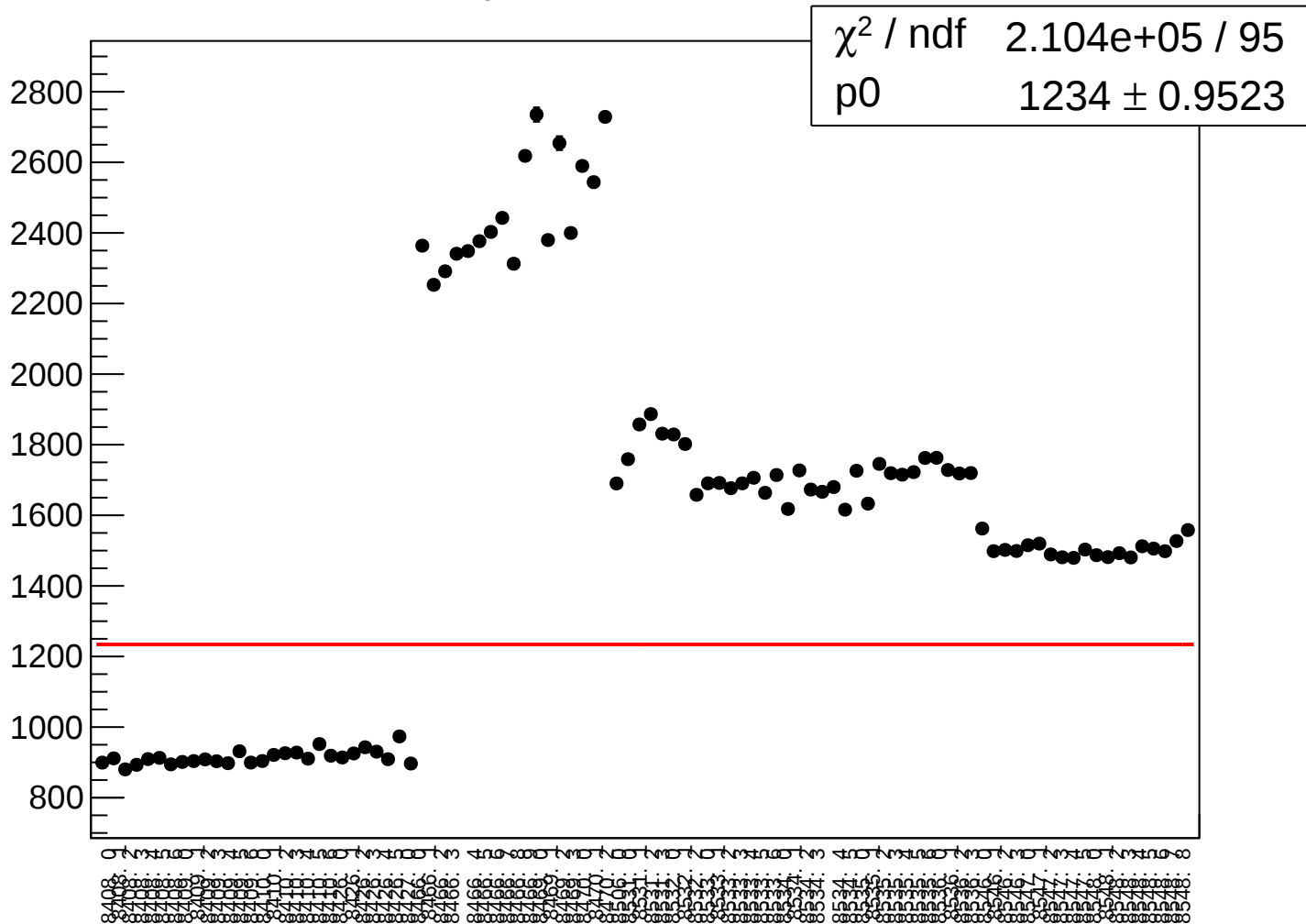
diff_bpm0l07X_rms vs run



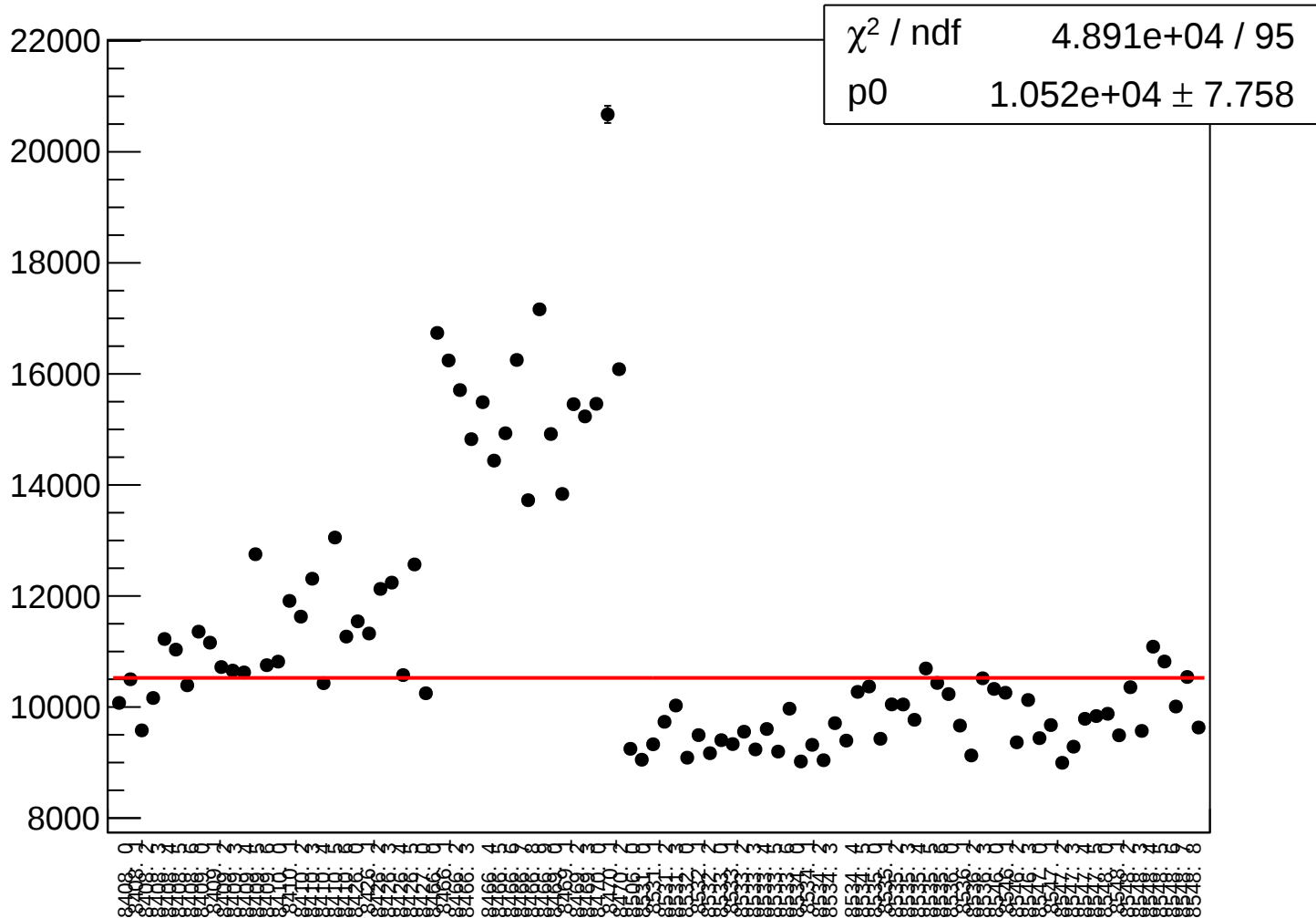
diff_bpm0l07Y_mean vs run



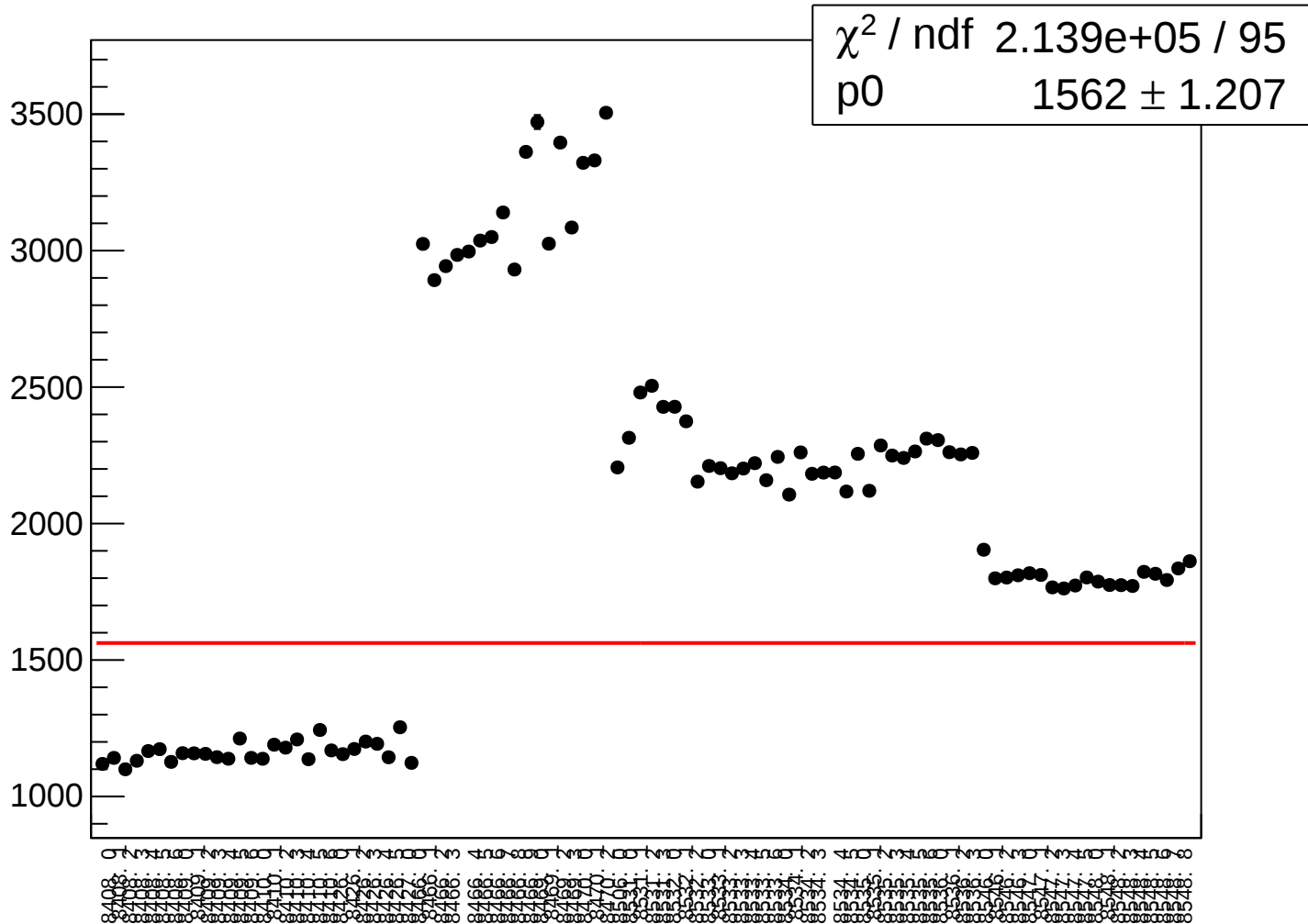
diff_bpm0l07Y_rms vs run



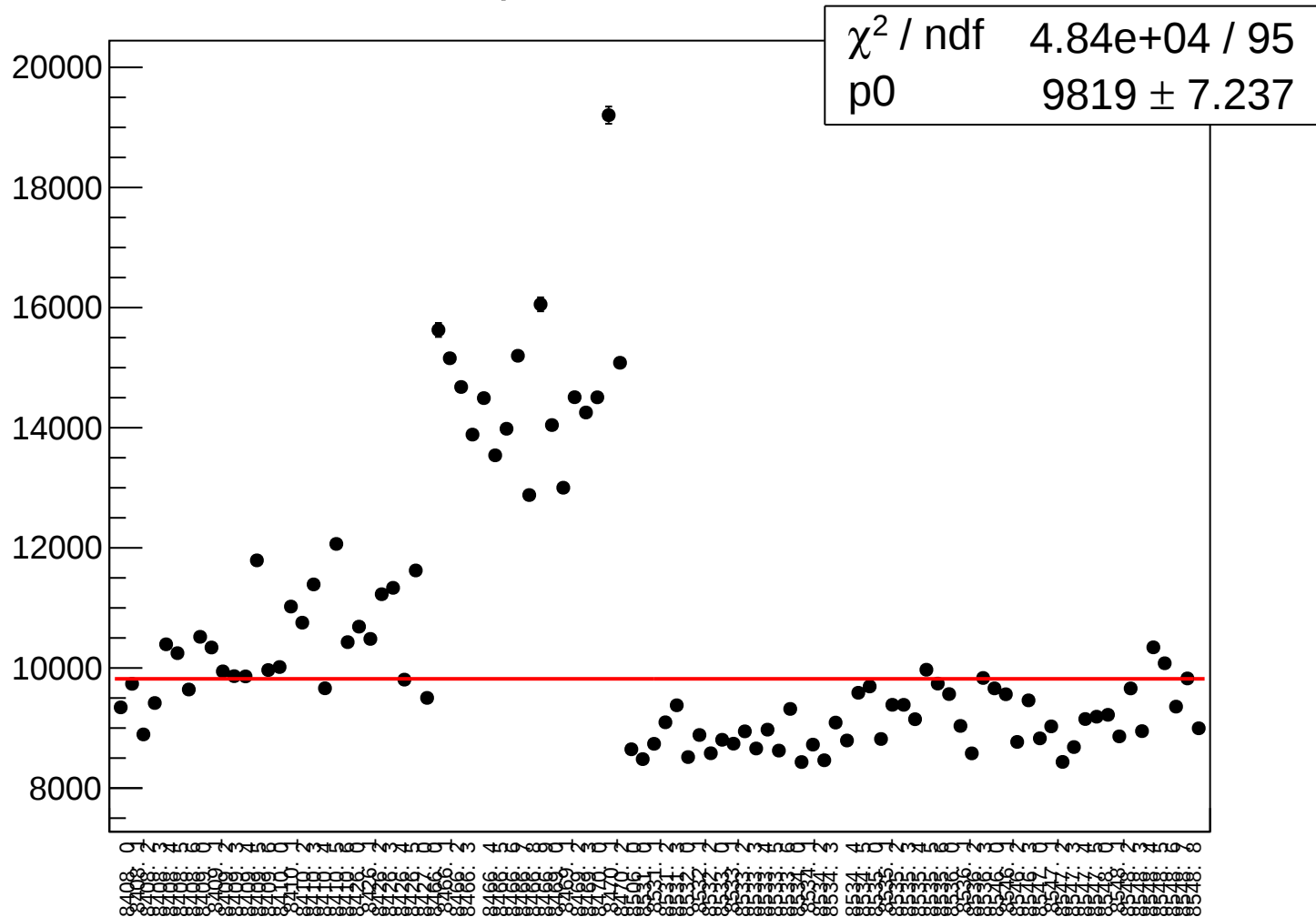
diff_bpm0l08X_rms vs run



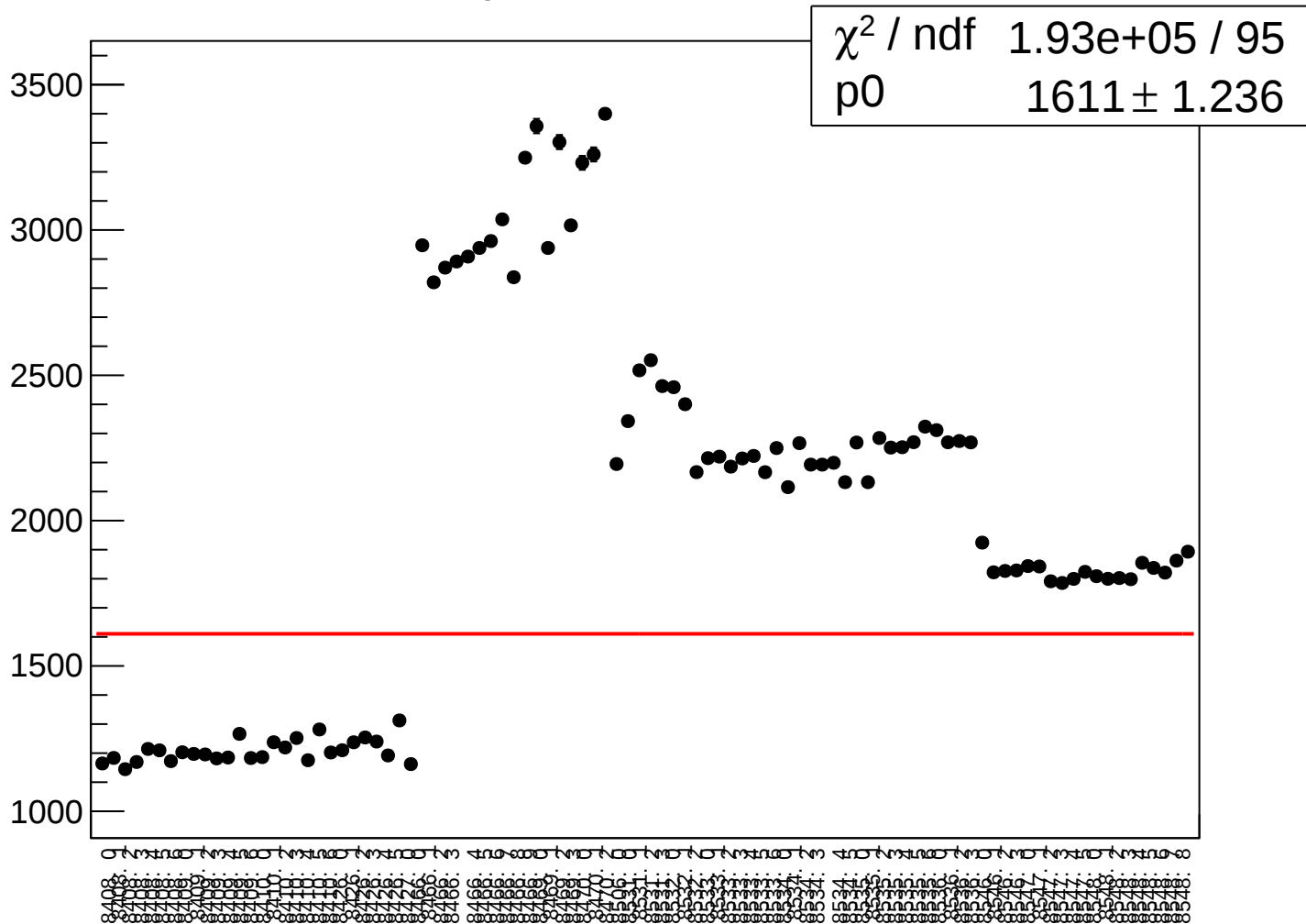
diff_bpm0l08Y_rms vs run



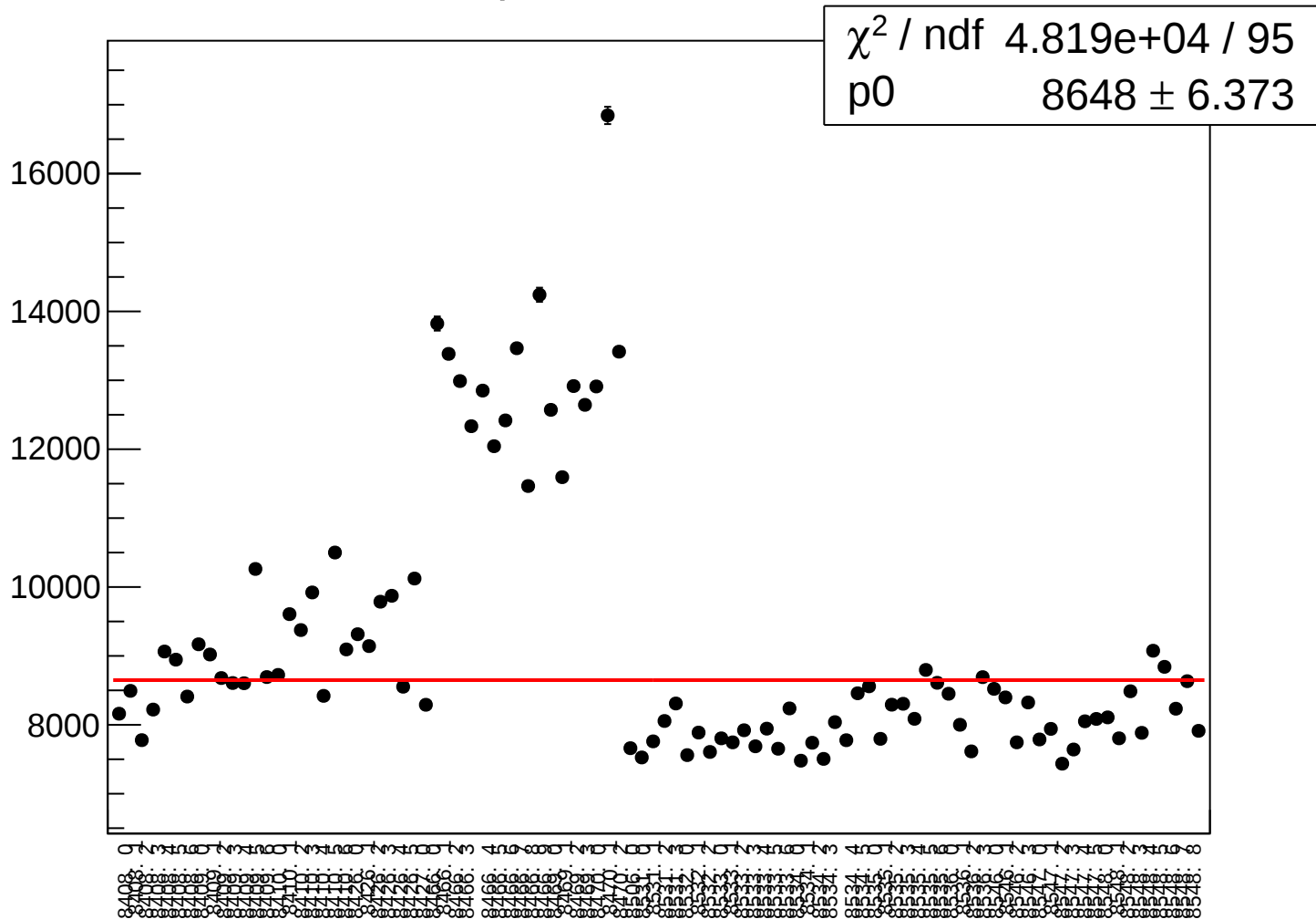
diff_bpm0l09X_rms vs run



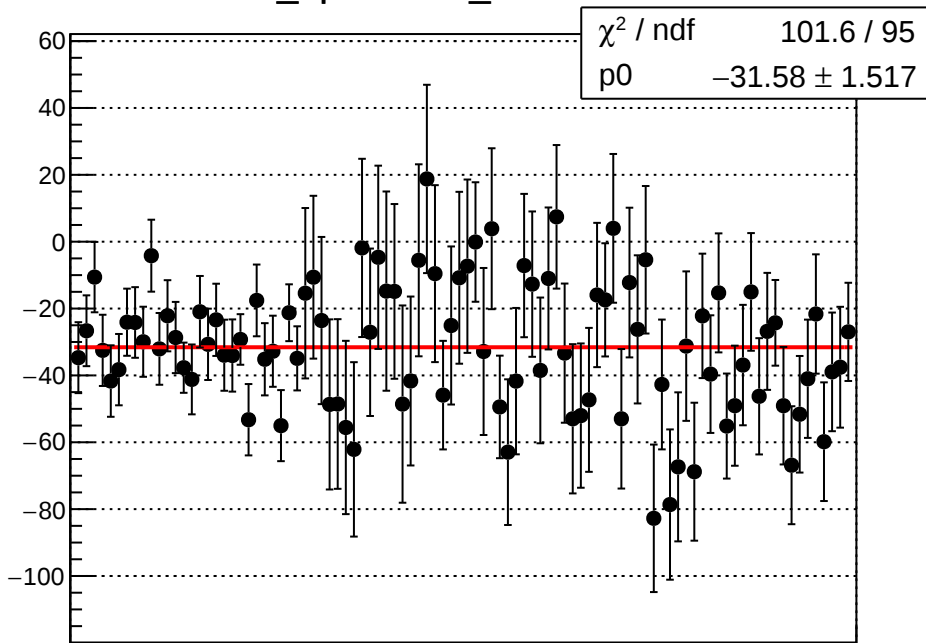
diff_bpm0l09Y_rms vs run



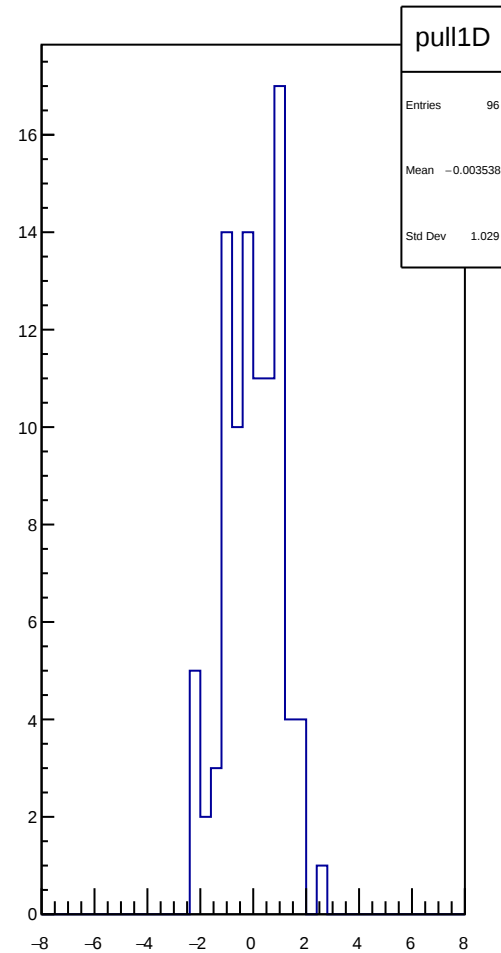
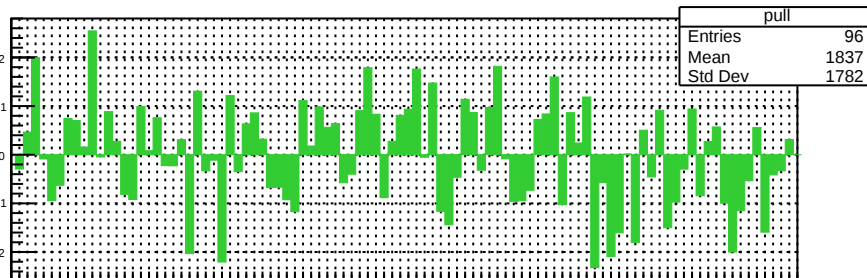
diff_bpm0l10X_rms vs run



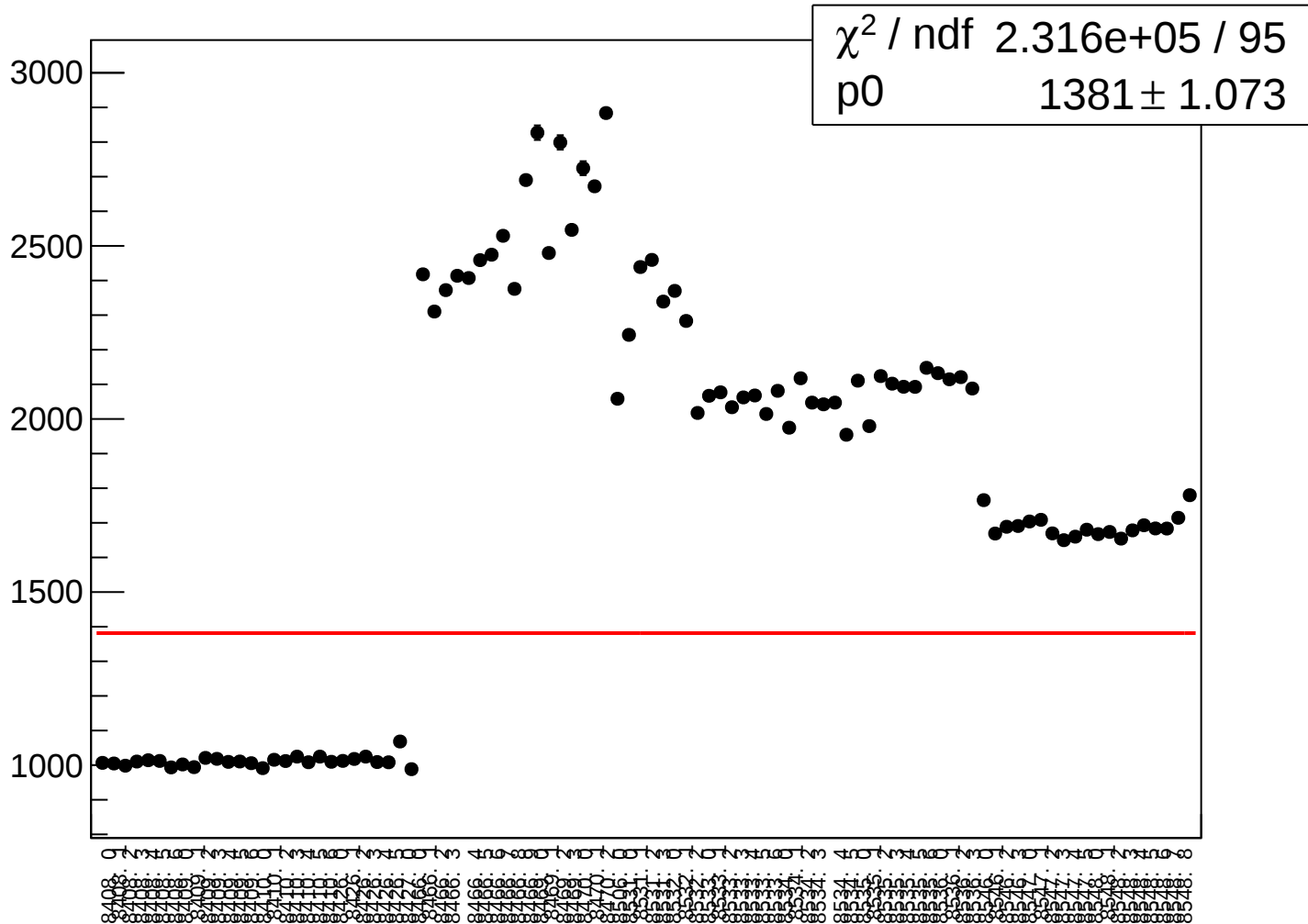
diff_bpm0I10Y_mean vs run



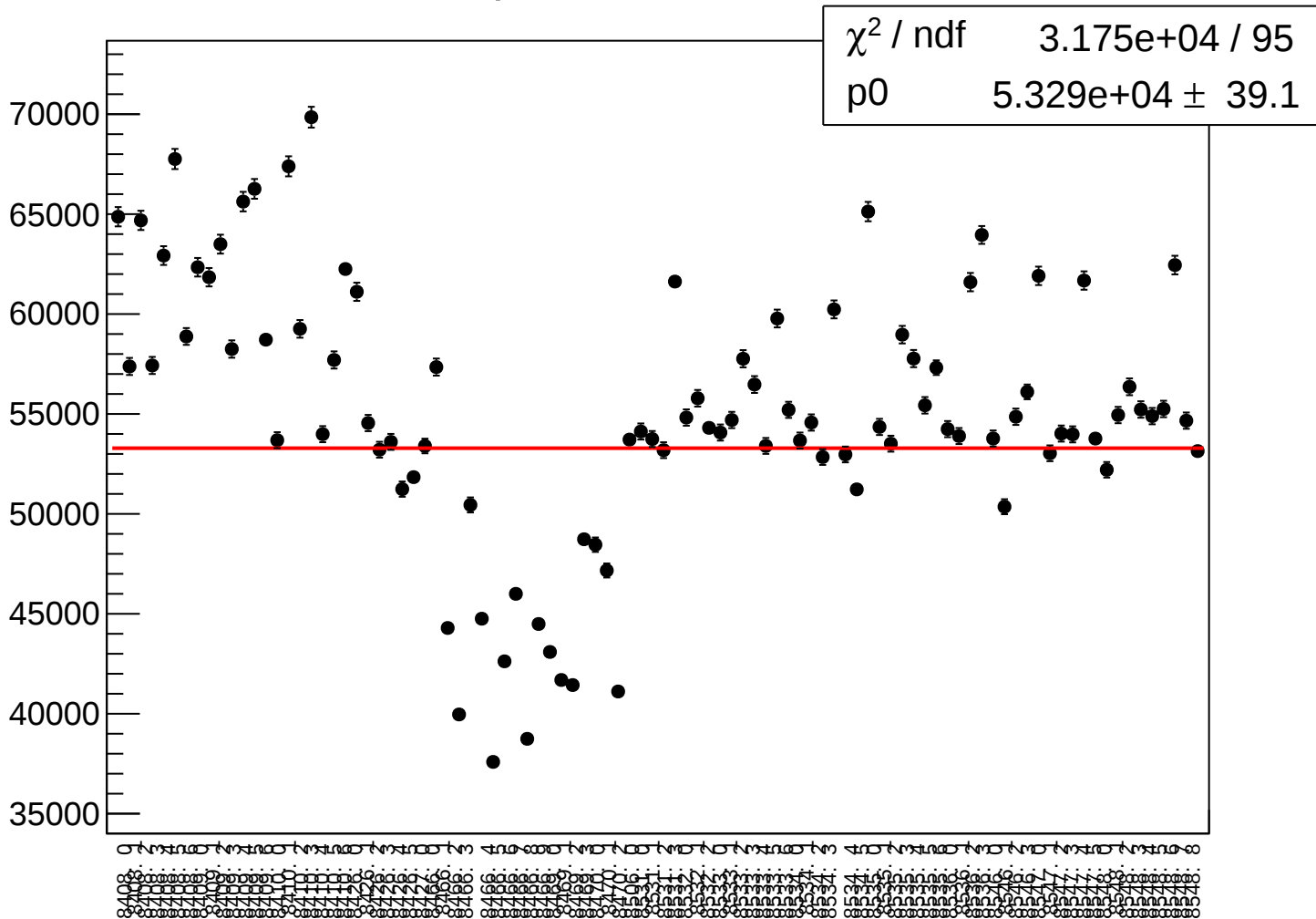
Correlation plot showing the difference in BPM0I10Y_mean versus run. The plot includes error bars for each data point.



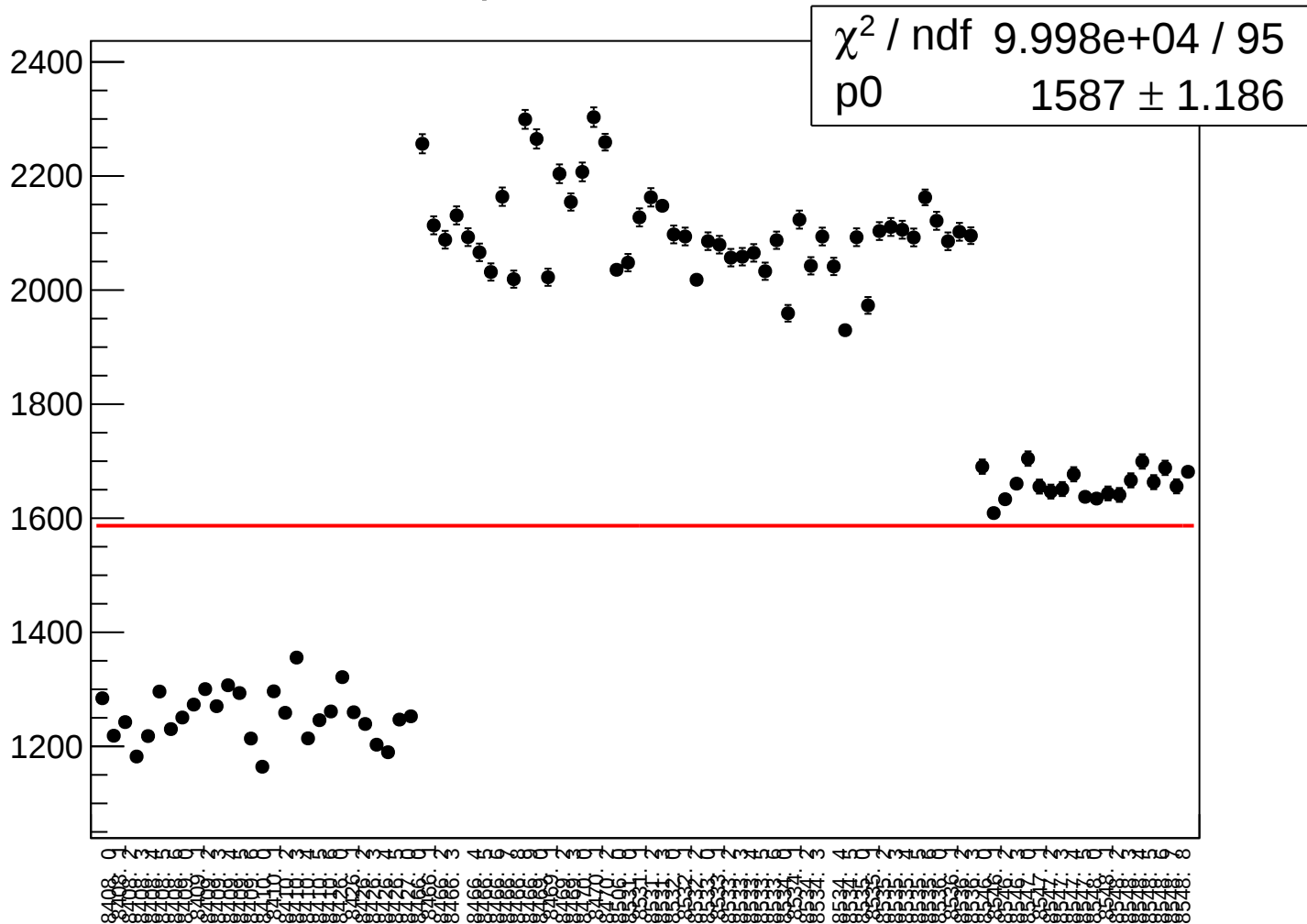
diff_bpm0l10Y_rms vs run



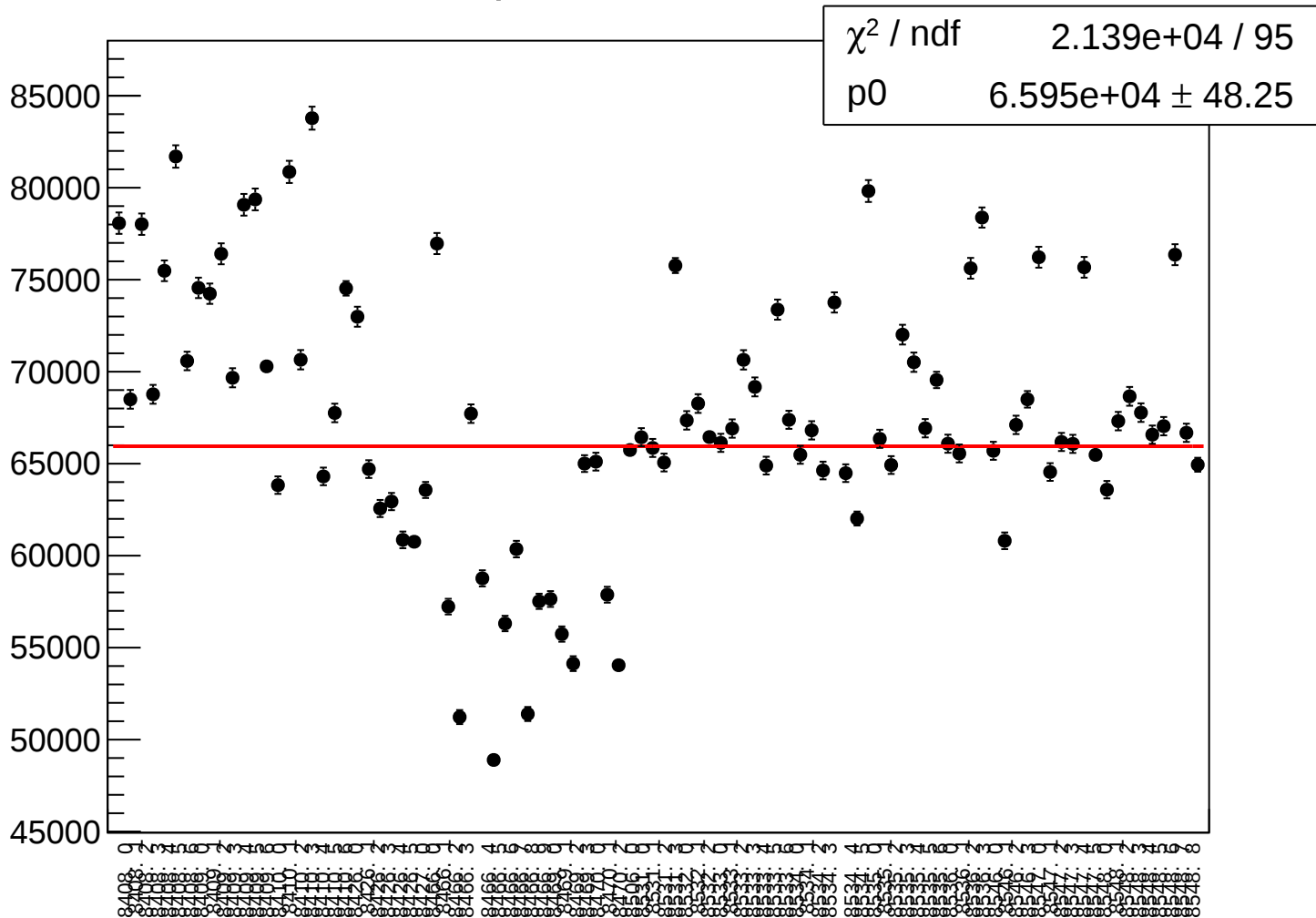
diff_bpm0r03X_rms vs run



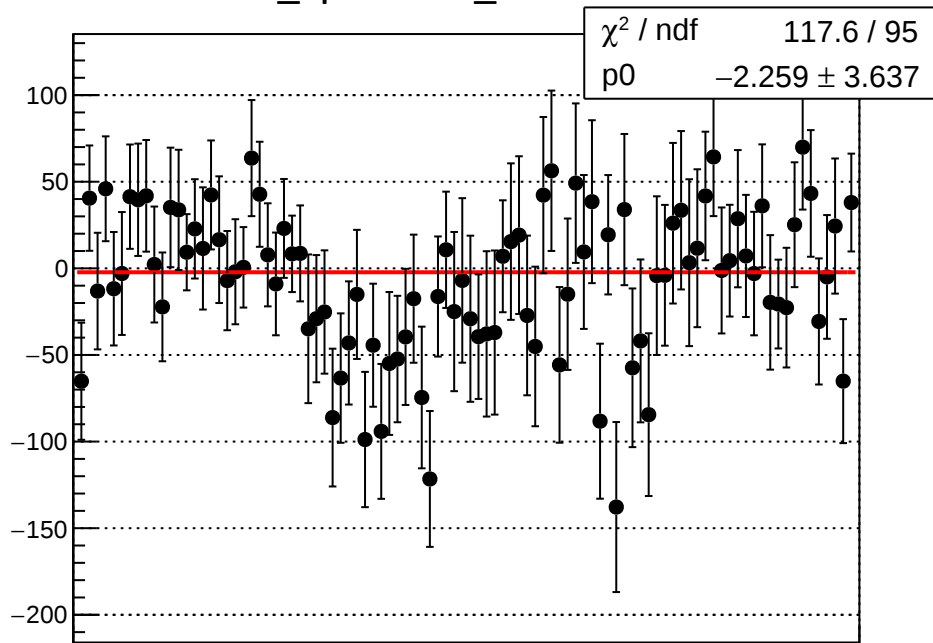
diff_bpm0r03Y_rms vs run



diff_bpm0r05X_rms vs run

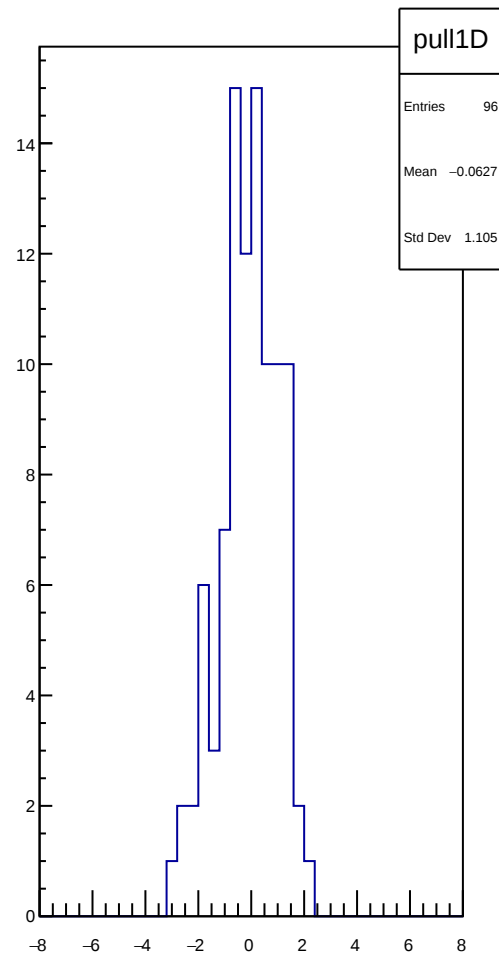
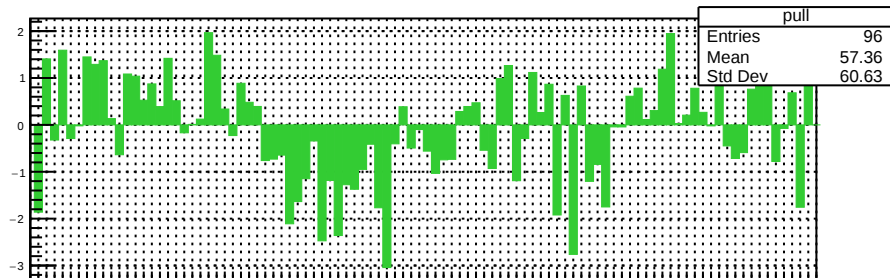


diff_bpm0r05Y_mean vs run

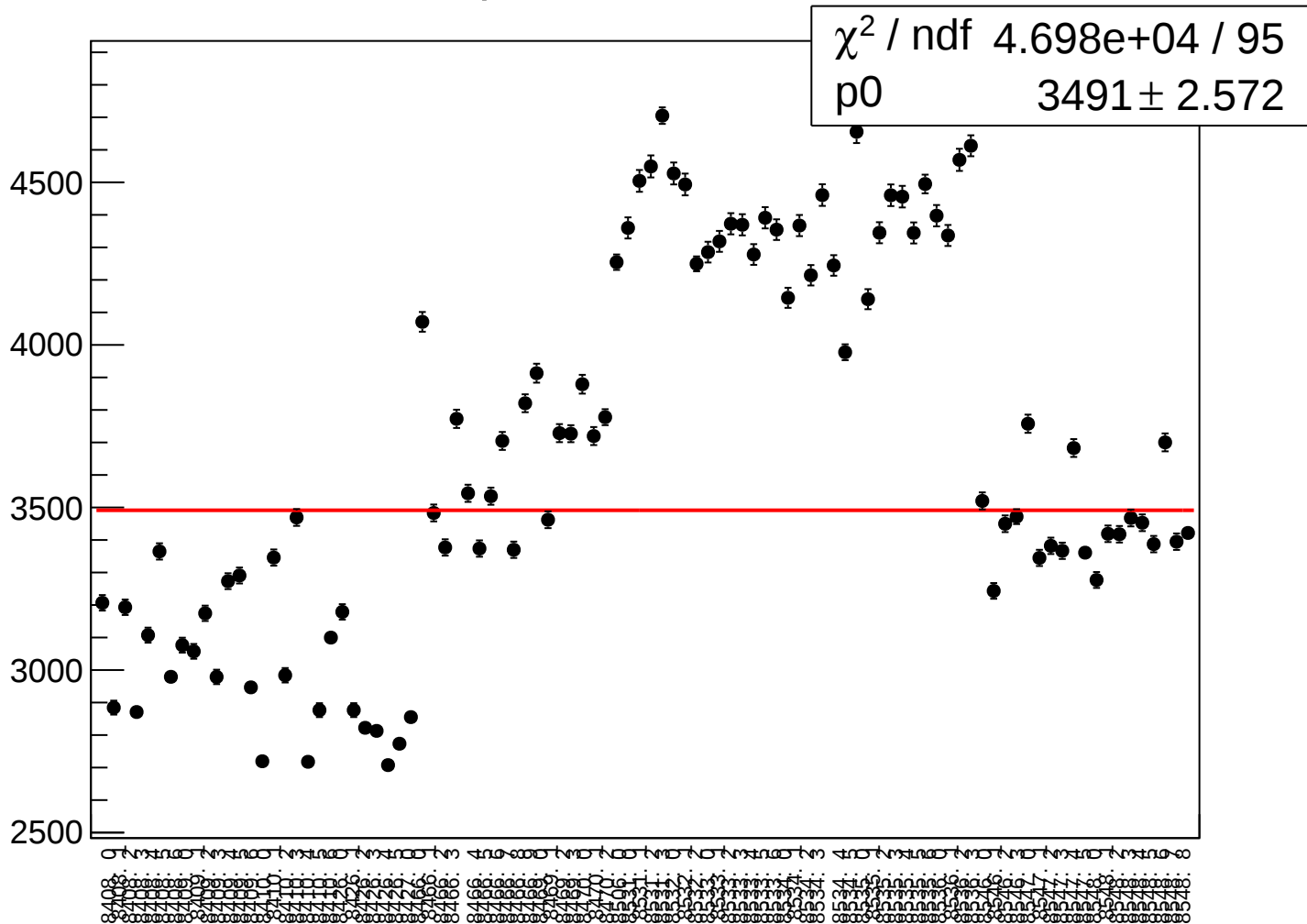


Correlation plot showing the difference in BPM0r05Y_mean versus run. The plot includes a box with the following statistics:

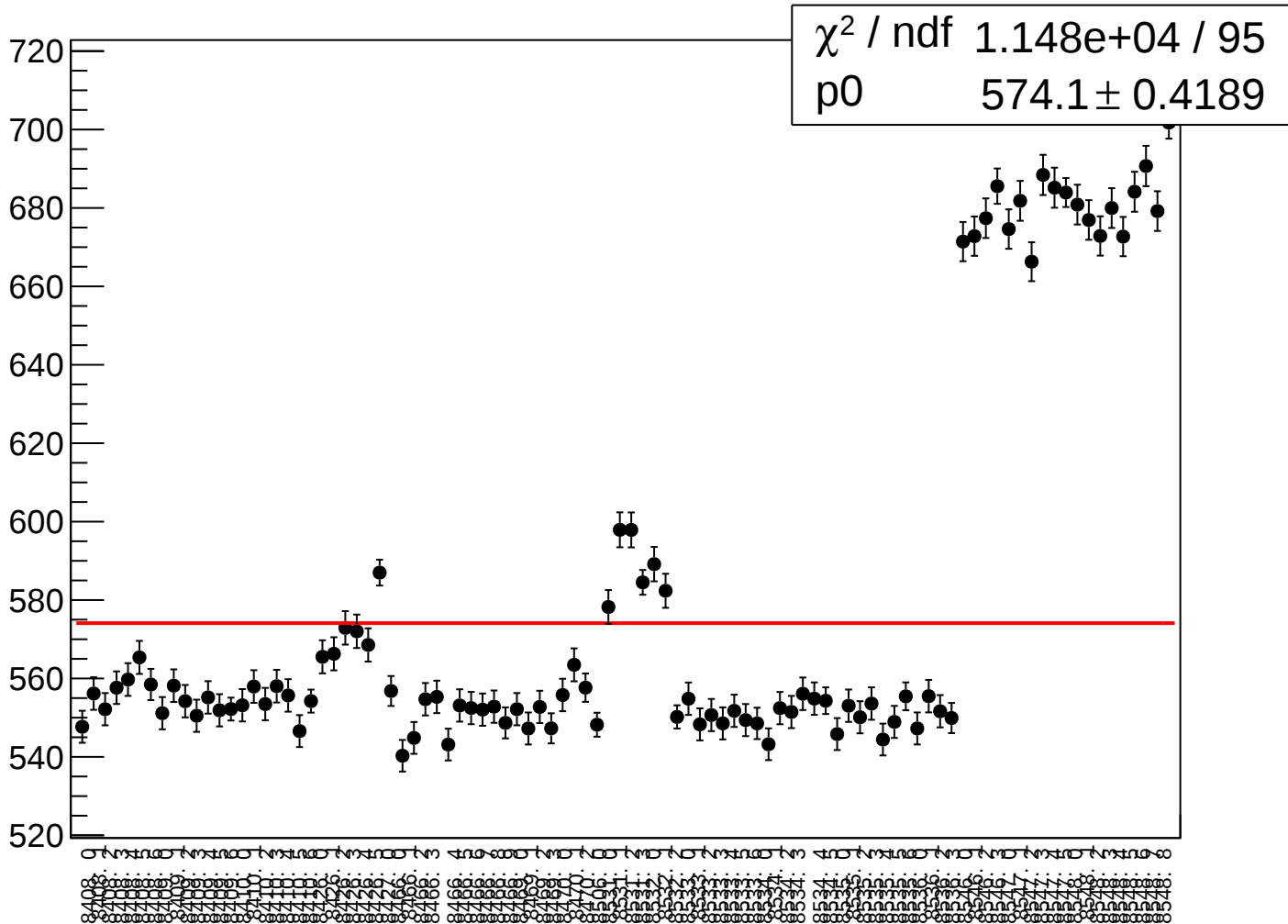
χ^2 / ndf	117.6 / 95
p0	-2.259 ± 3.637



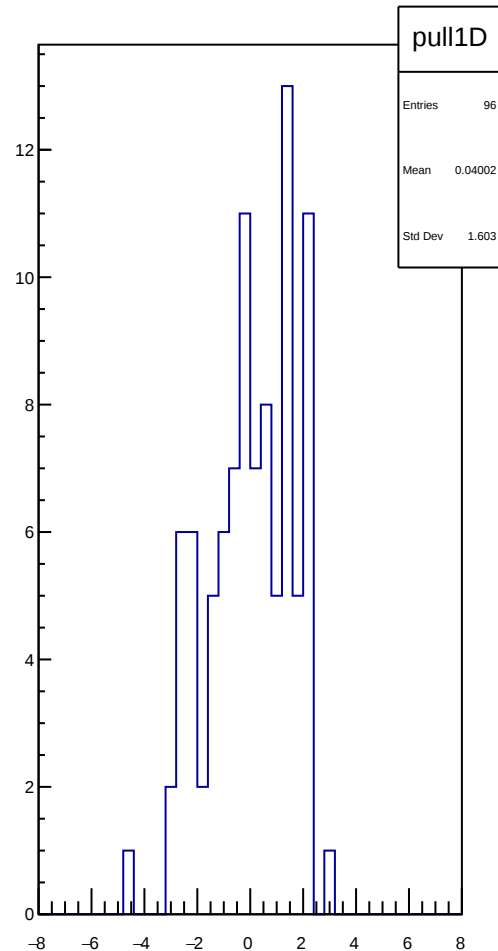
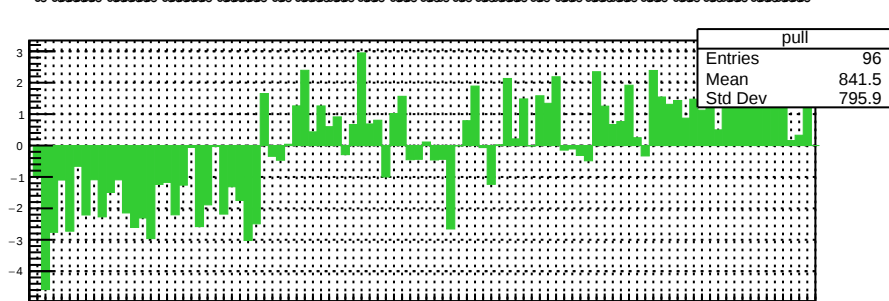
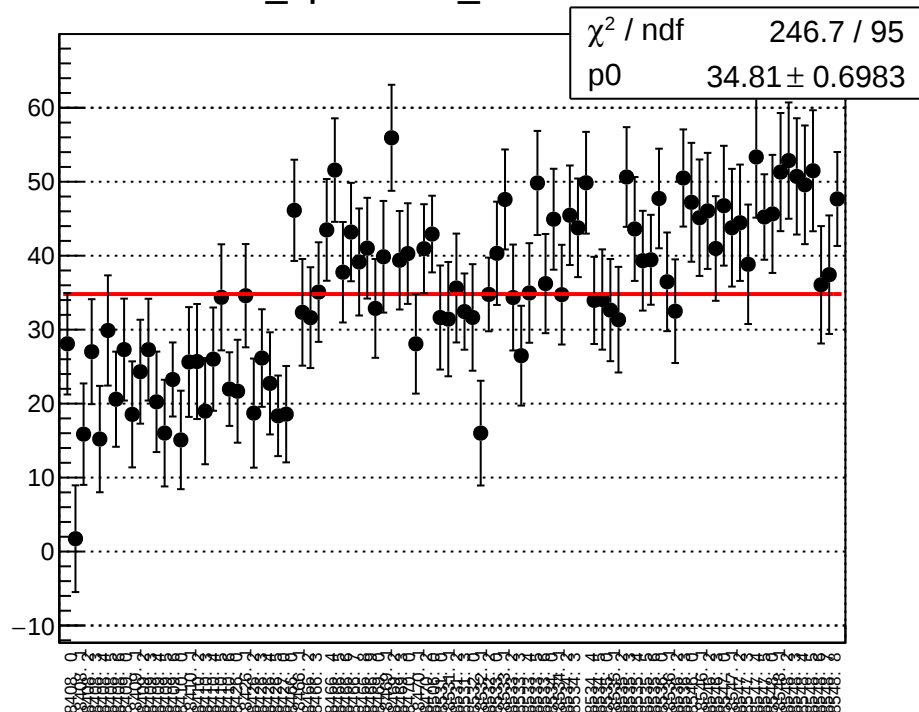
diff_bpm0r05Y_rms vs run



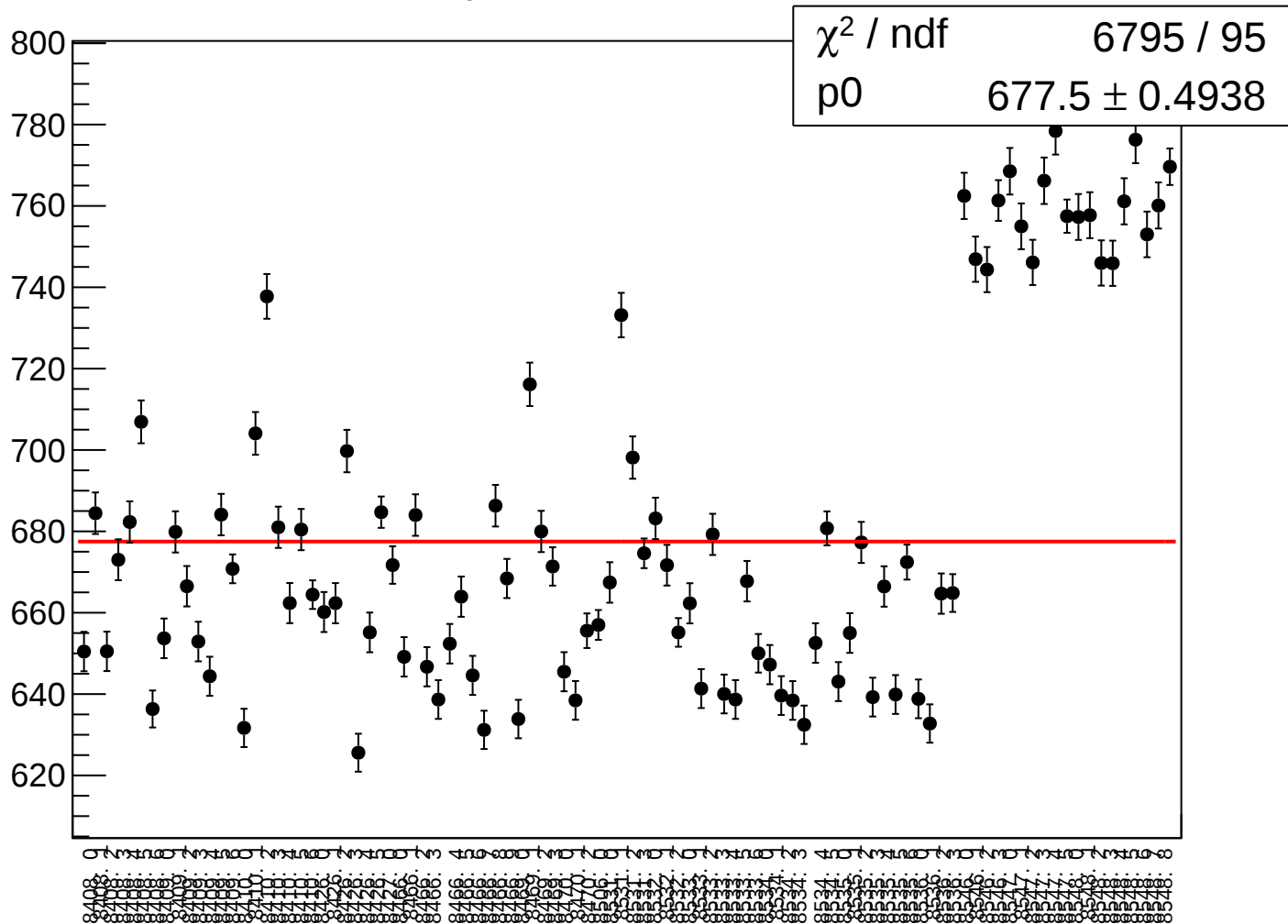
diff_bpm2i01X_rms vs run



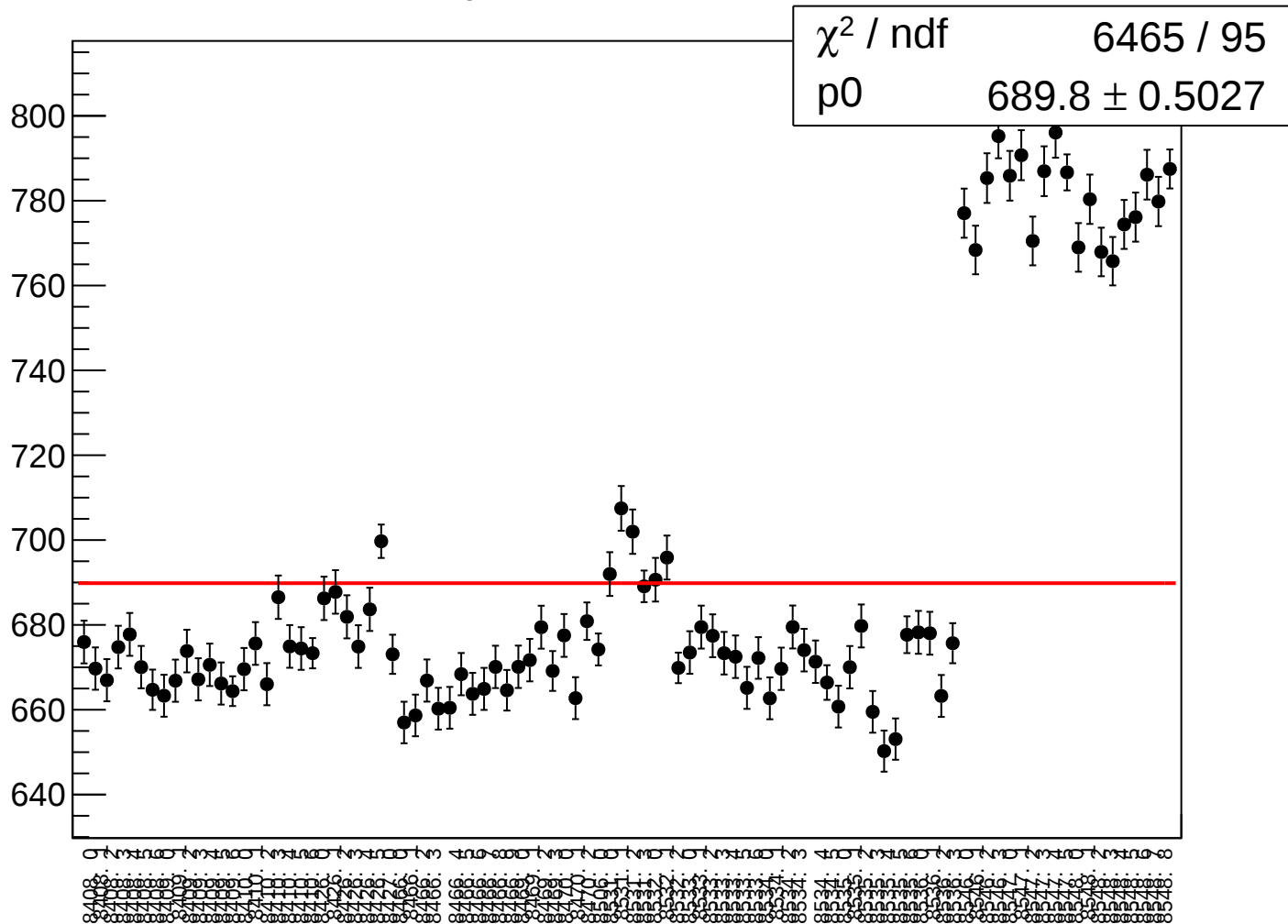
diff_bpm2i01Y_mean vs run



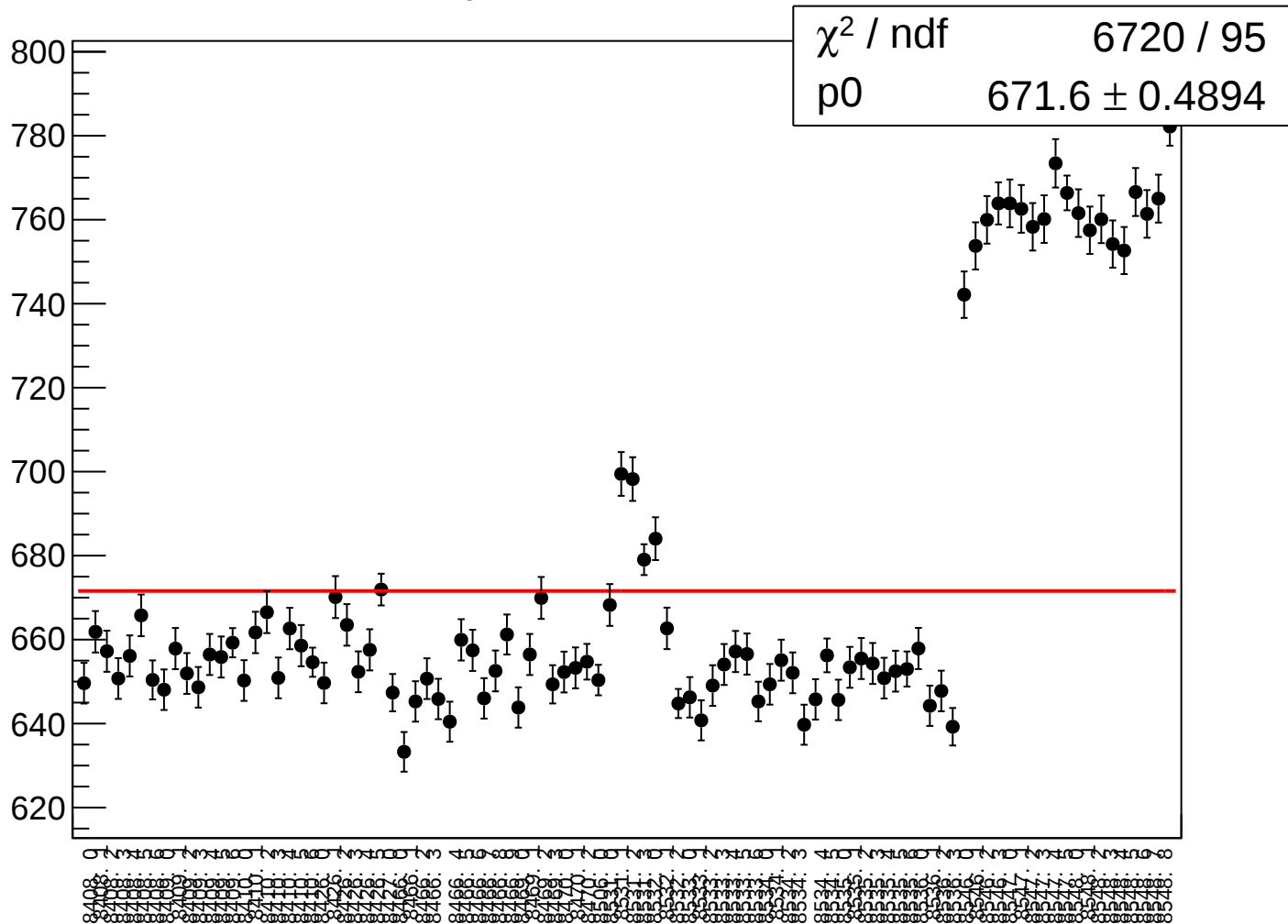
diff_bpm2i01Y_rms vs run



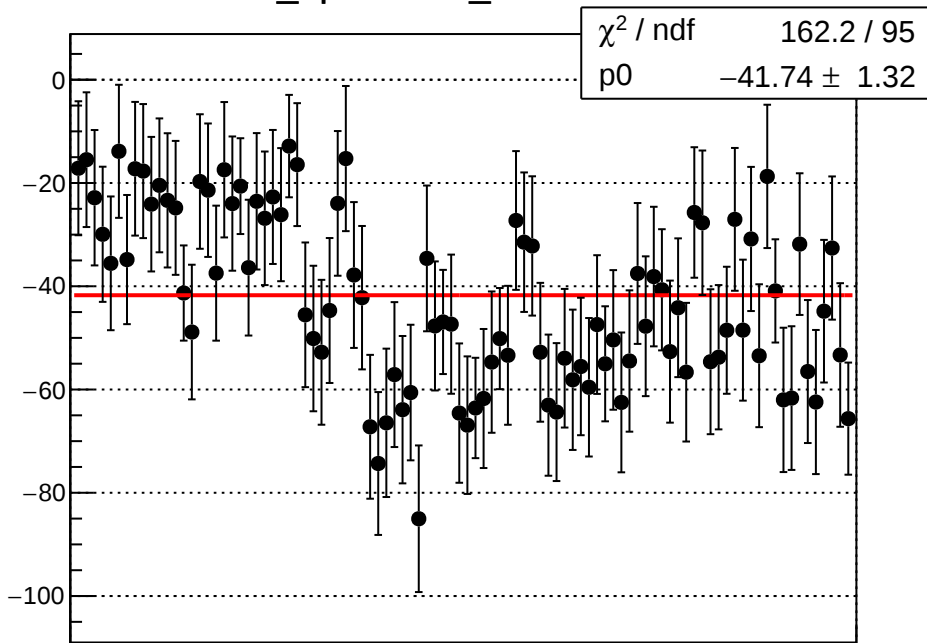
diff_bpm2i02X_rms vs run



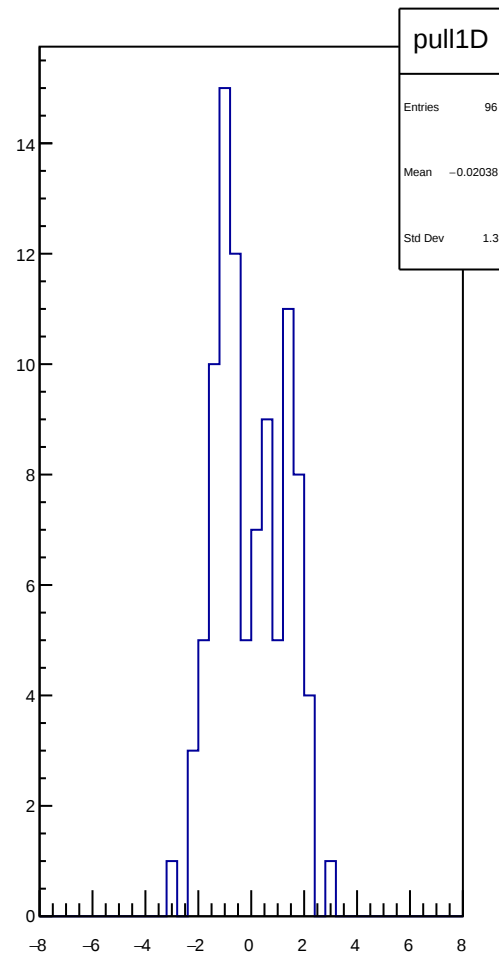
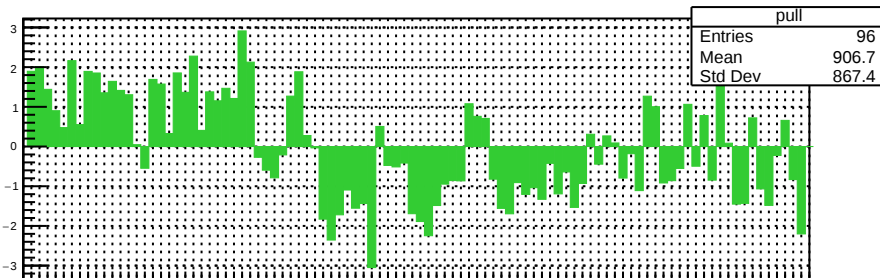
diff_bpm2i02Y_rms vs run



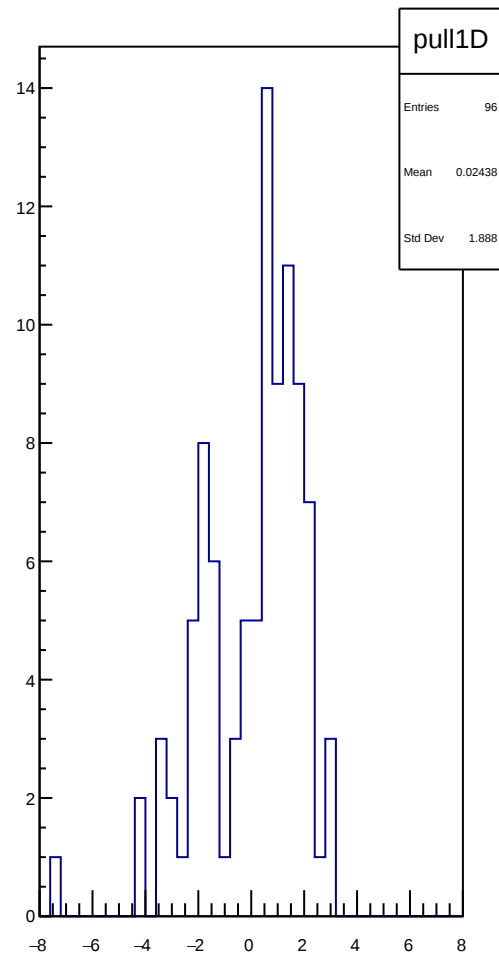
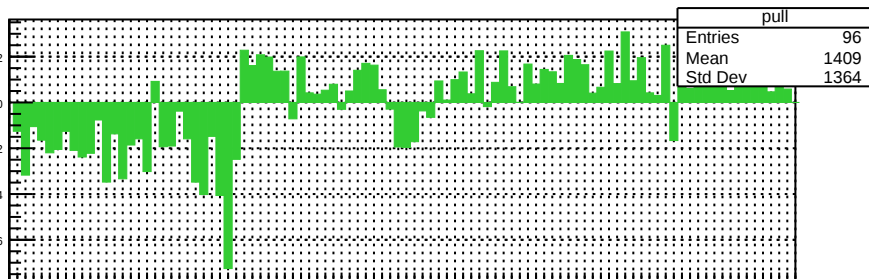
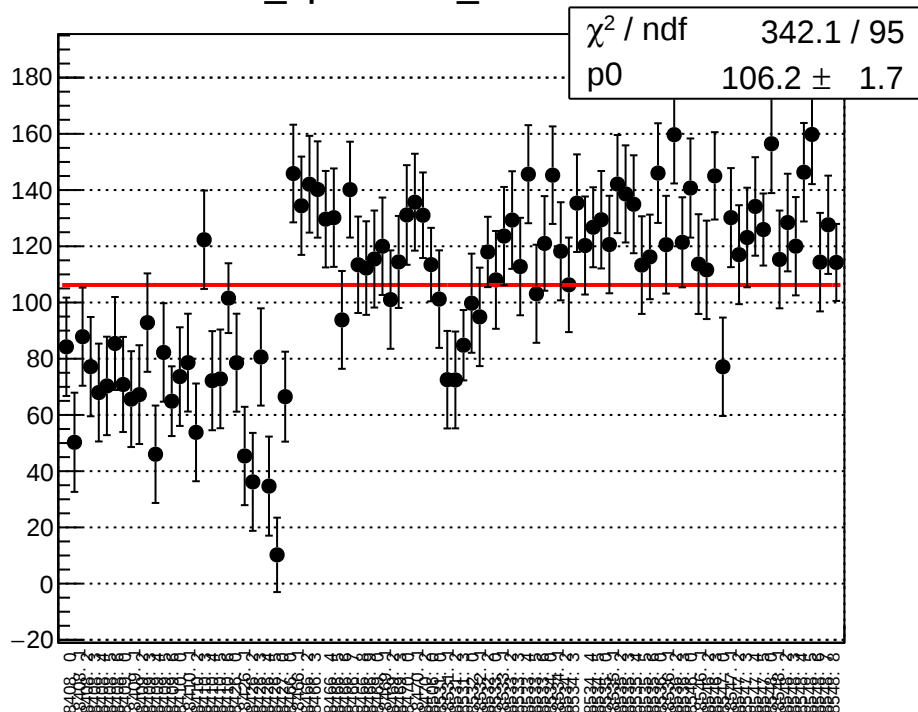
diff_bpm0i02X_mean vs run



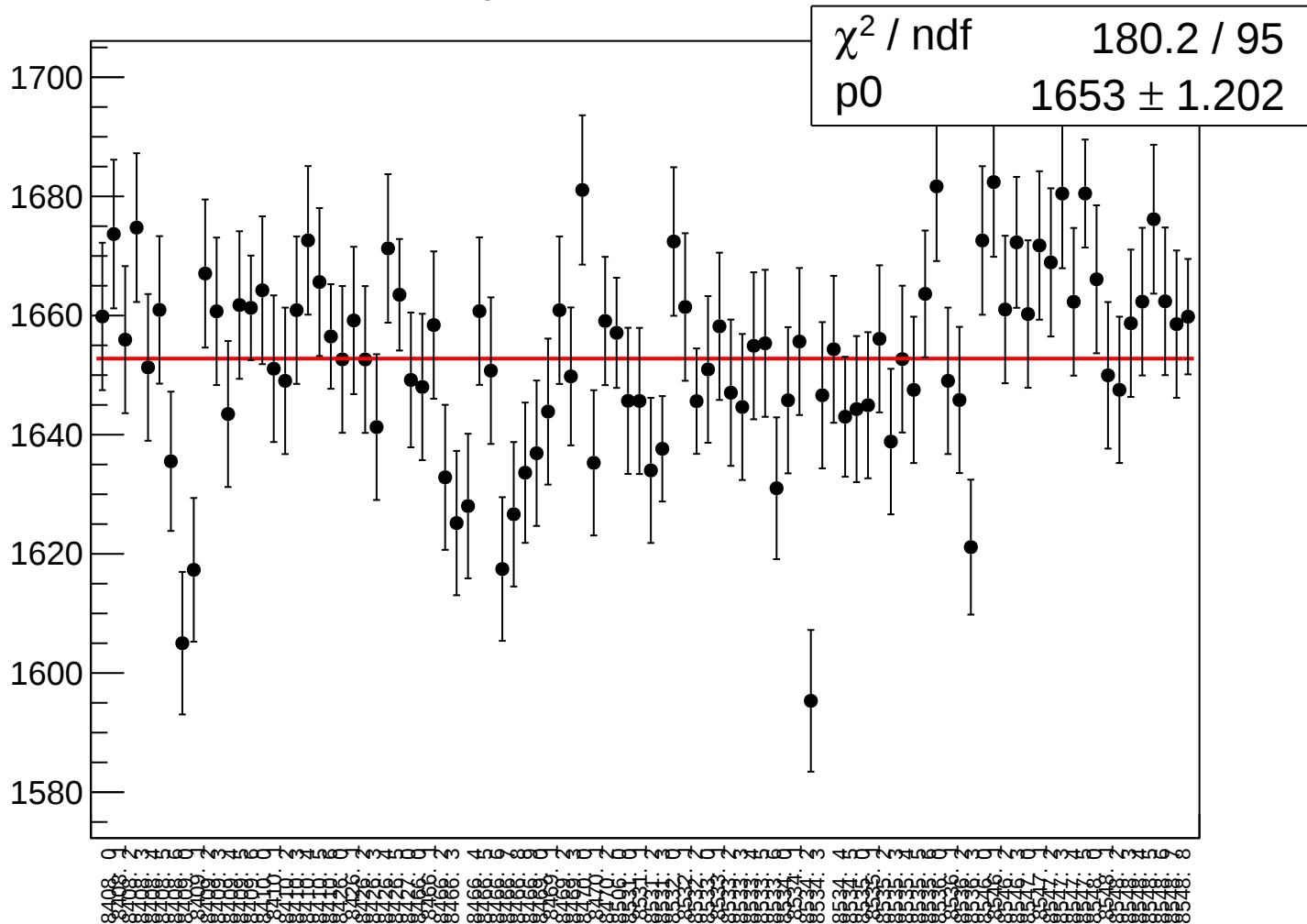
Correlation plot showing the correlation between the difference in BPM0i02X mean and the run number. The plot shows a strong negative correlation, indicating that the difference in BPM0i02X mean decreases as the run number increases.



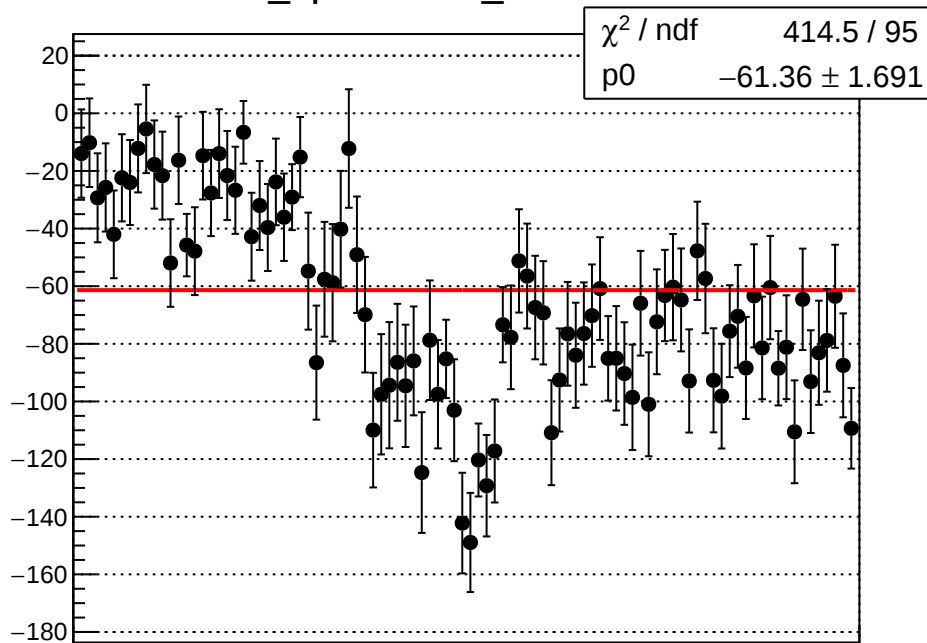
diff_bpm0i02Y_mean vs run



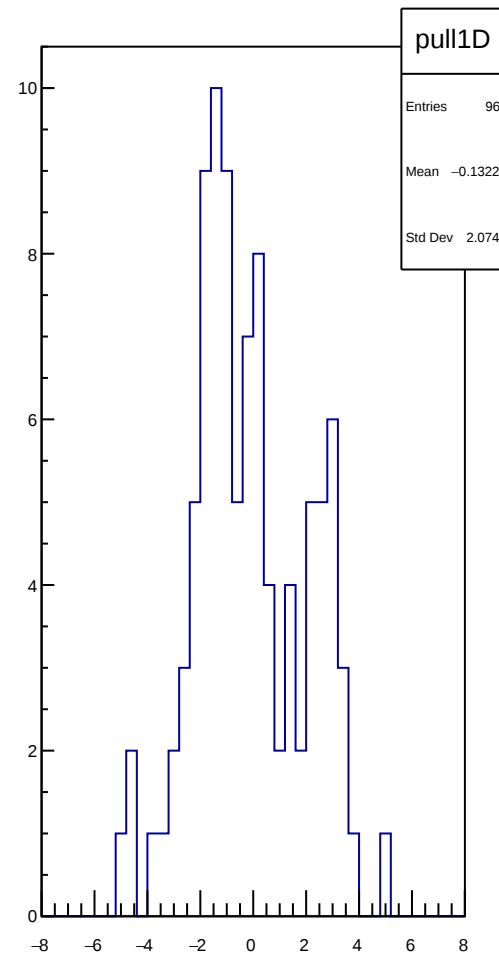
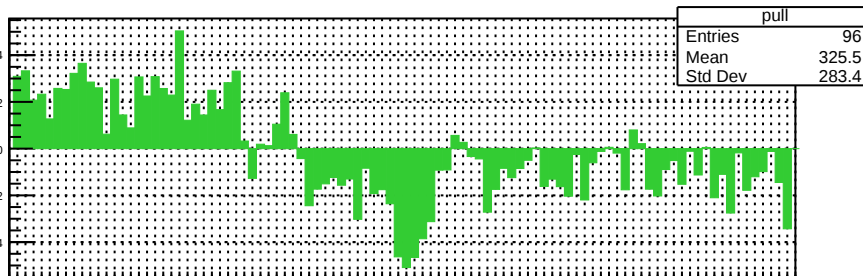
diff_bpm0i02Y_rms vs run



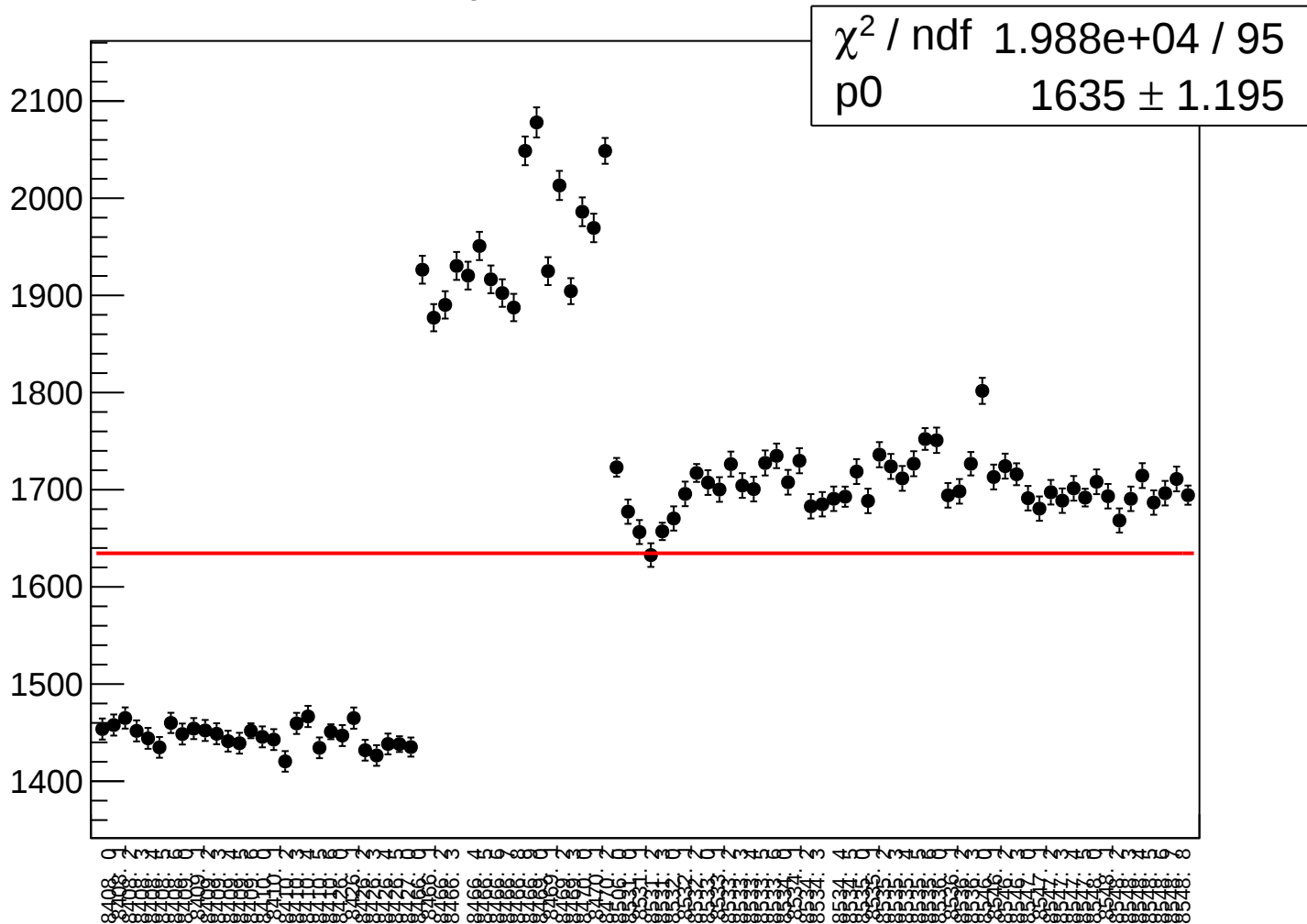
diff_bpm0i02aX_mean vs run



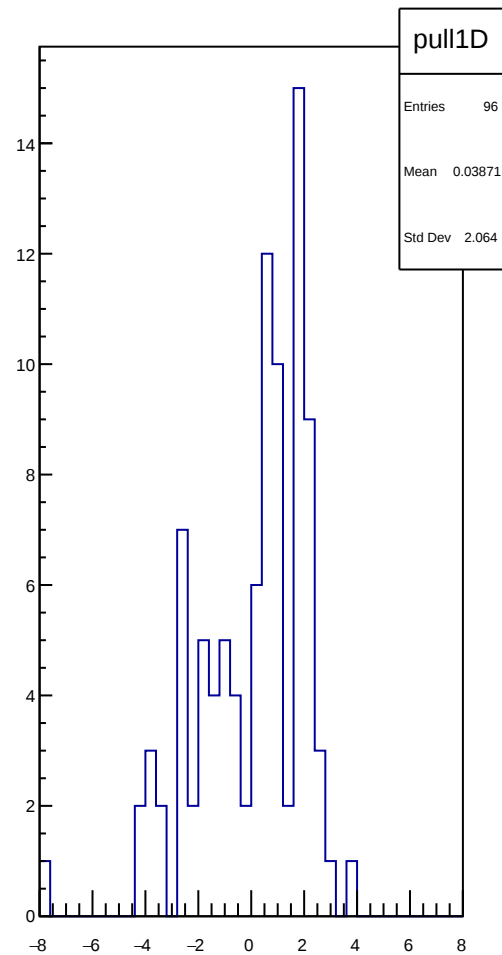
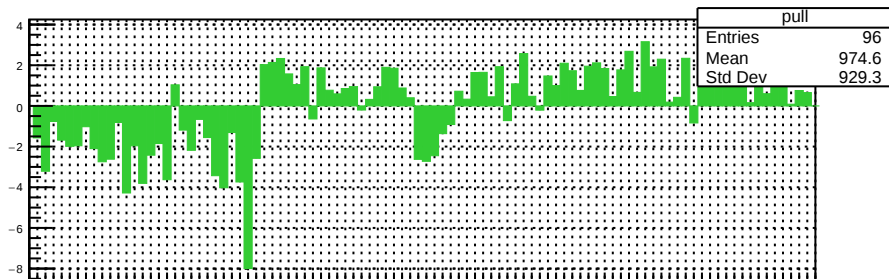
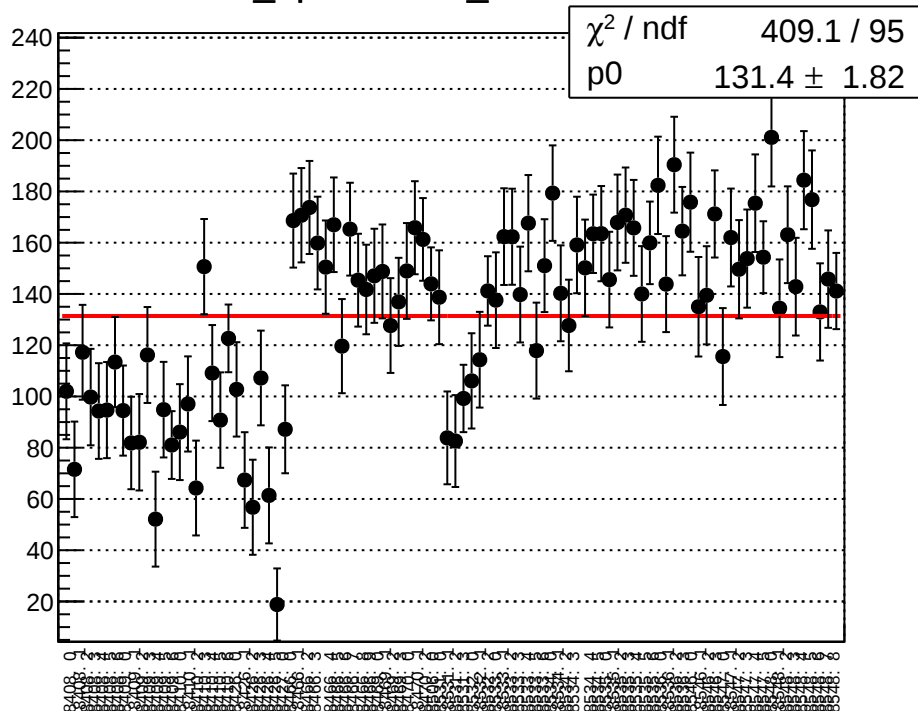
Correlation matrix of the parameters: Run, diff_bpm0i02aX_mean, and pull. The matrix shows the correlation between the parameters, with the diagonal elements representing the self-correlation (1.000000).



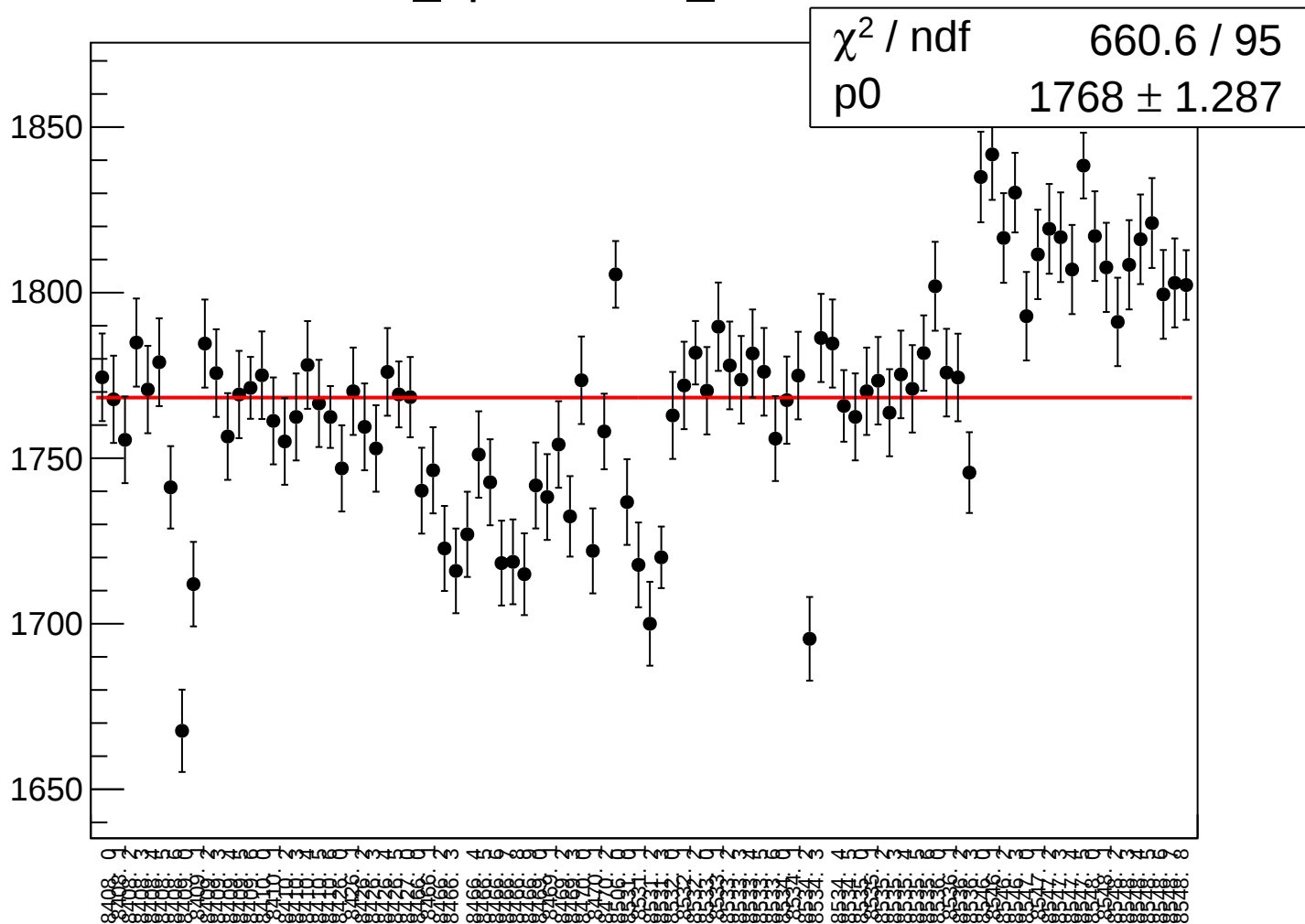
diff_bpm0i02aX_rms vs run



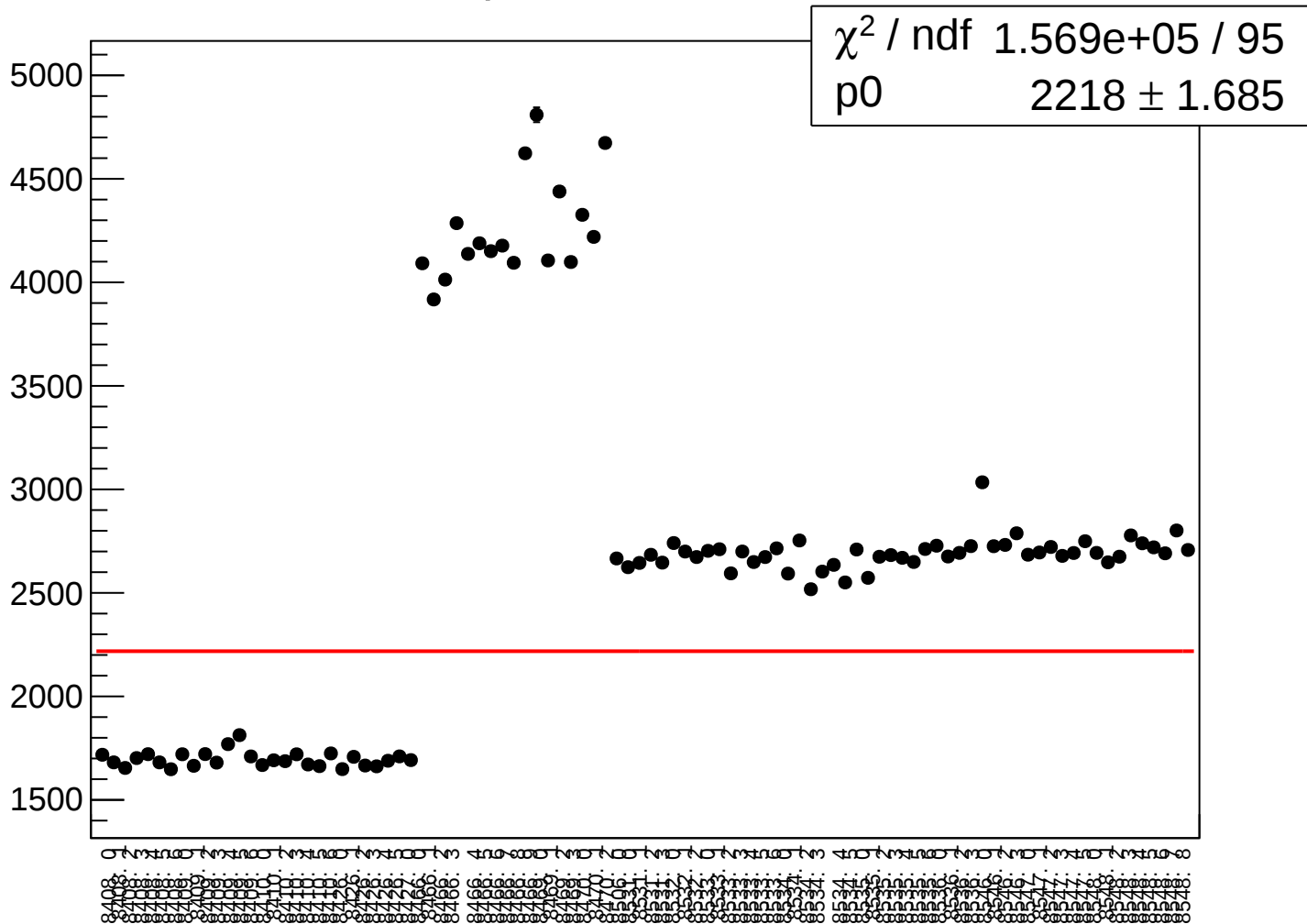
diff_bpm0i02aY_mean vs run



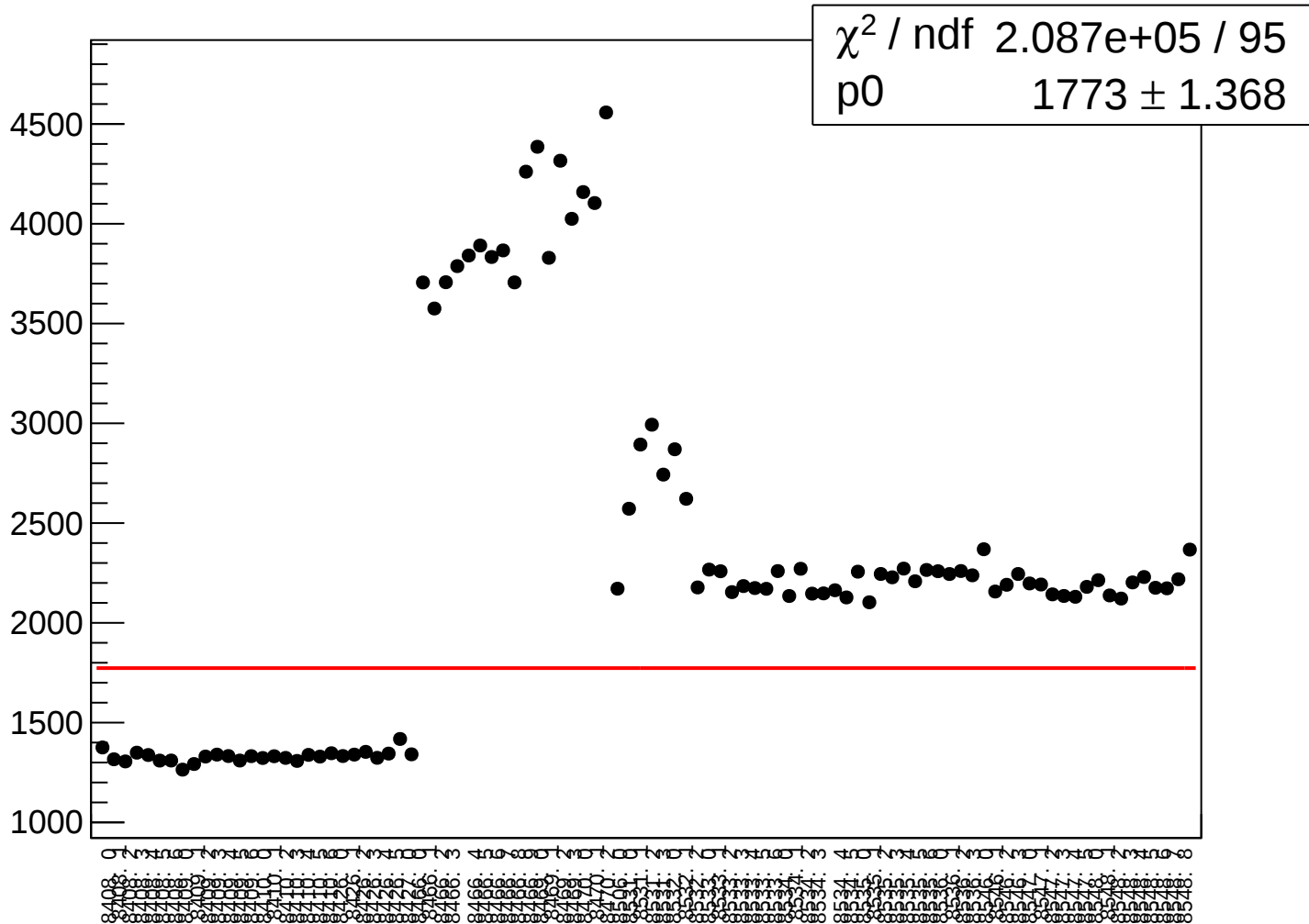
diff_bpm0i02aY_rms vs run



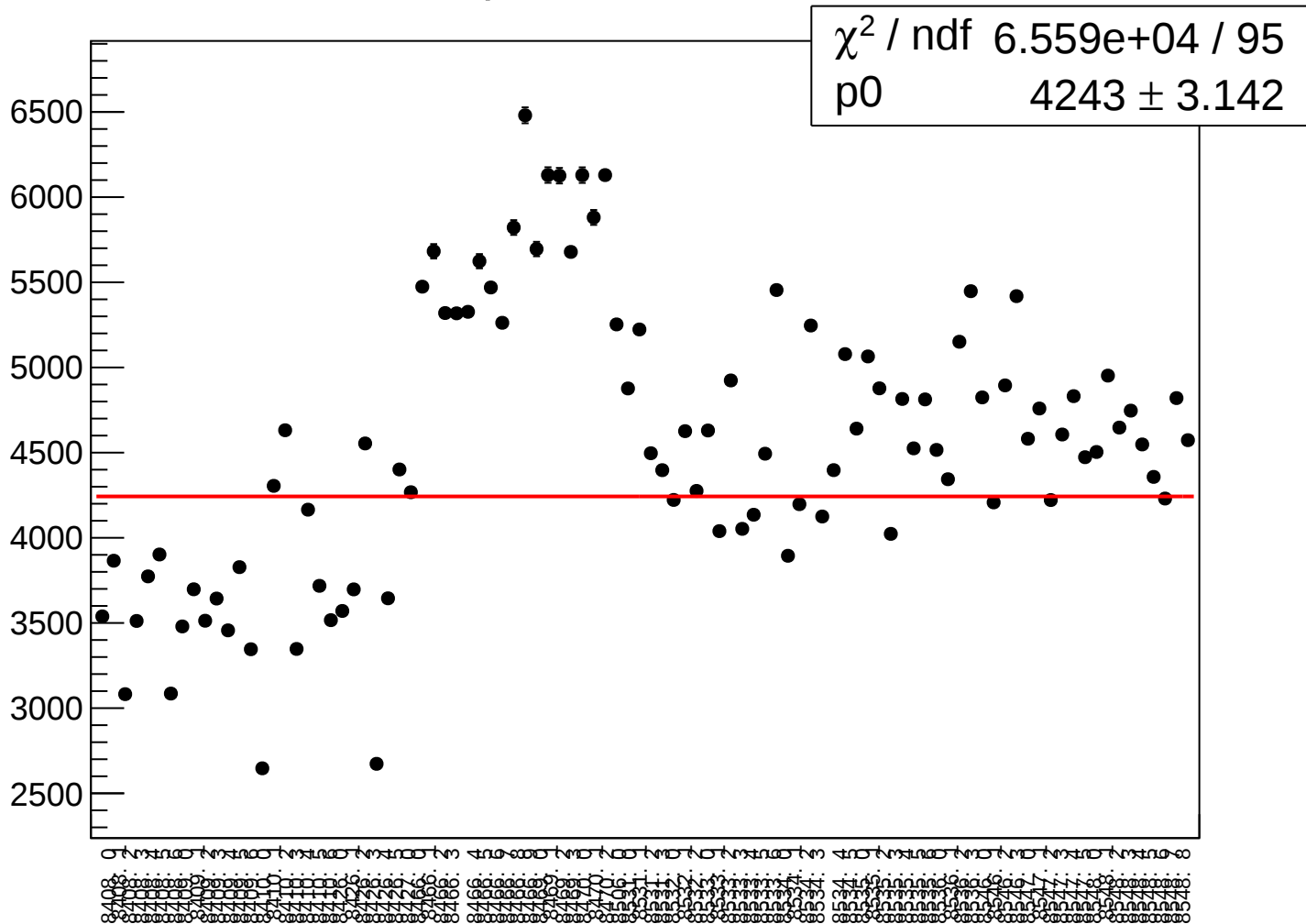
diff_bpm0i05X_rms vs run



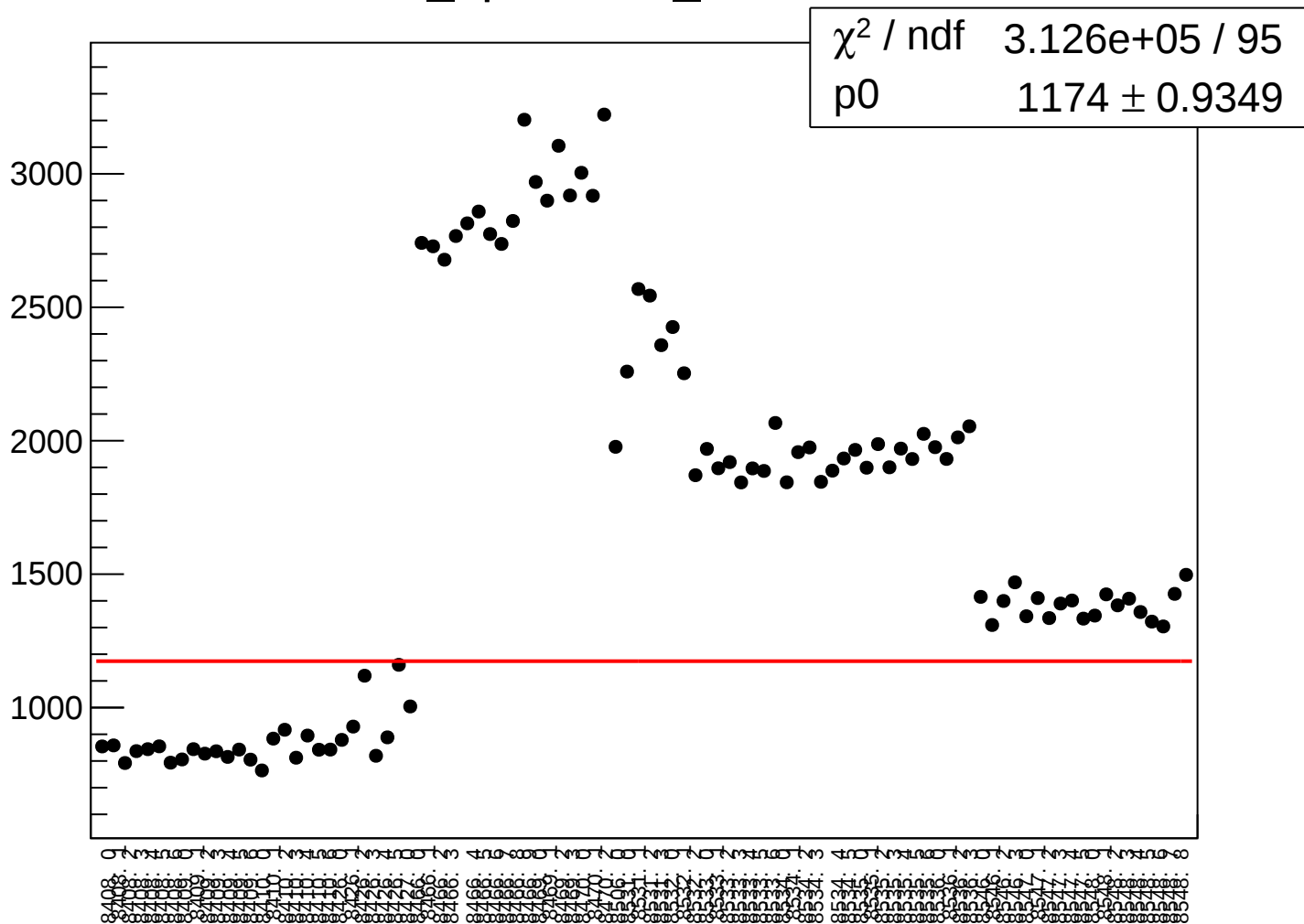
diff_bpm0i05Y_rms vs run



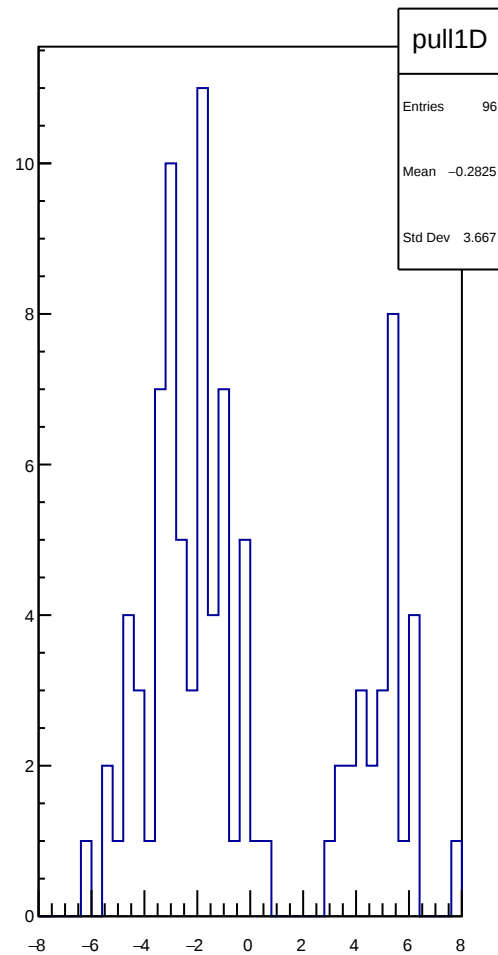
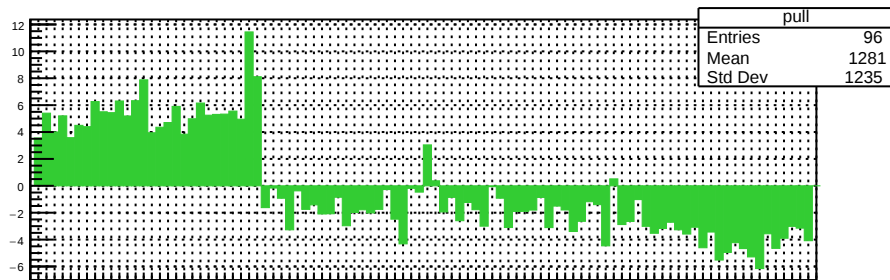
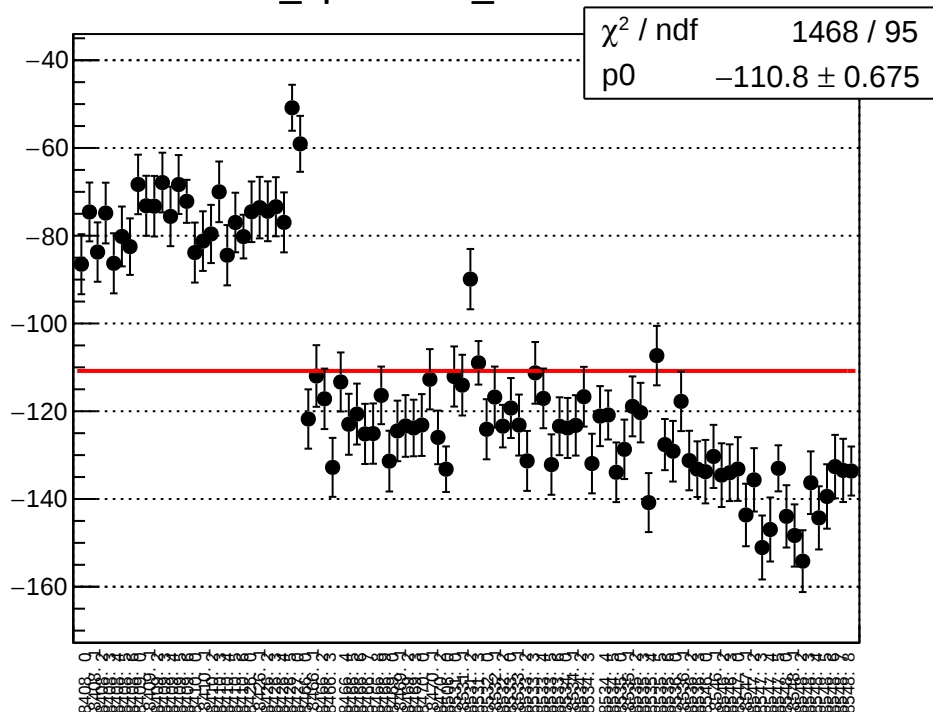
diff_bpm0i07X_rms vs run



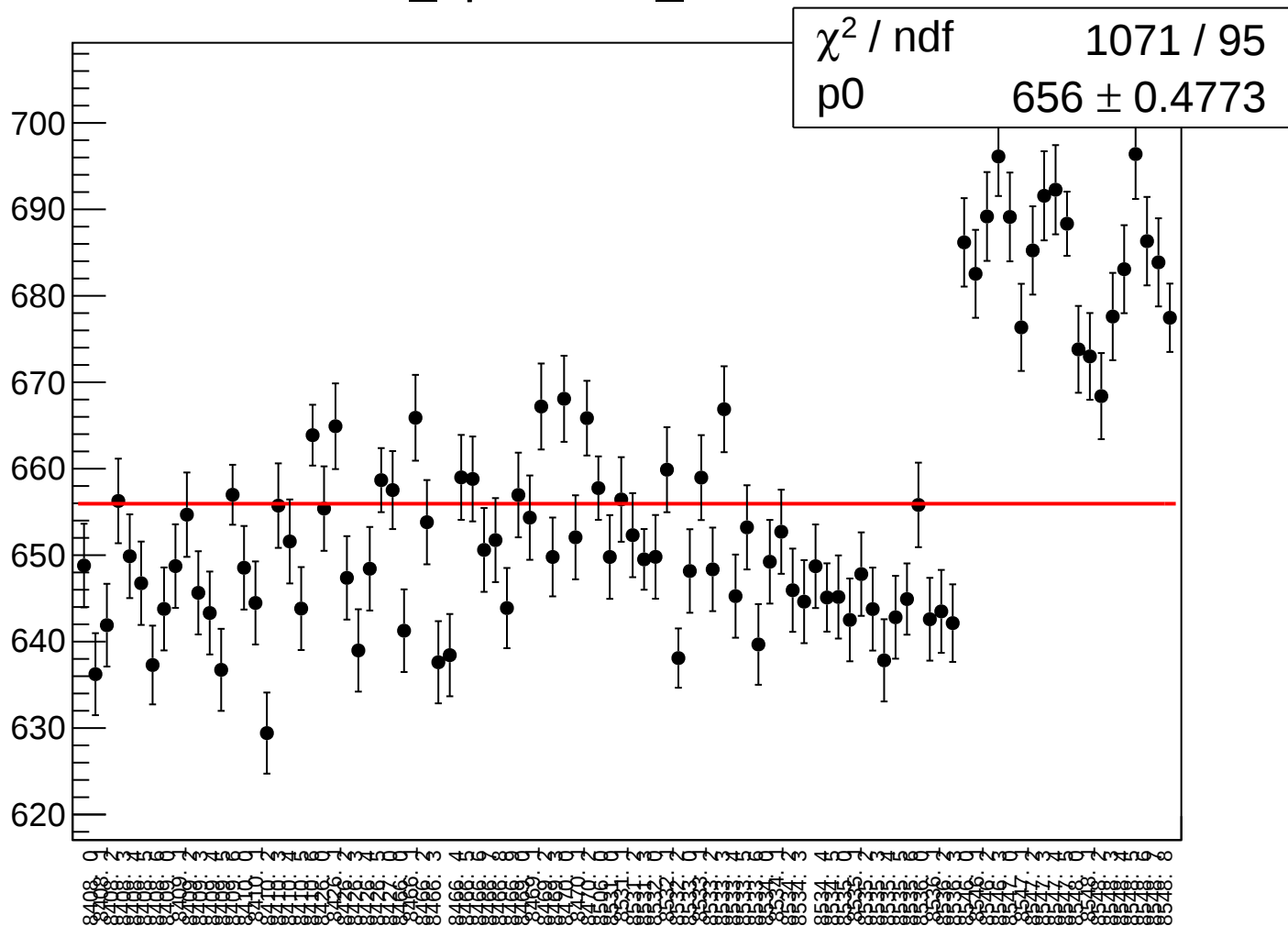
diff_bpm0i07Y_rms vs run



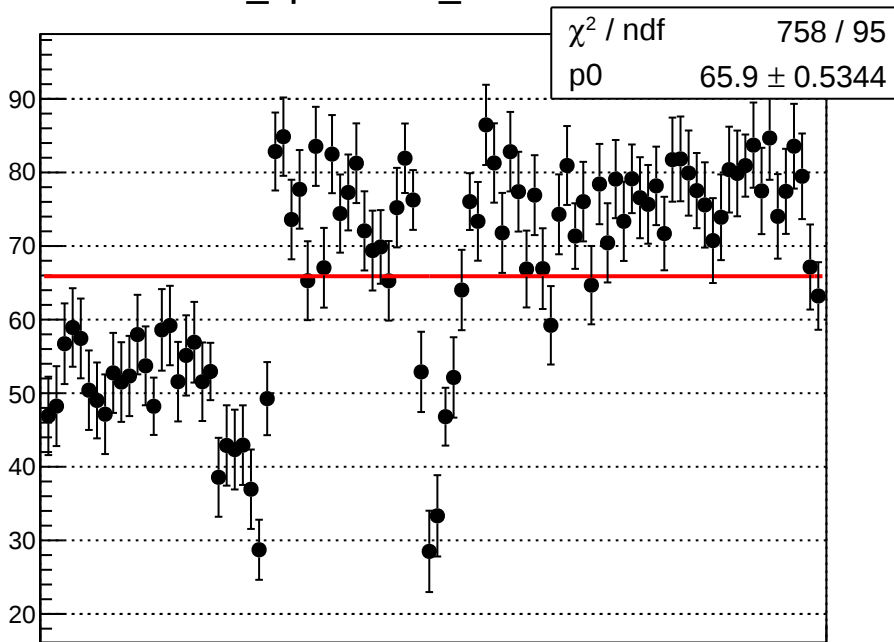
diff_bpm1i02X_mean vs run



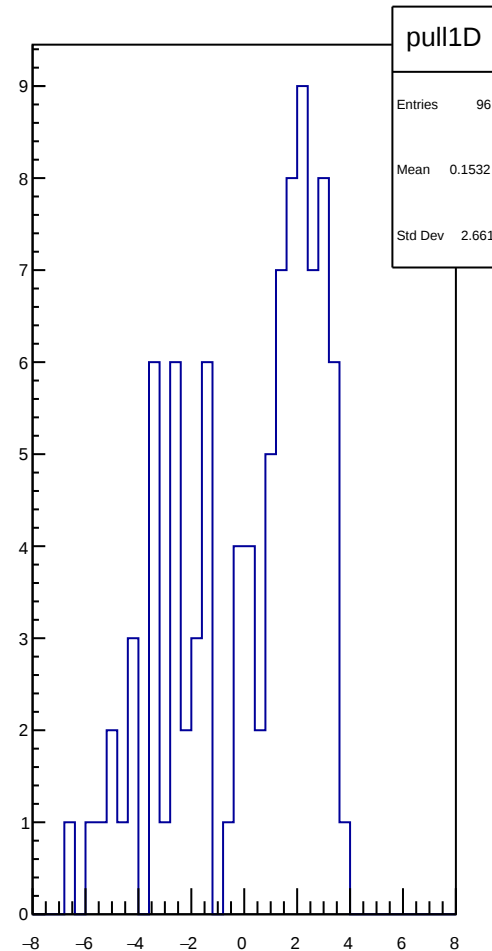
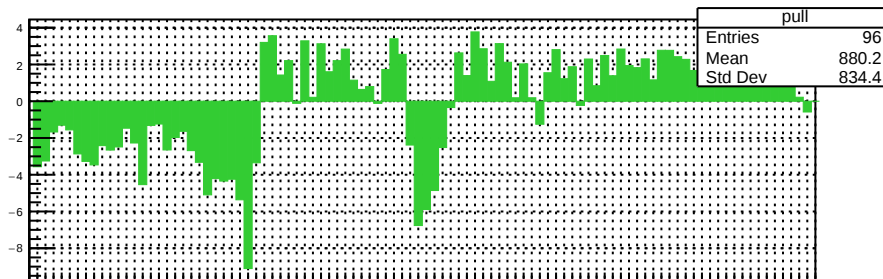
diff_bpm1i02X_rms vs run



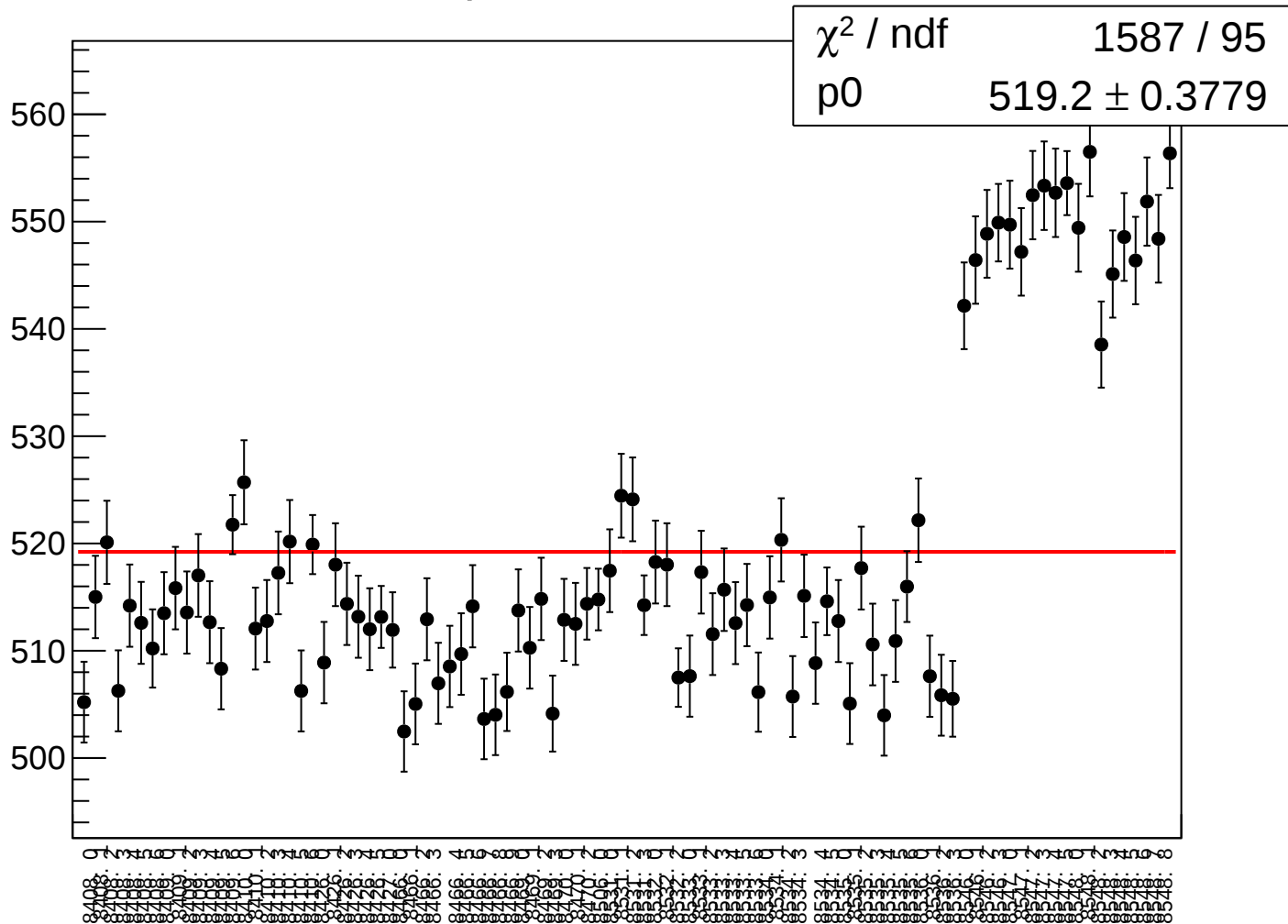
diff_bpm1i02Y_mean vs run



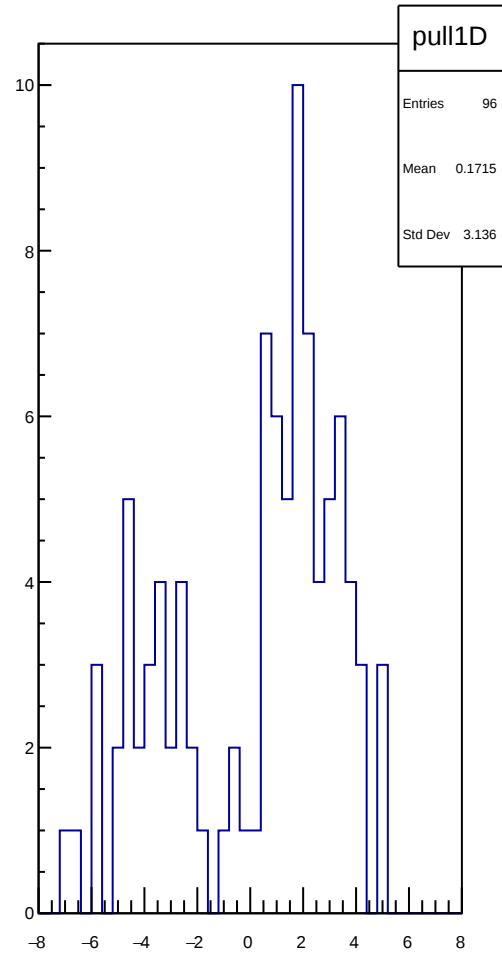
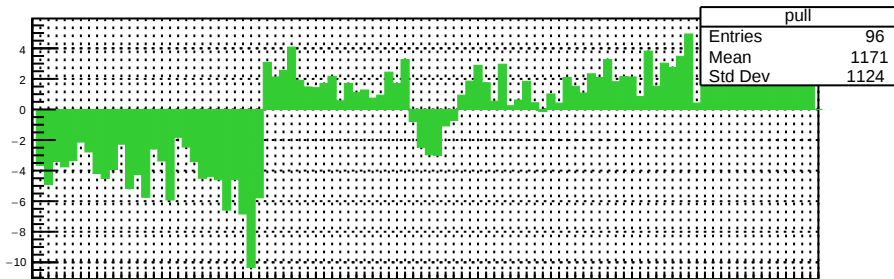
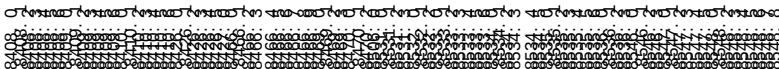
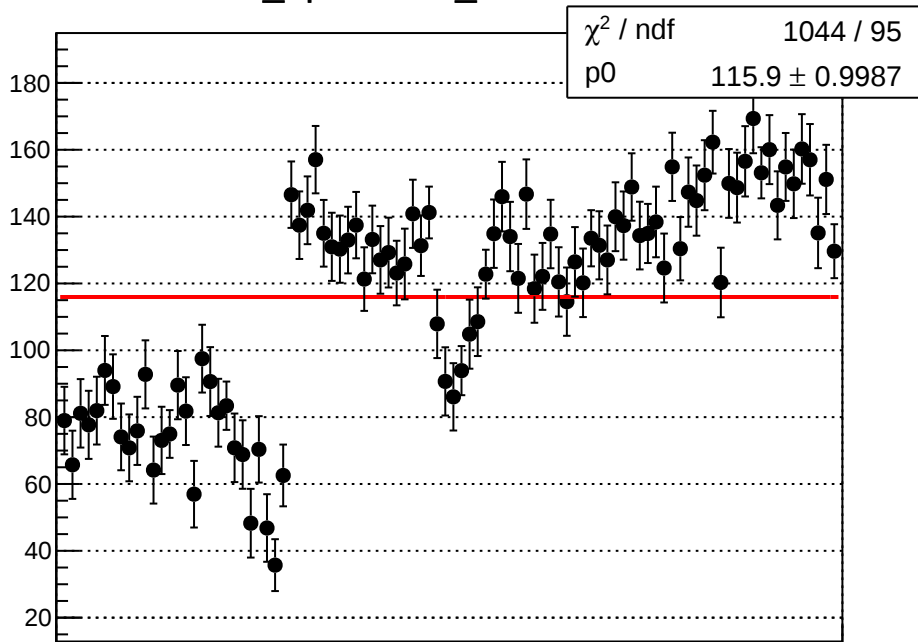
Correlation matrix plot showing the correlation between the variables. The plot is a lower triangular matrix with a color scale from -0.5 to 0.5.



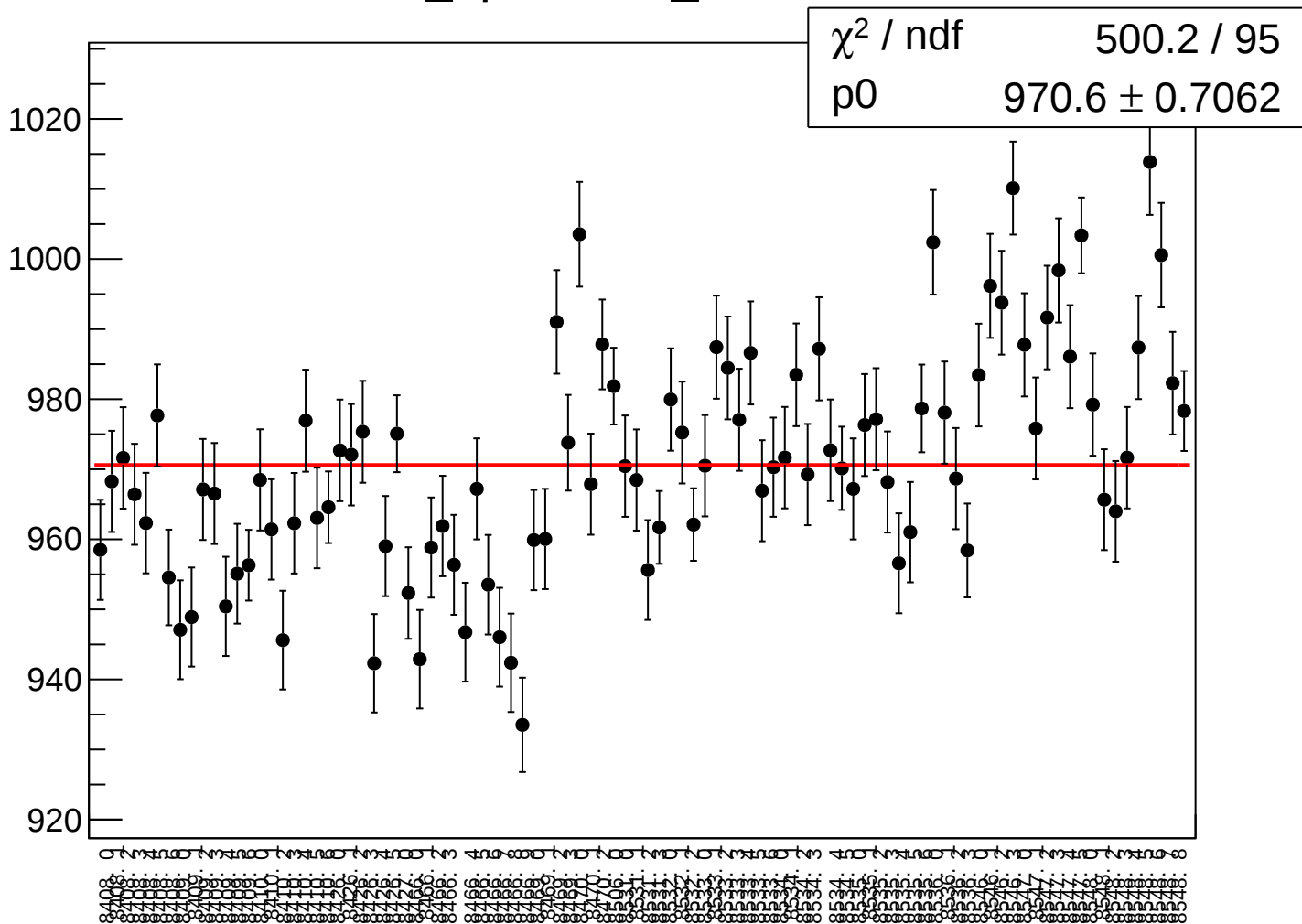
diff_bpm1i02Y_rms vs run



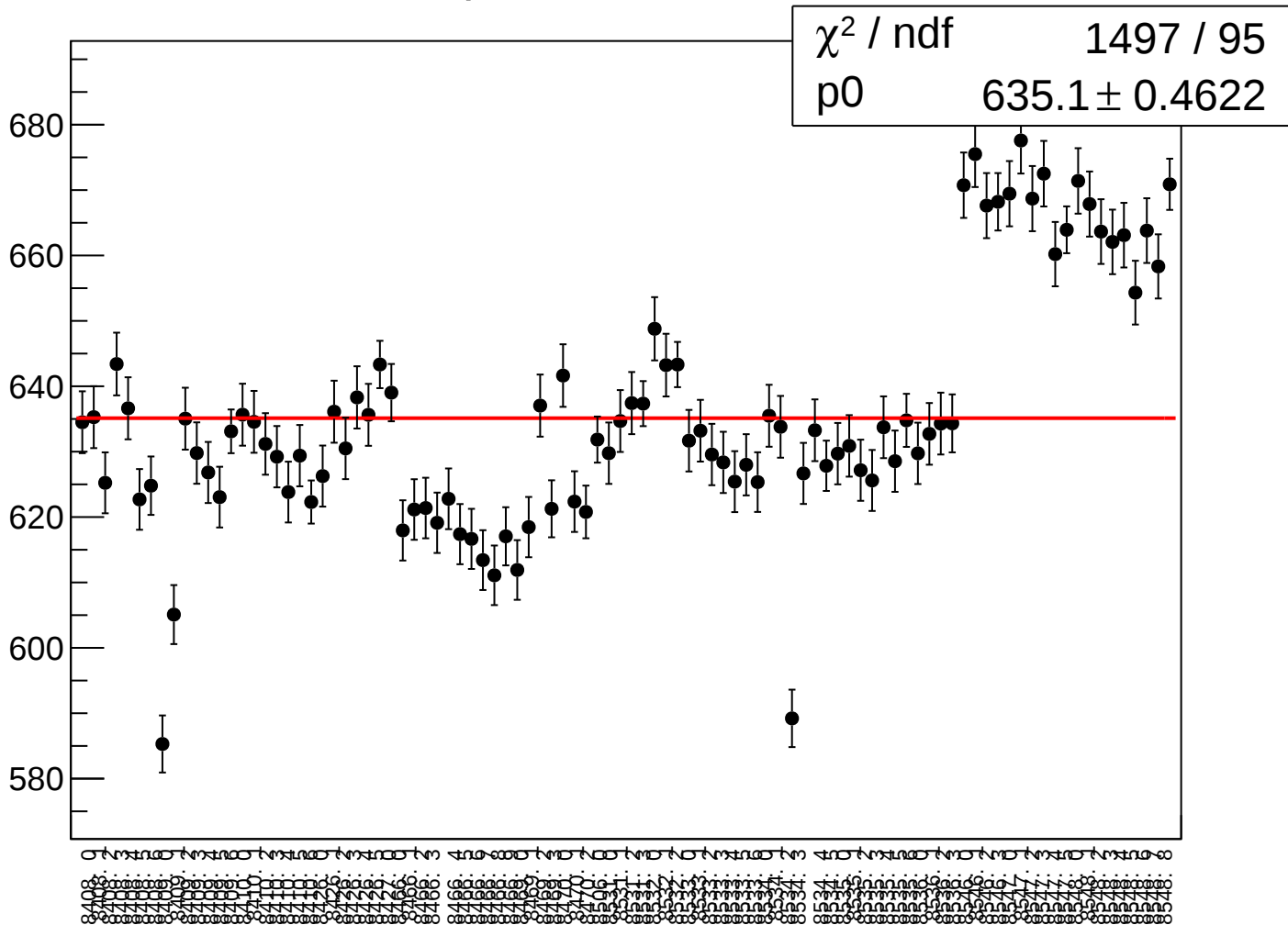
diff_bpm1i04X_mean vs run



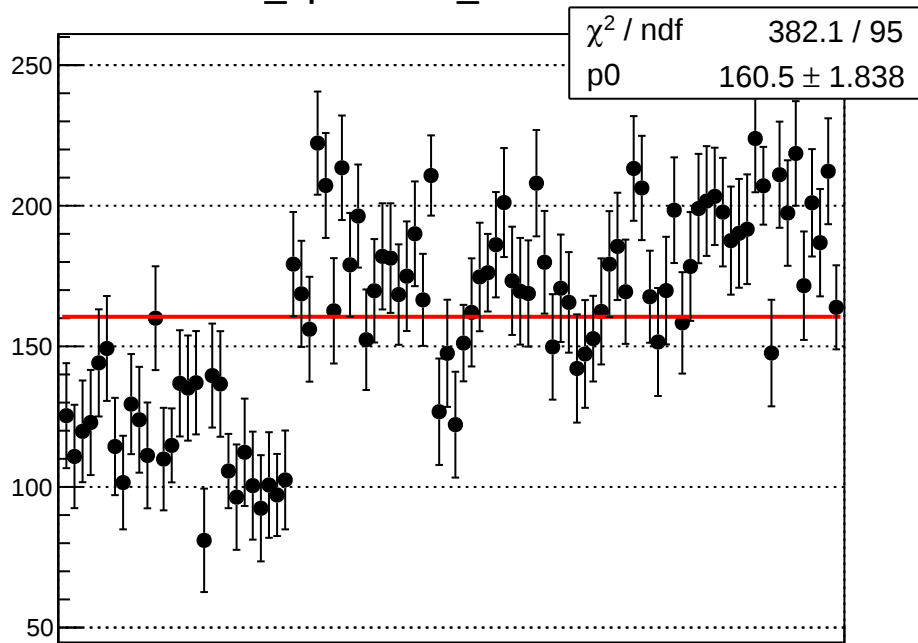
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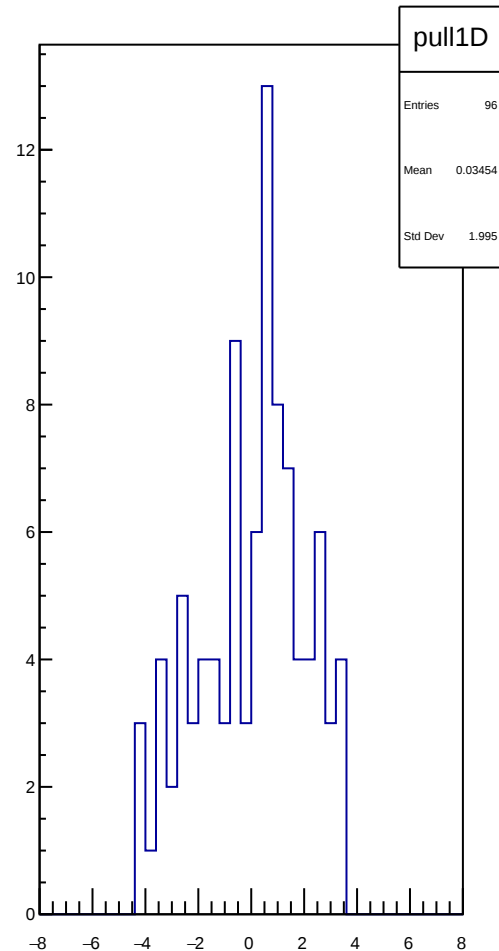
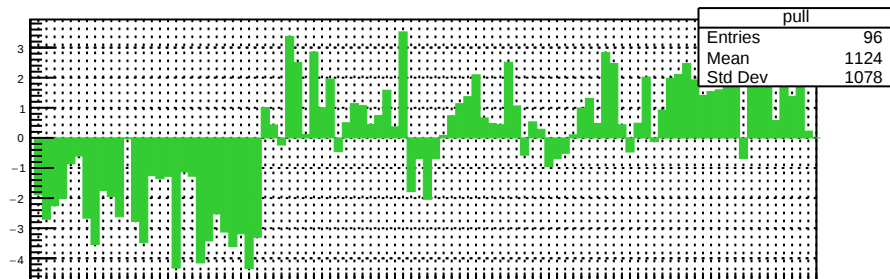
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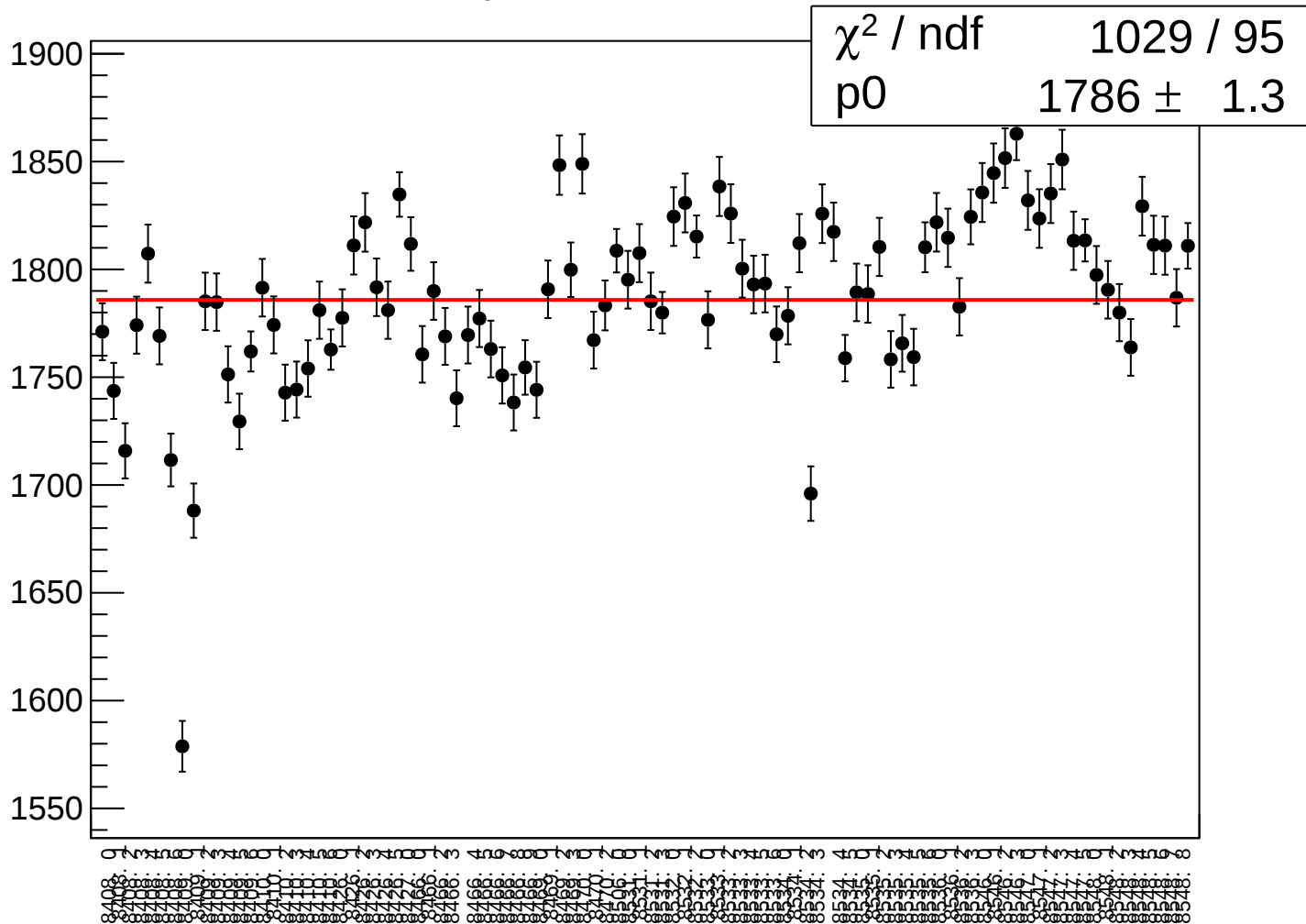
diff_bpm1i06X_mean vs run



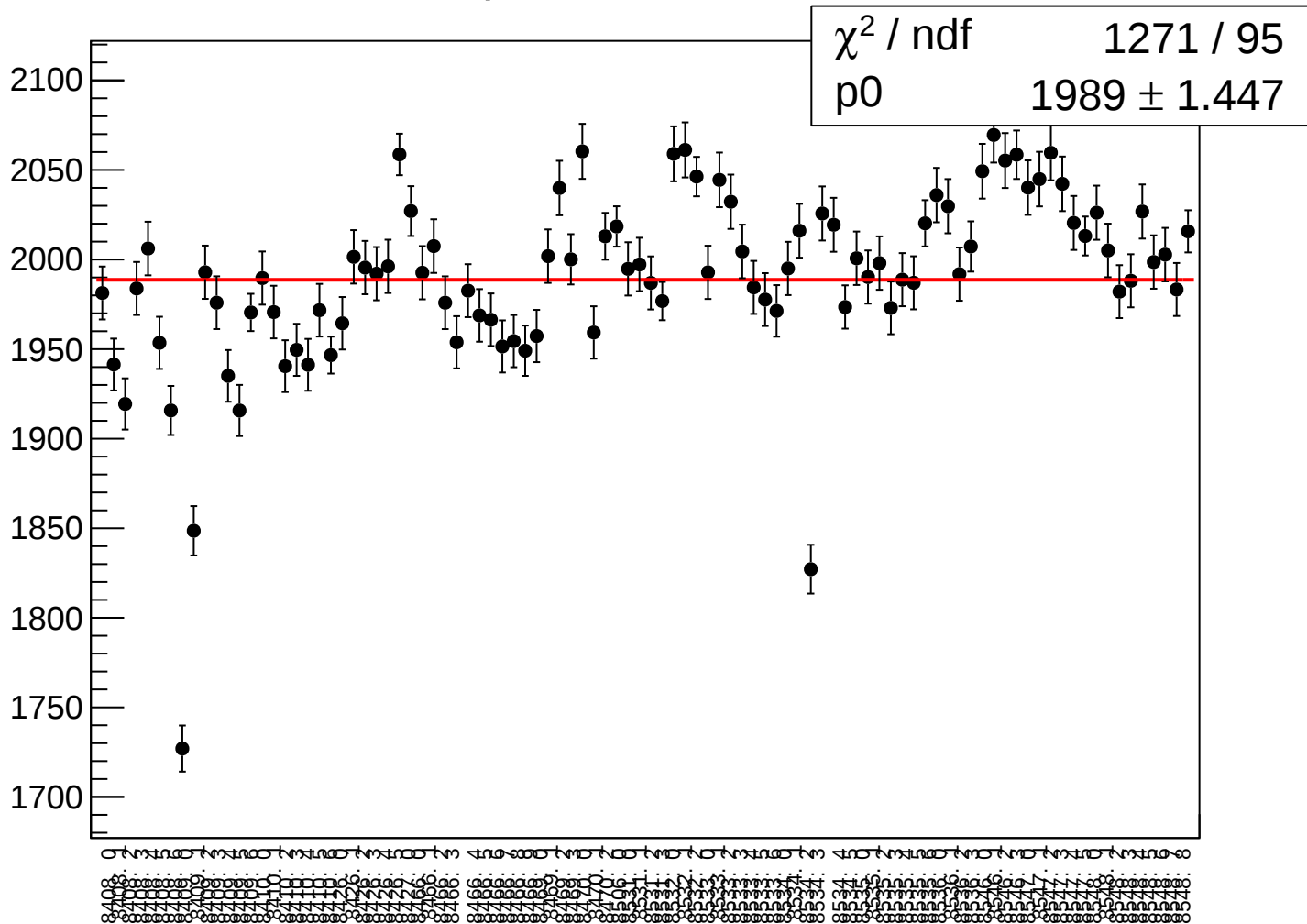
Correlation plot showing the correlation between the difference in BPM1i06X mean and run. The plot shows a strong positive correlation, indicating that the difference in BPM1i06X mean increases with run.



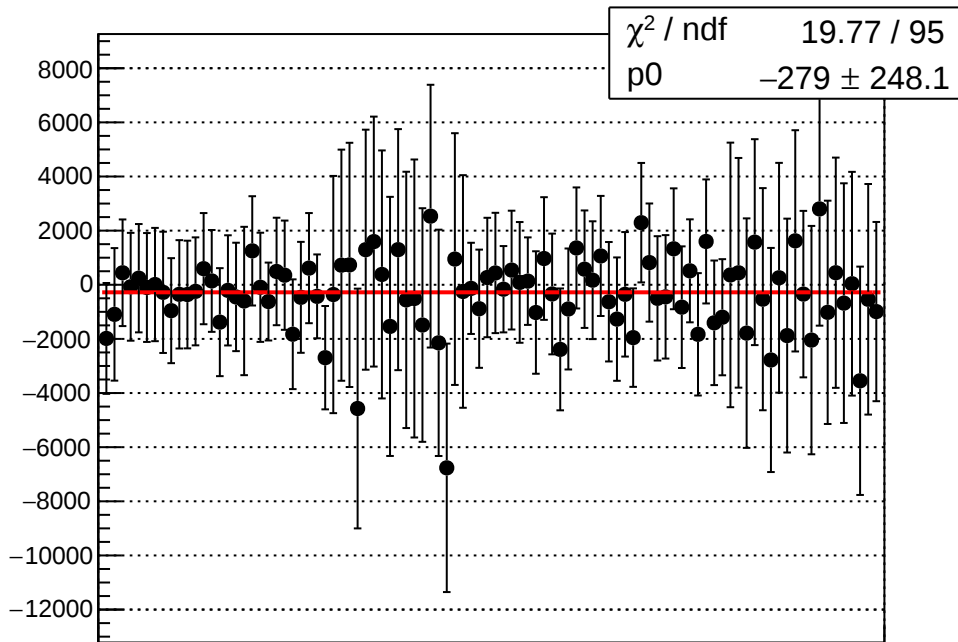
diff_bpm1i06X_rms vs run



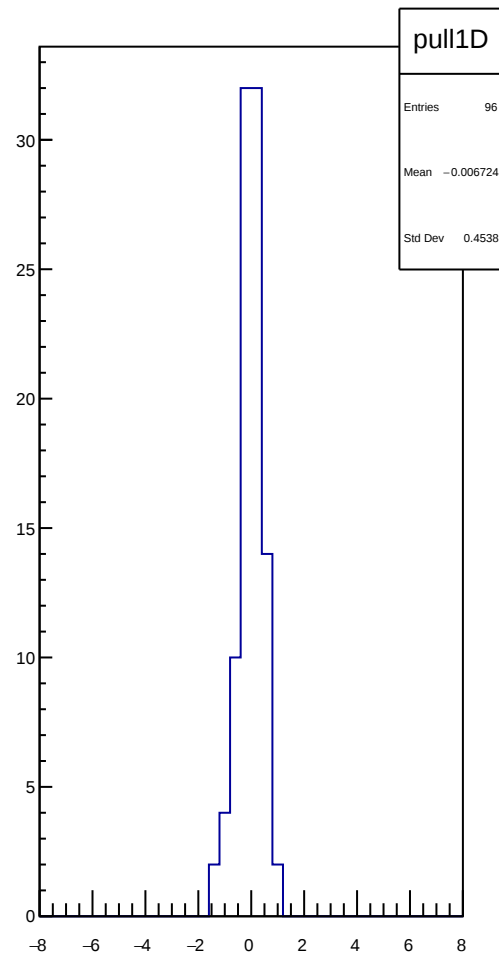
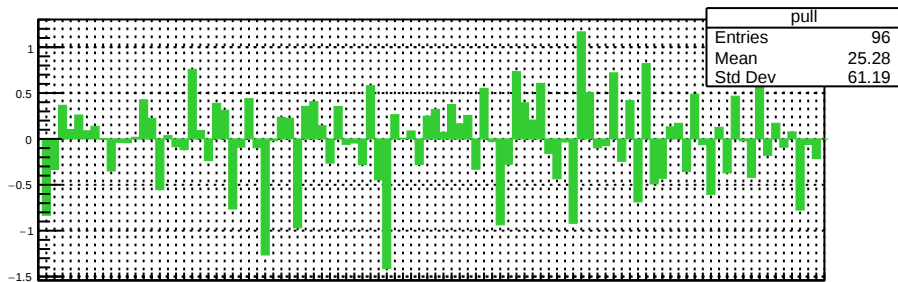
diff_bpm1i06Y_rms vs run



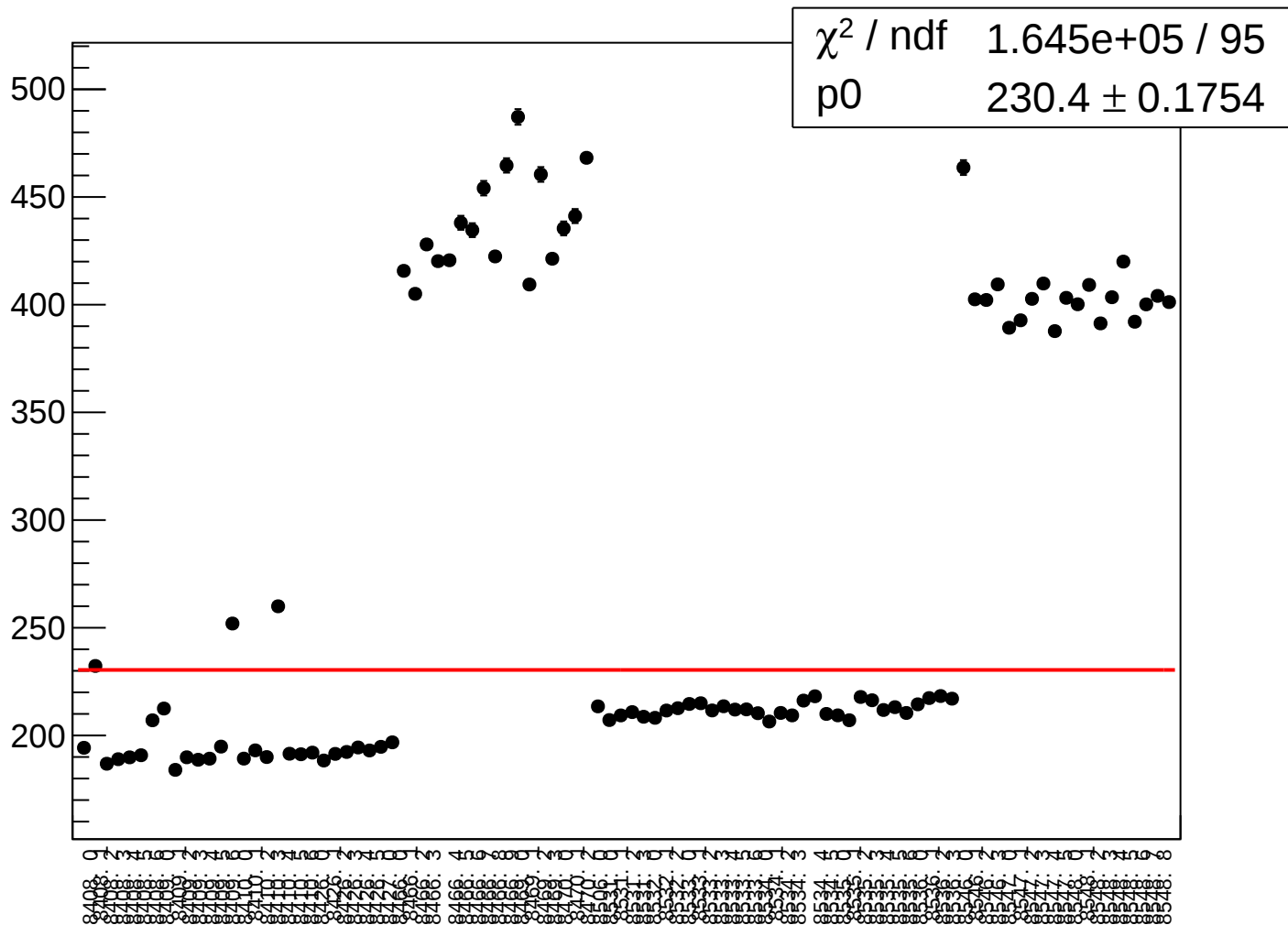
asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run



Correlation matrix of the parameters: asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run



asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run



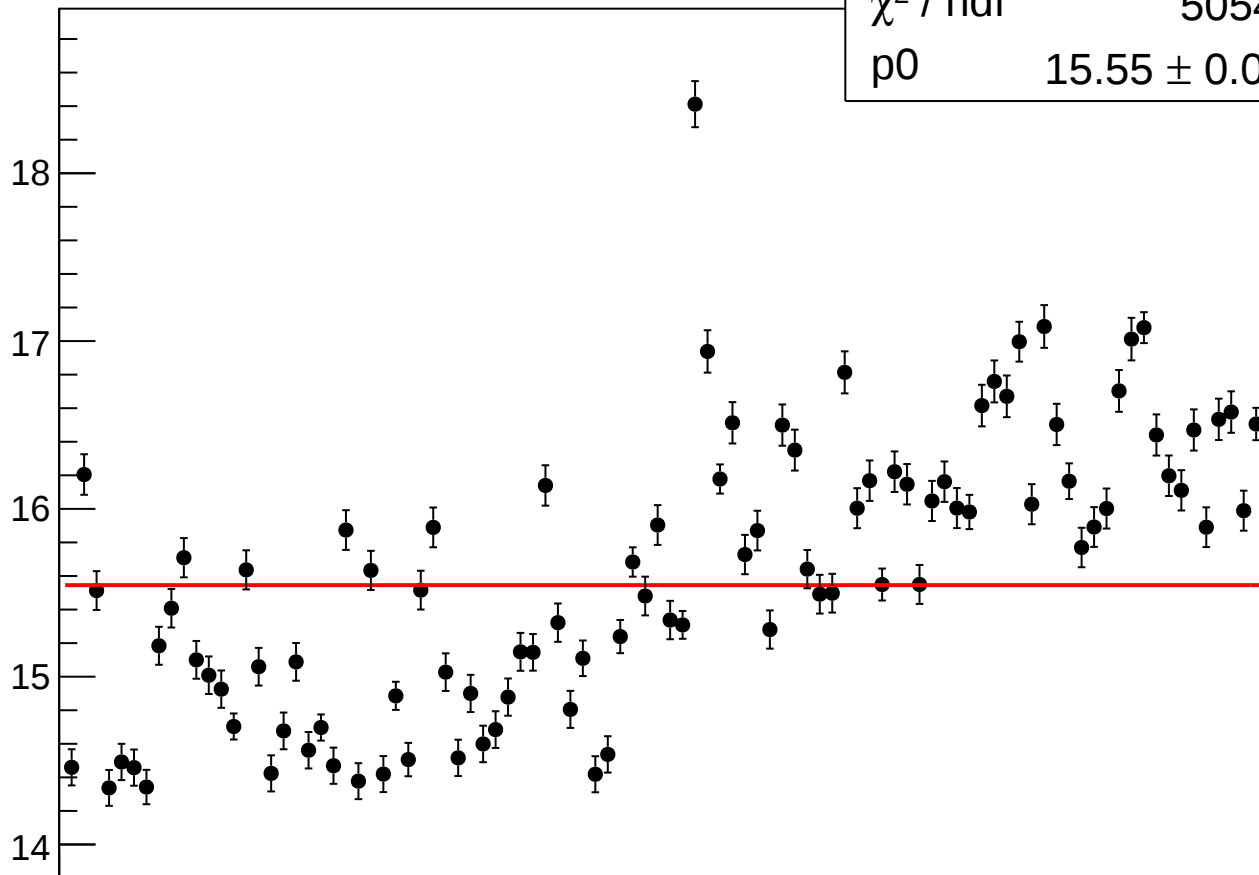
asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run

χ^2 / ndf

5054 / 95

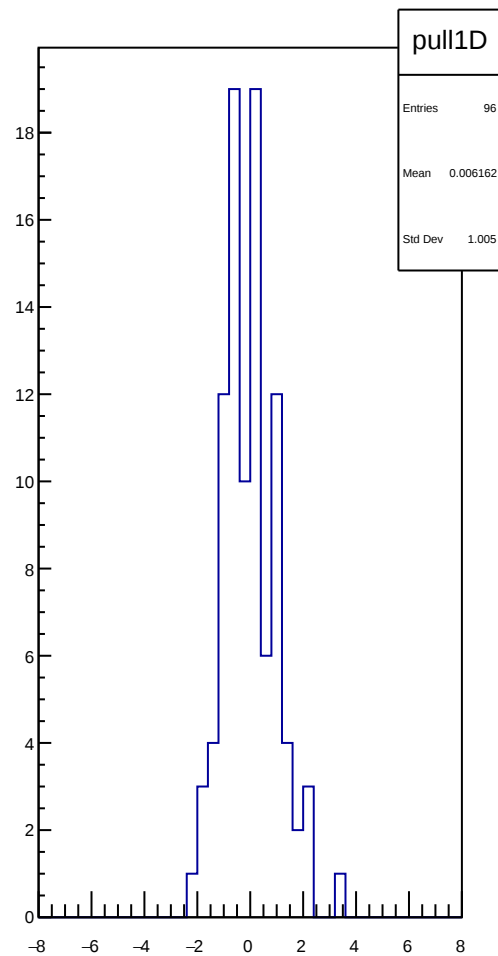
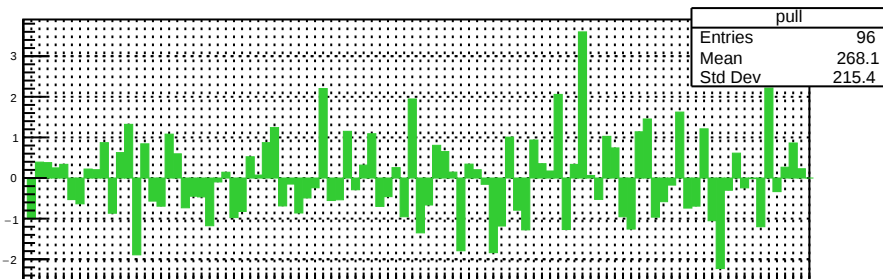
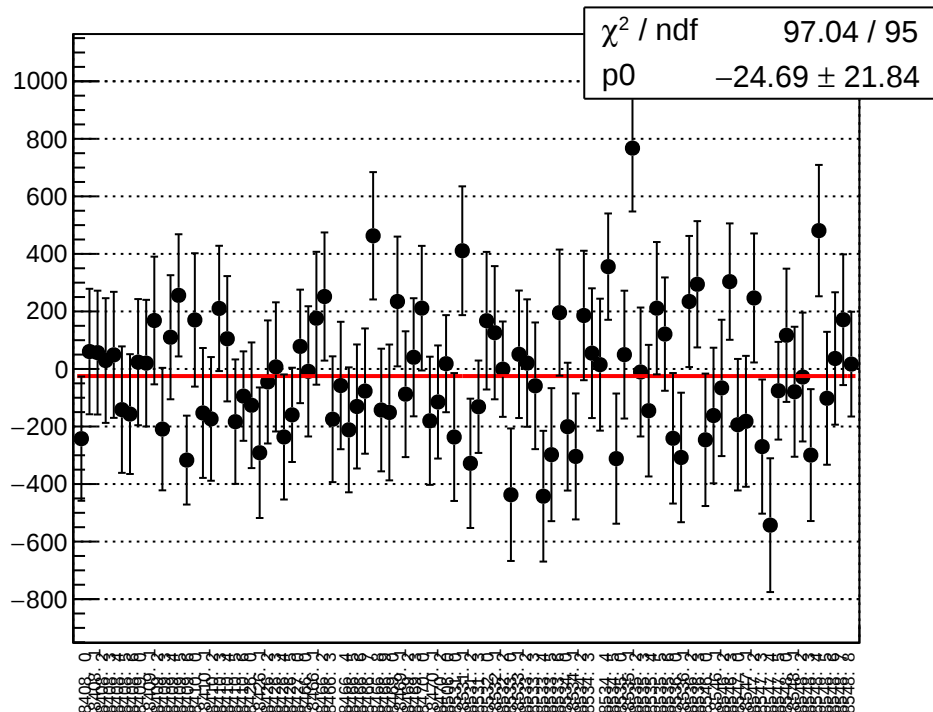
p0

15.55 ± 0.01132

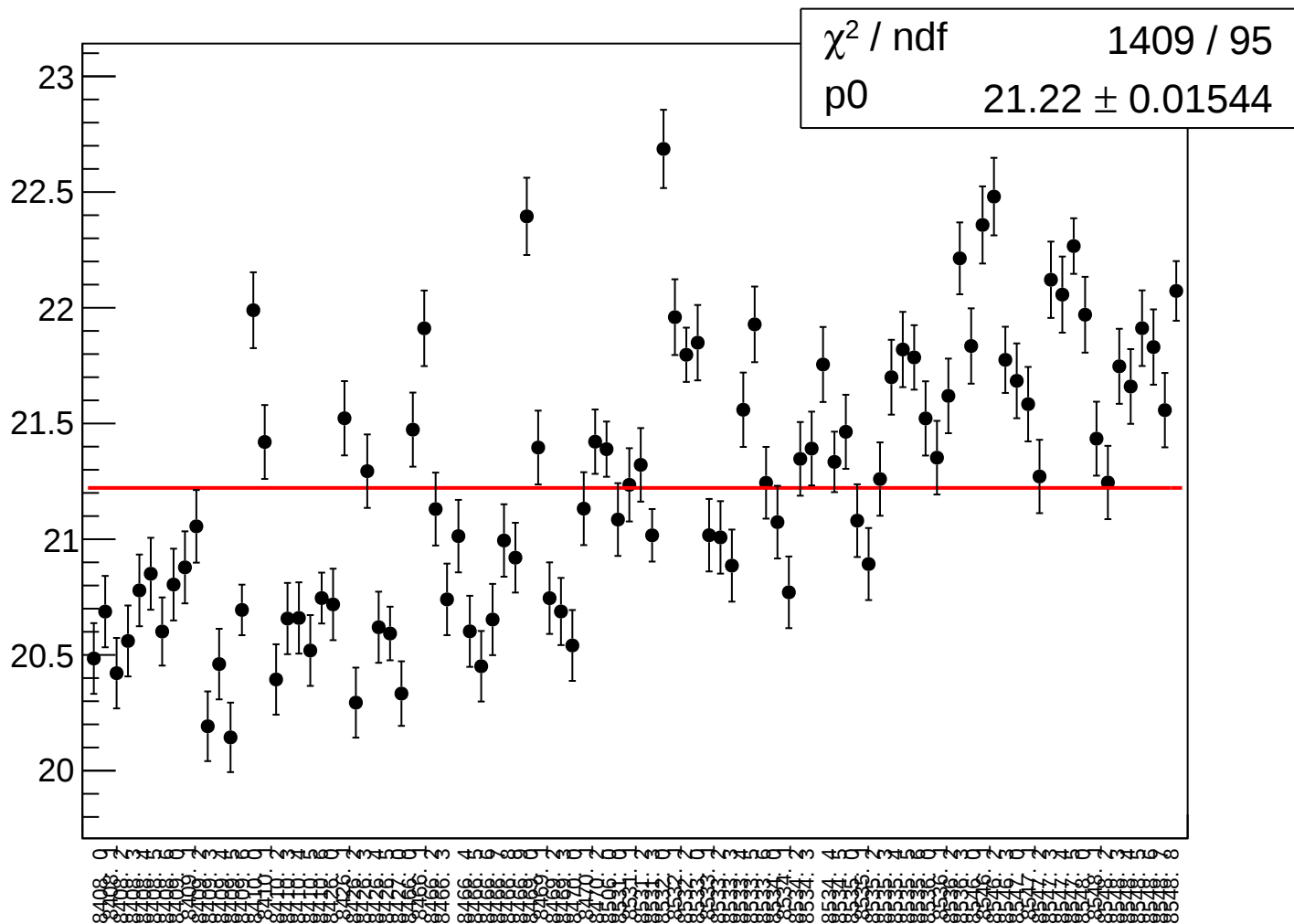


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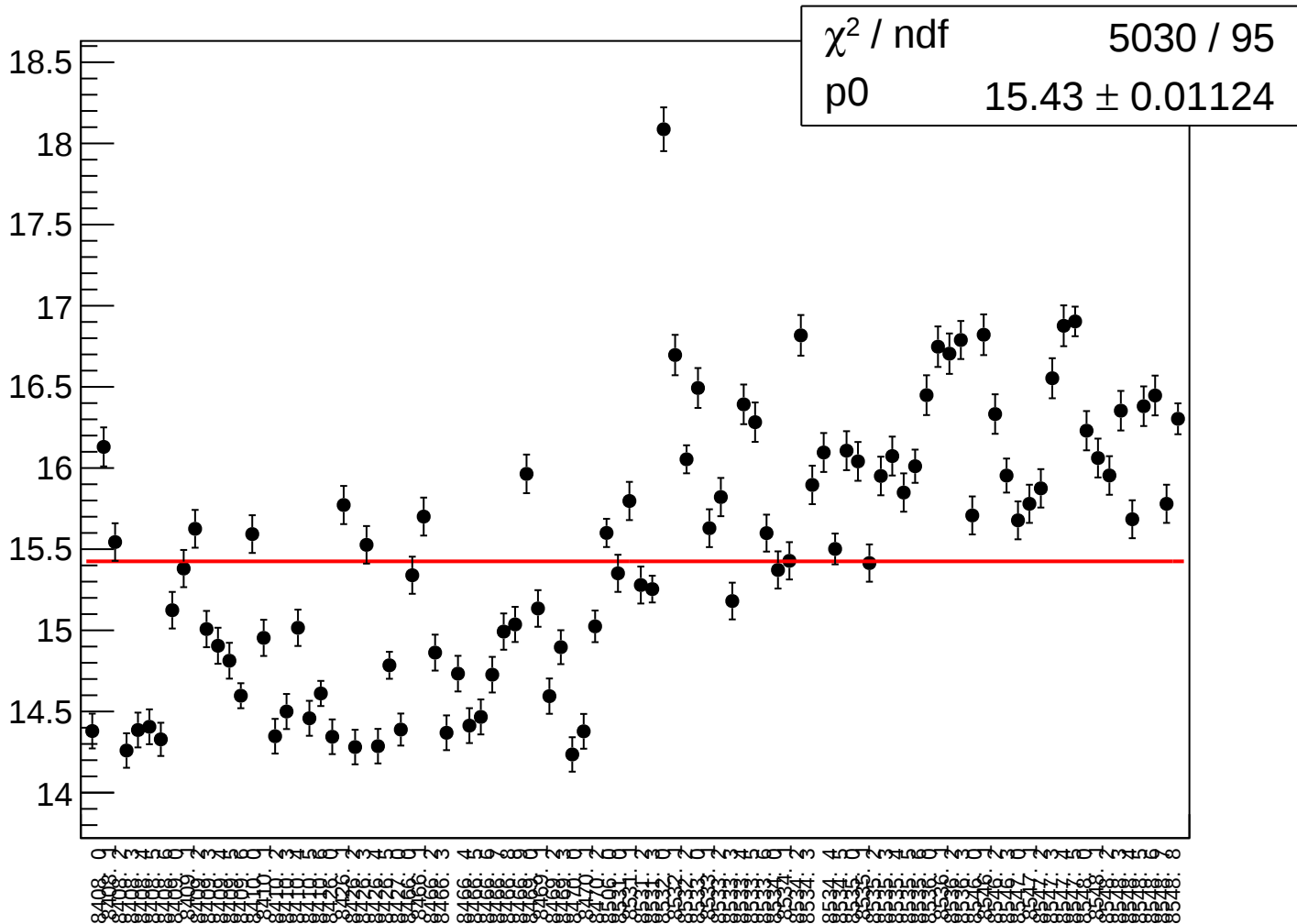
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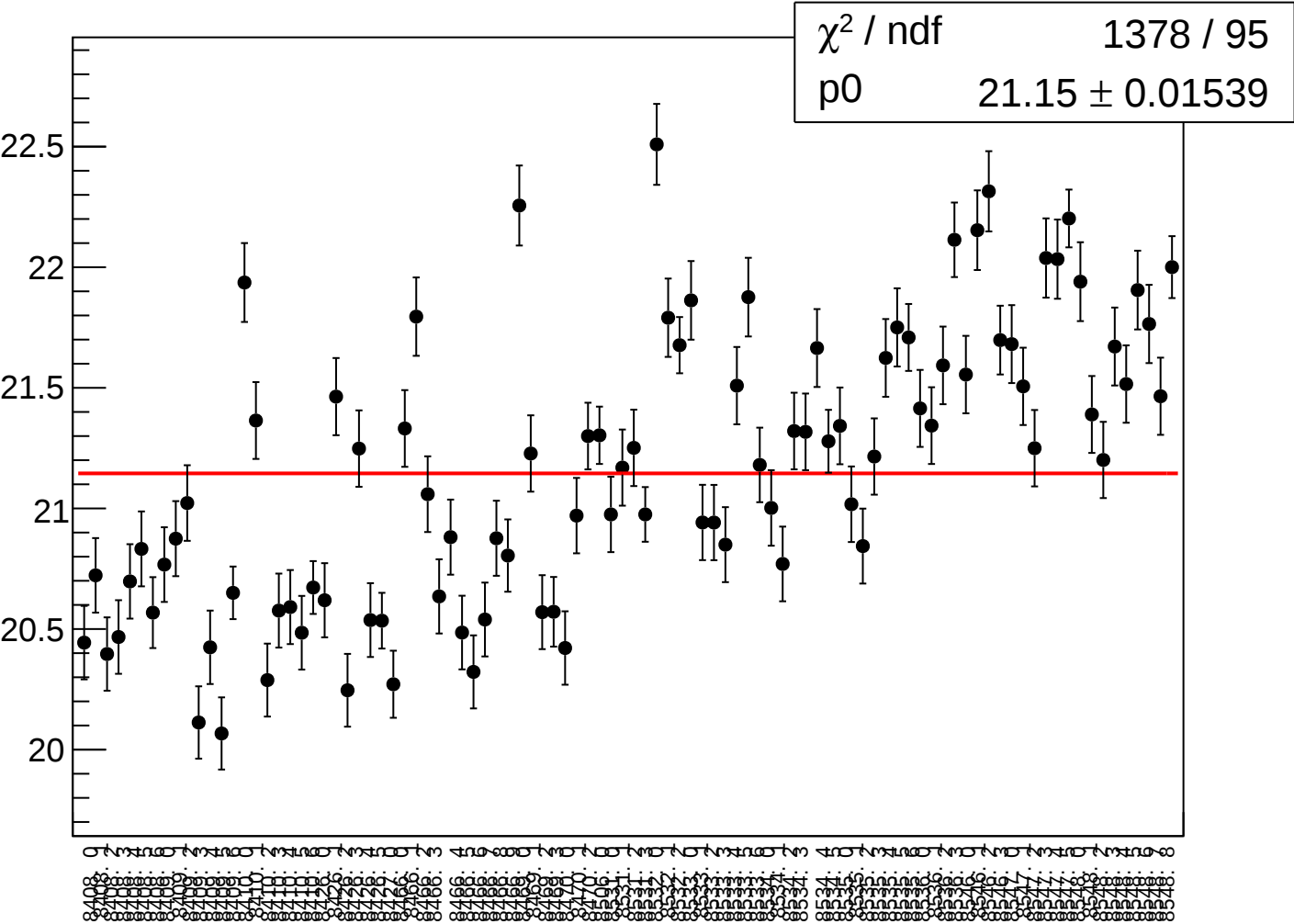
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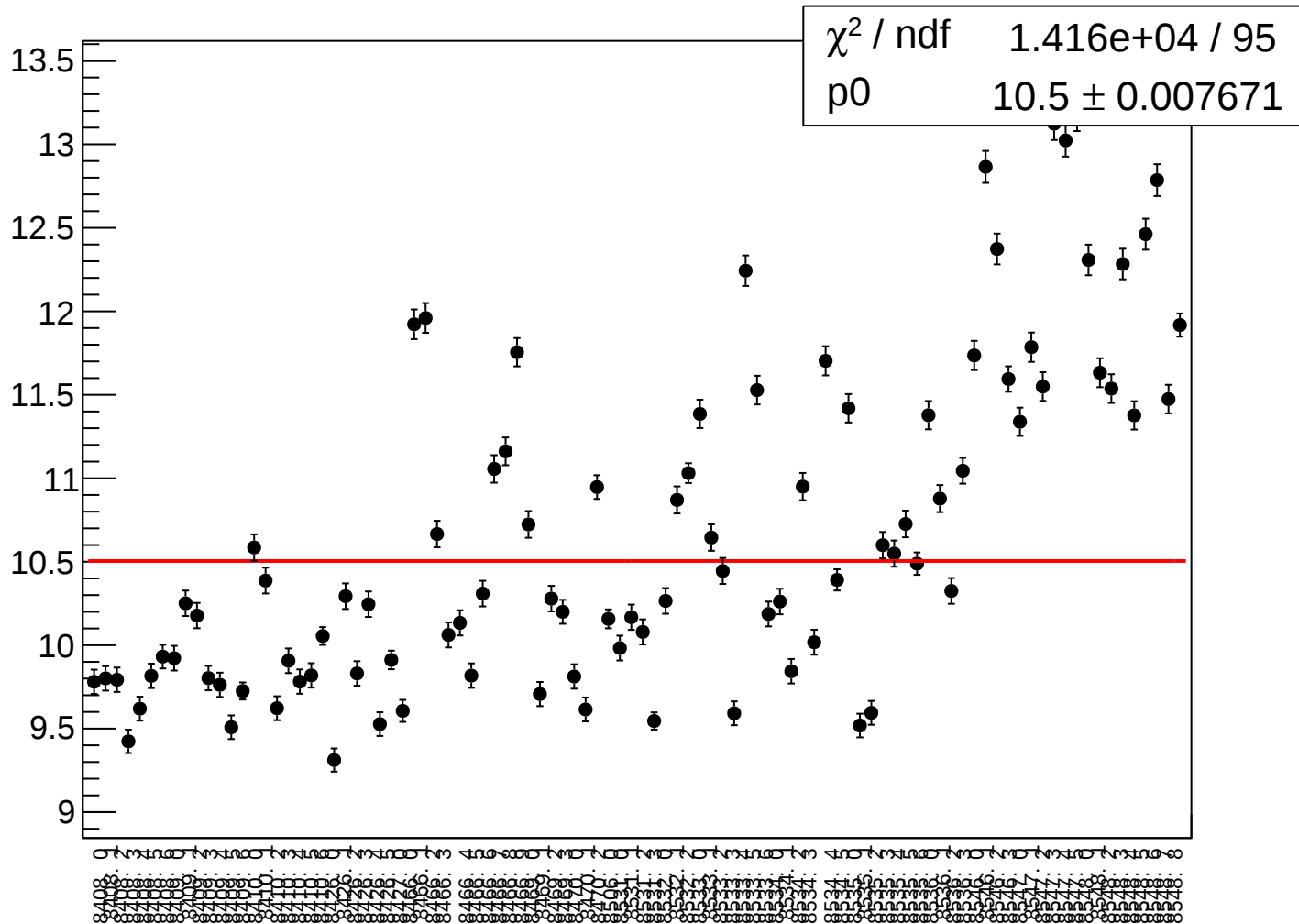
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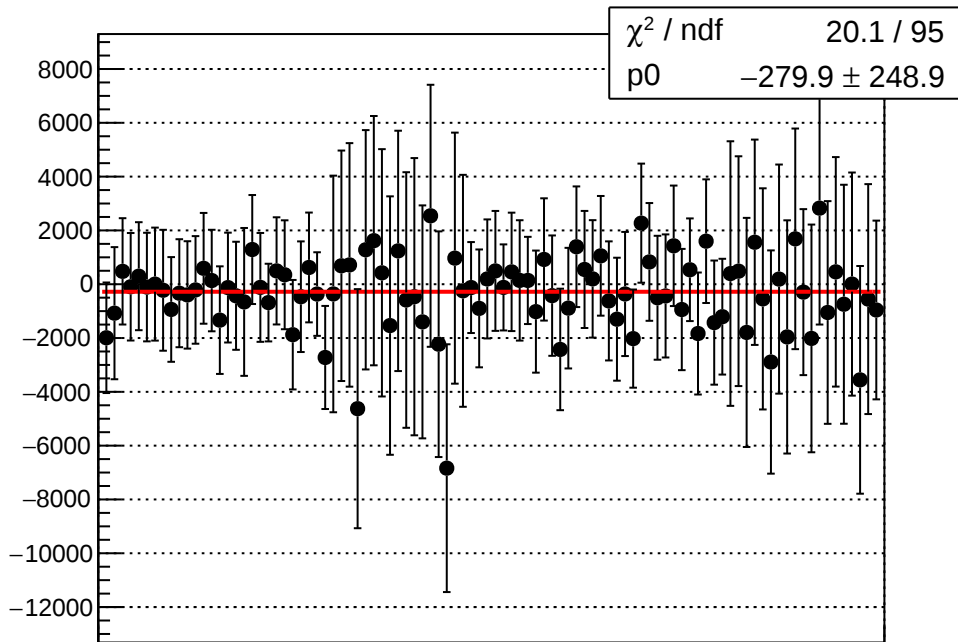
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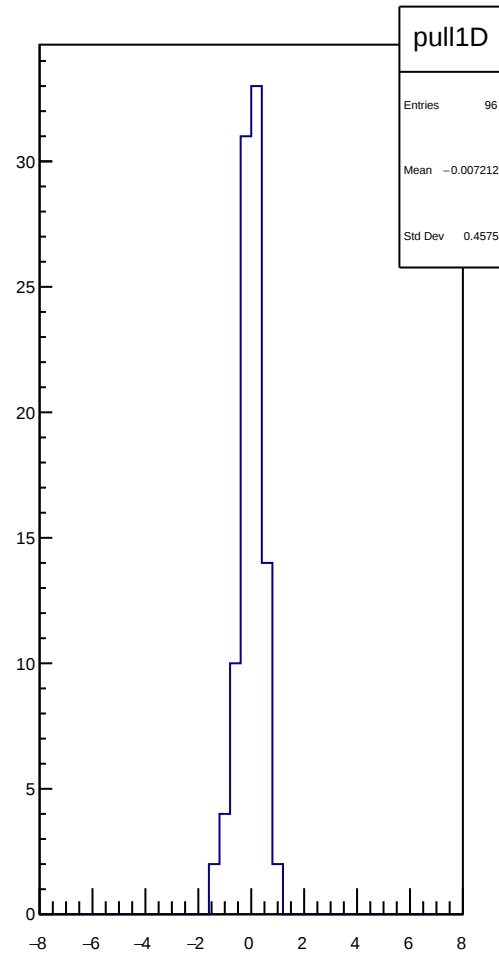
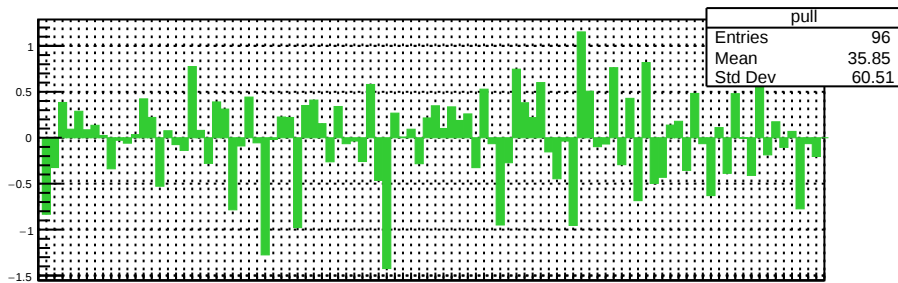
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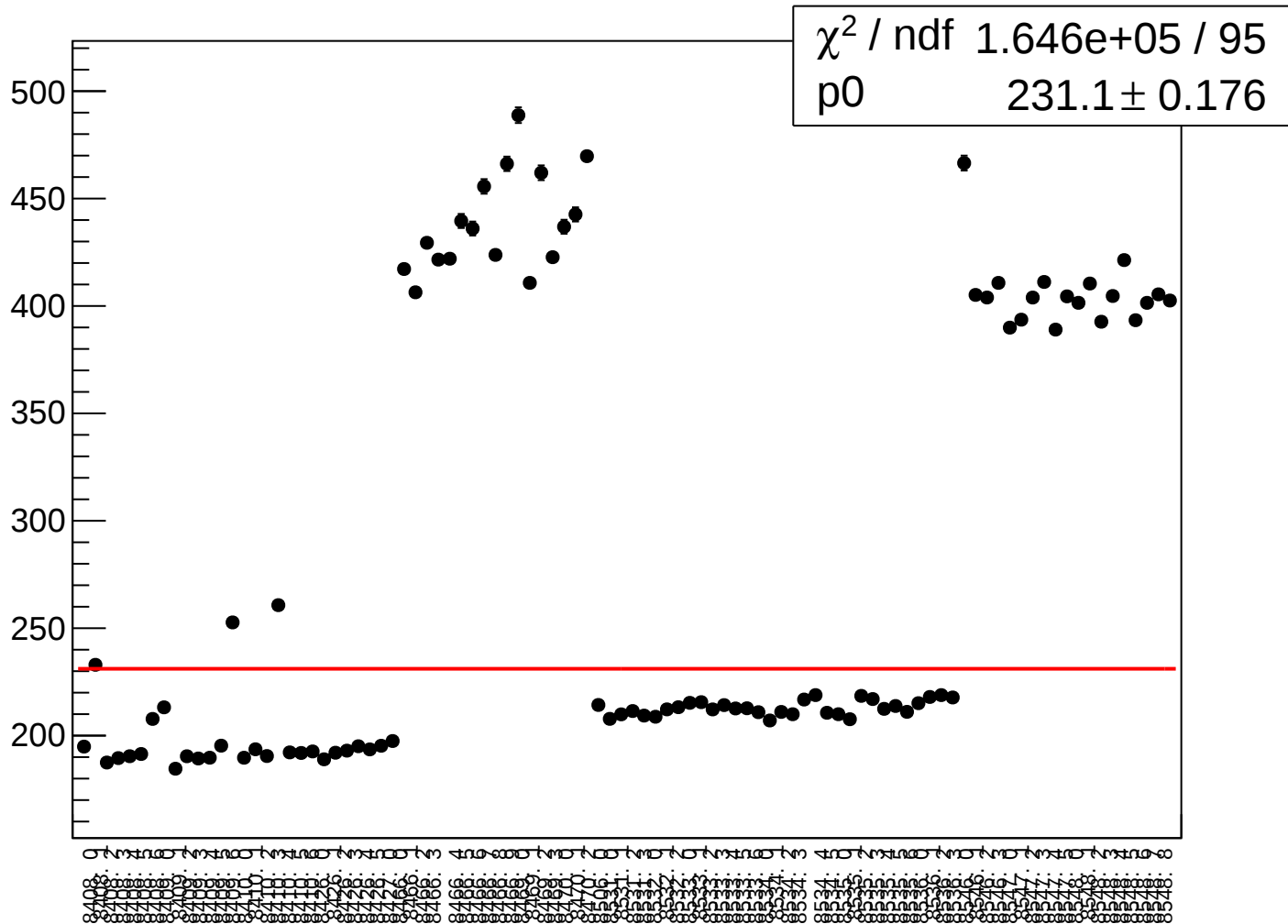
asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run



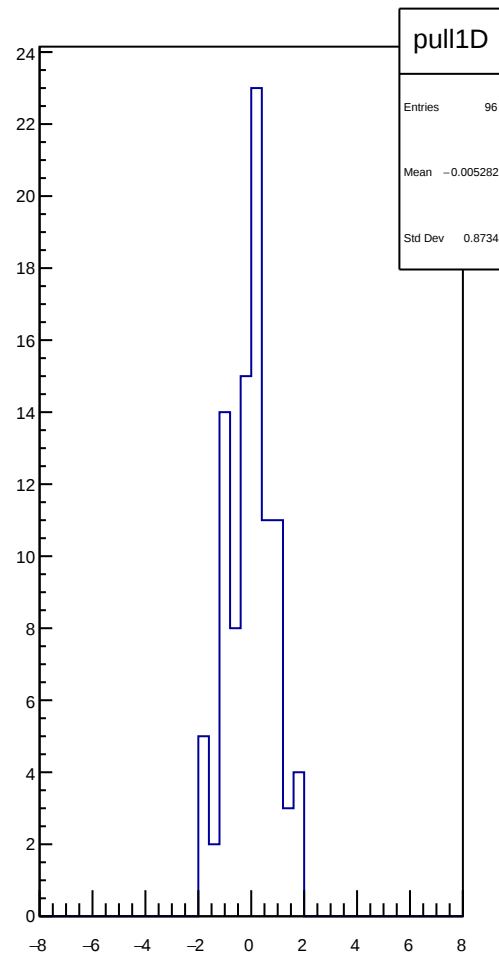
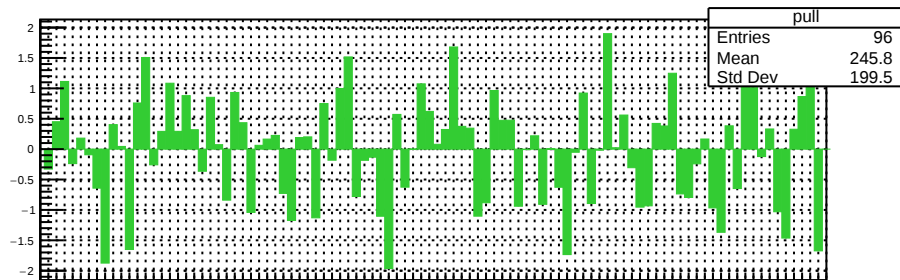
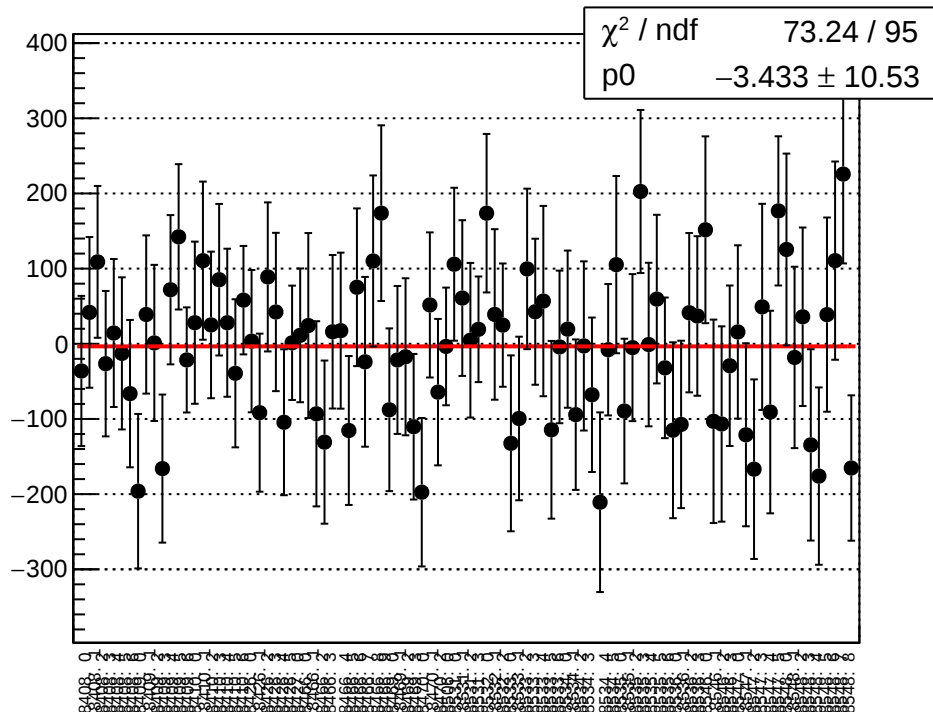
Correlation matrix of the parameters: asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run



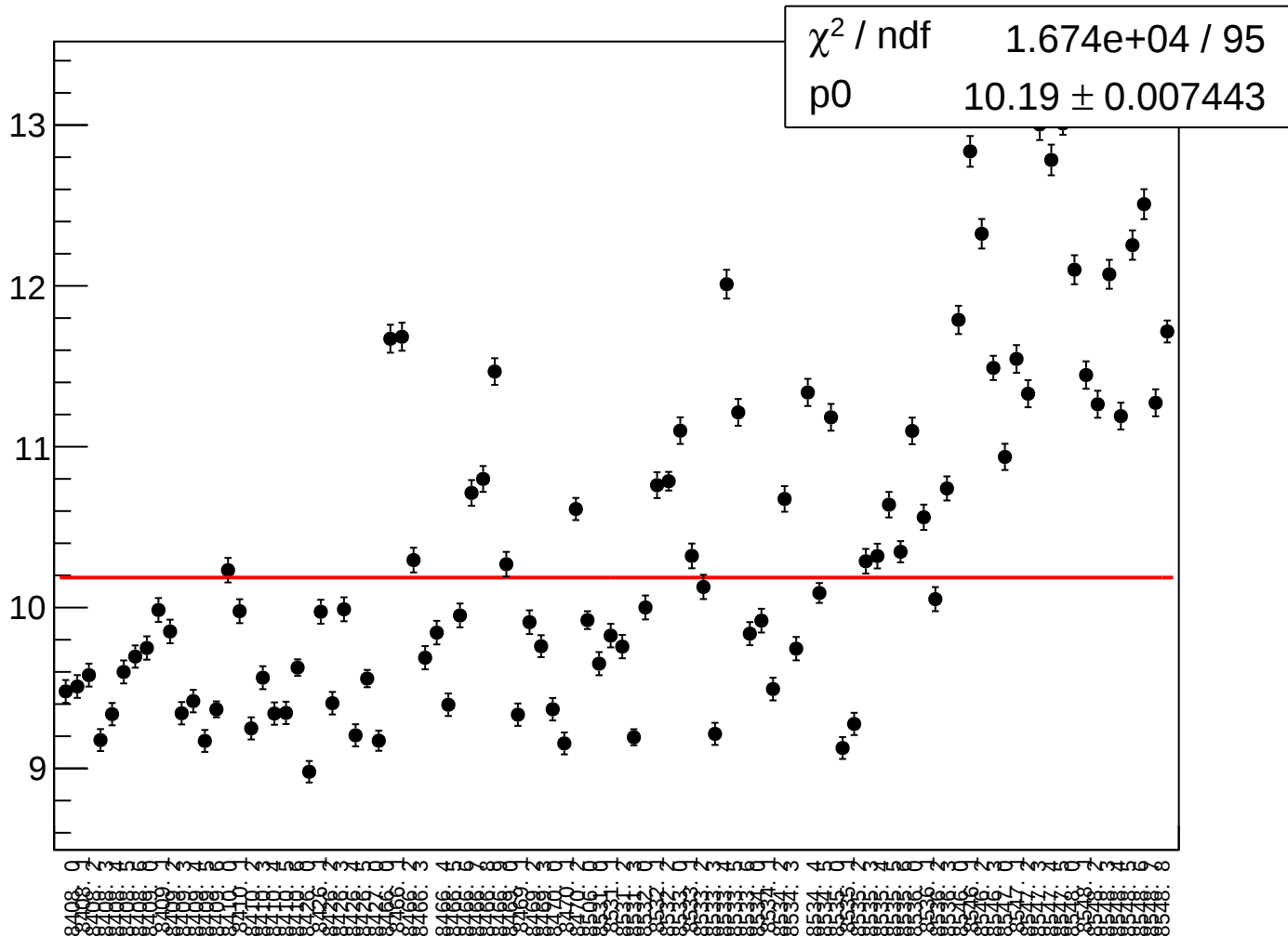
asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run



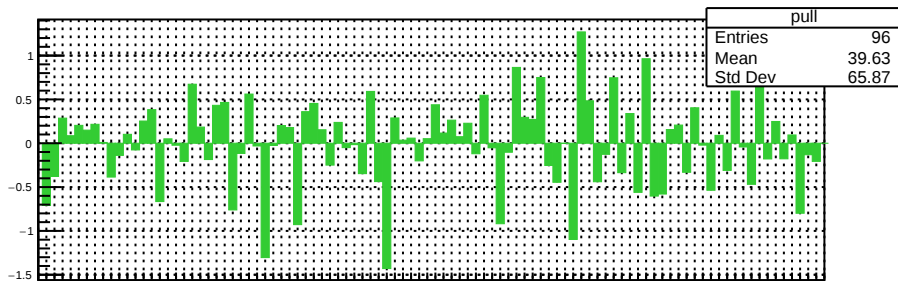
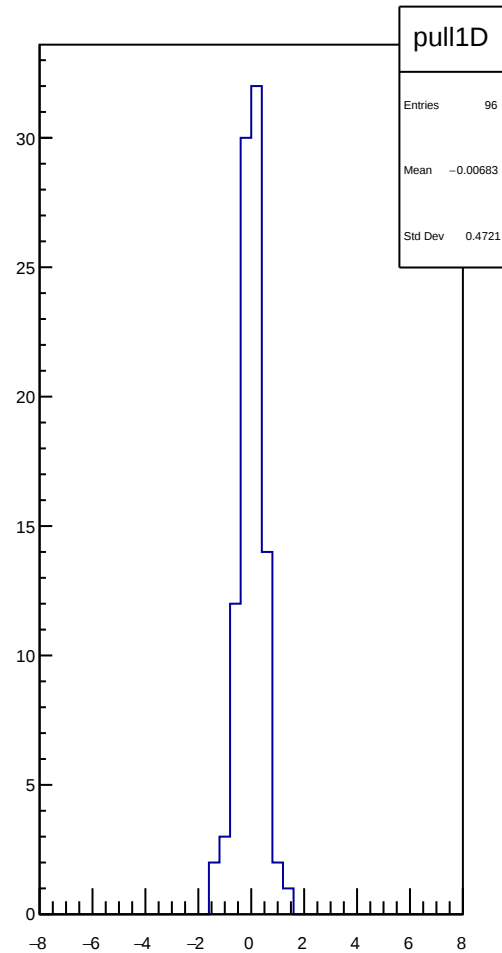
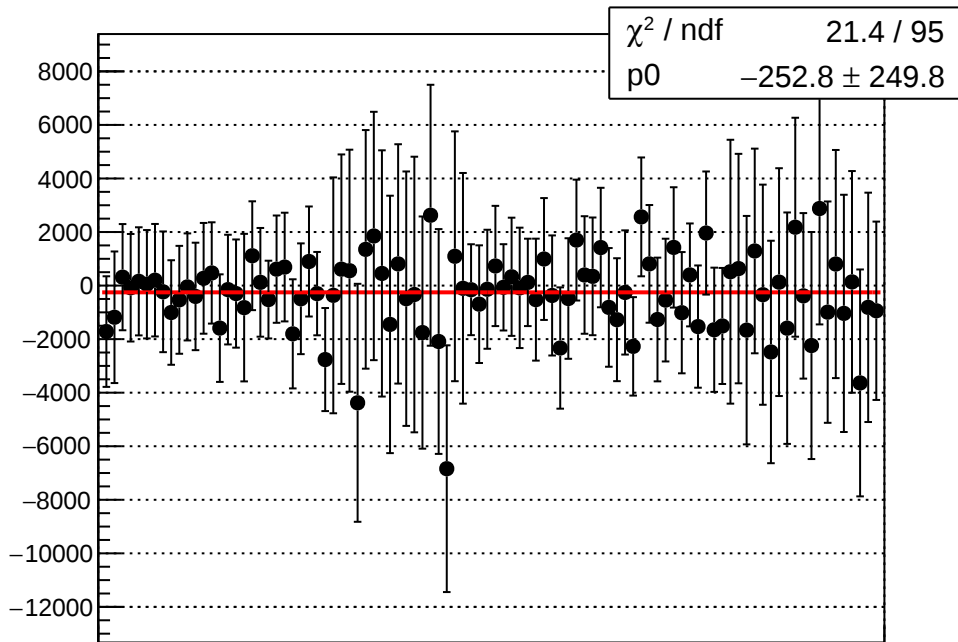
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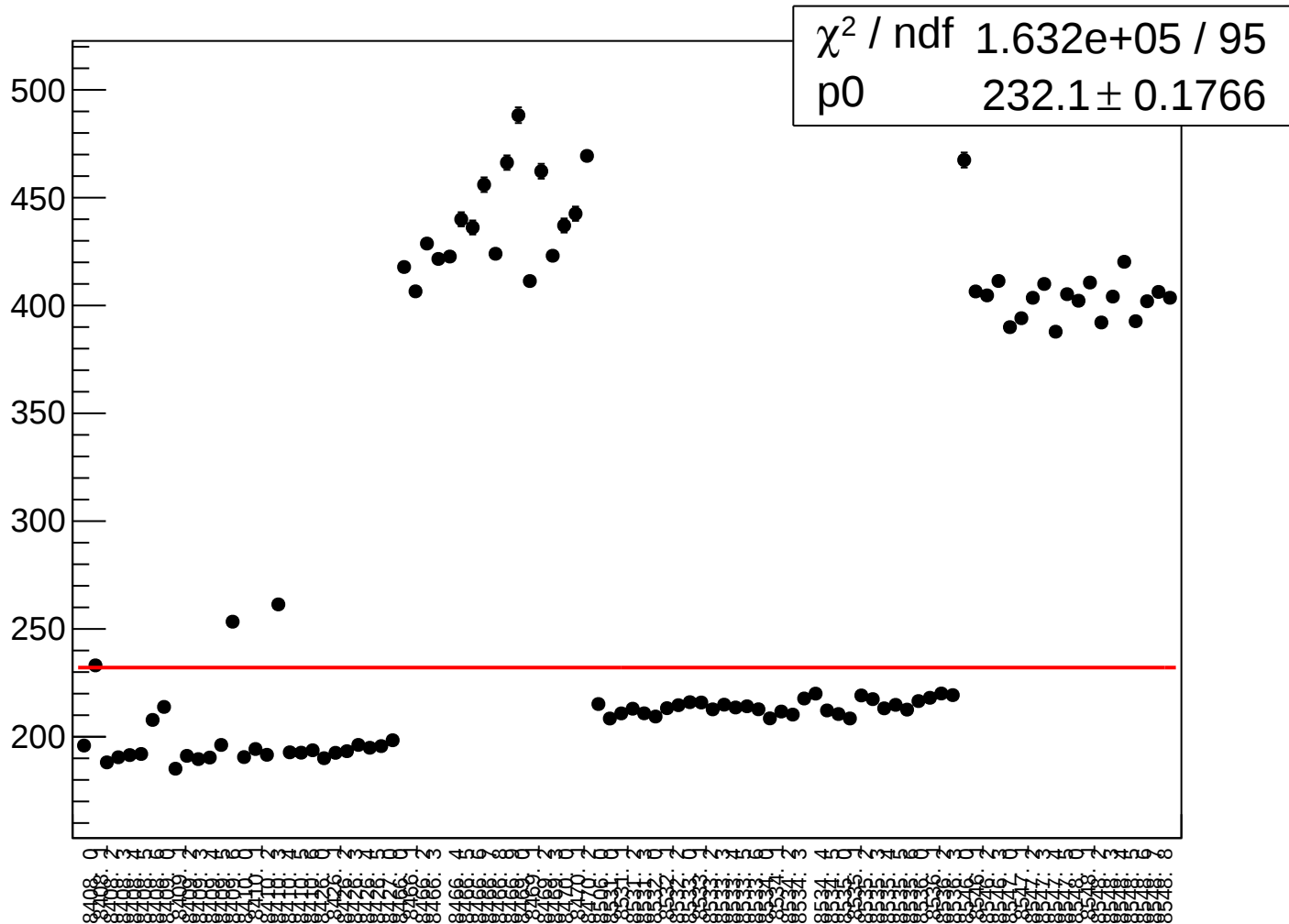
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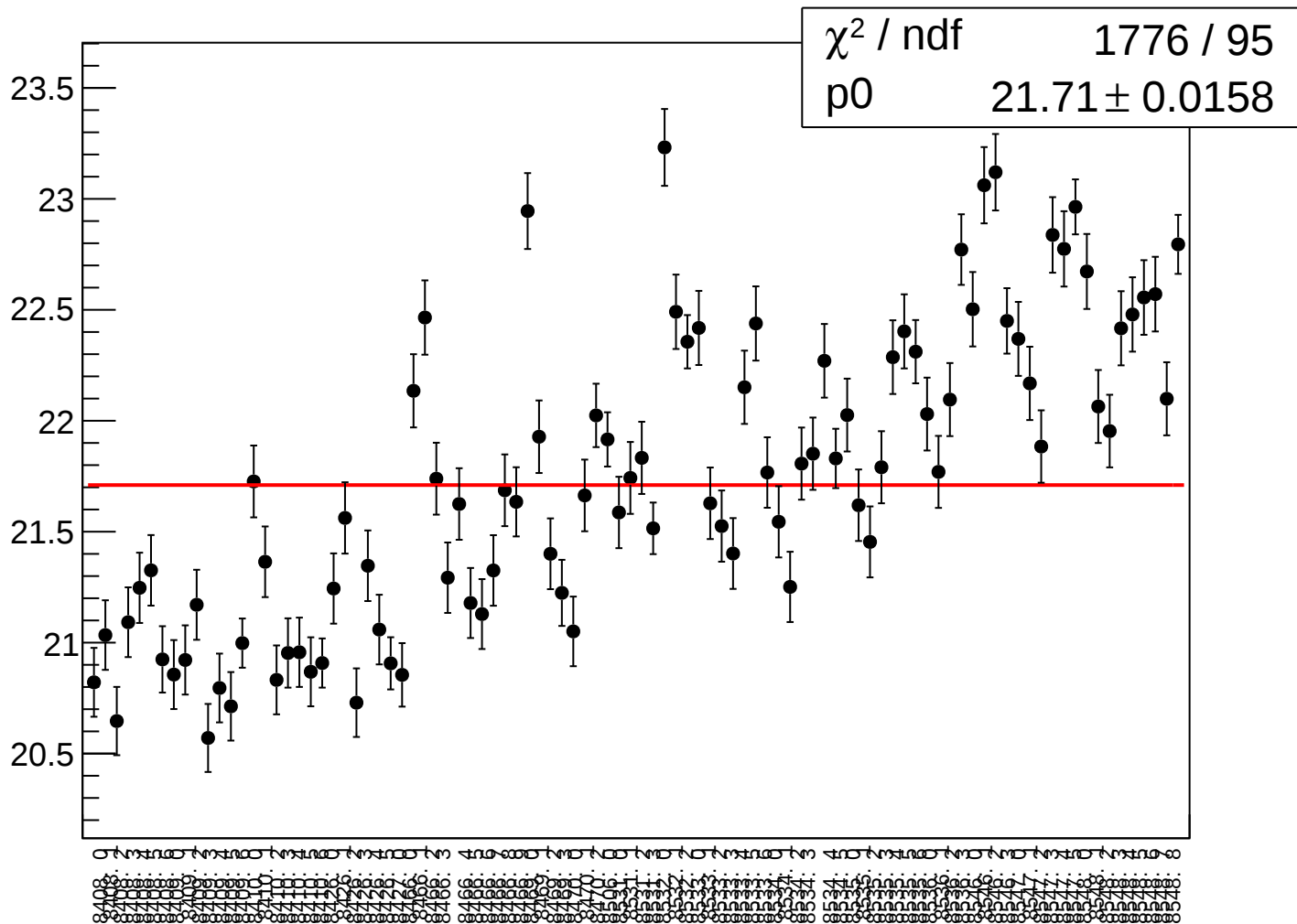
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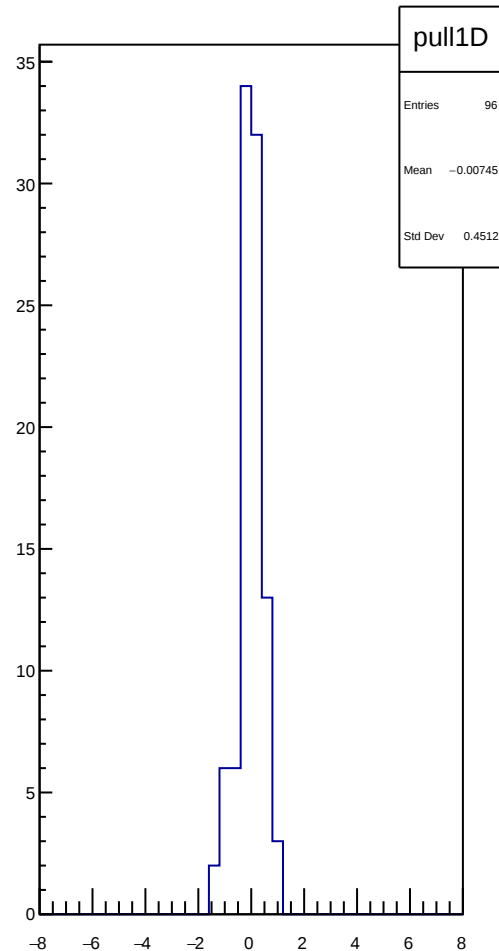
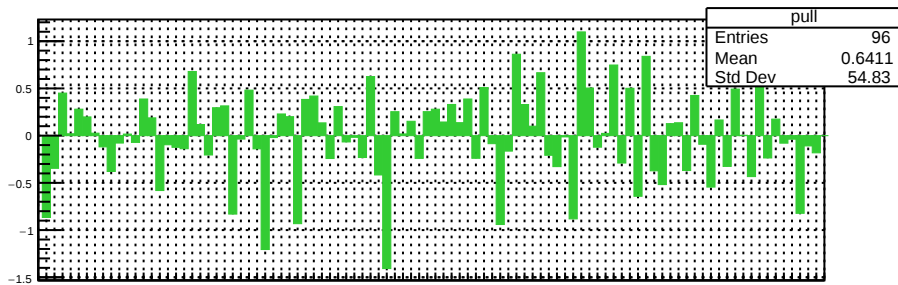
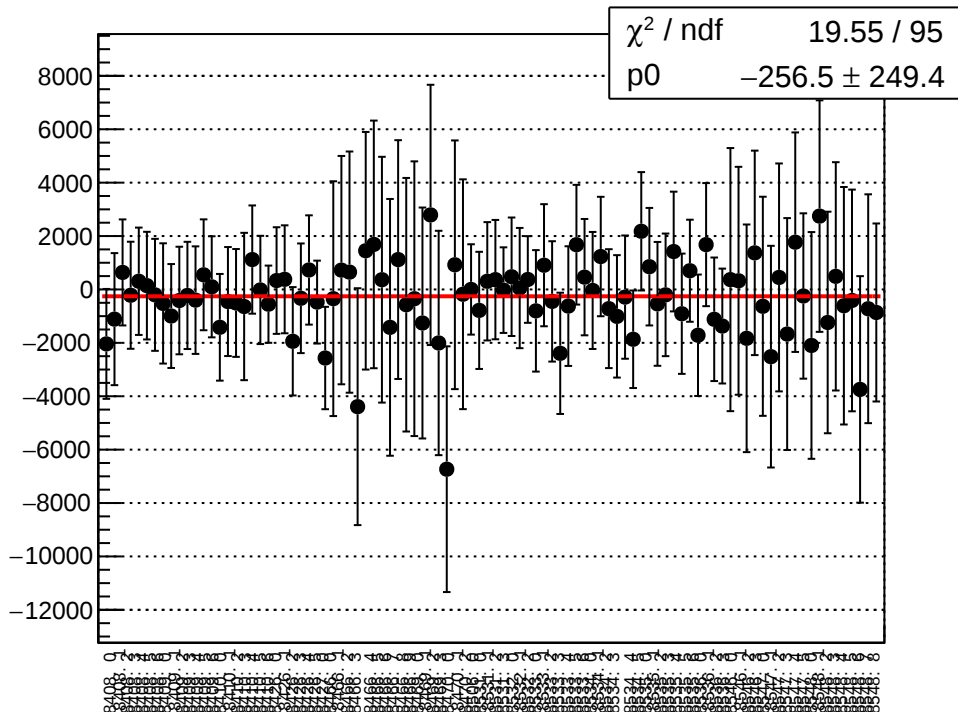
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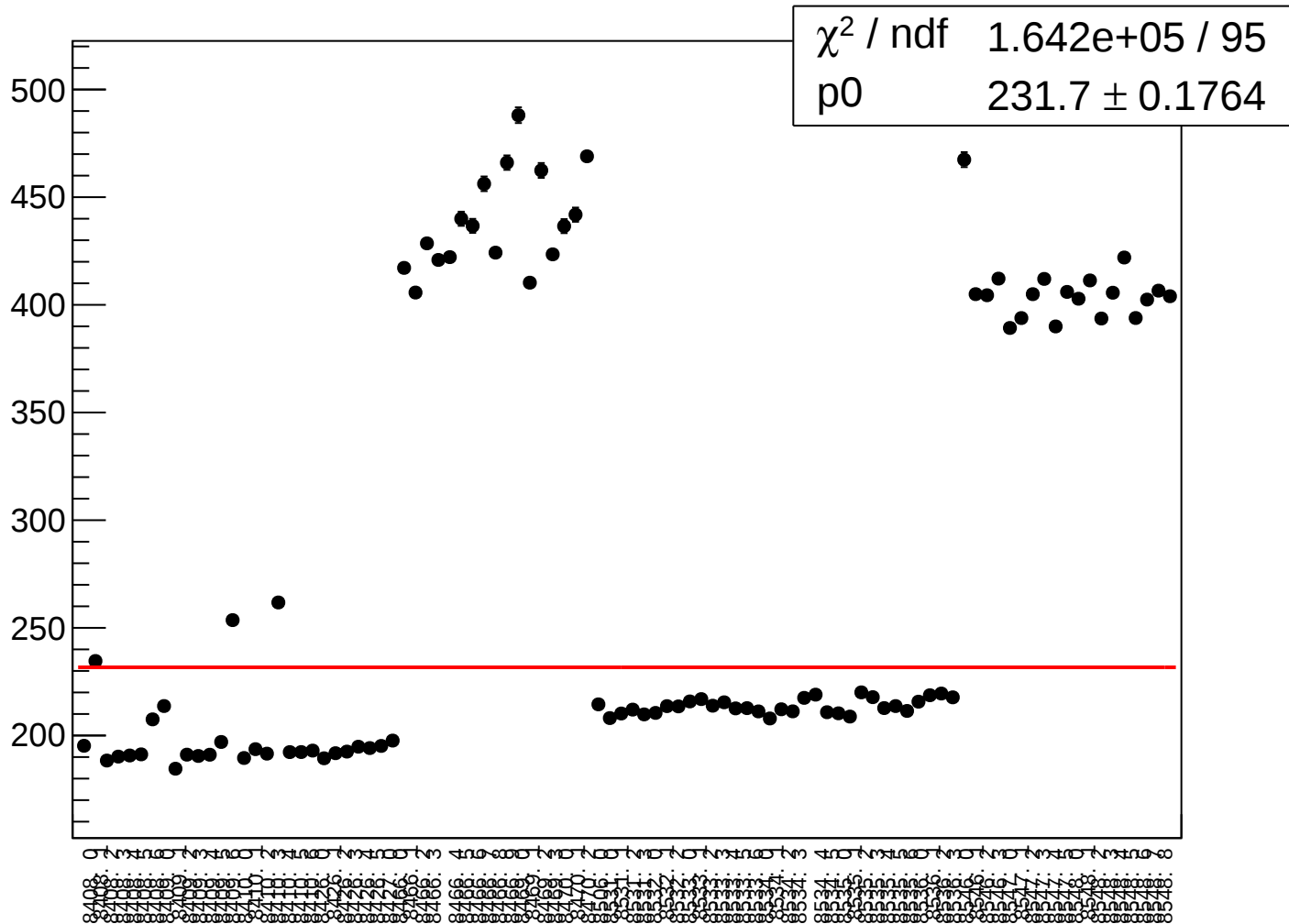
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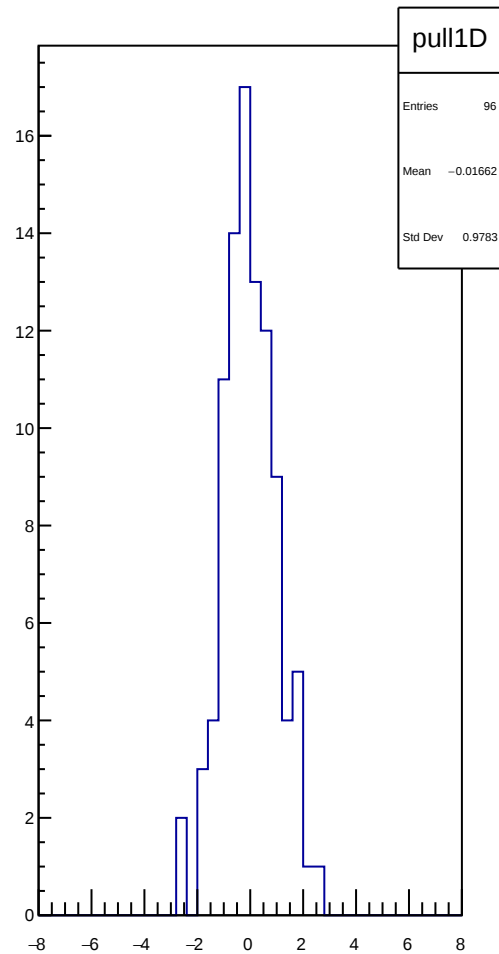
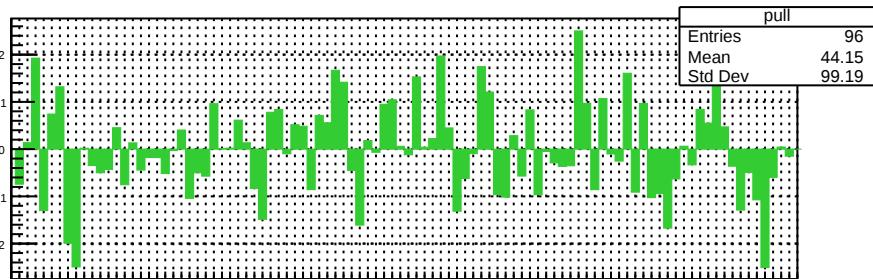
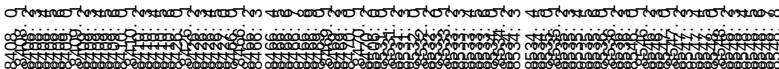
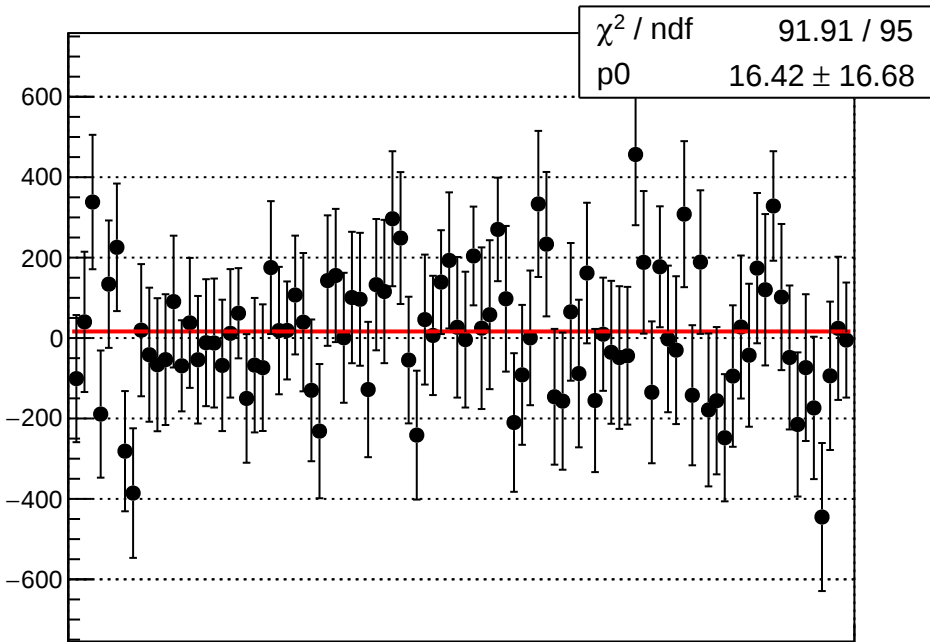
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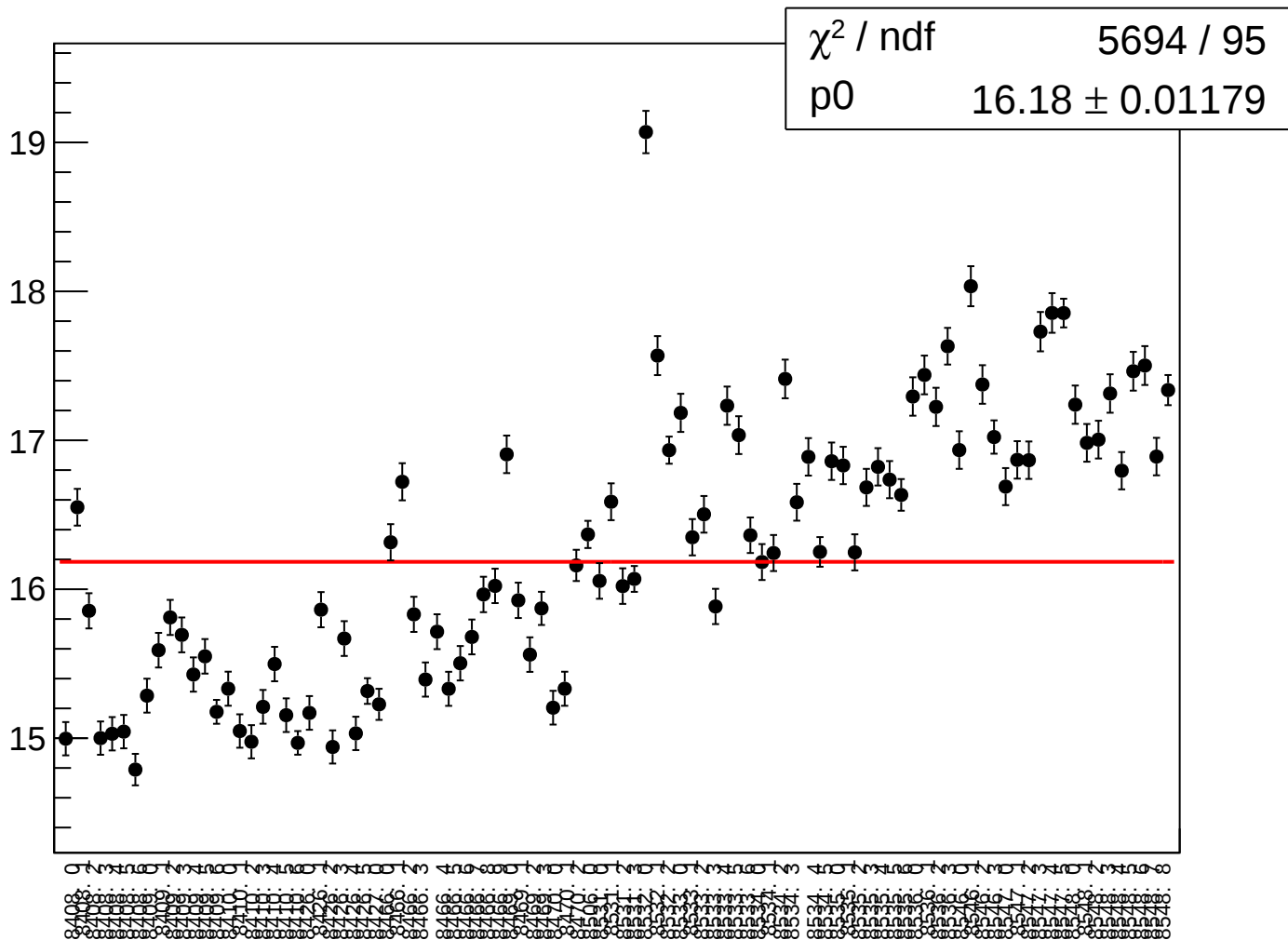
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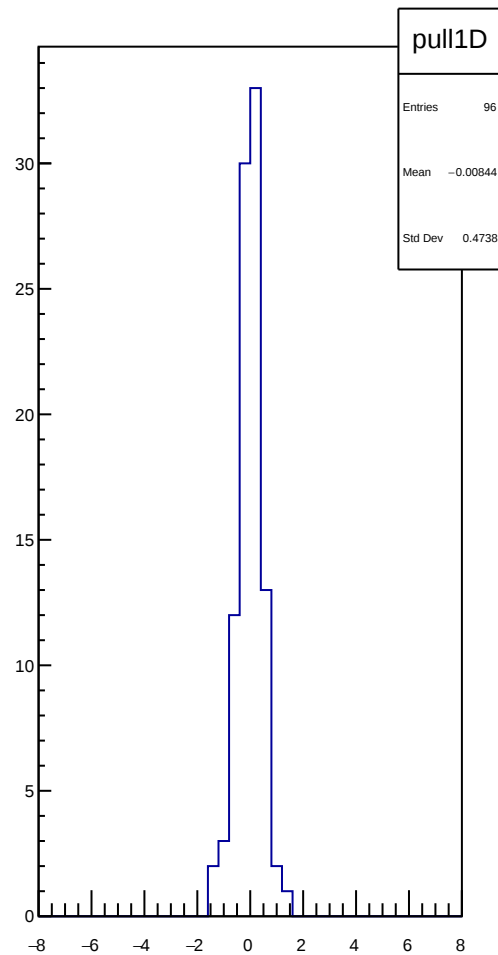
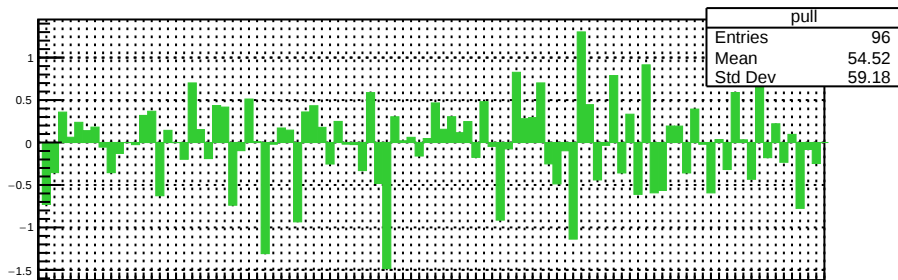
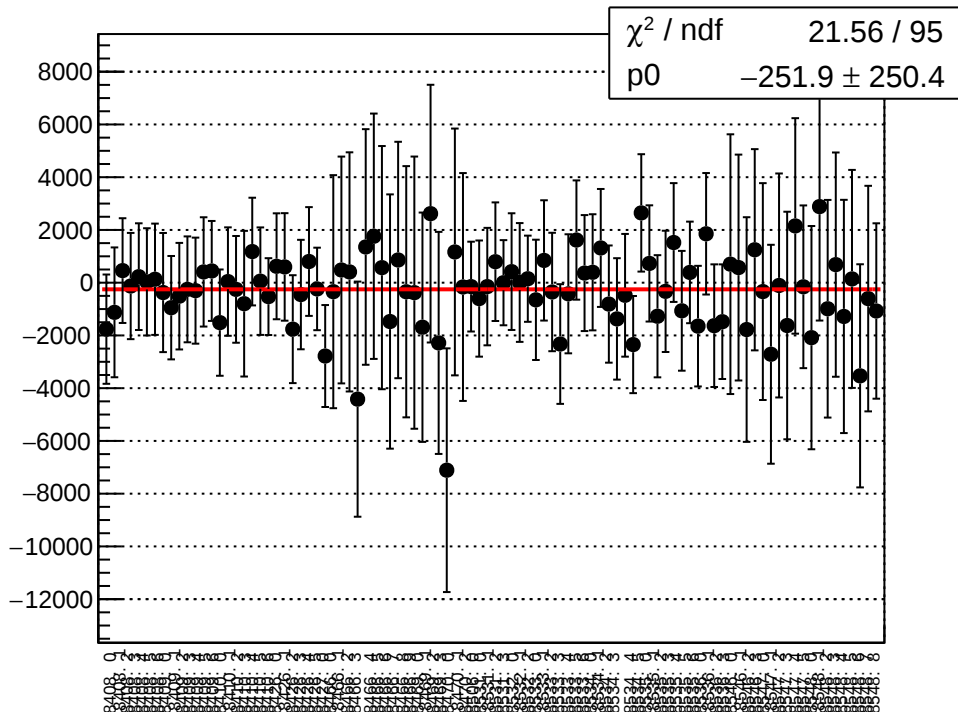
asym bcm dg ds bcm an ds agg dd mean vs run



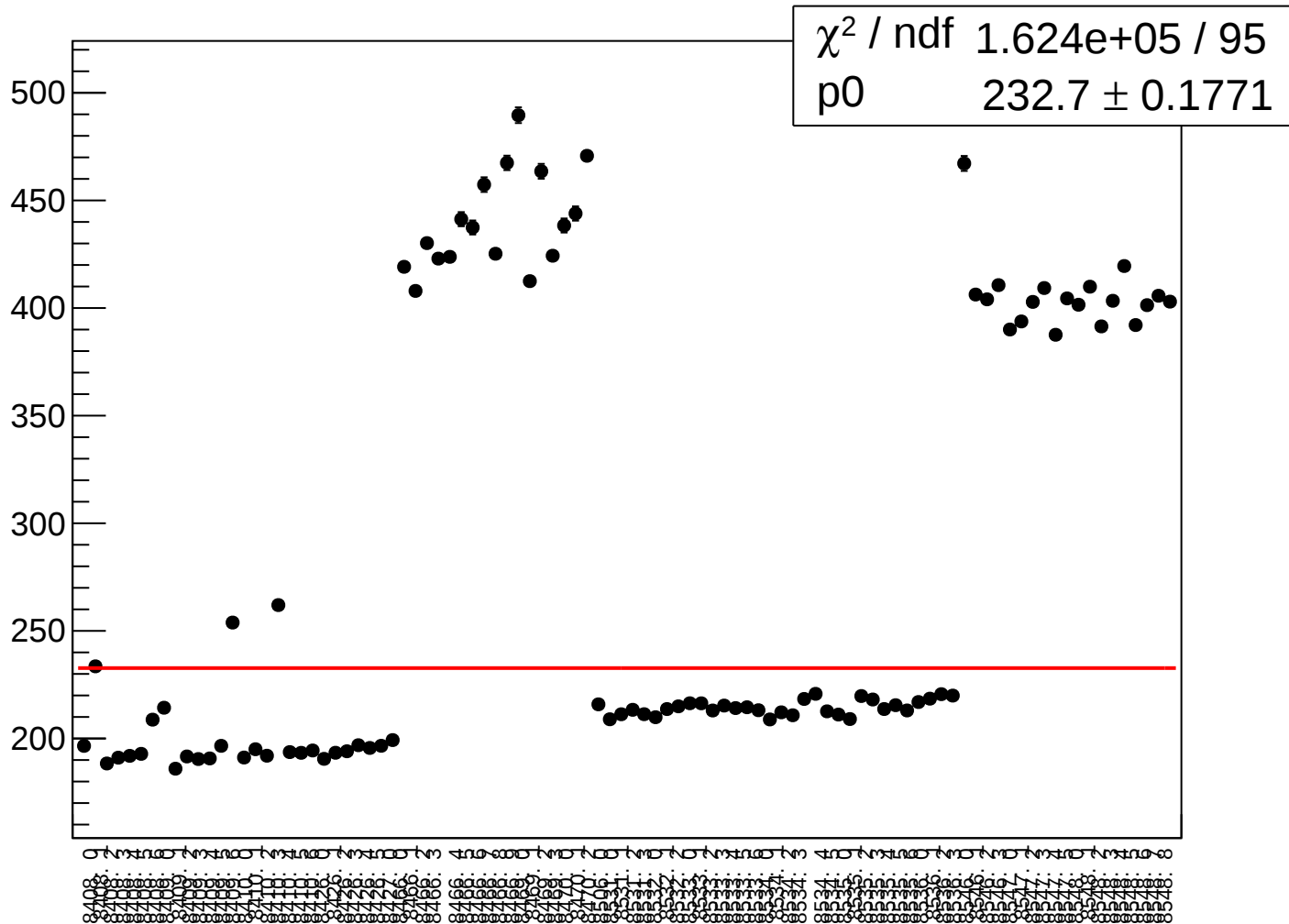
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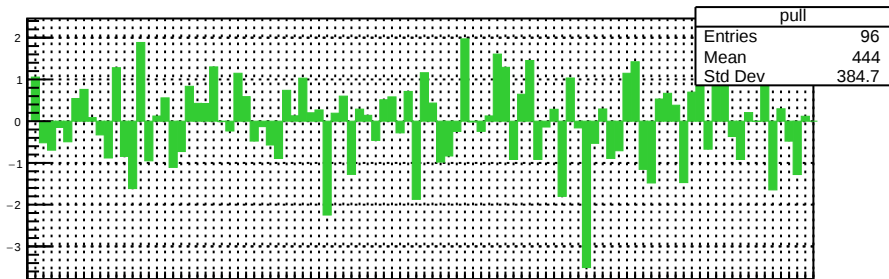
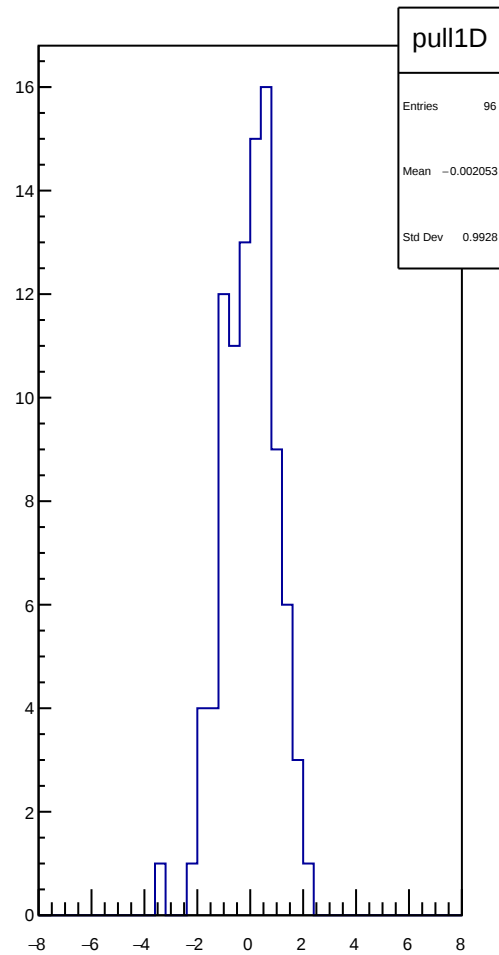
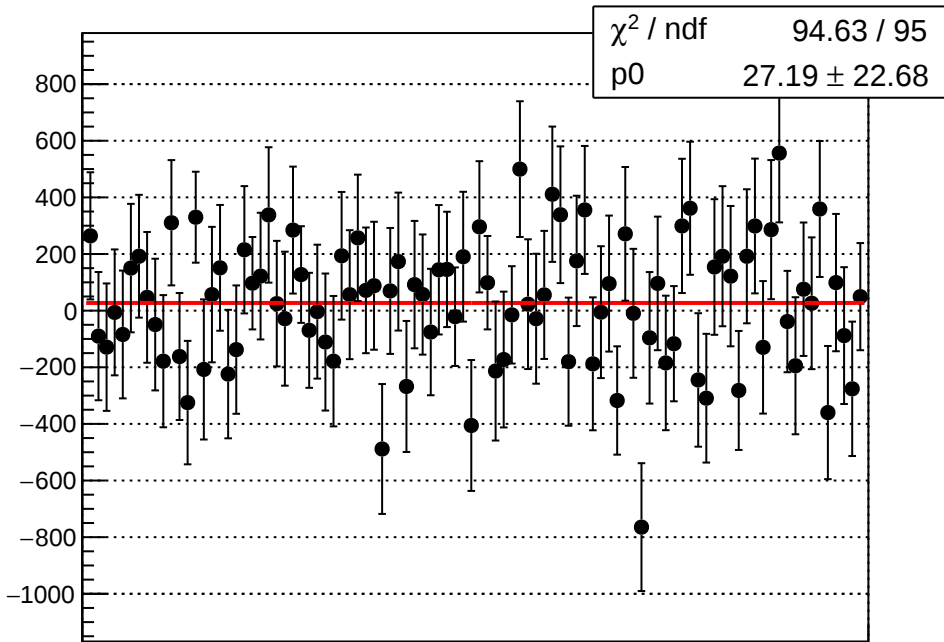
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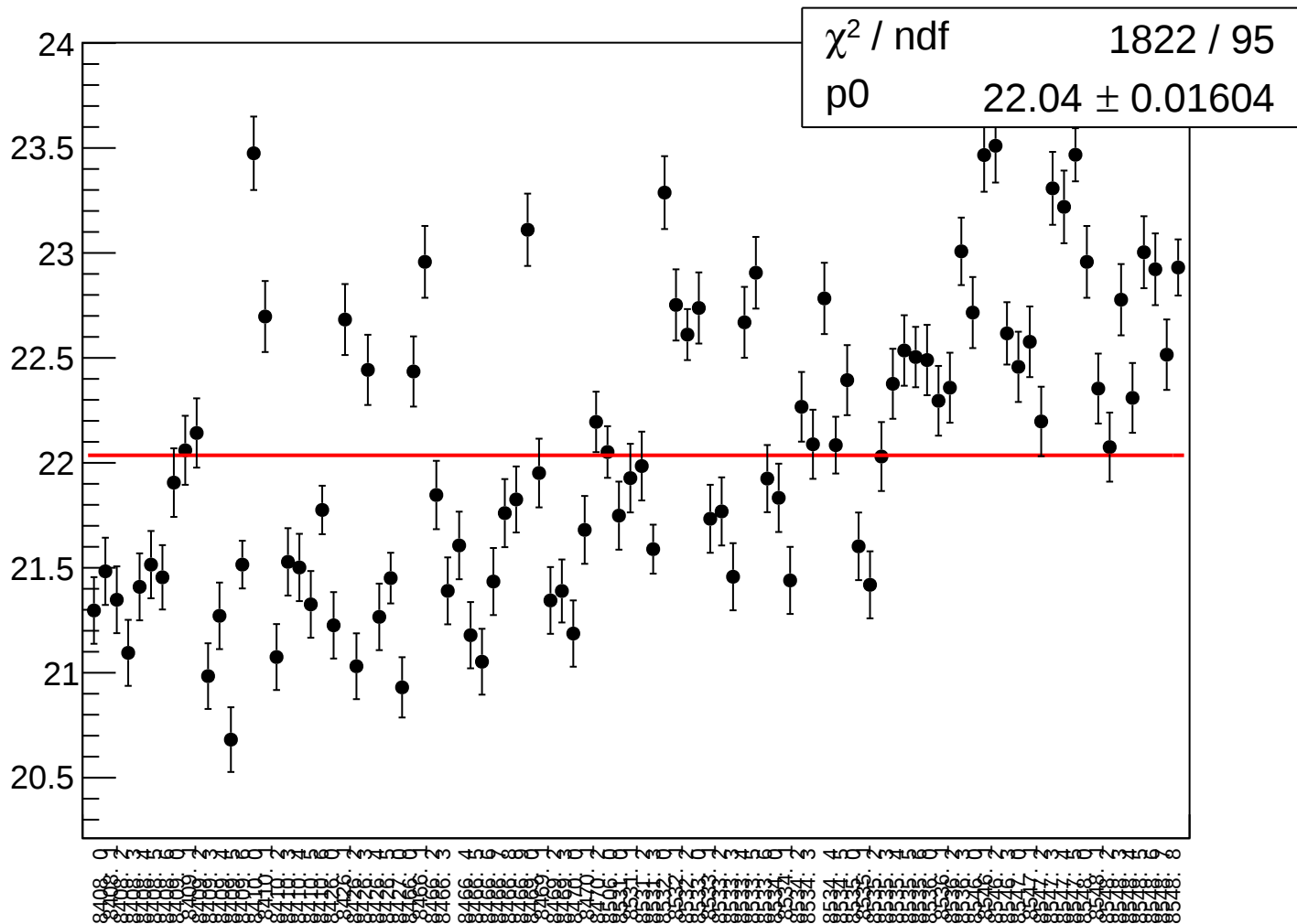
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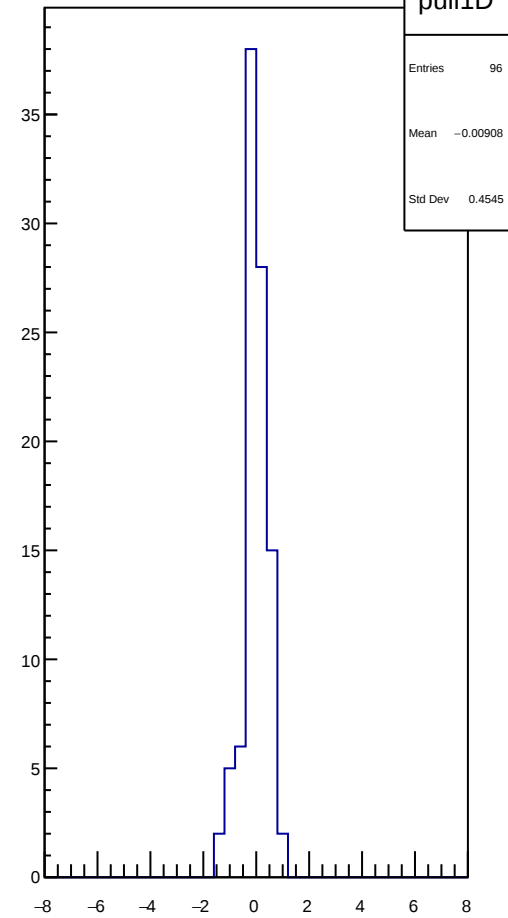


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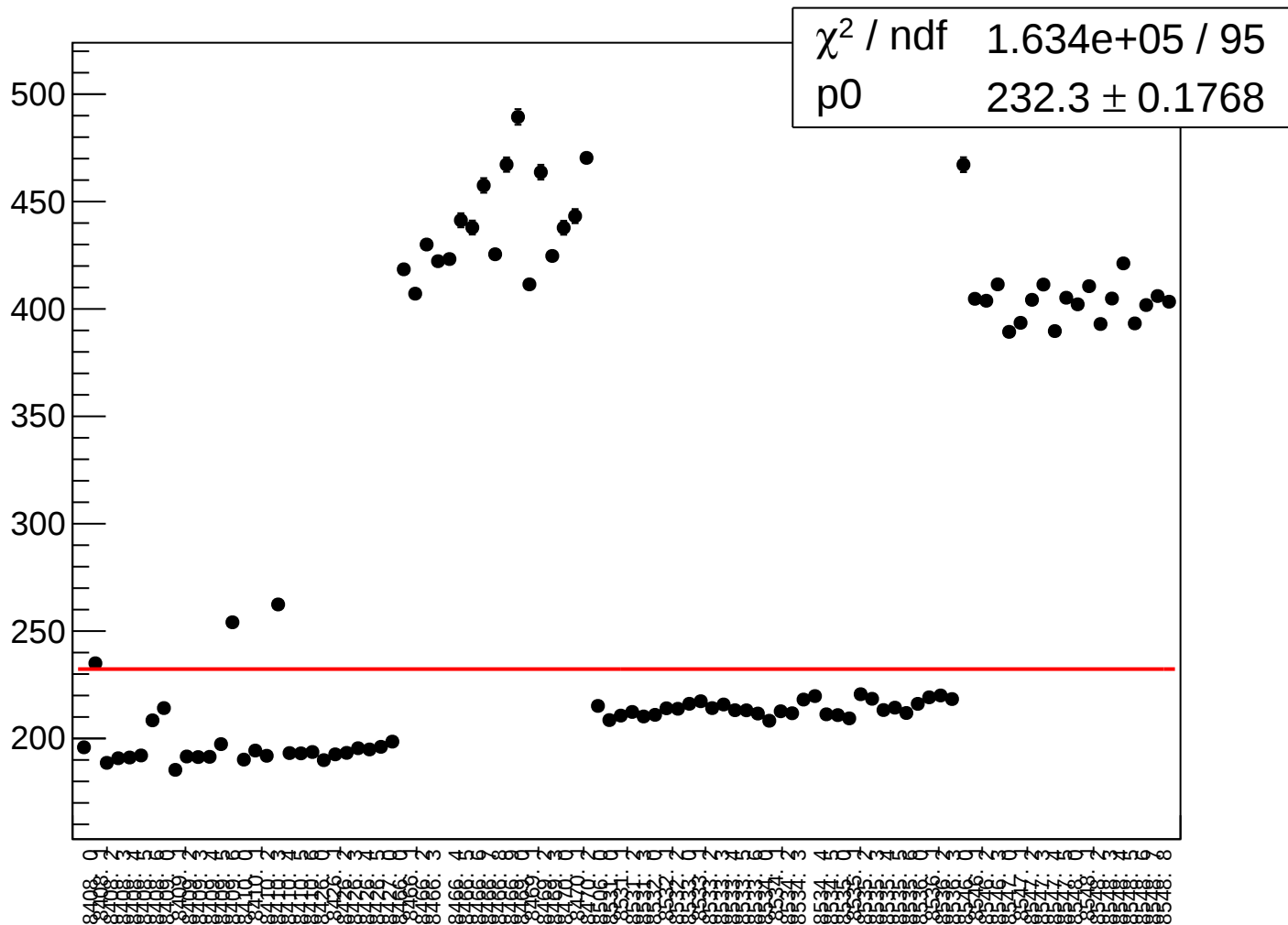


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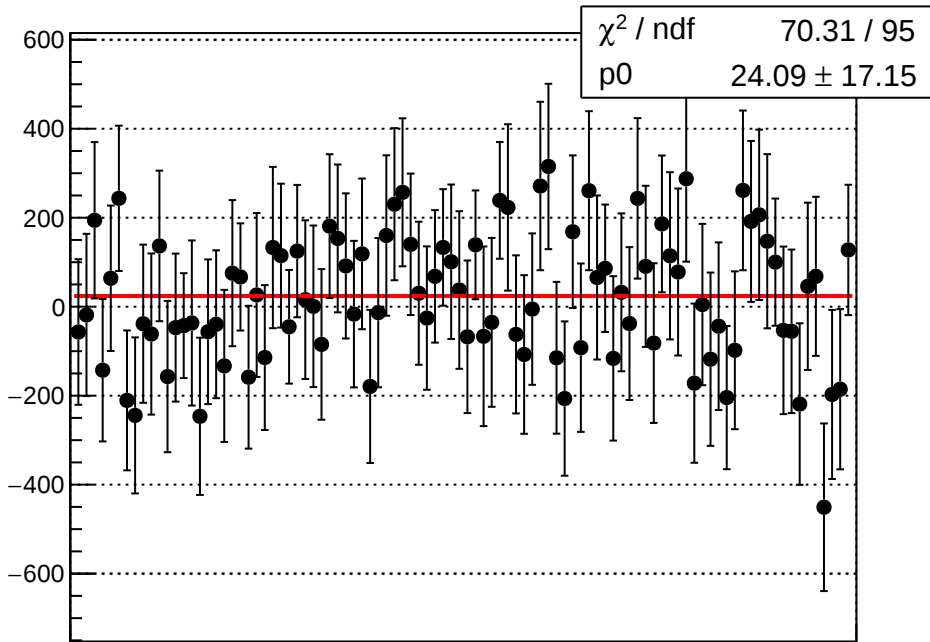


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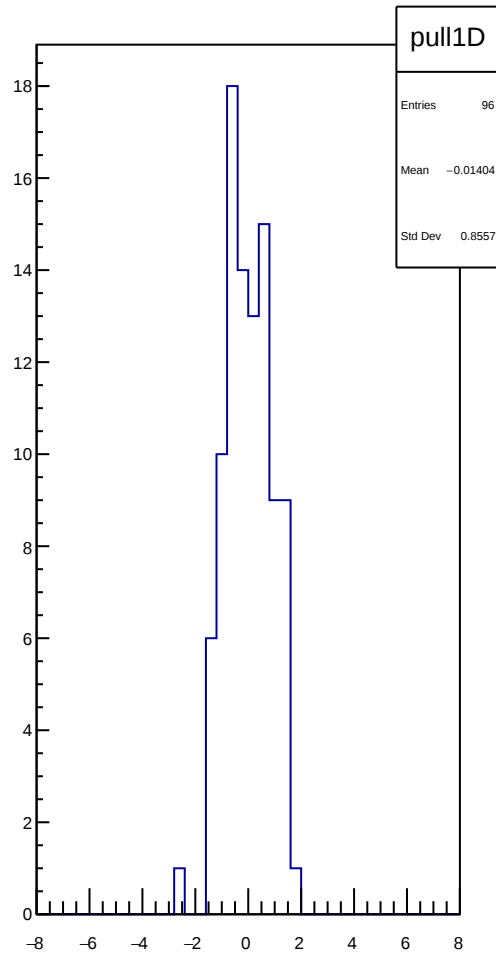
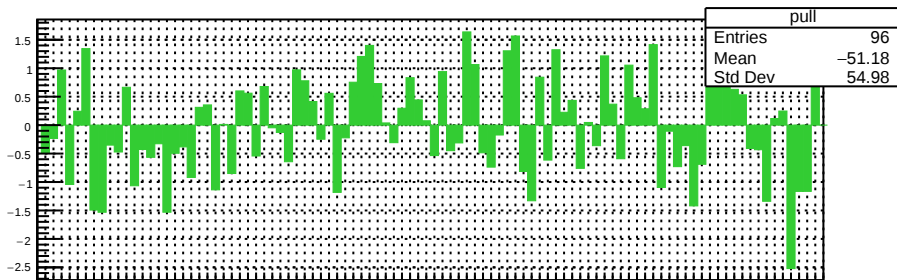
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asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run



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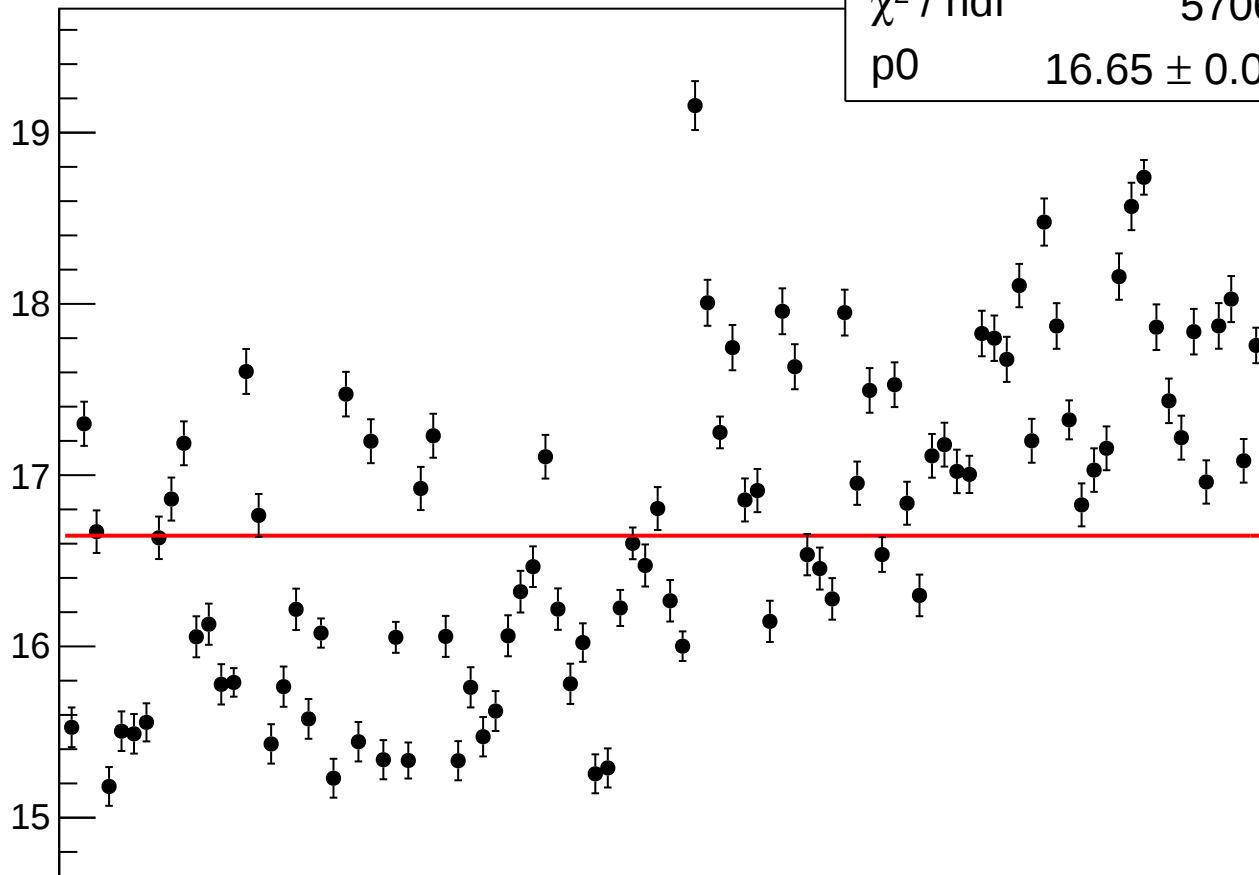
asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run

χ^2 / ndf

5706 / 95

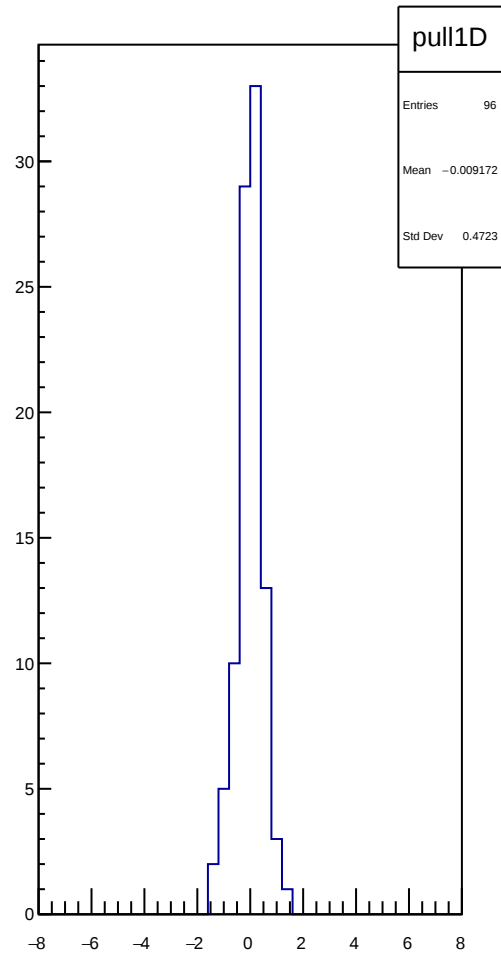
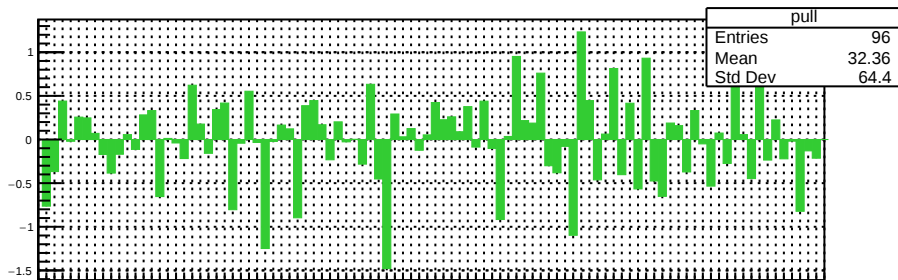
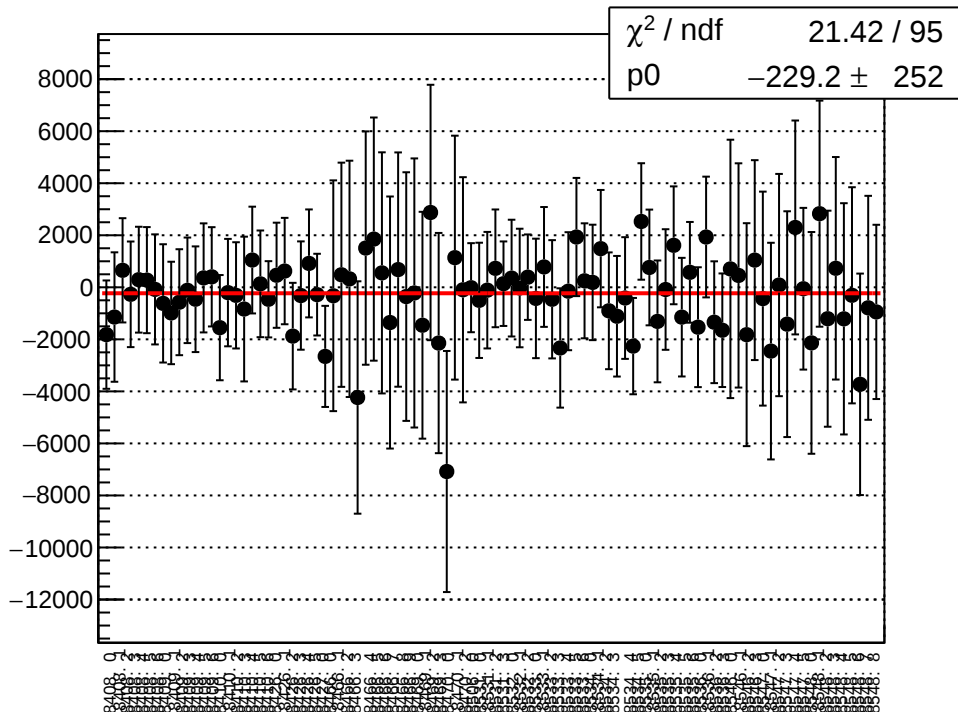
p0

16.65 ± 0.01213

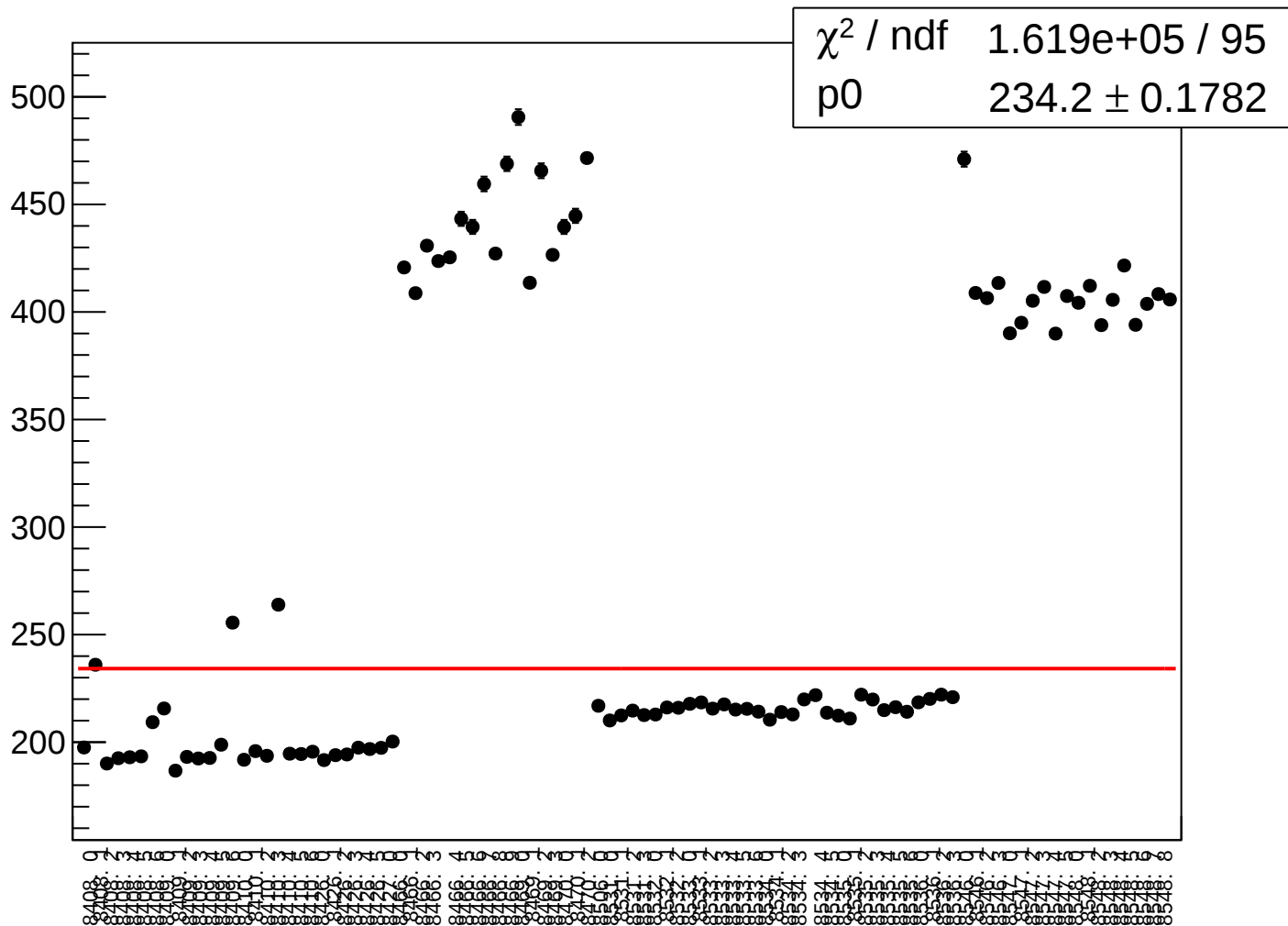


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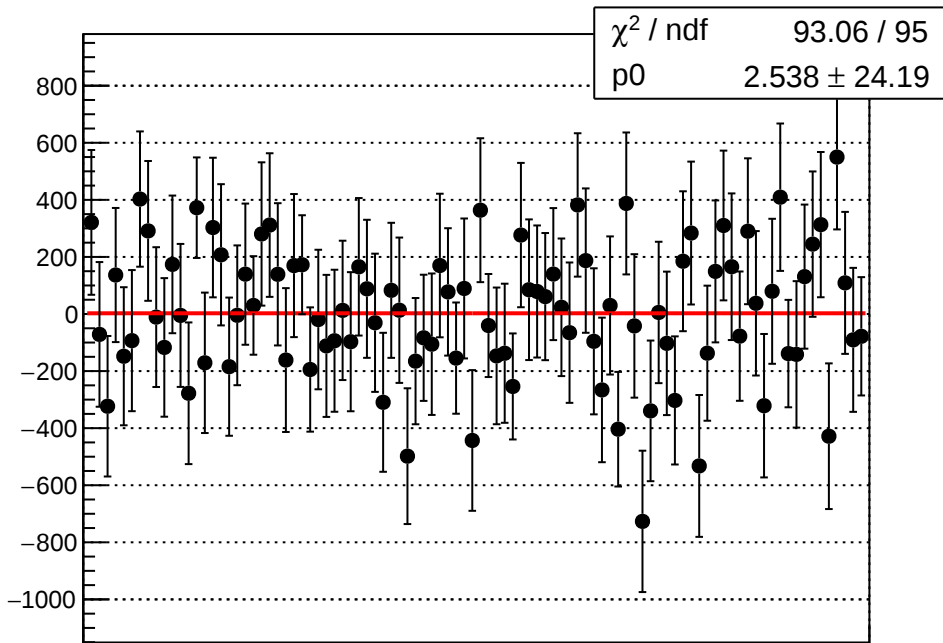
asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run



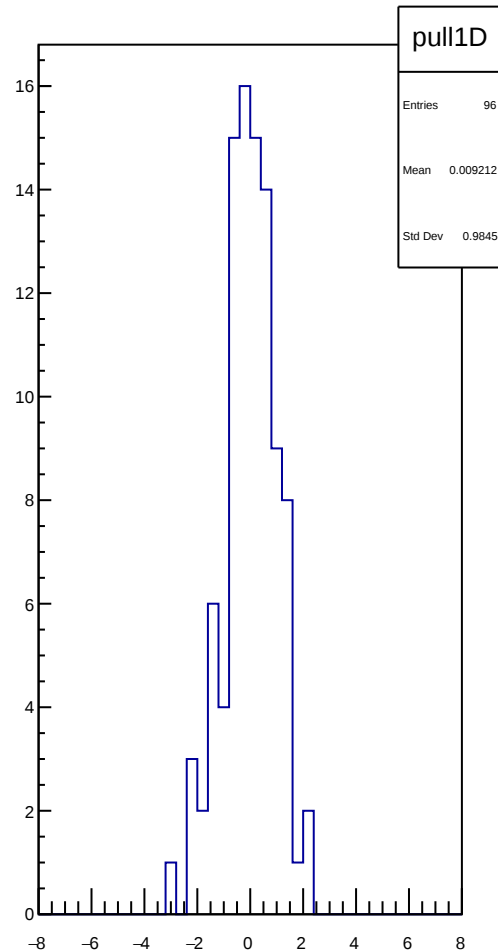
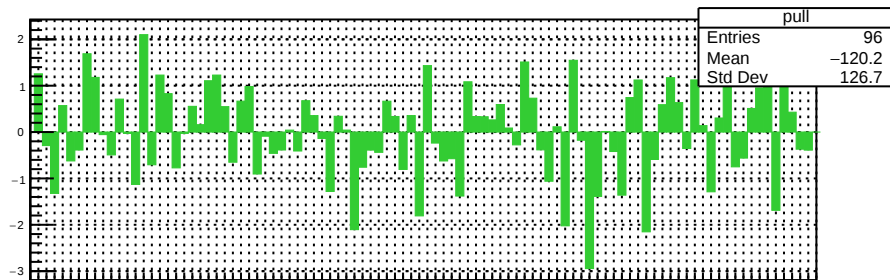
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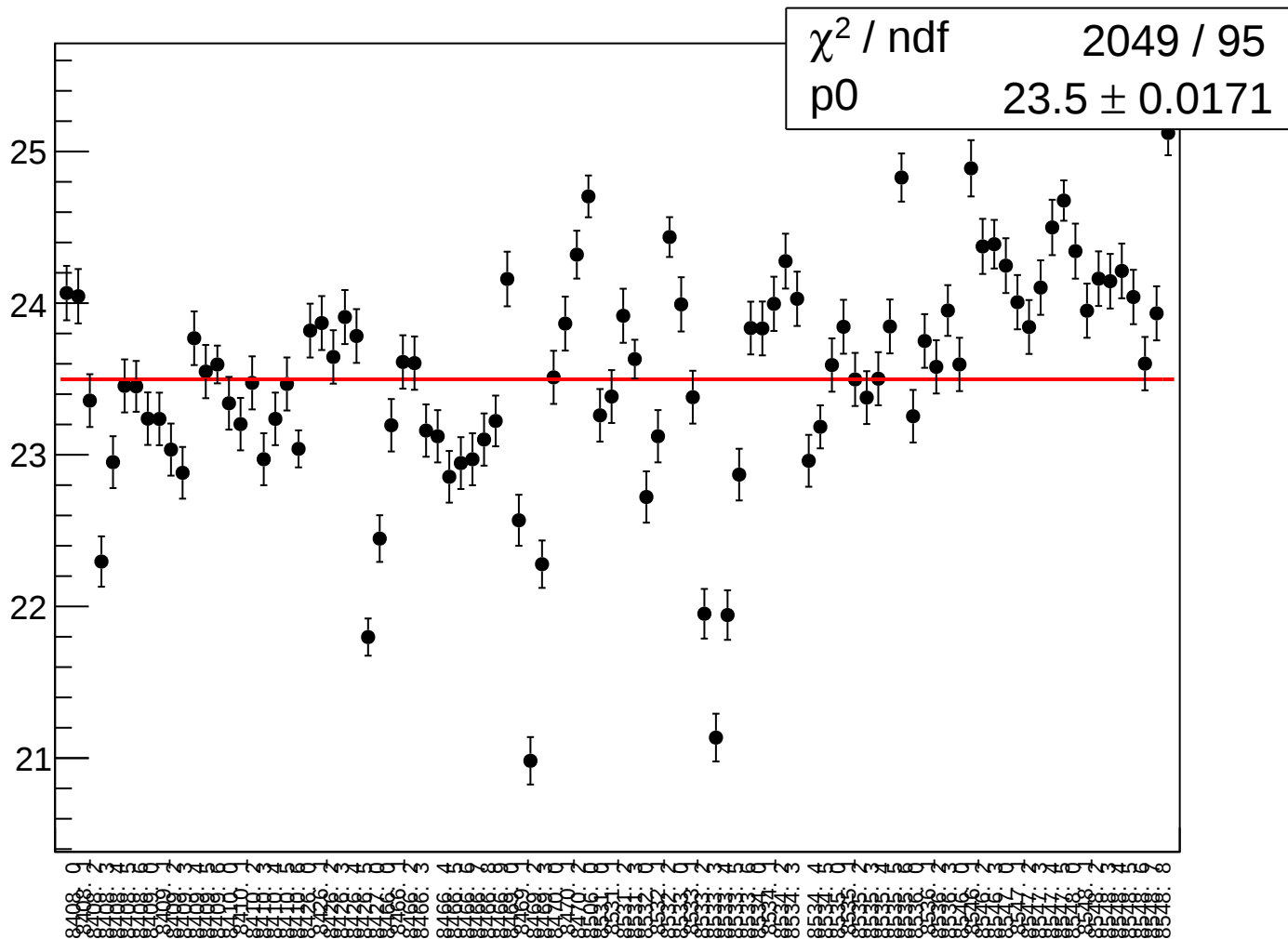
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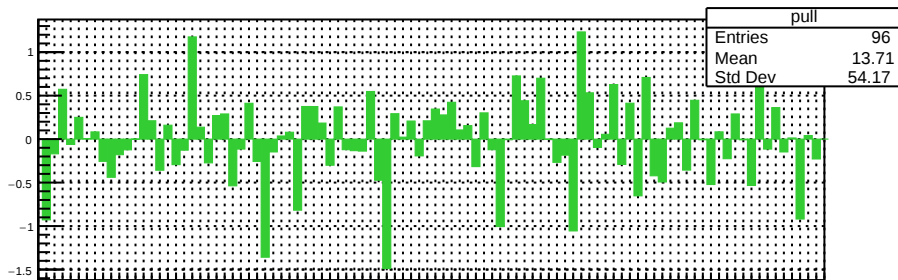
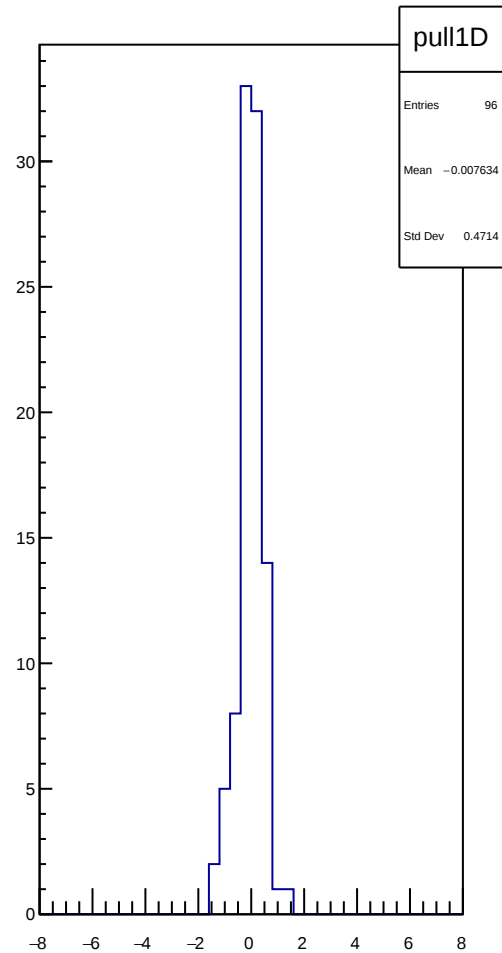
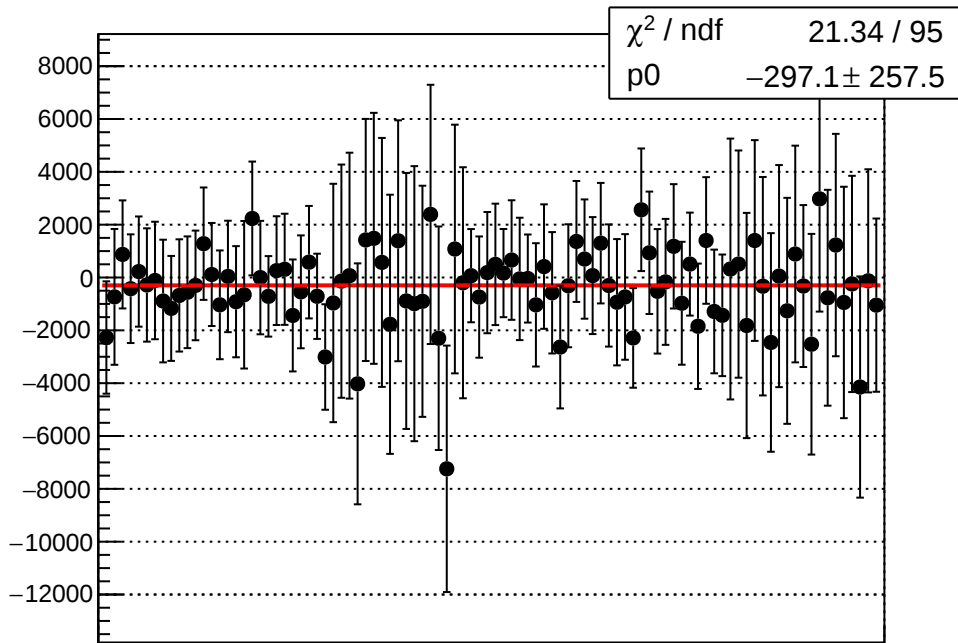
Correlation Coefficient: 0.009212
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 Mean: -120.2
 Std Dev: 126.7



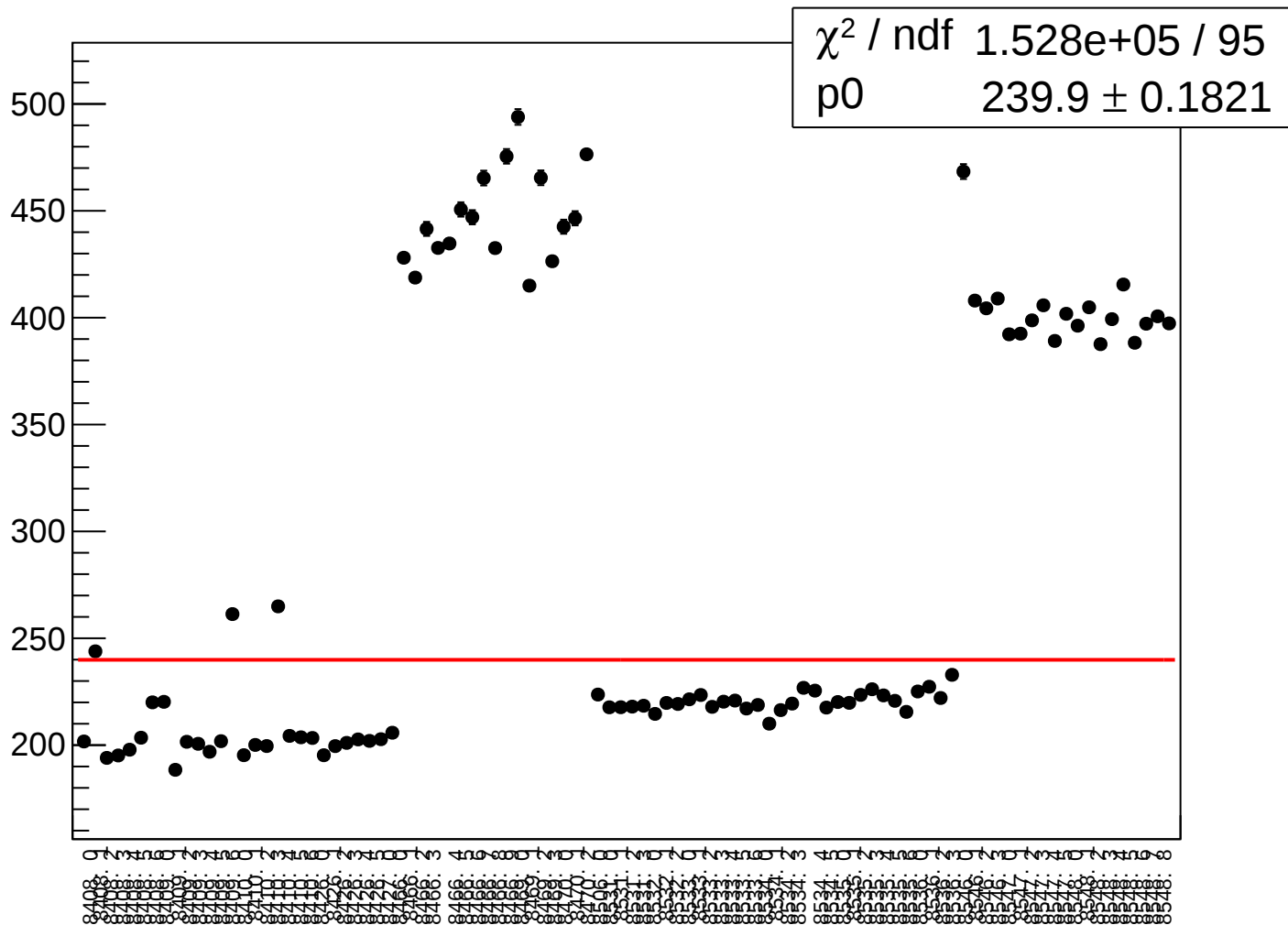
asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run



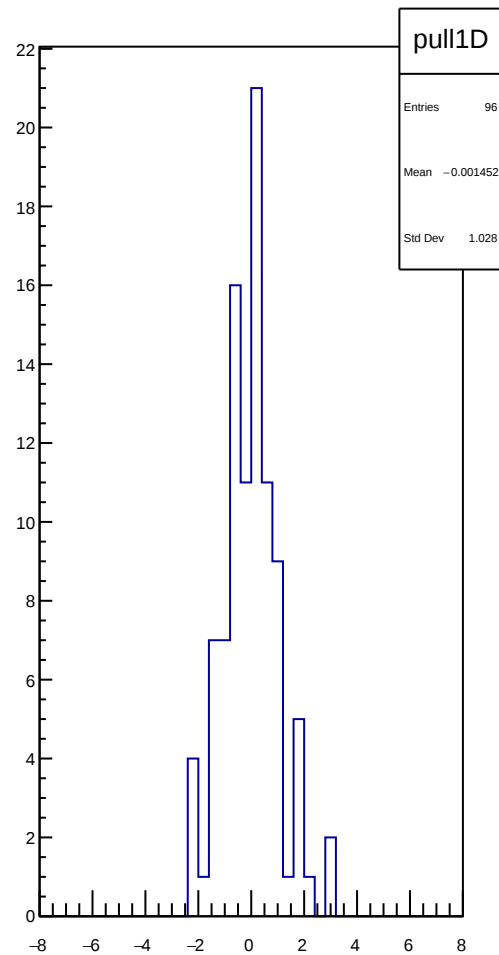
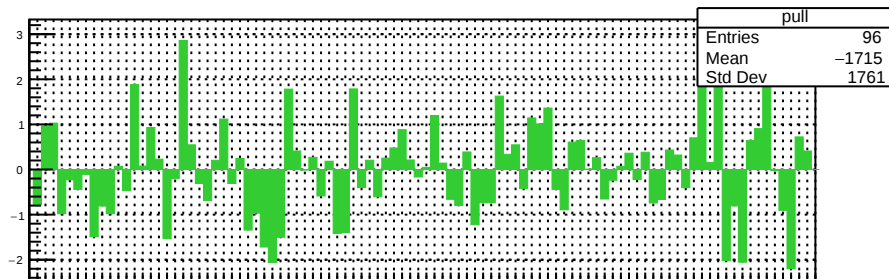
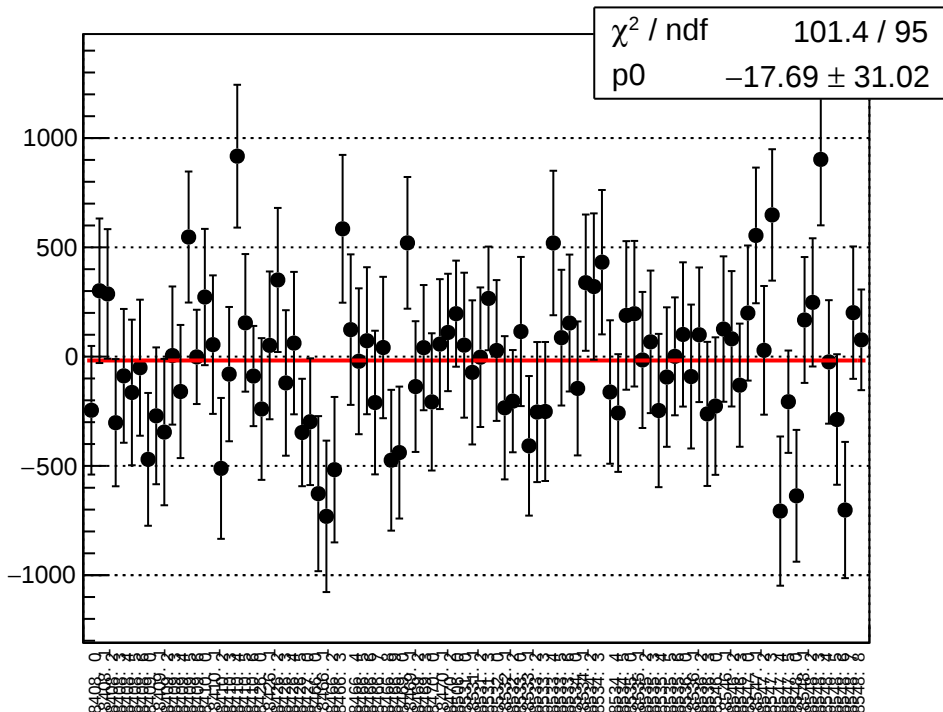
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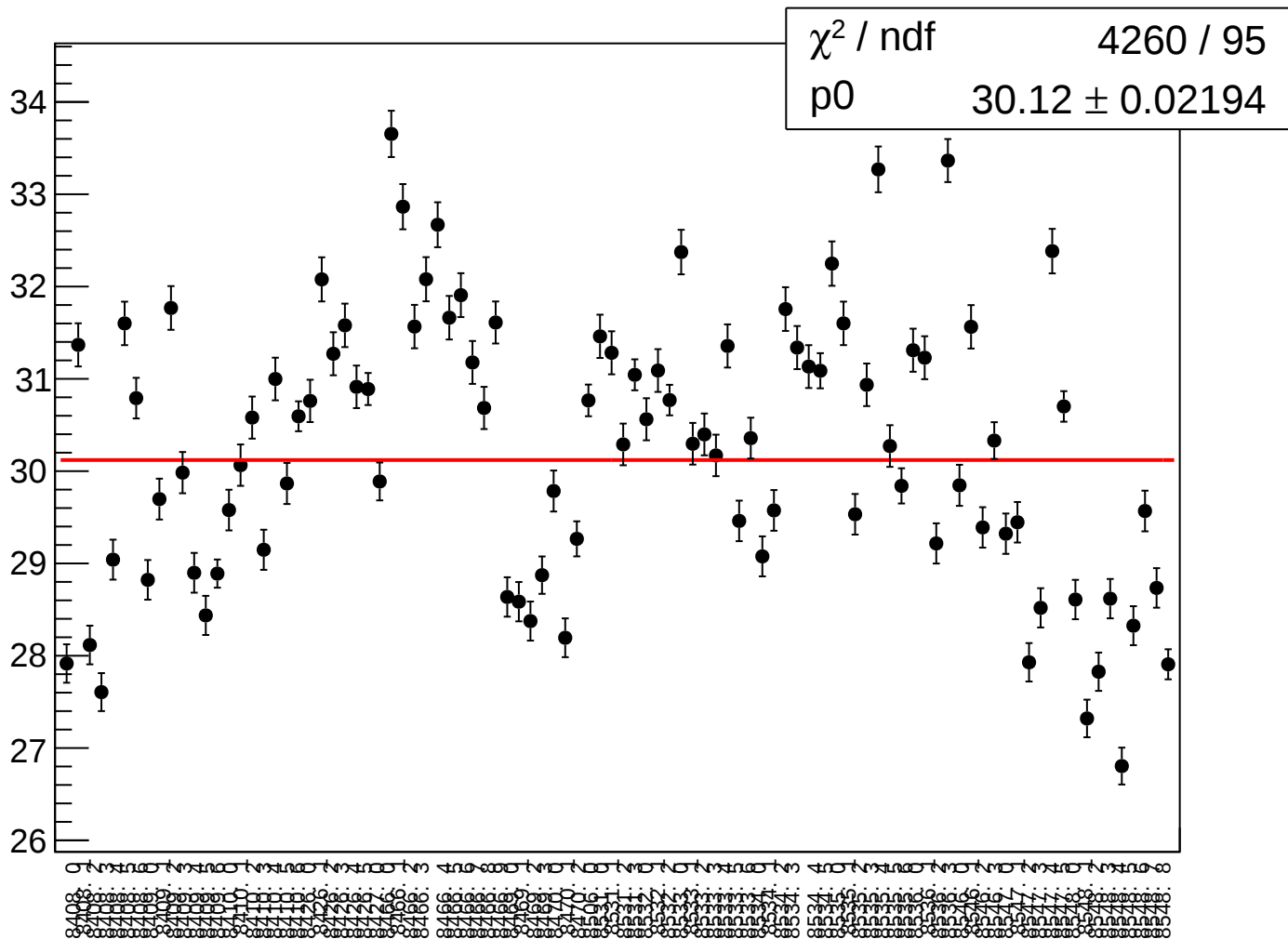
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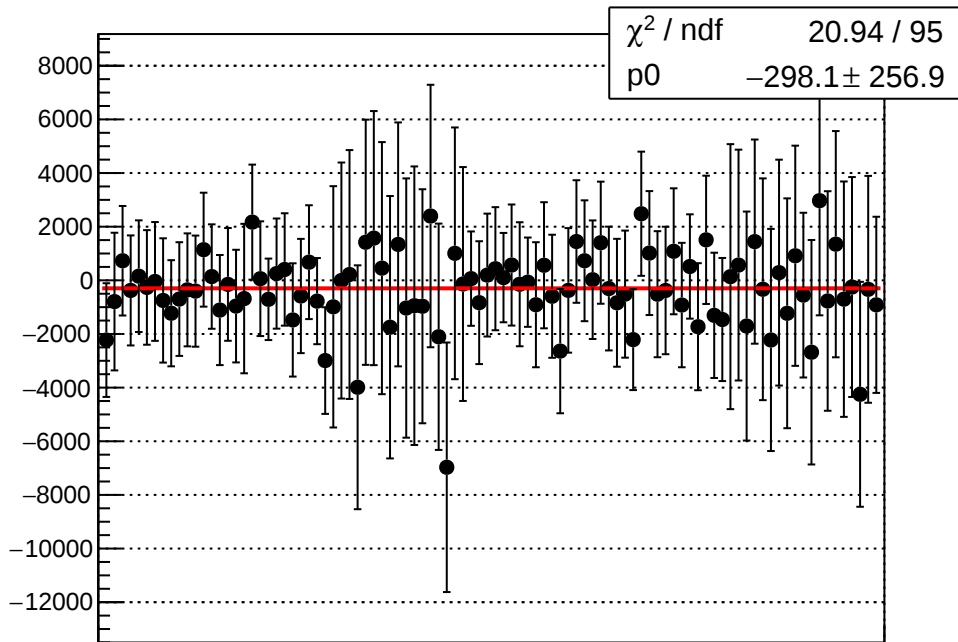
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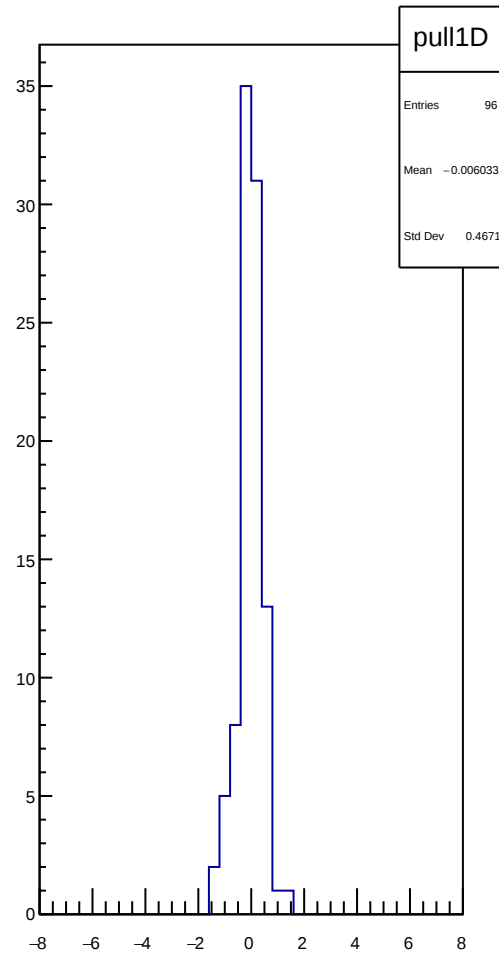
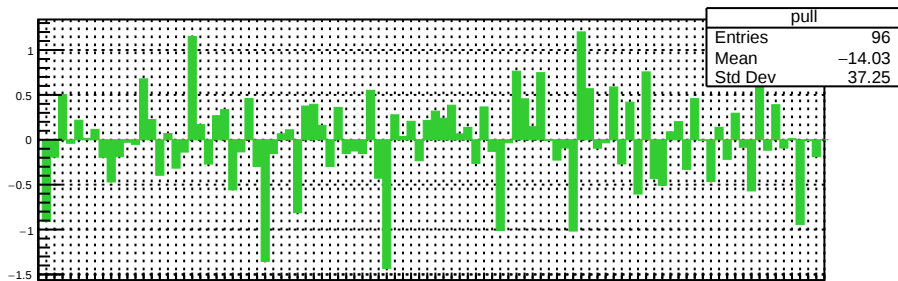
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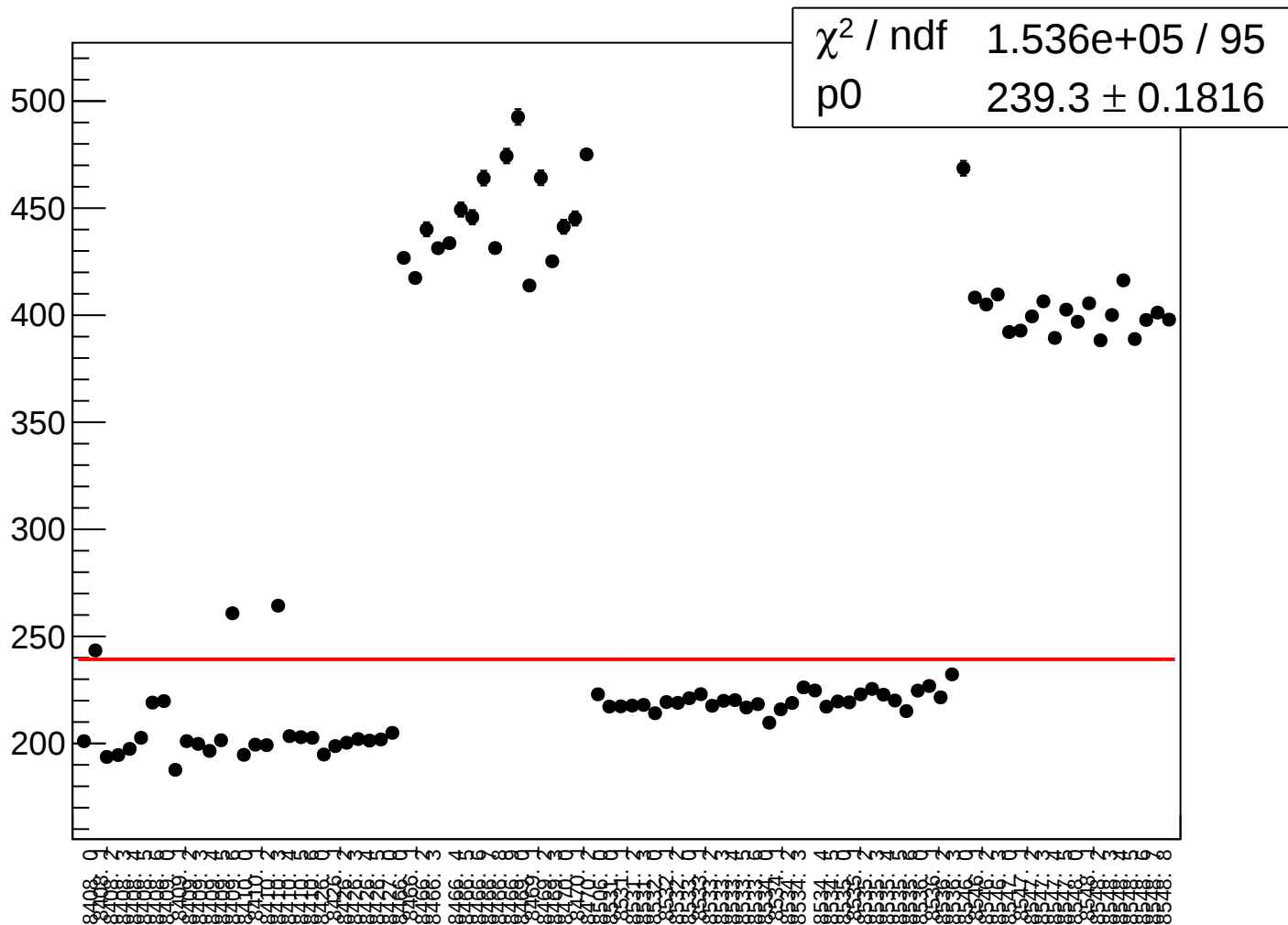
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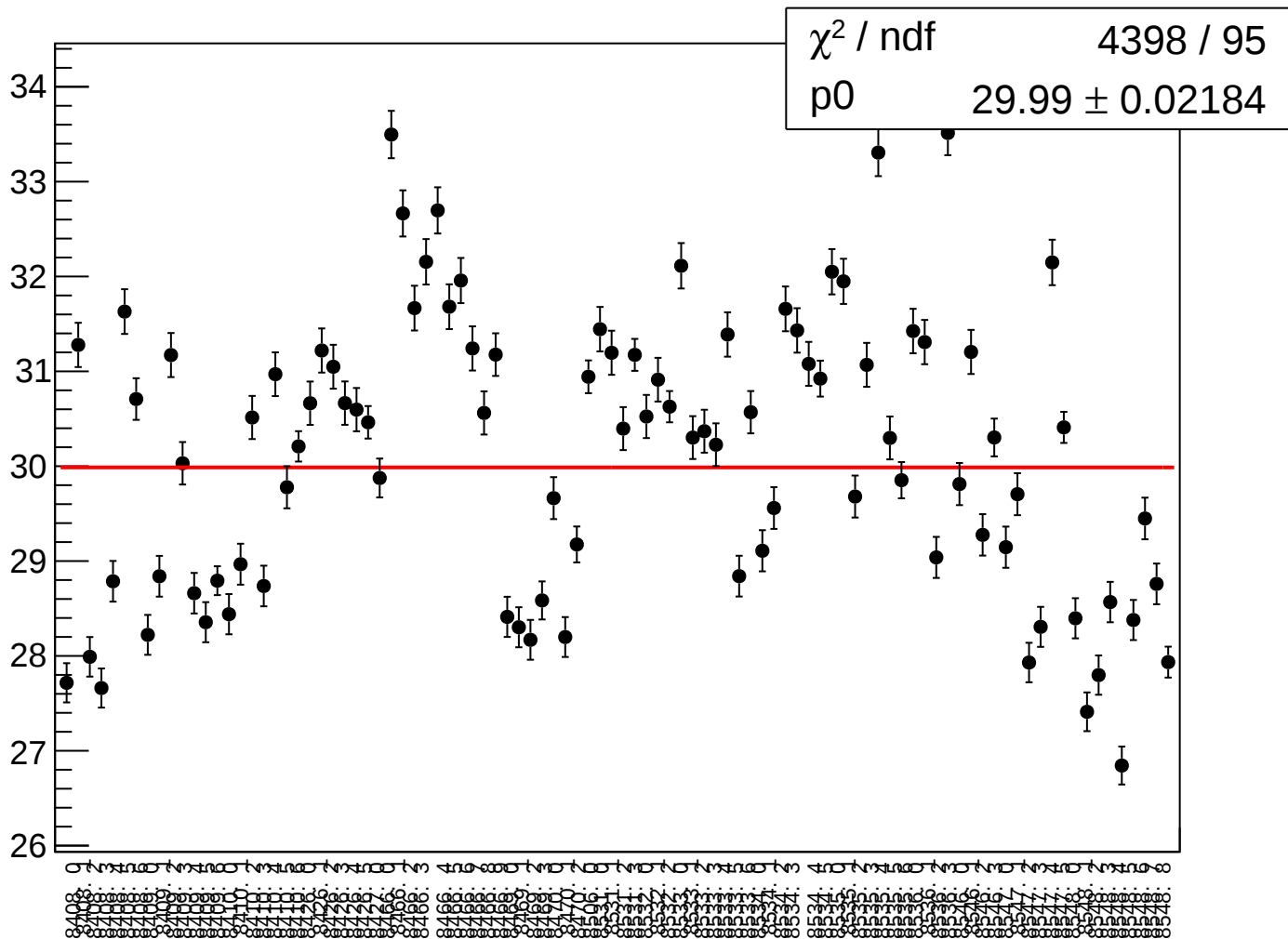
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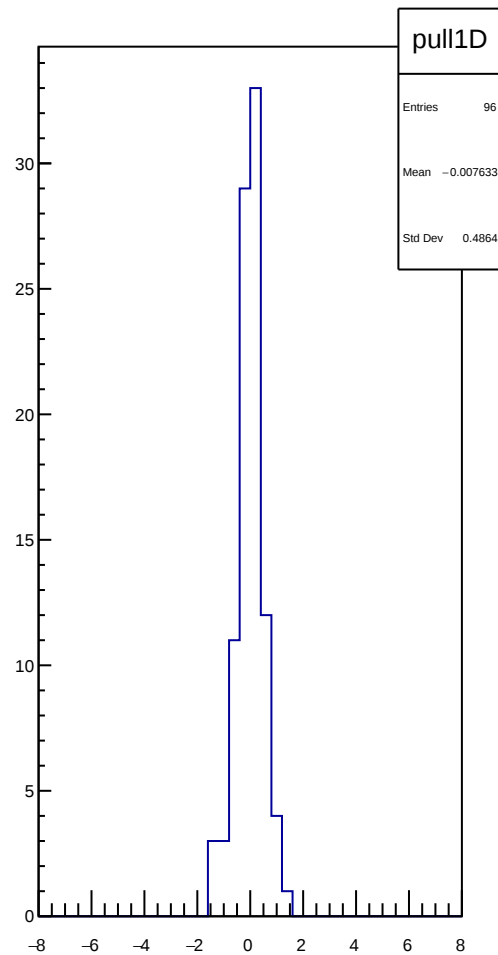
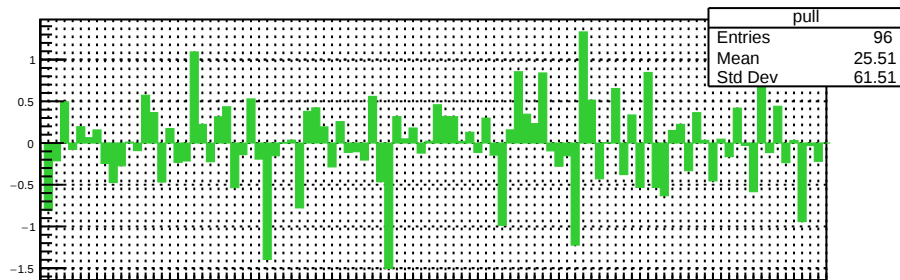
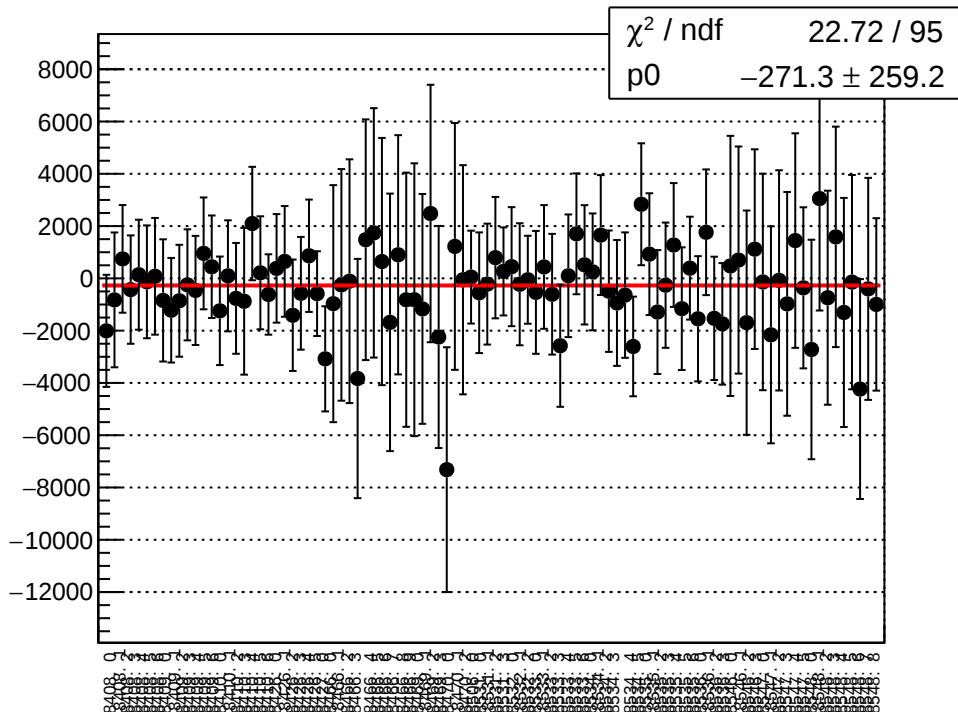
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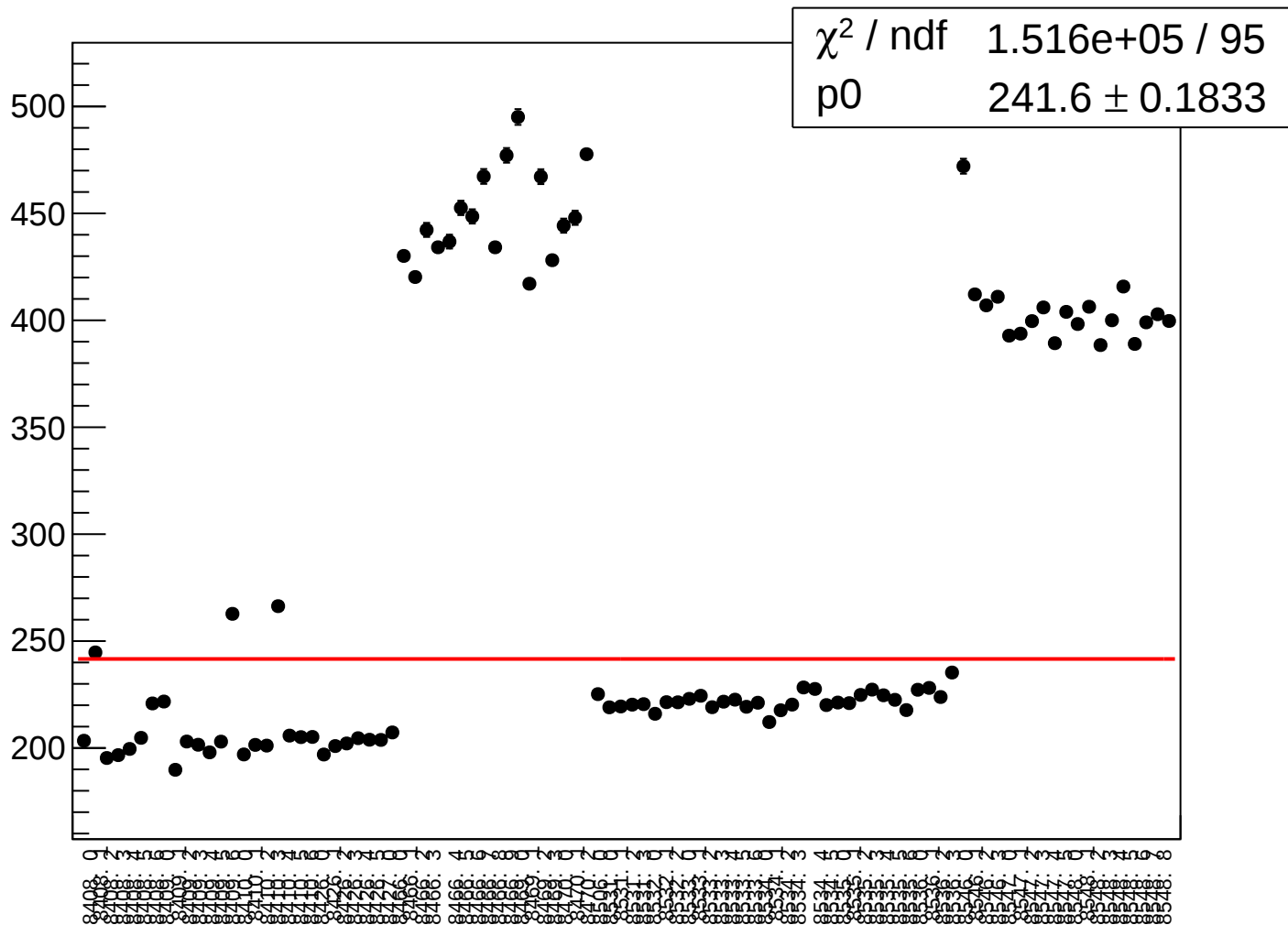
asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run



asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run



asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run



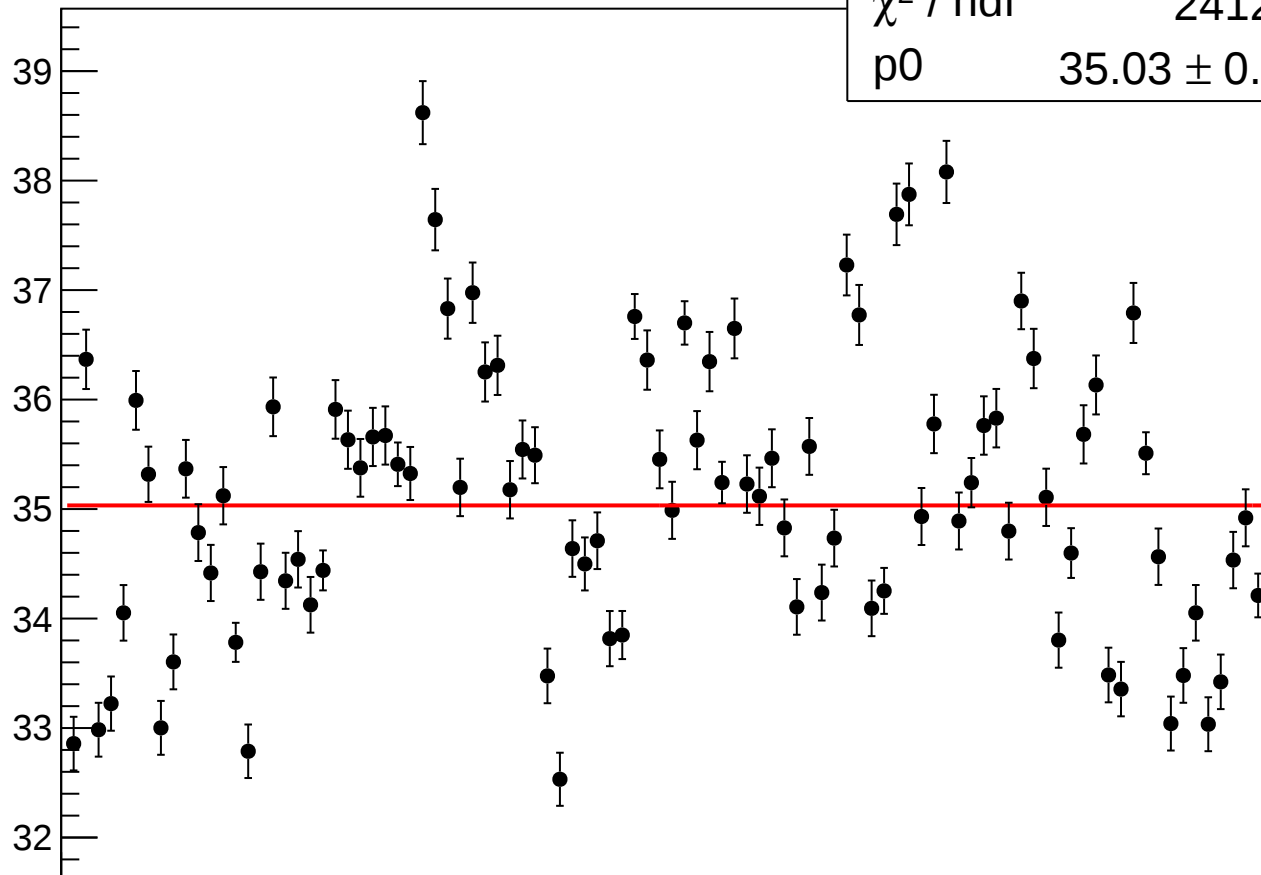
asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run

χ^2 / ndf

2412 / 95

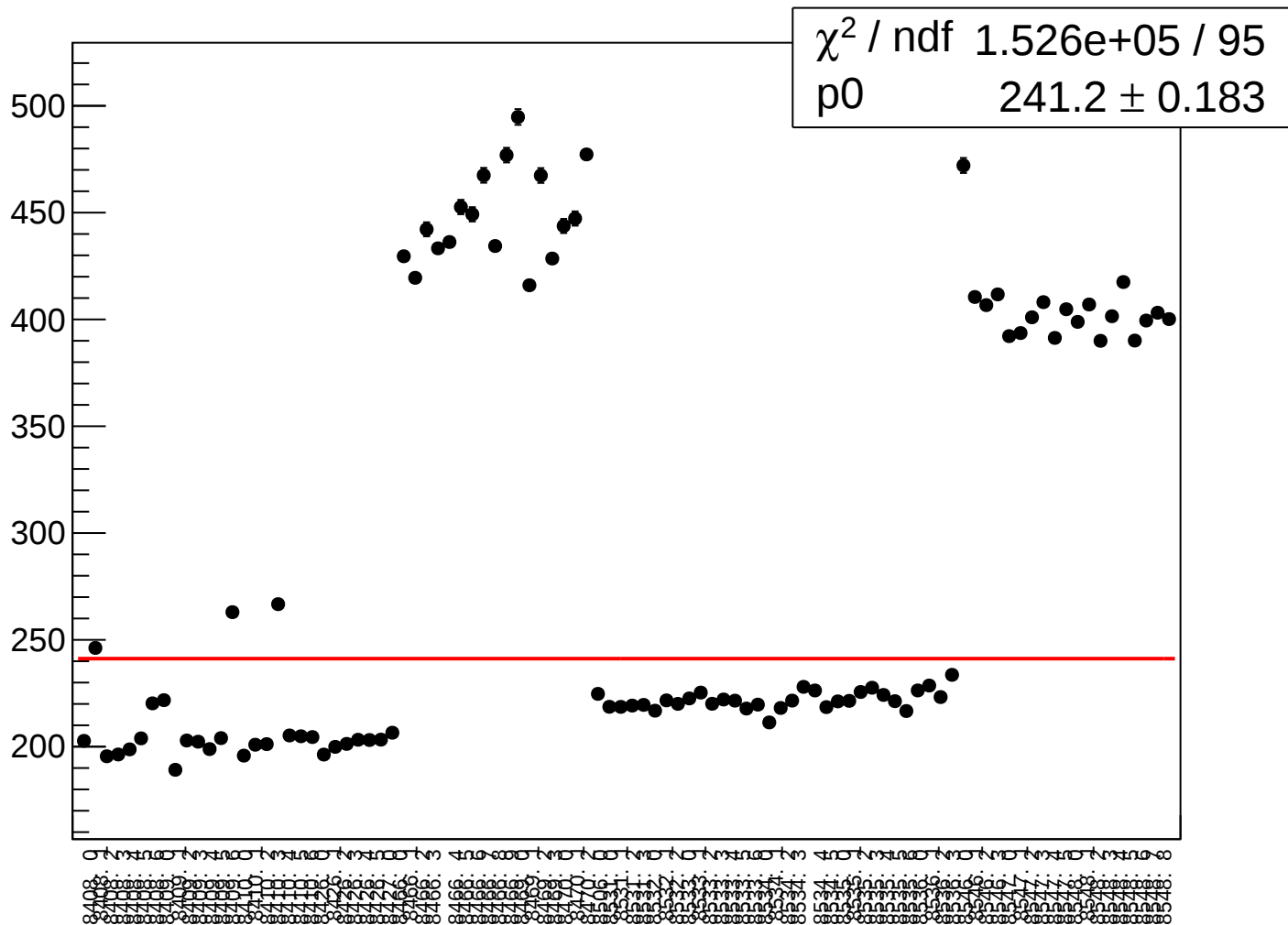
p0

35.03 ± 0.0255

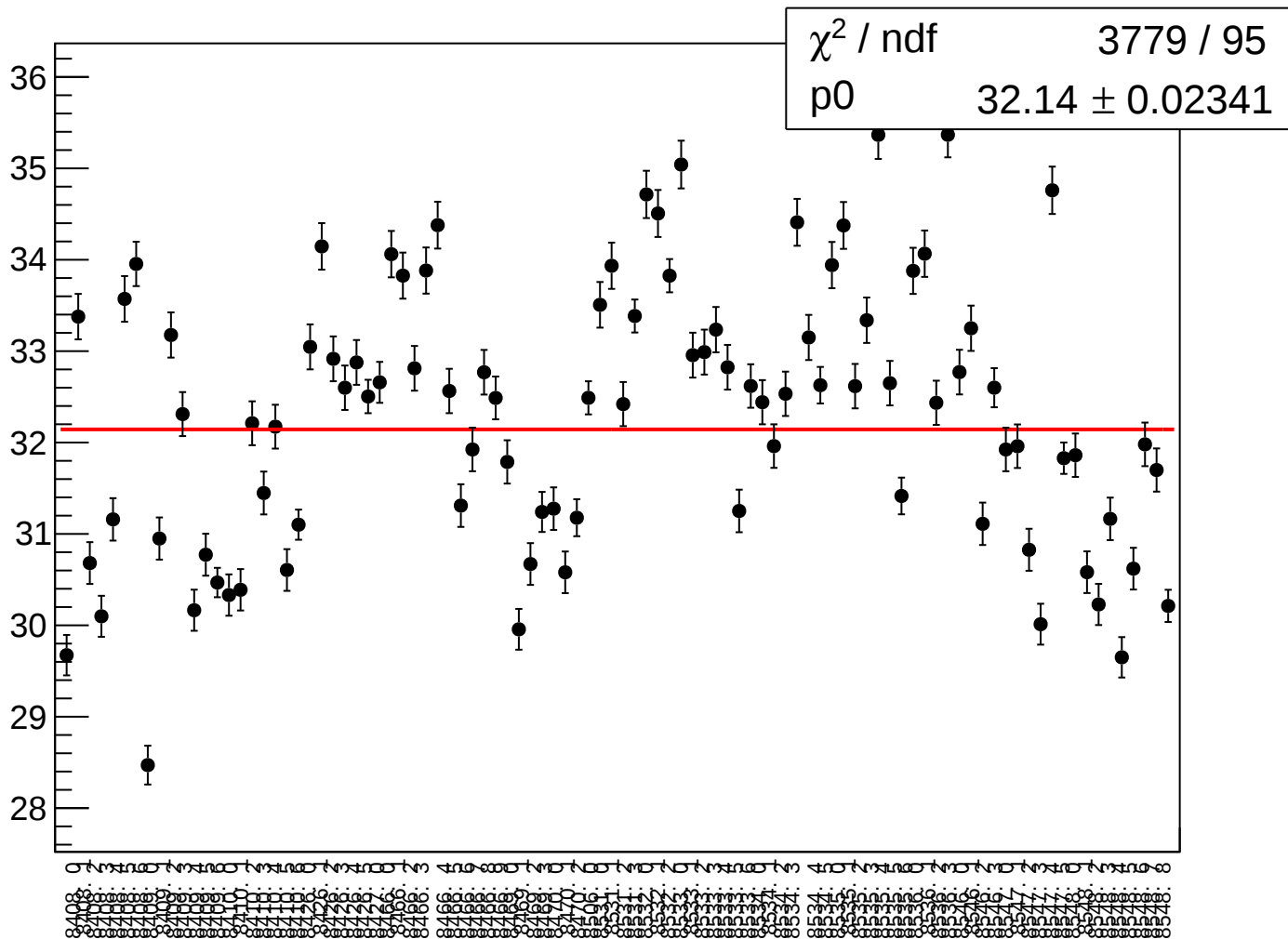


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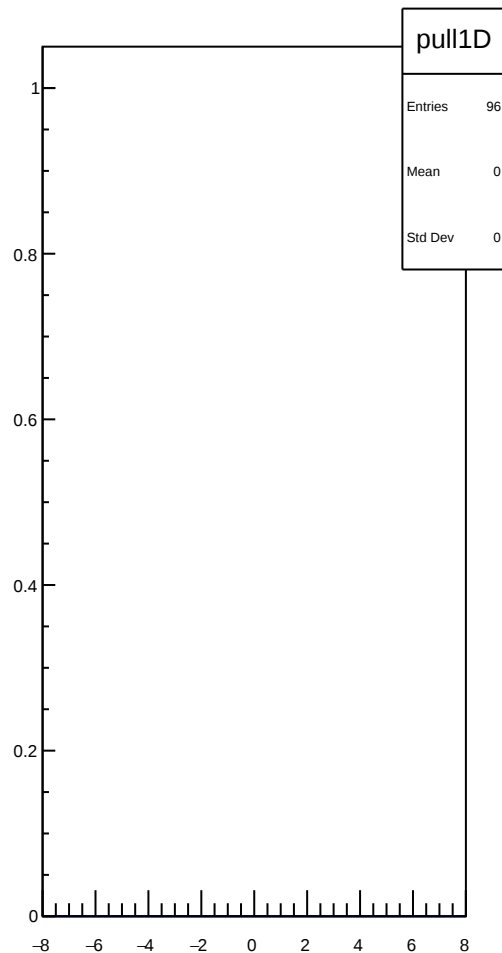
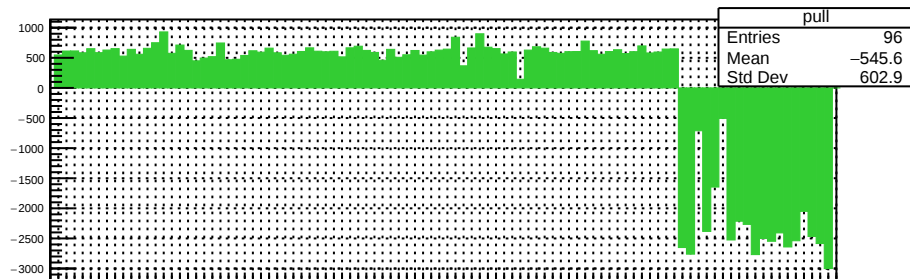
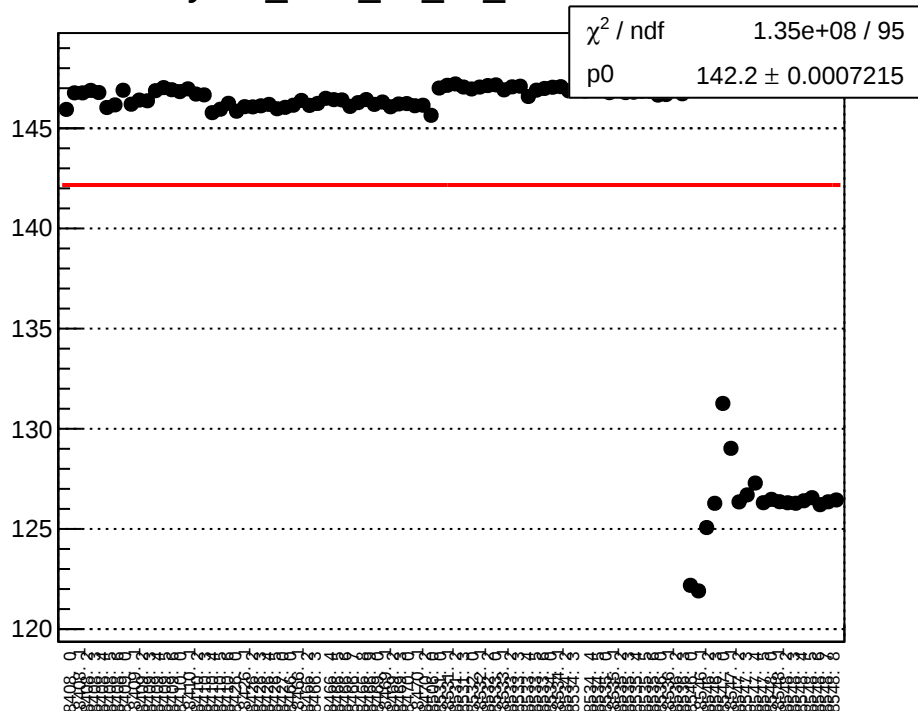
asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run



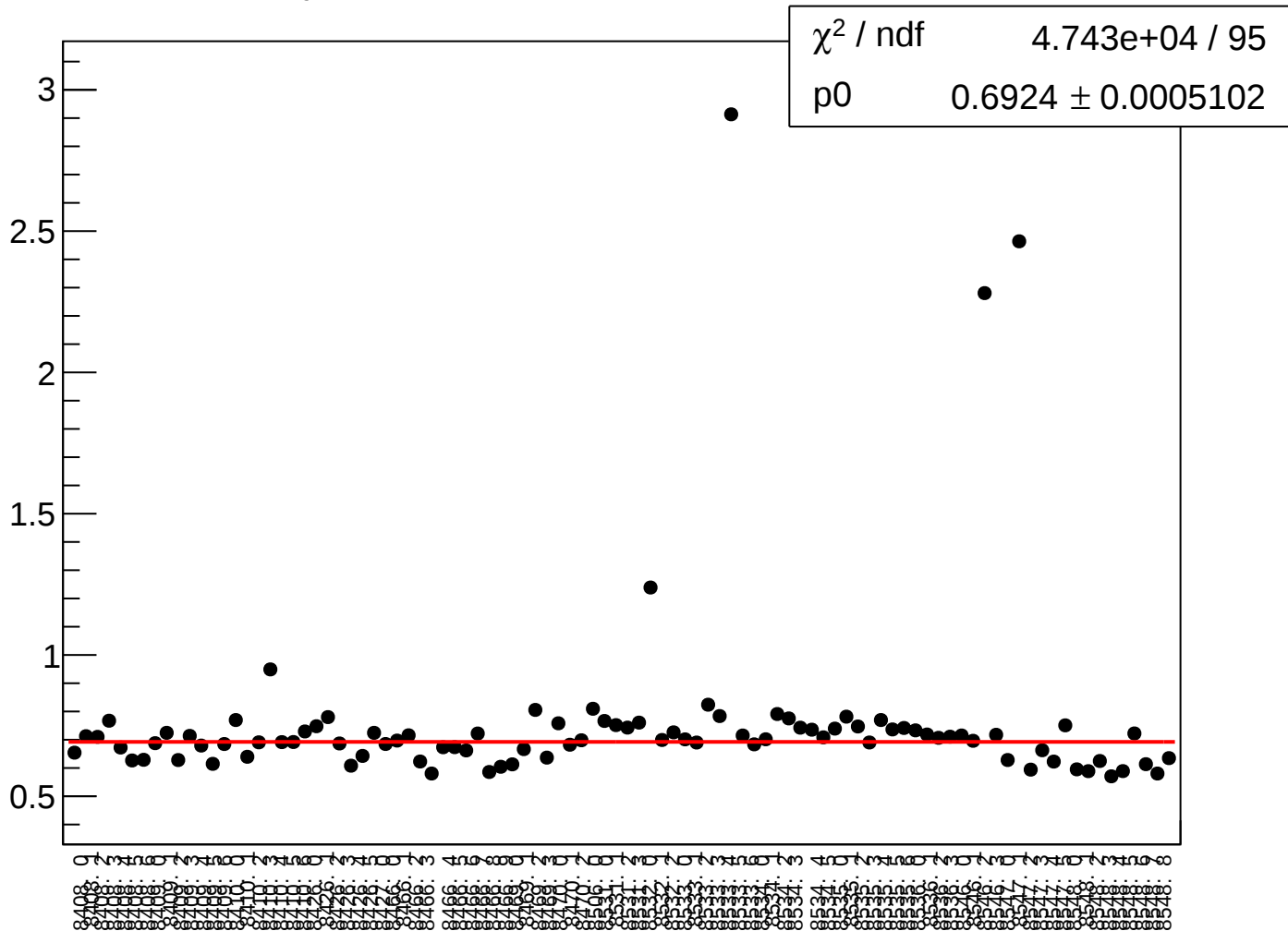
asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run



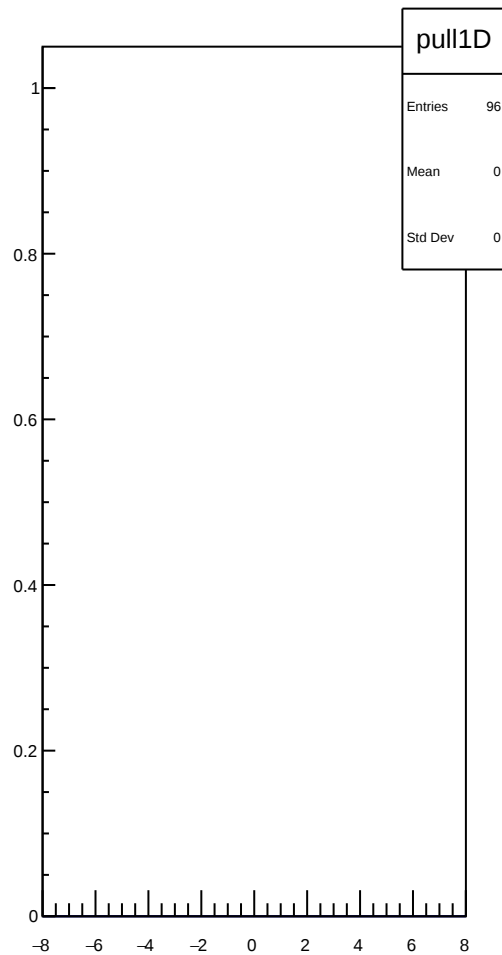
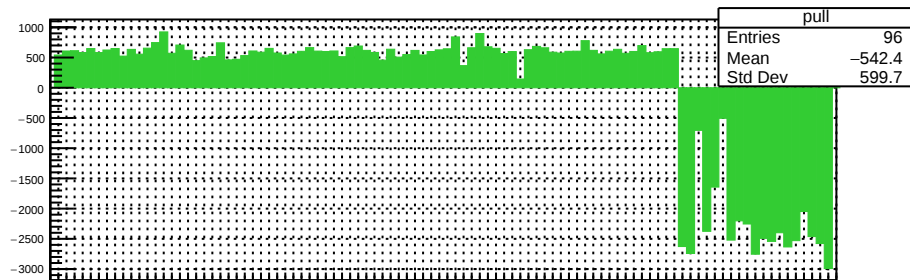
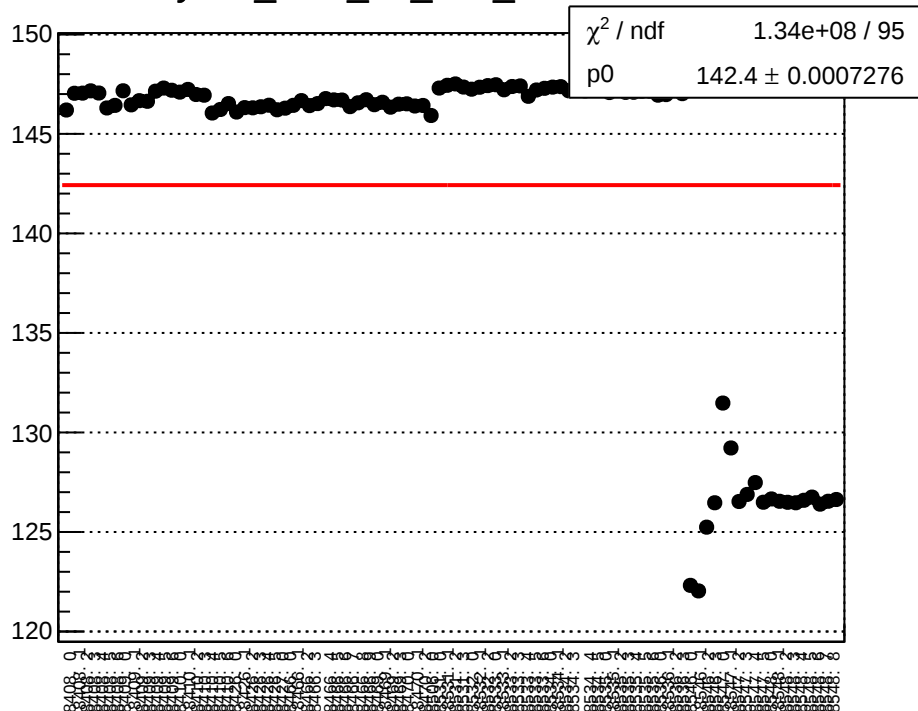
yield_bcm_an_ds_mean vs run



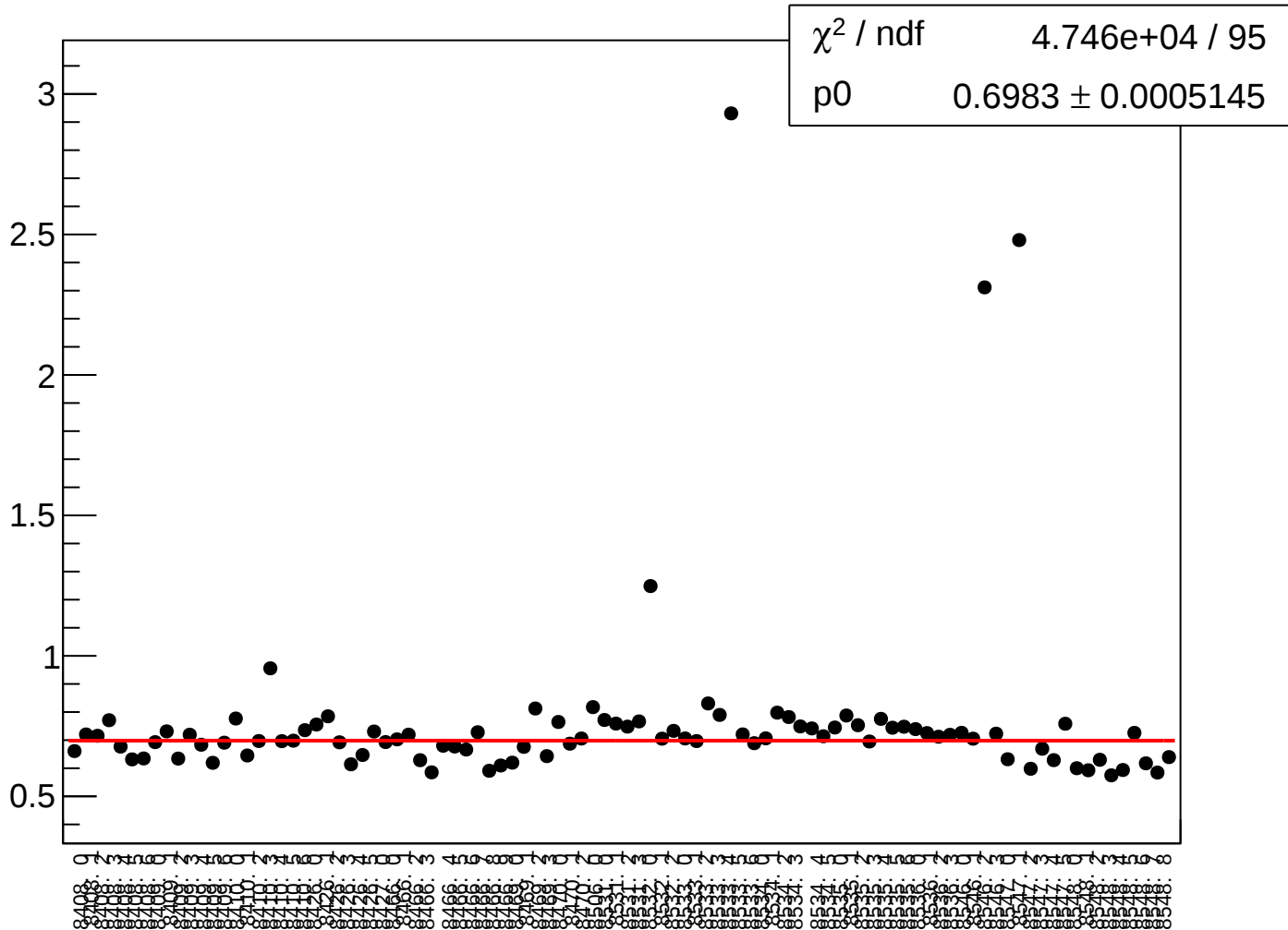
yield_bcm_an_ds_rms vs run



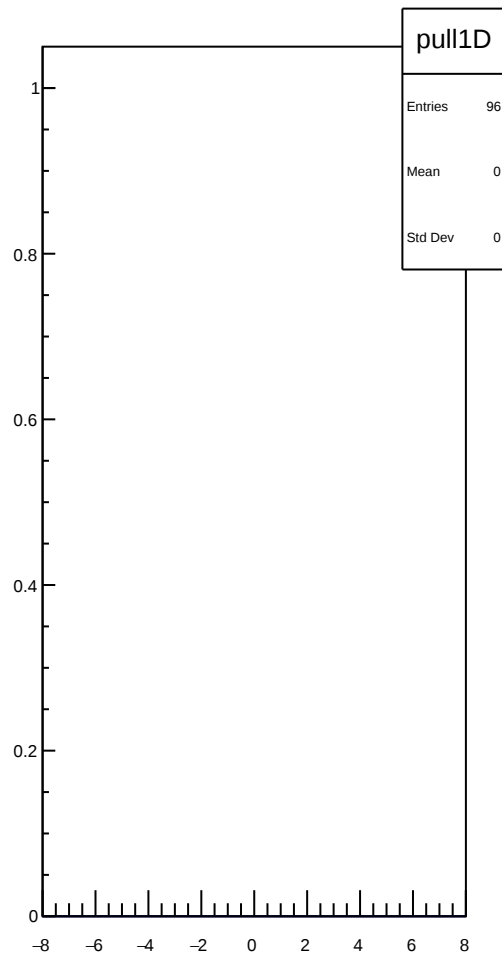
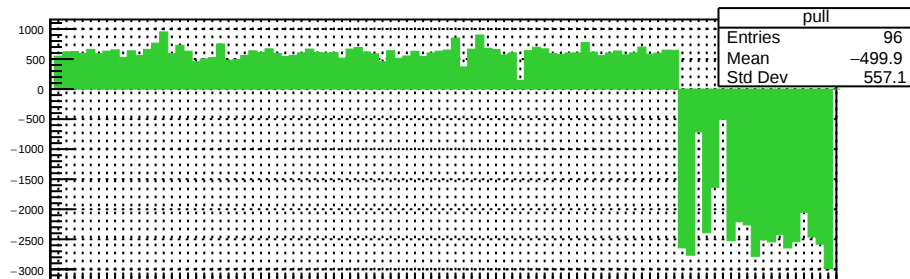
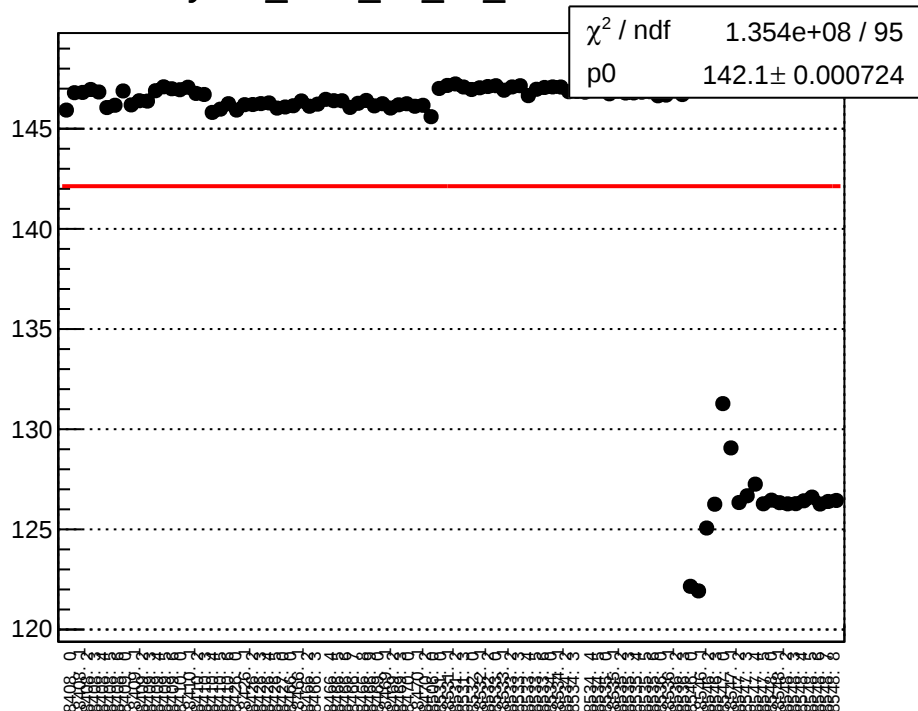
yield_bcm_an_ds3_mean vs run



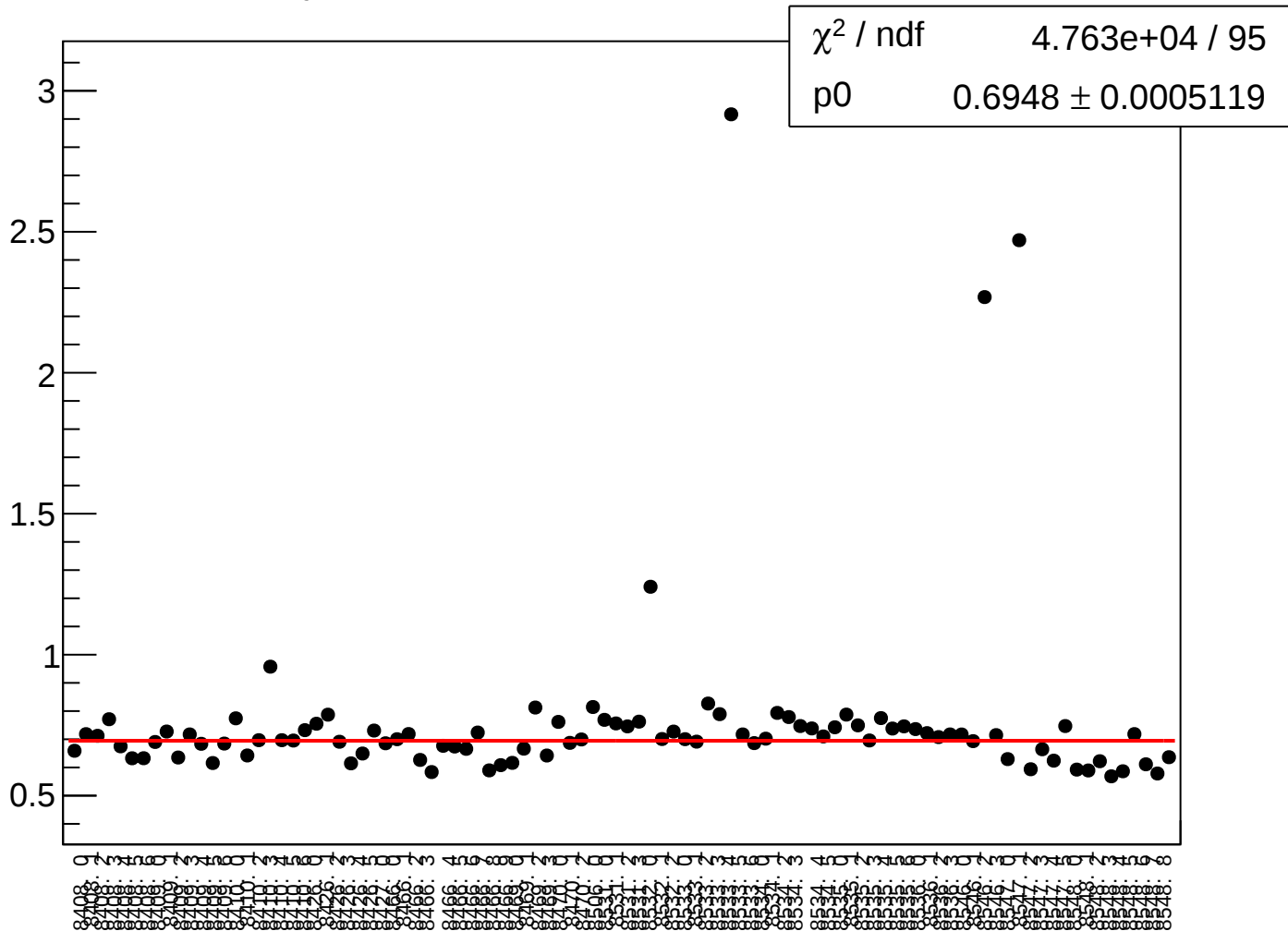
yield_bcm_an_ds3_rms vs run



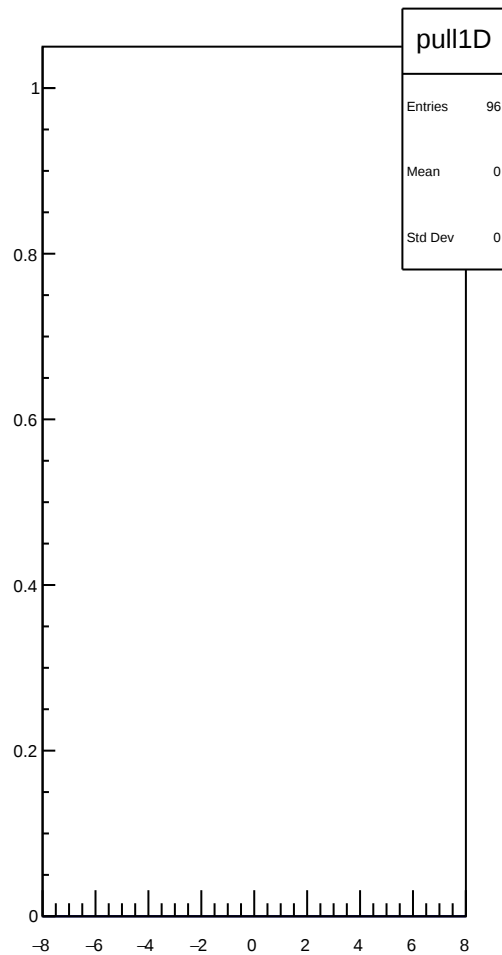
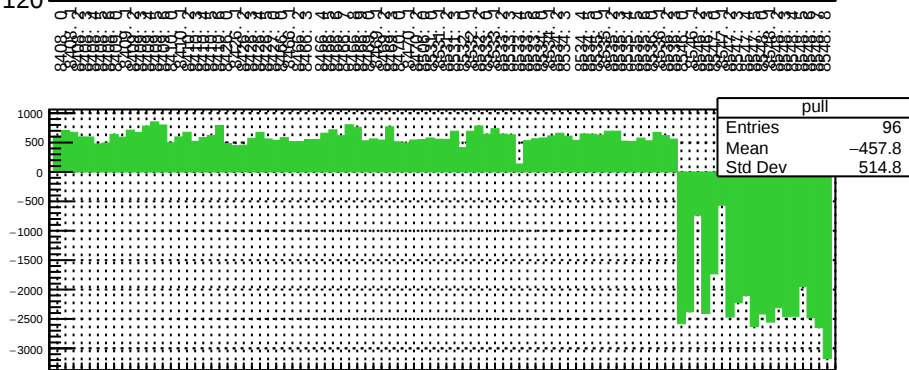
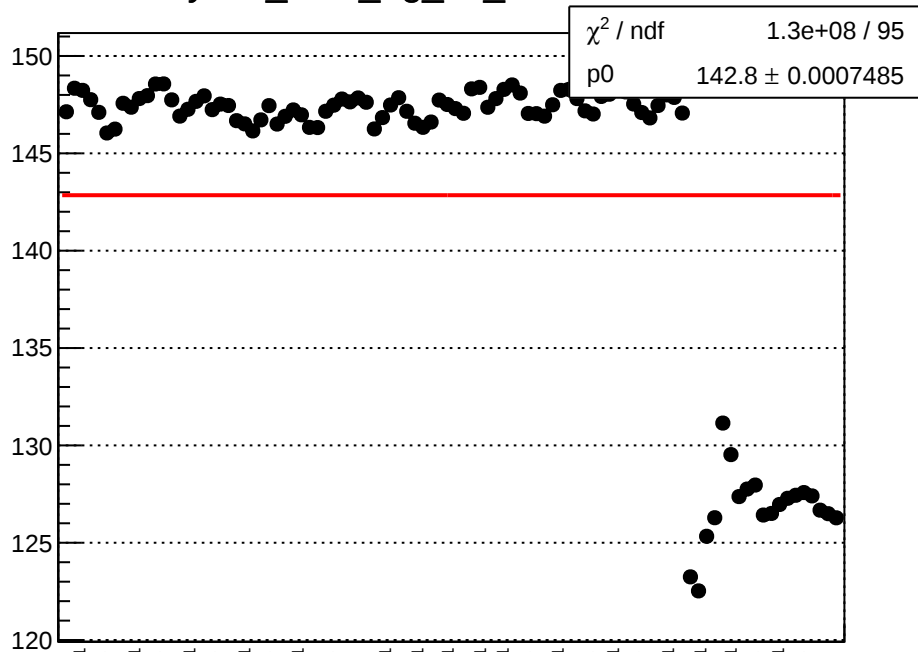
yield_bcm_an_us_mean vs run



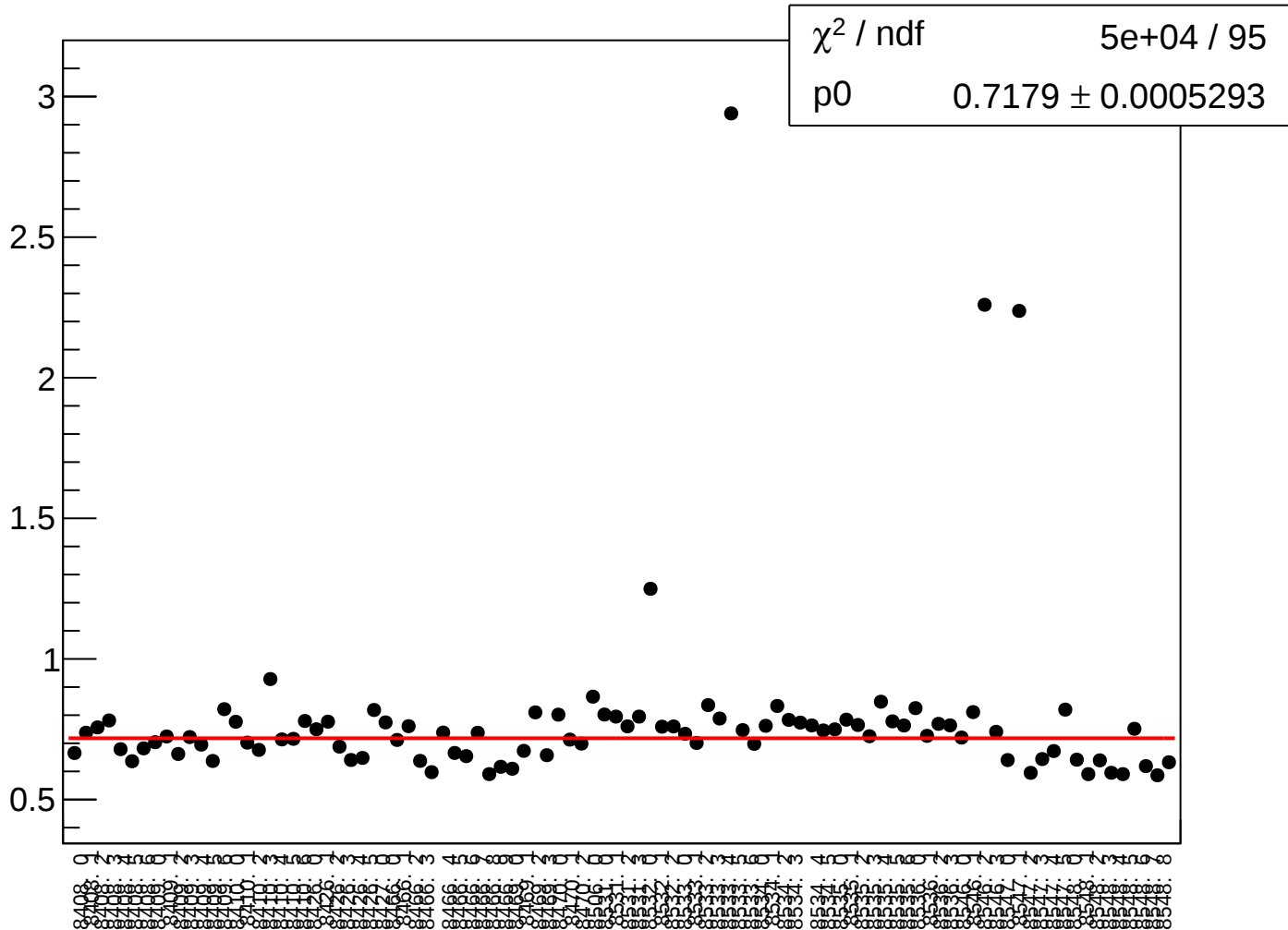
yield_bcm_an_us_rms vs run



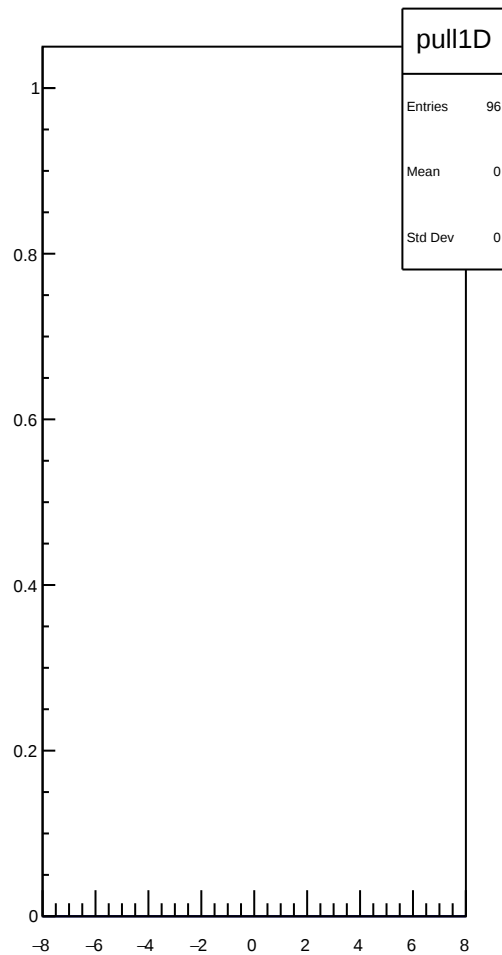
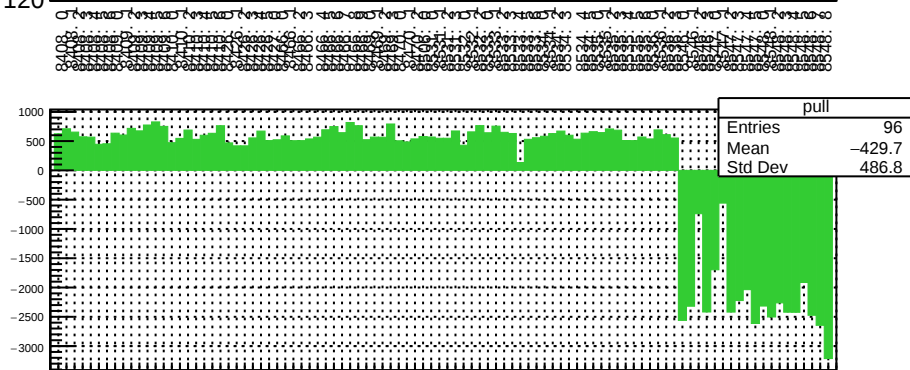
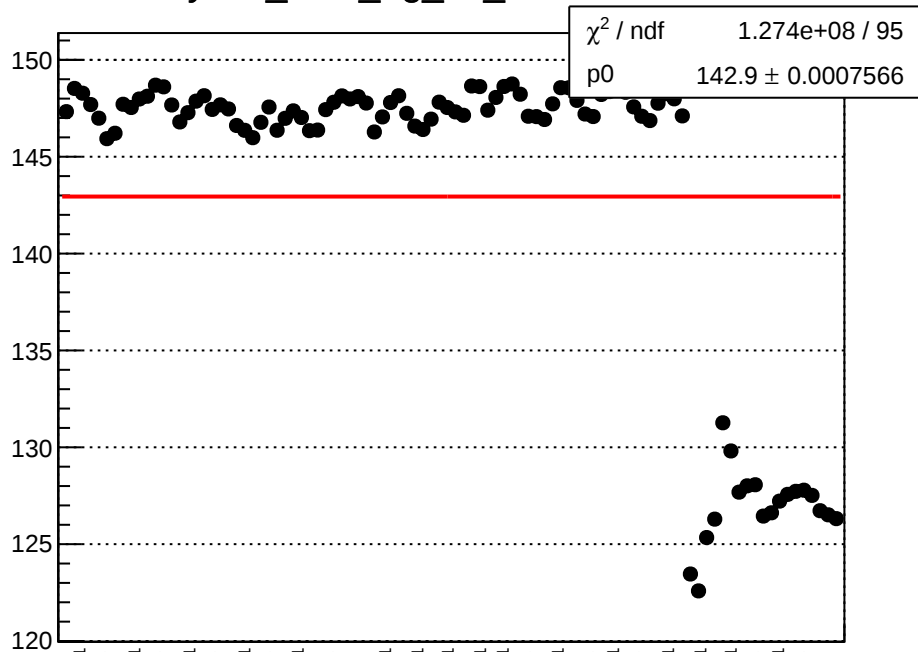
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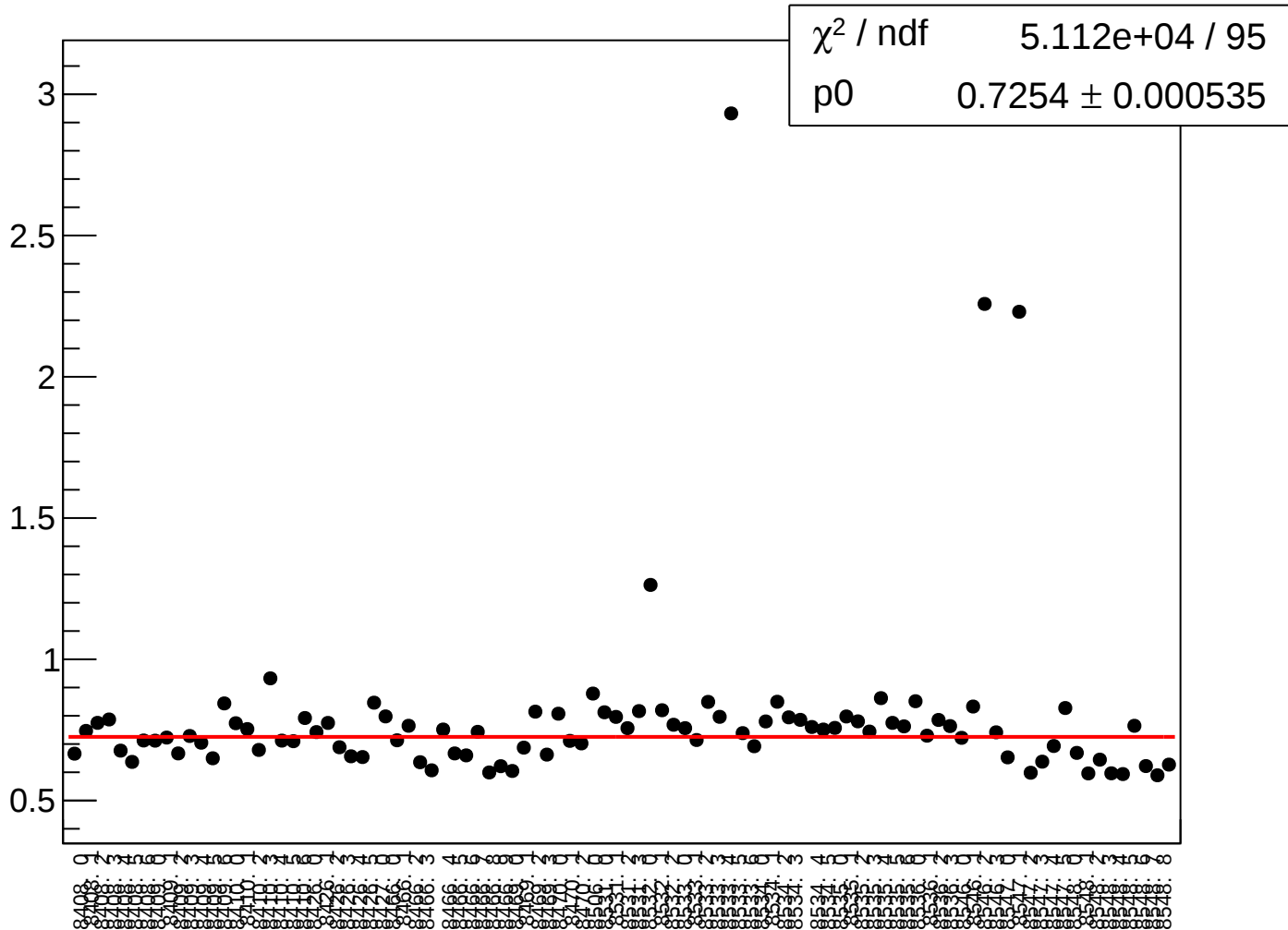
yield_bcm_dg_us_rms vs run



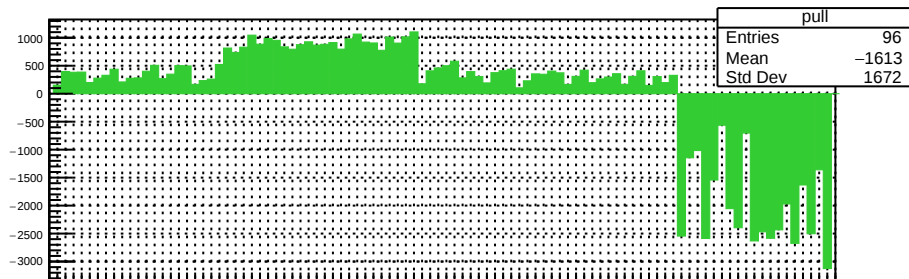
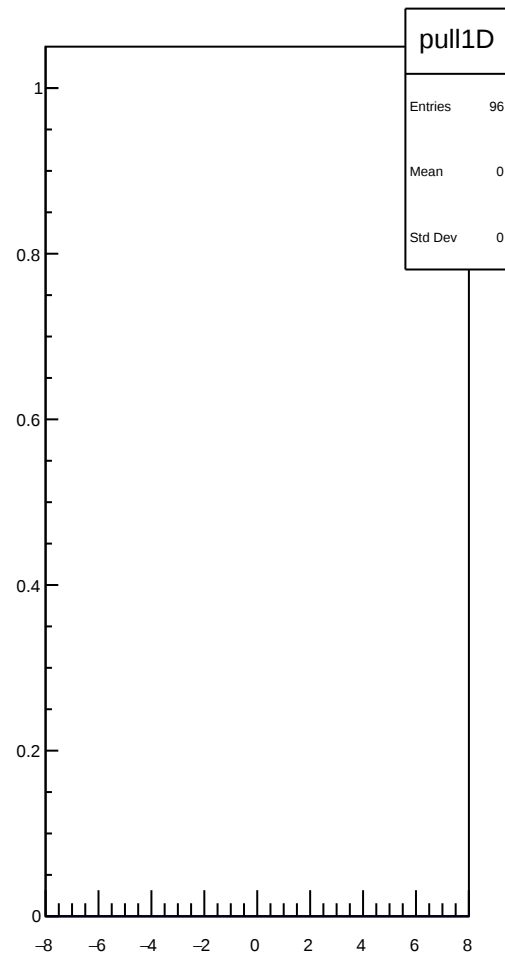
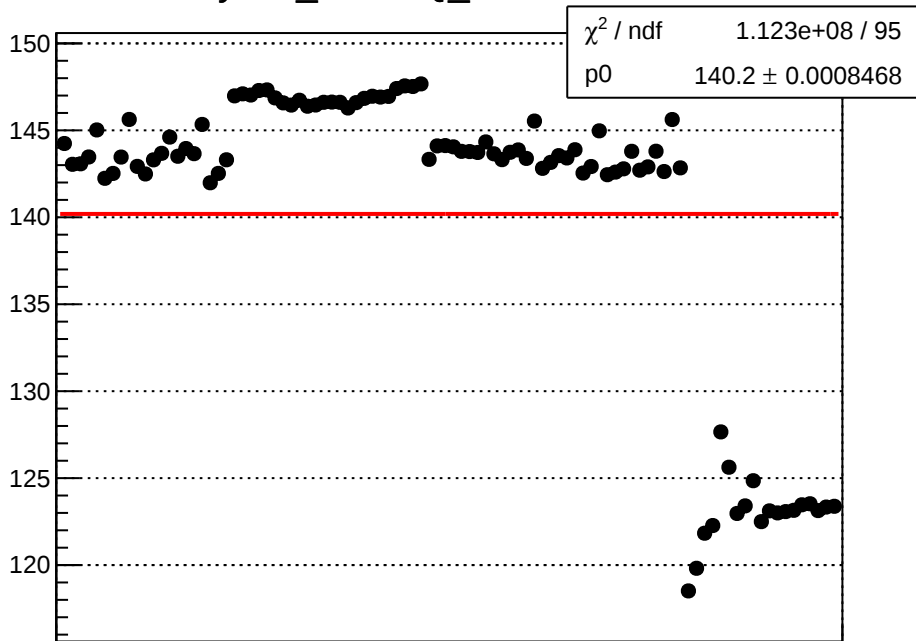
yield_bcm_dg_ds_mean vs run



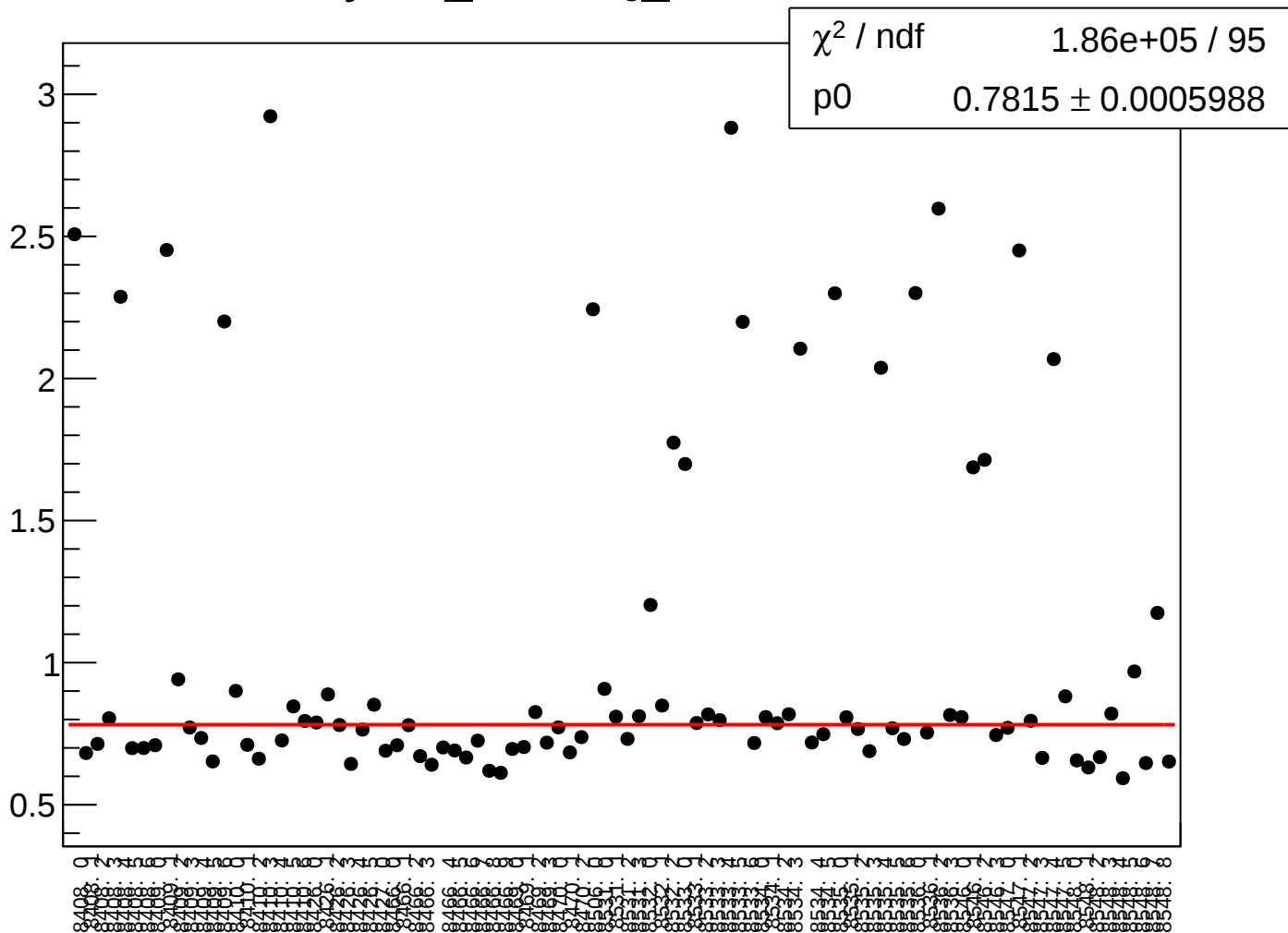
yield_bcm_dg_ds_rms vs run



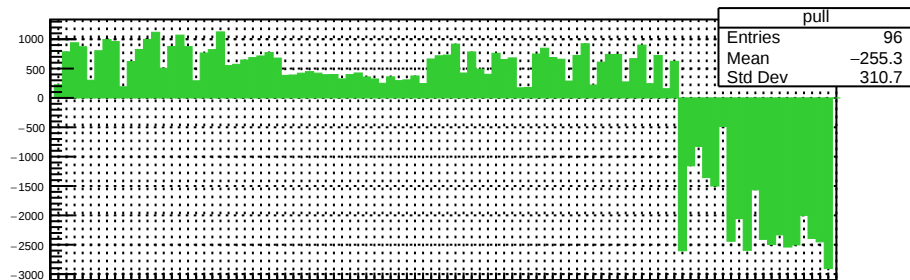
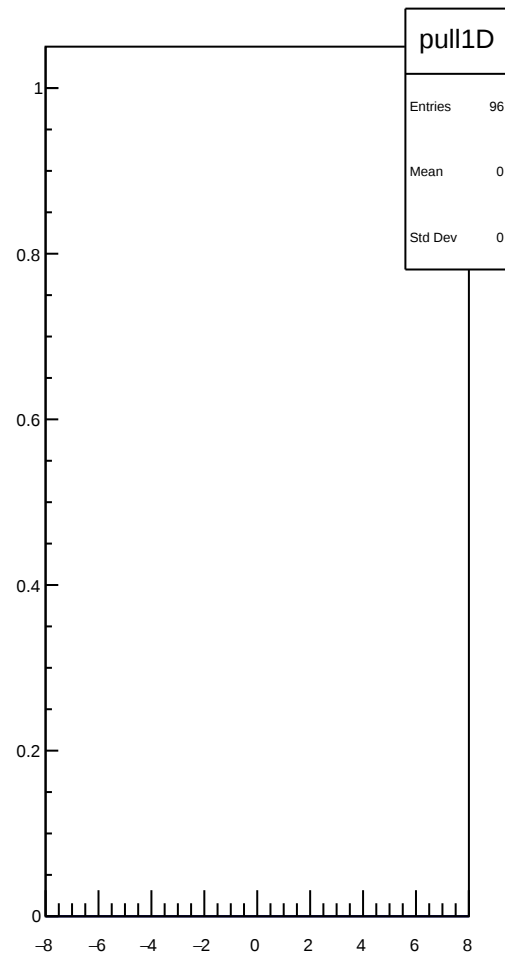
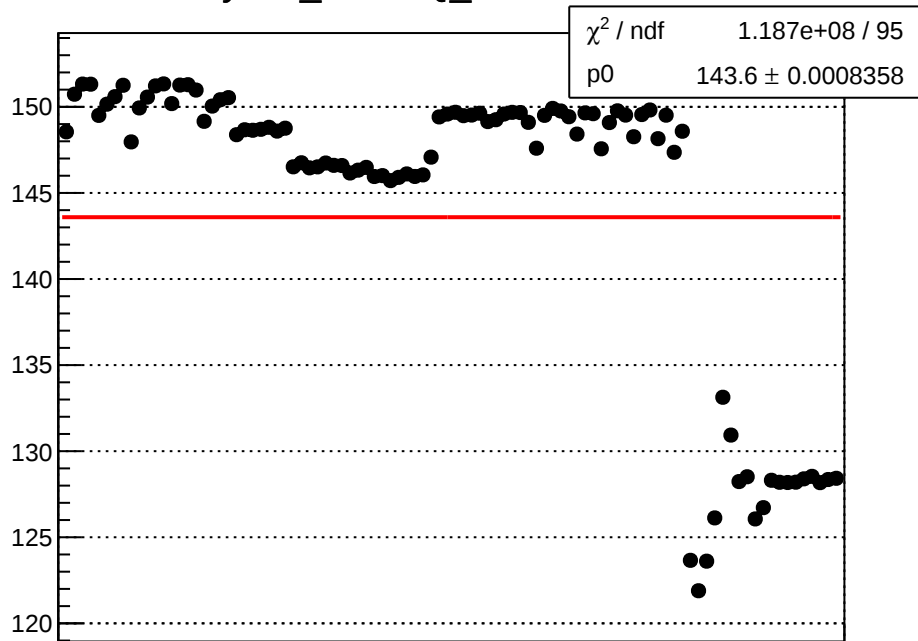
yield_cav4bQ_mean vs run



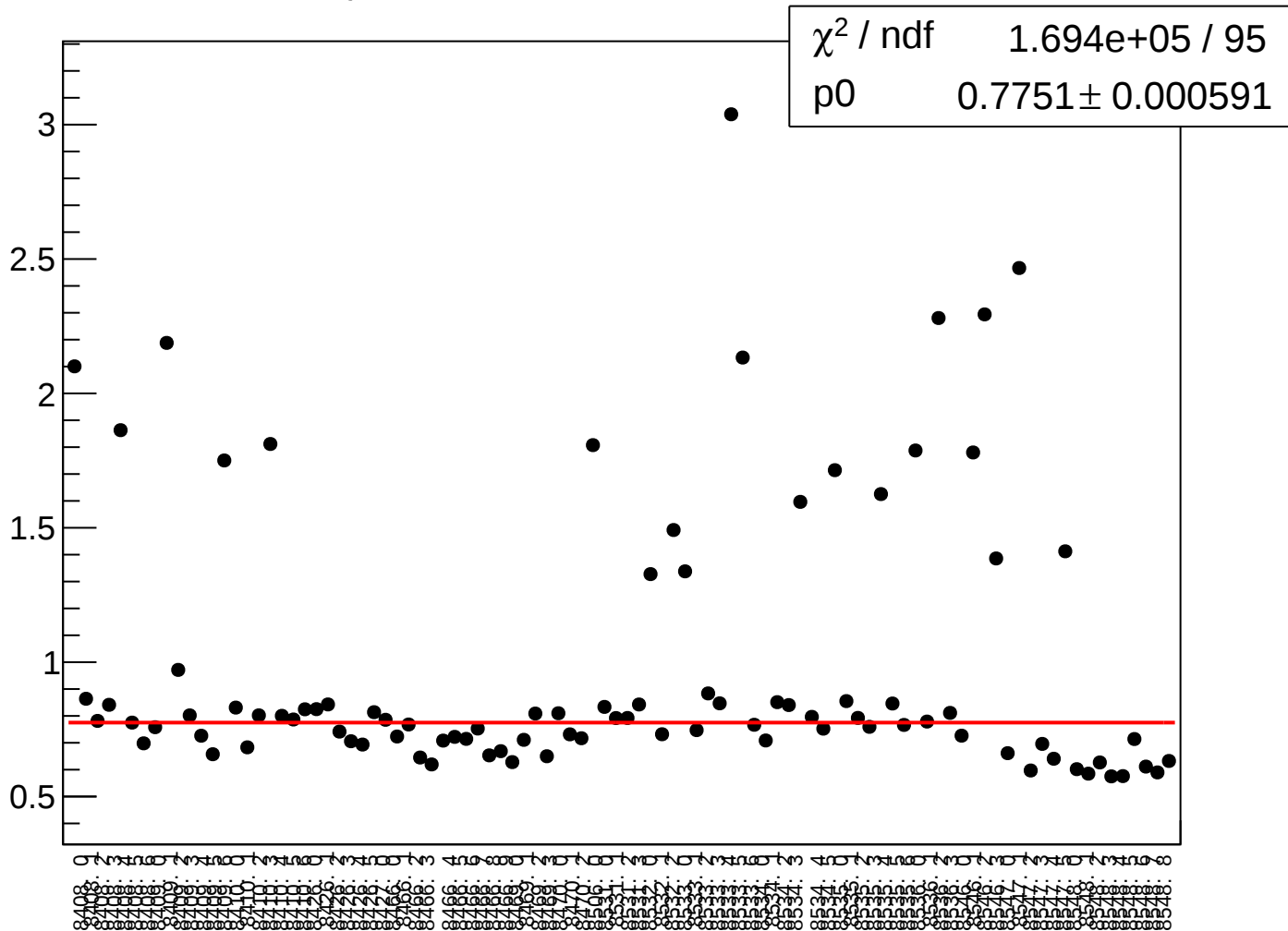
yield_cav4bQ_rms vs run



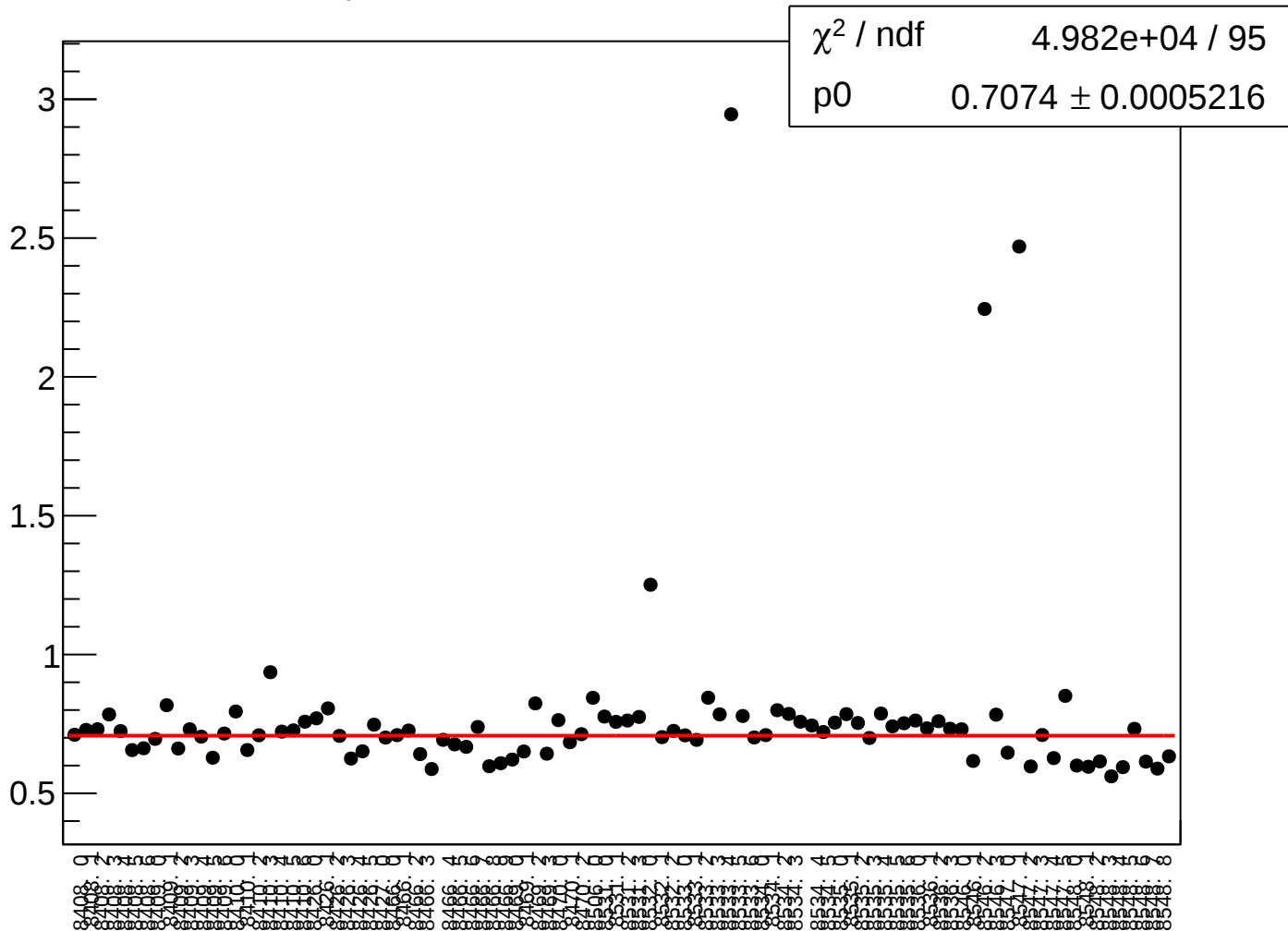
yield_cav4cQ_mean vs run



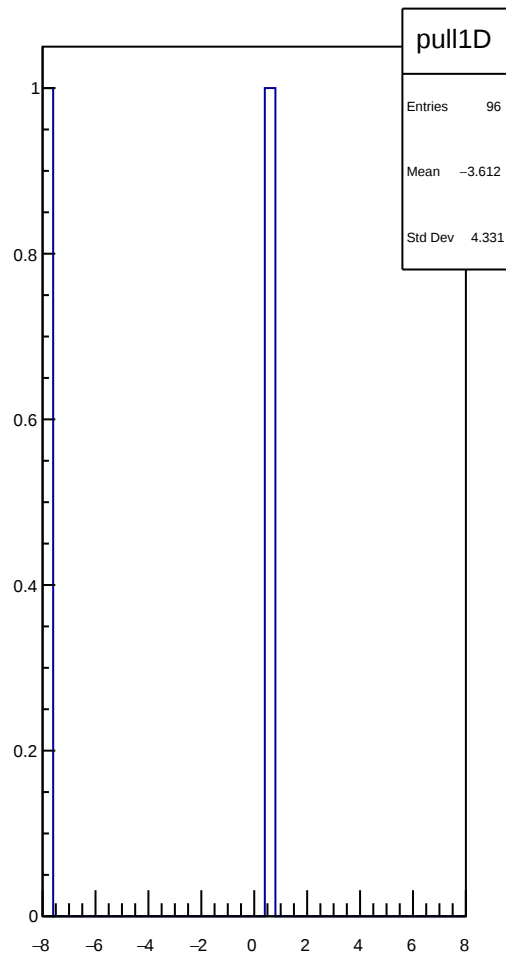
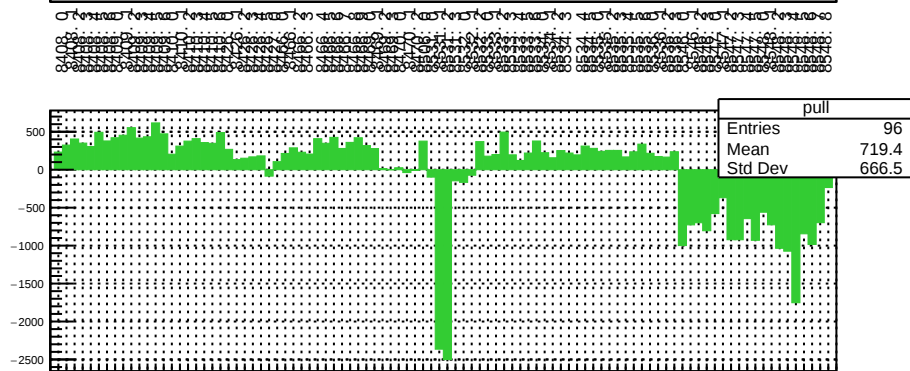
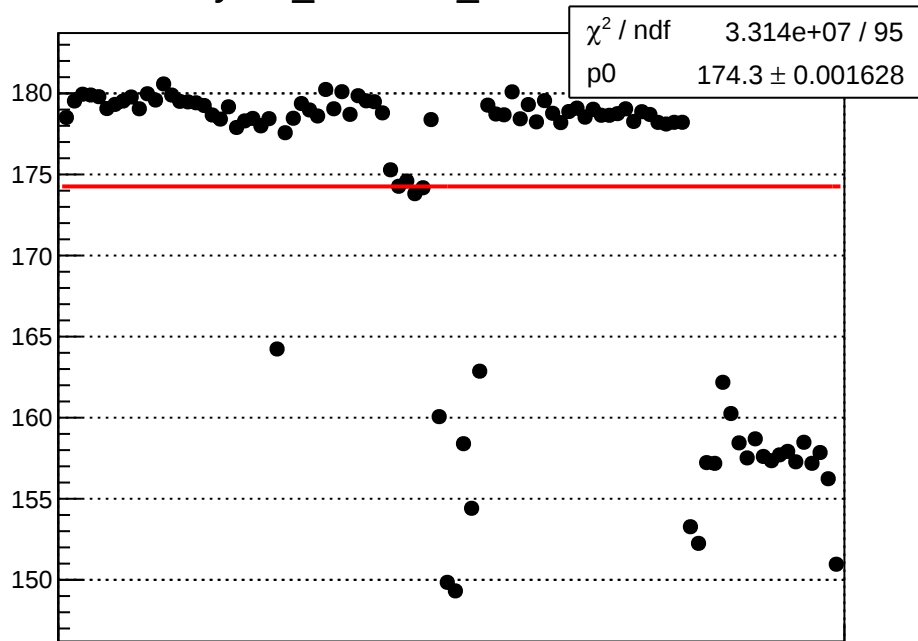
yield_cav4cQ_rms vs run



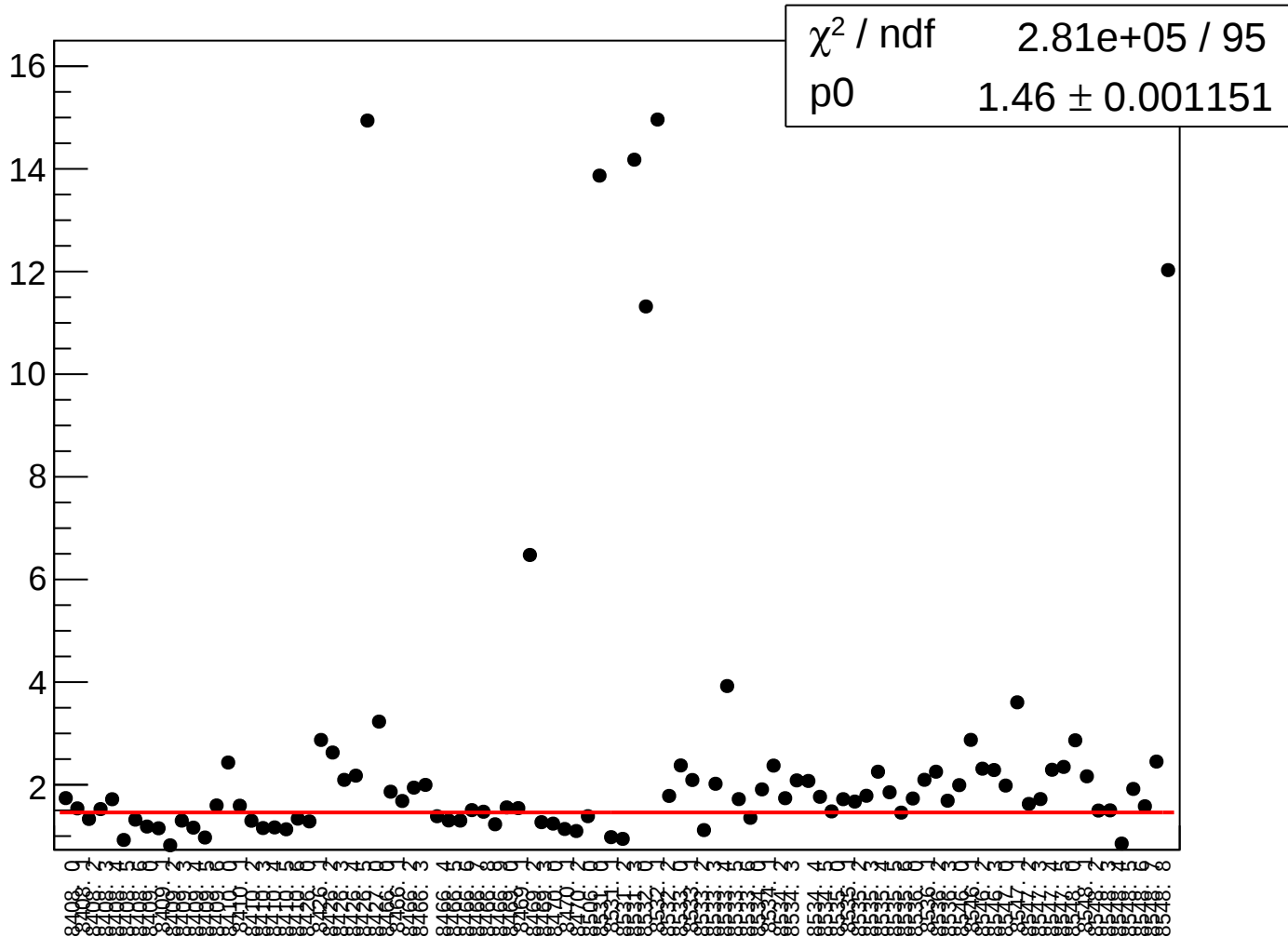
yield_cav4dQ_rms vs run



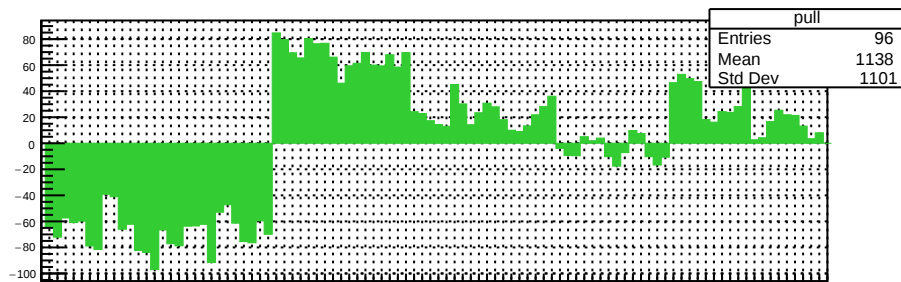
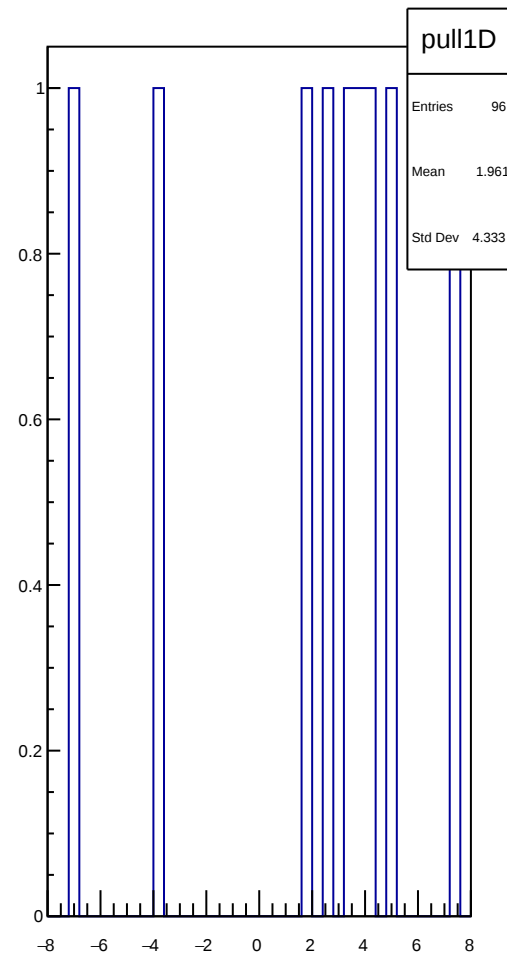
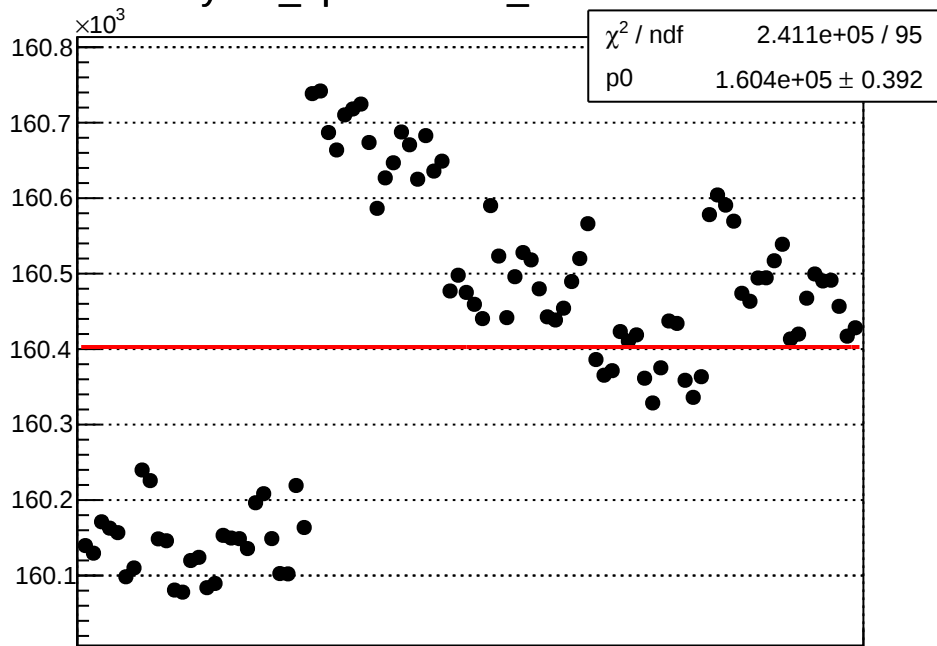
yield_bcm0l02_mean vs run



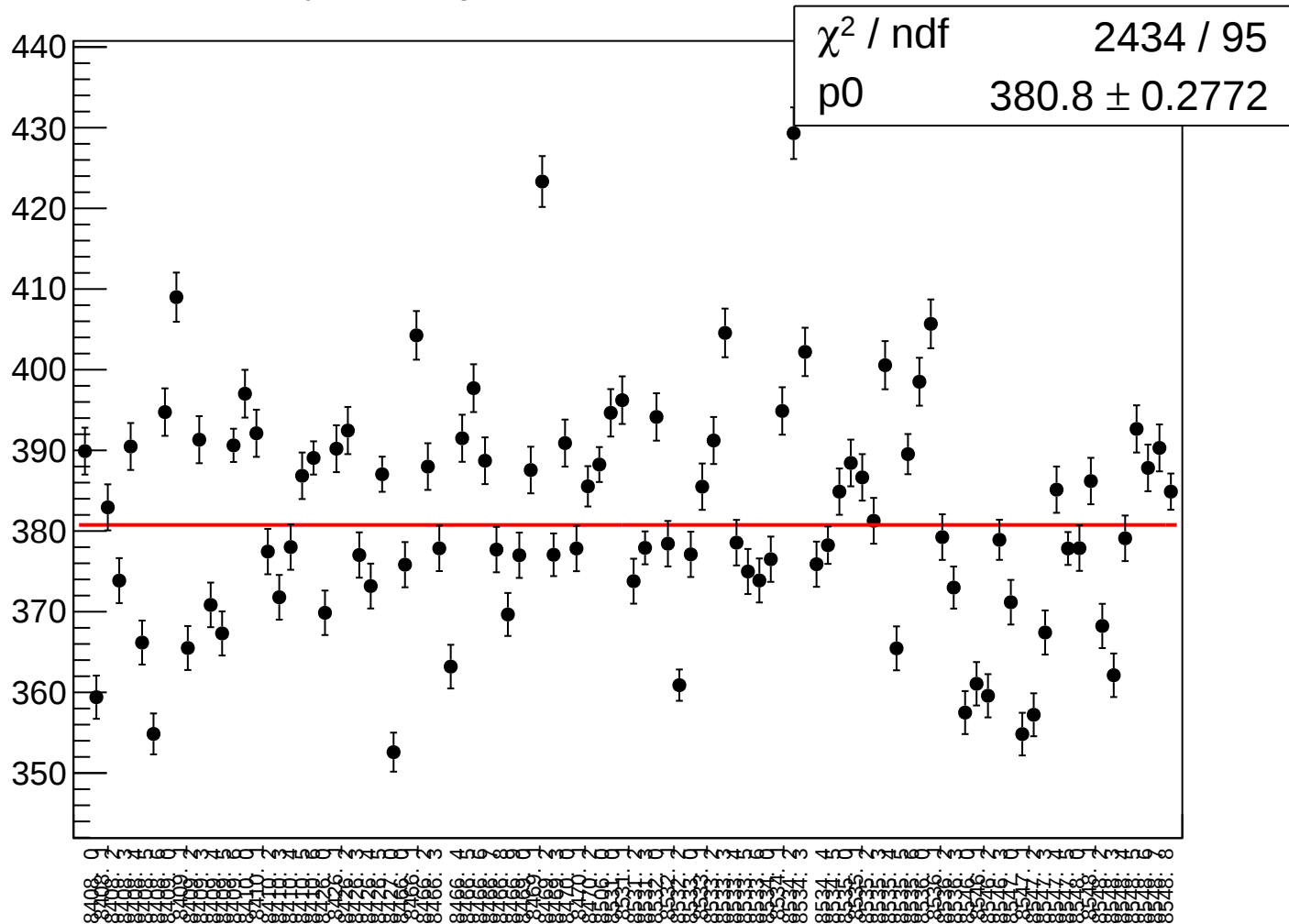
yield_bcm0l02_rms vs run



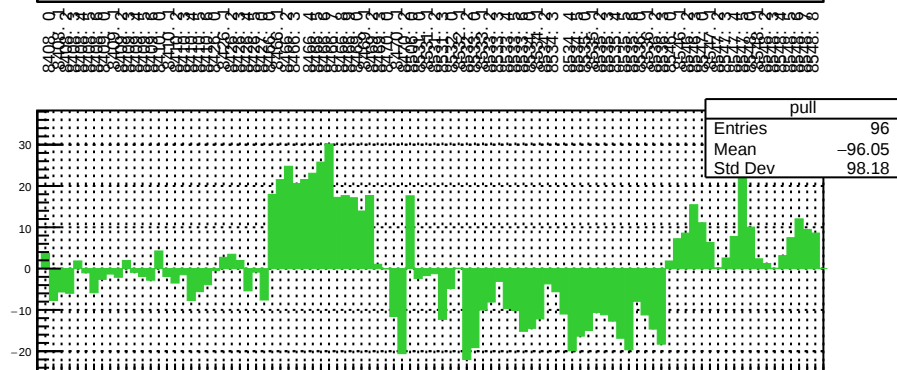
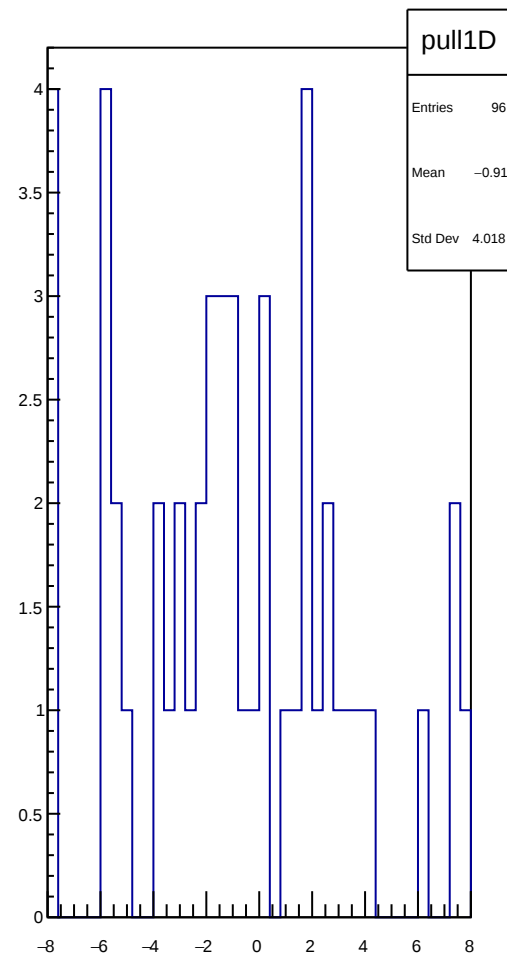
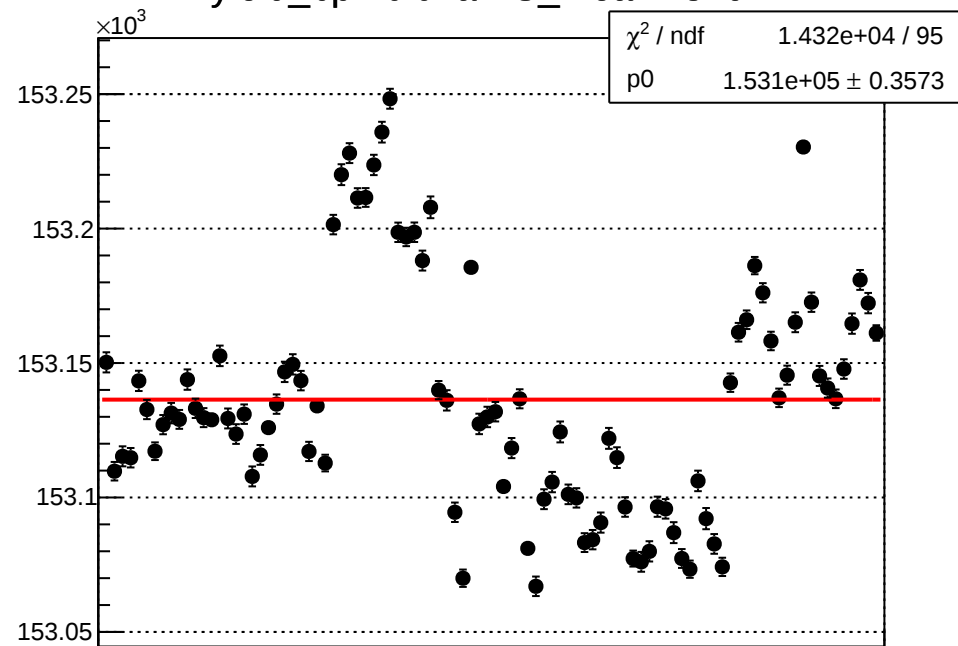
yield_bpm0i01WS_mean vs run



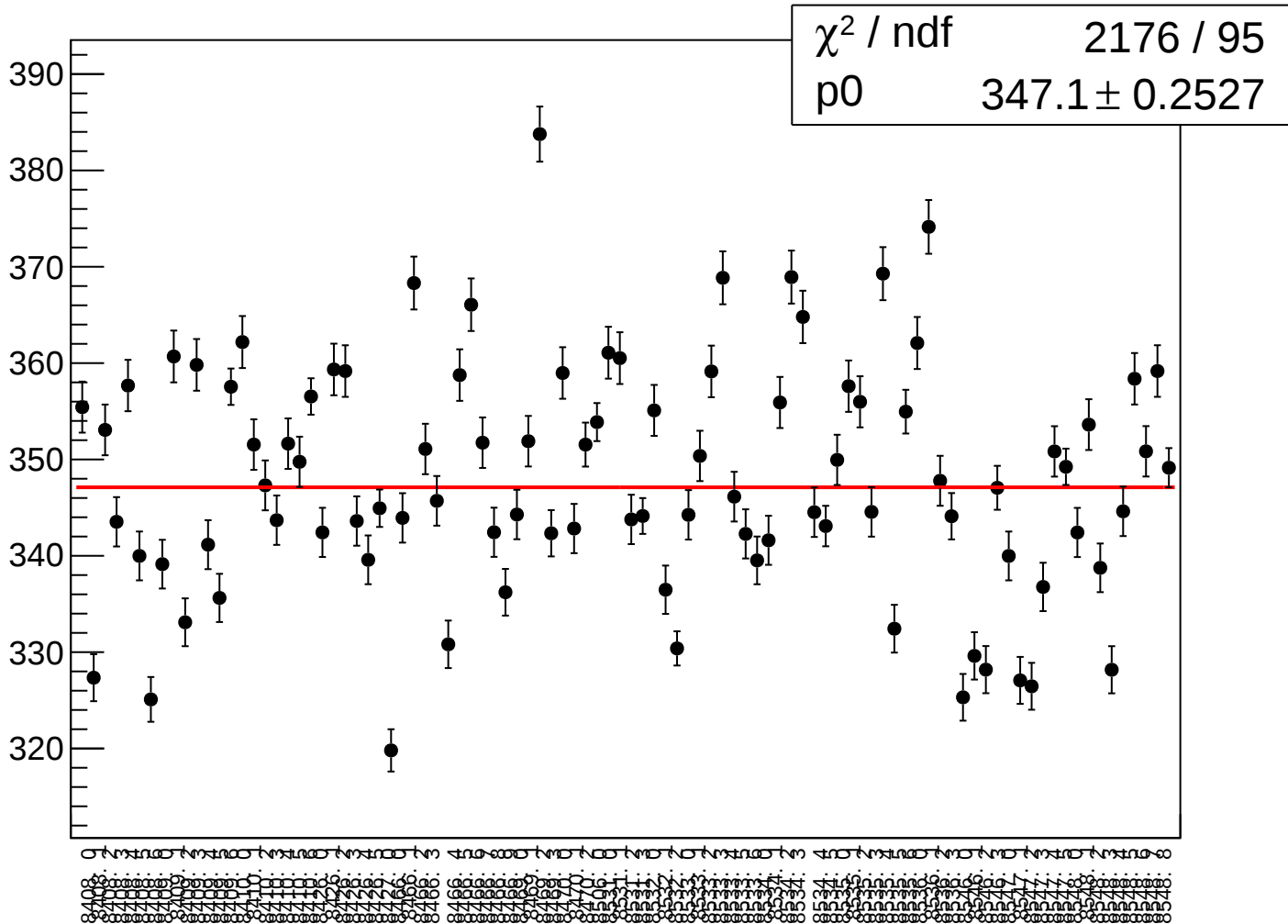
yield_bpm0i01WS_rms vs run



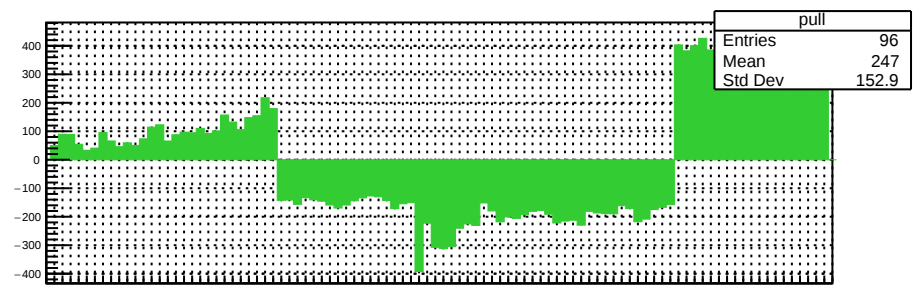
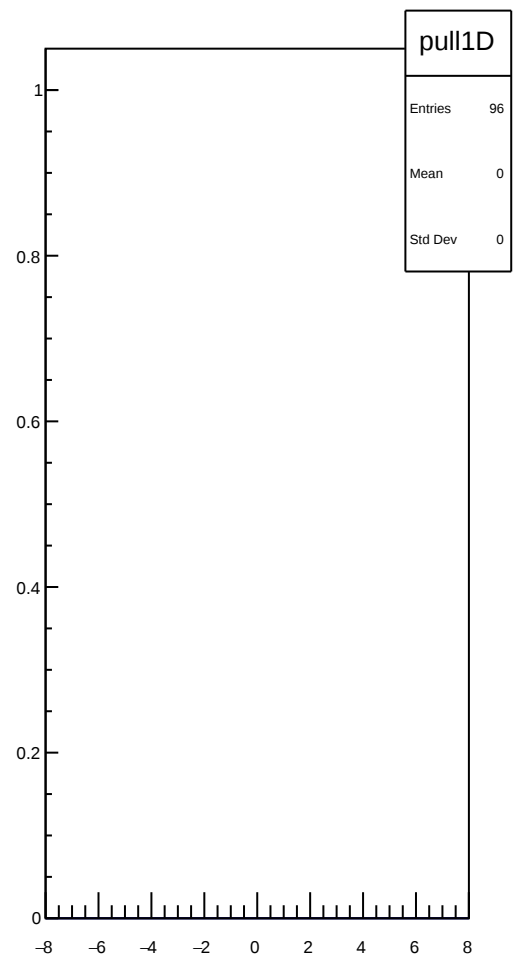
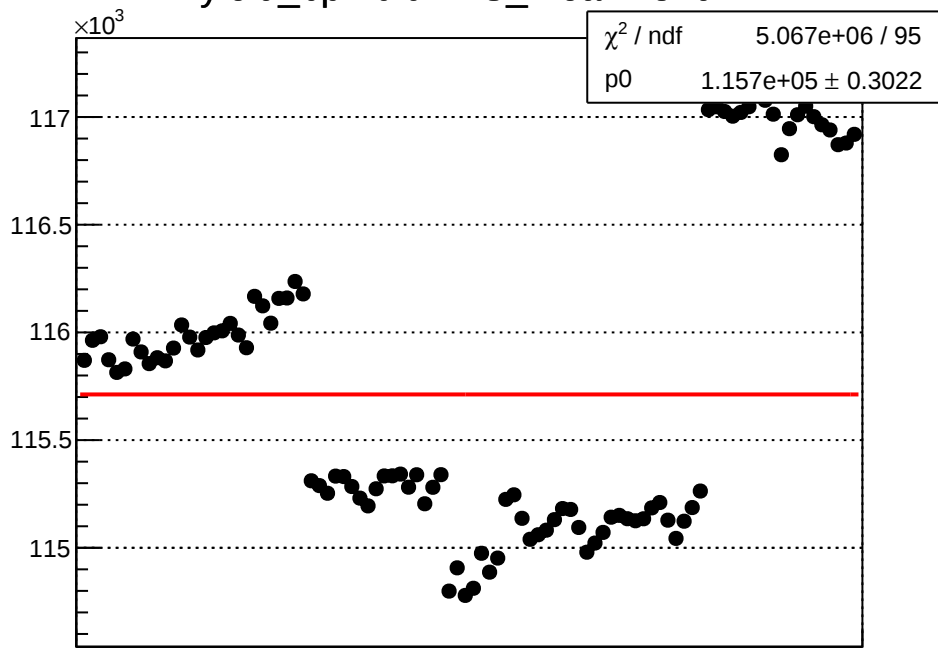
yield_bpm0i01aWS_mean vs run



yield_bpm0i01aWS_rms vs run

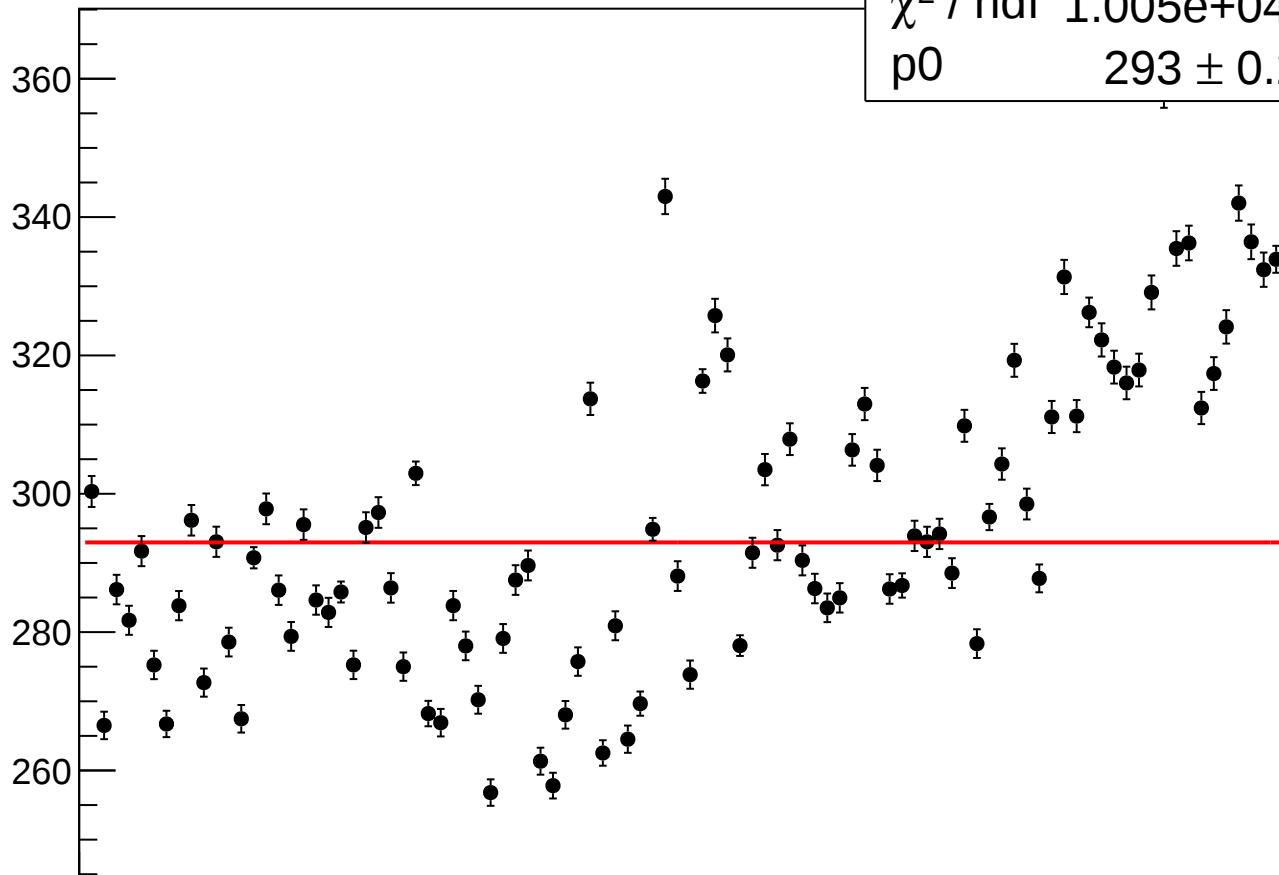


yield_bpm0l01WS_mean vs run



yield_bpm0l01WS_rms vs run

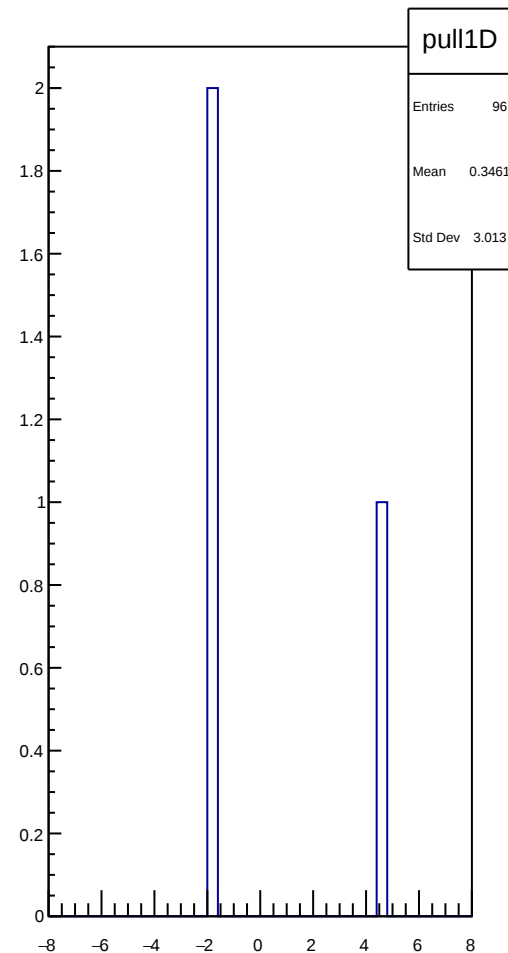
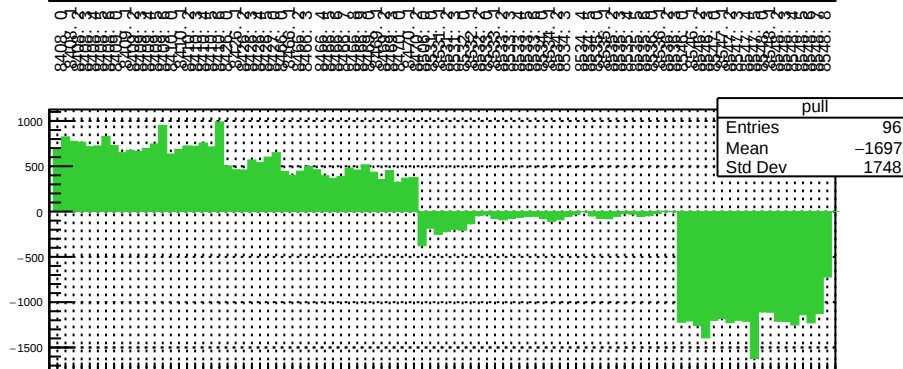
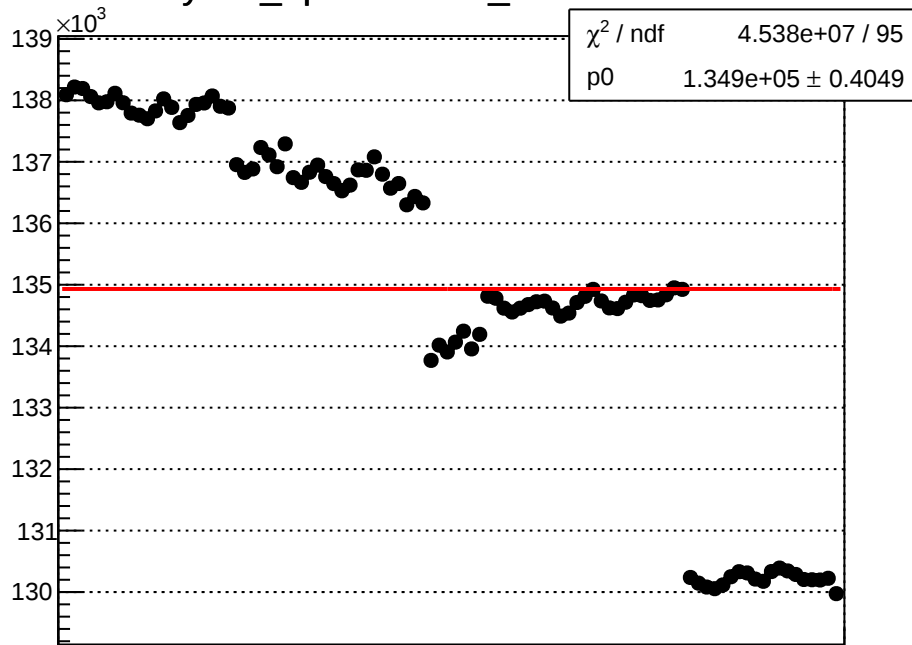
χ^2 / ndf 1.005e+04 / 95
p0 293 ± 0.2137



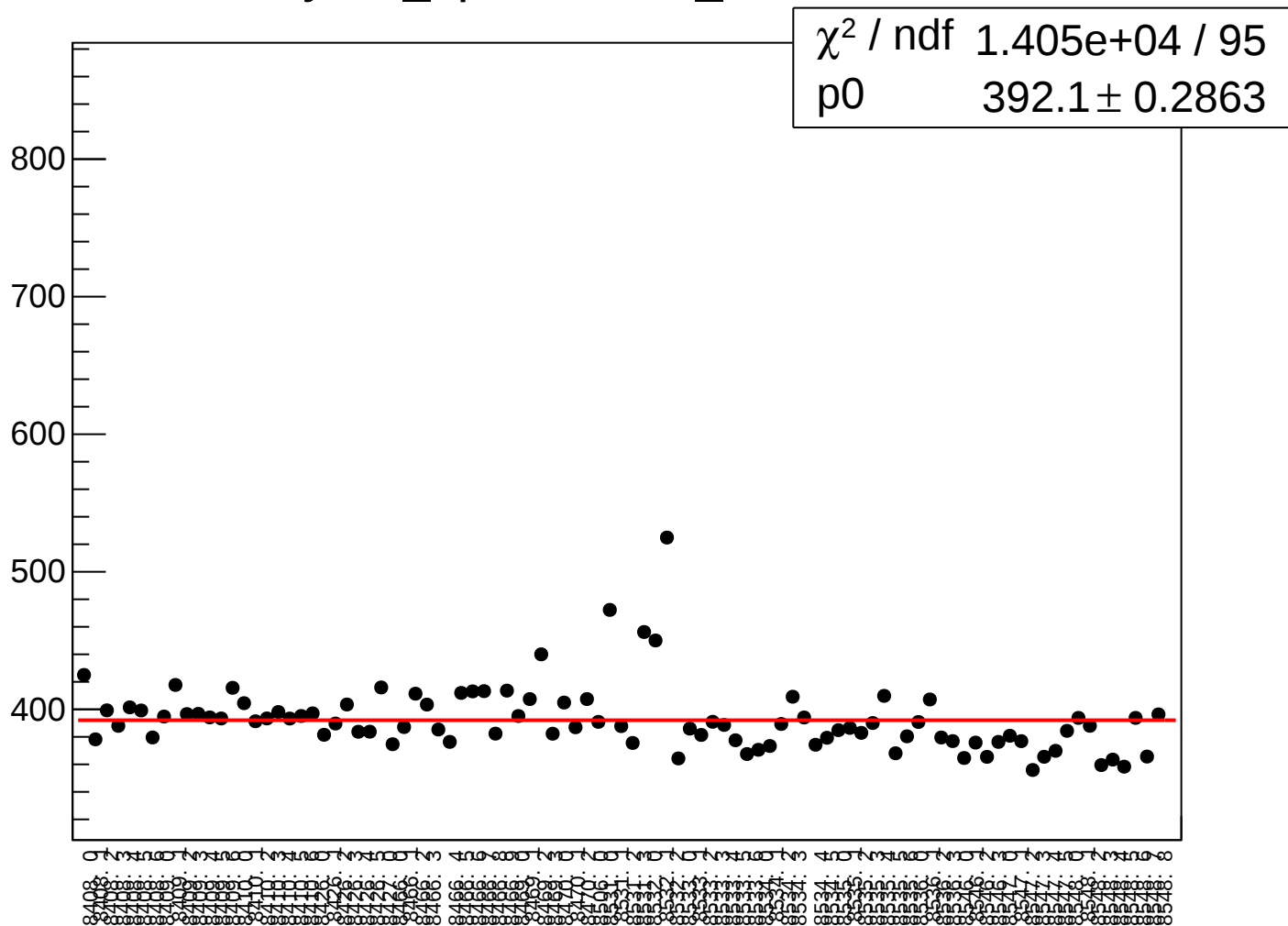
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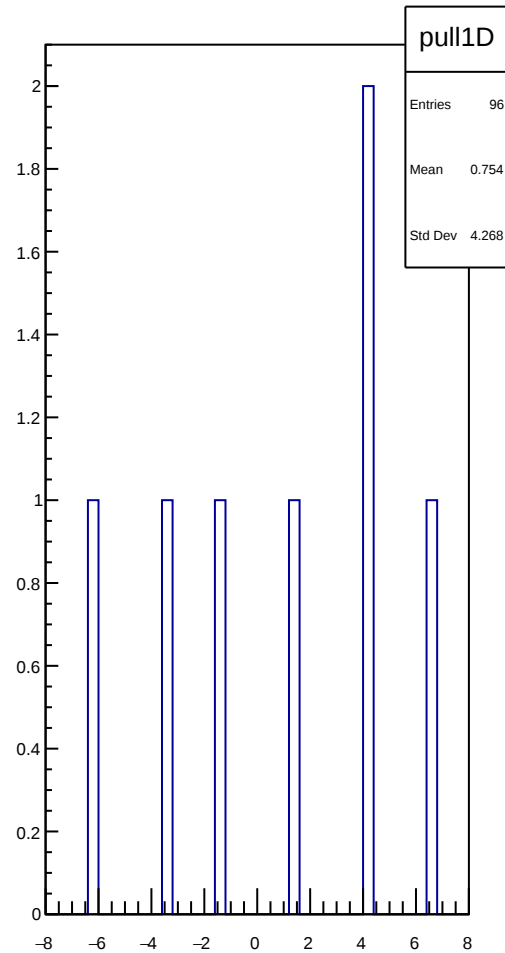
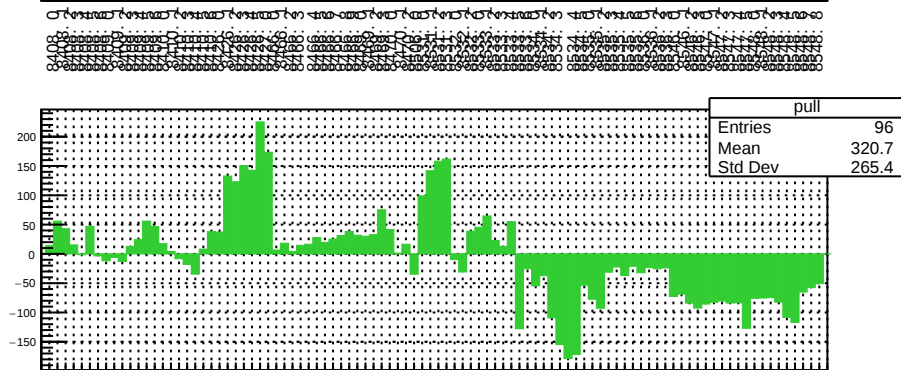
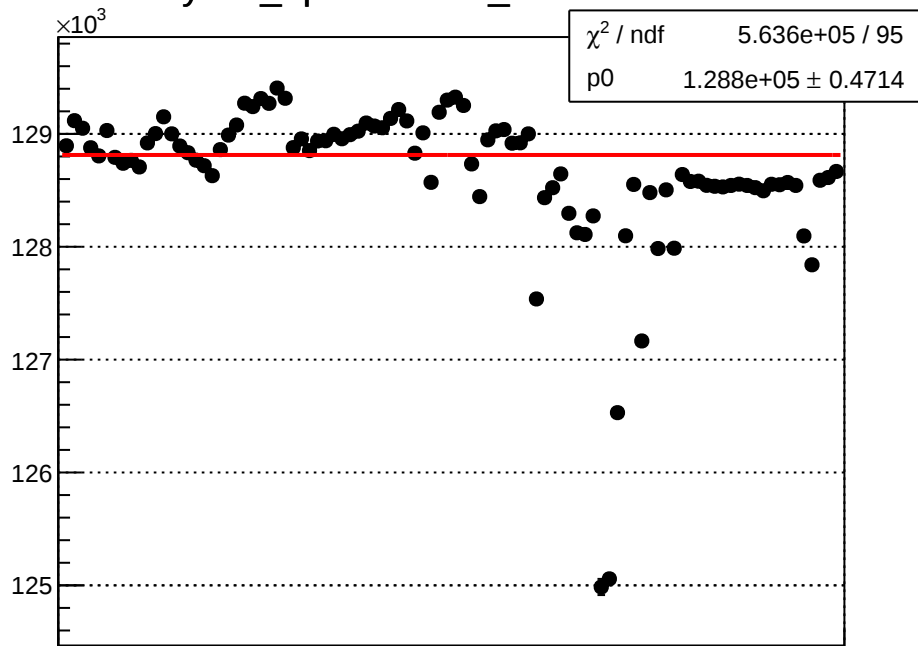
yield_bpm0l02WS_mean vs run



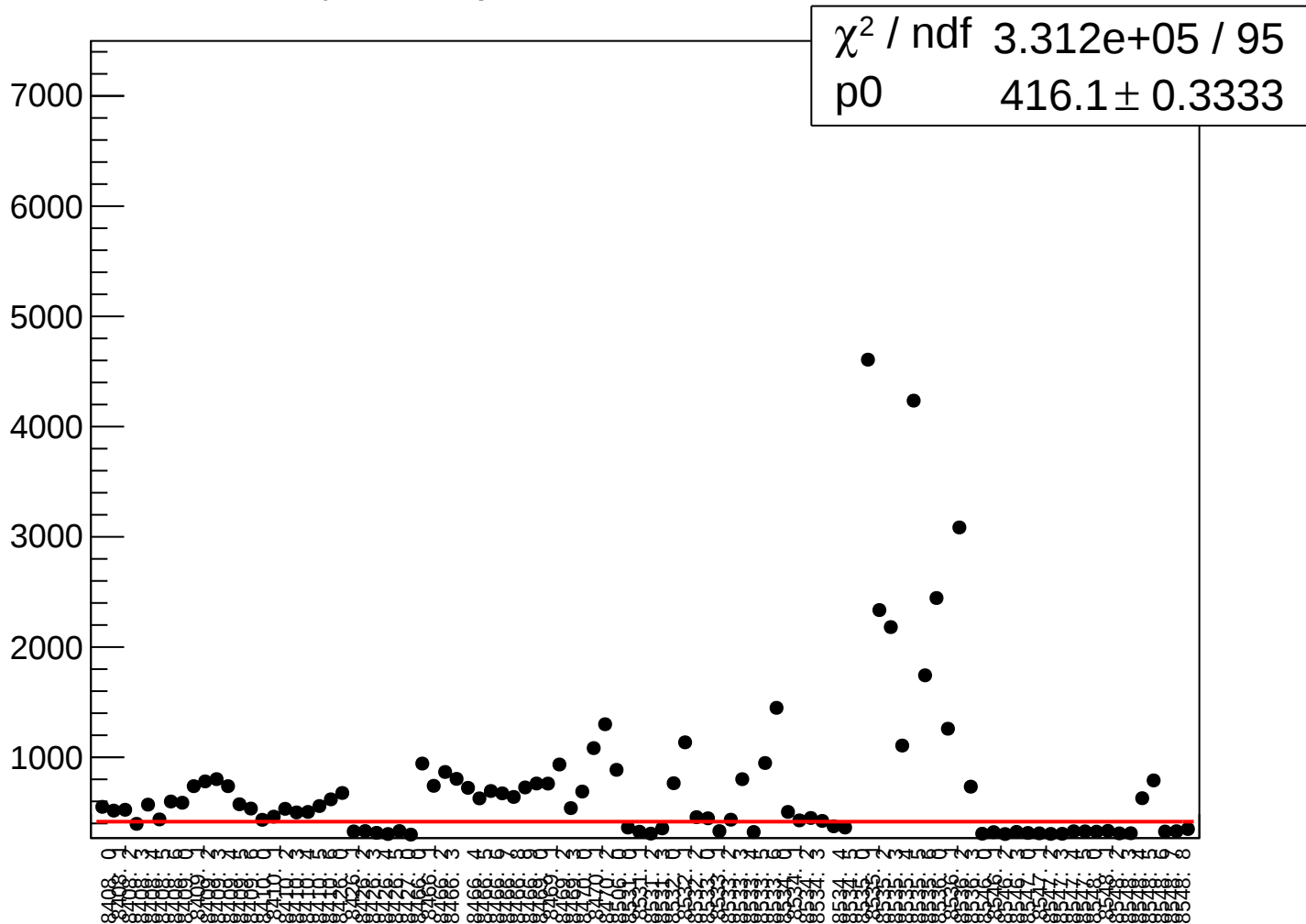
yield_bpm0l02WS_rms vs run



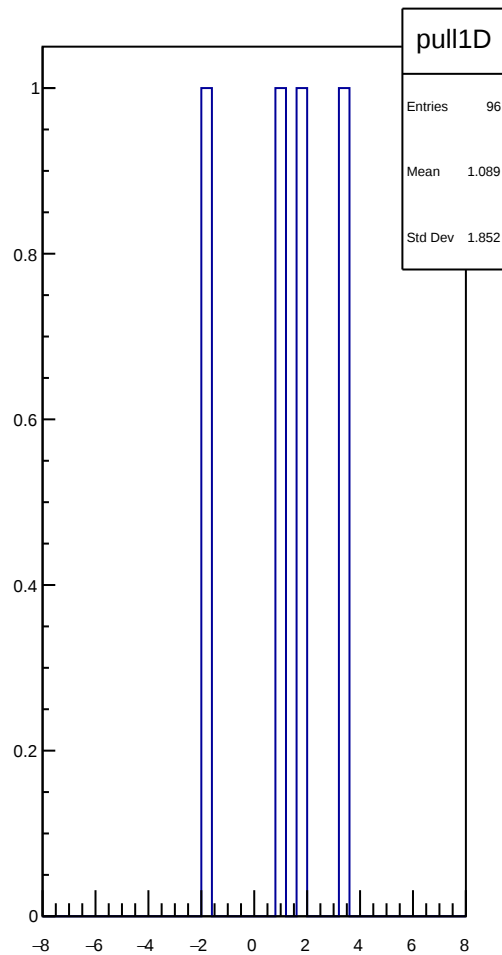
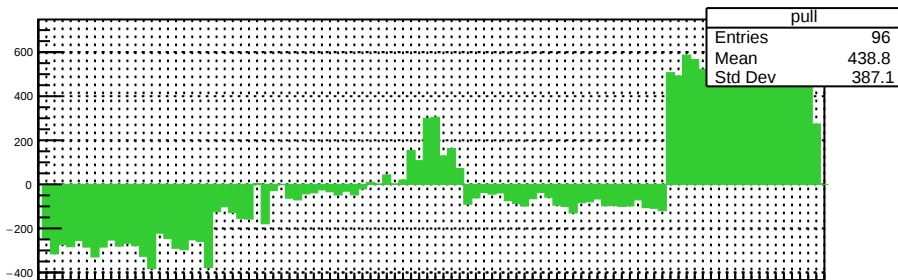
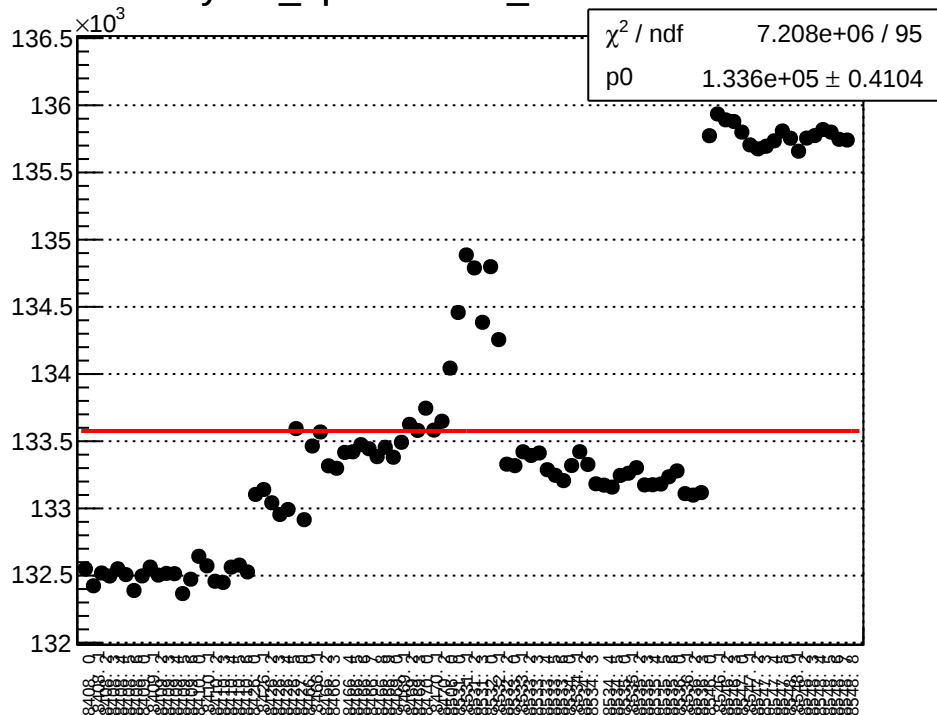
yield_bpm0l03WS_mean vs run



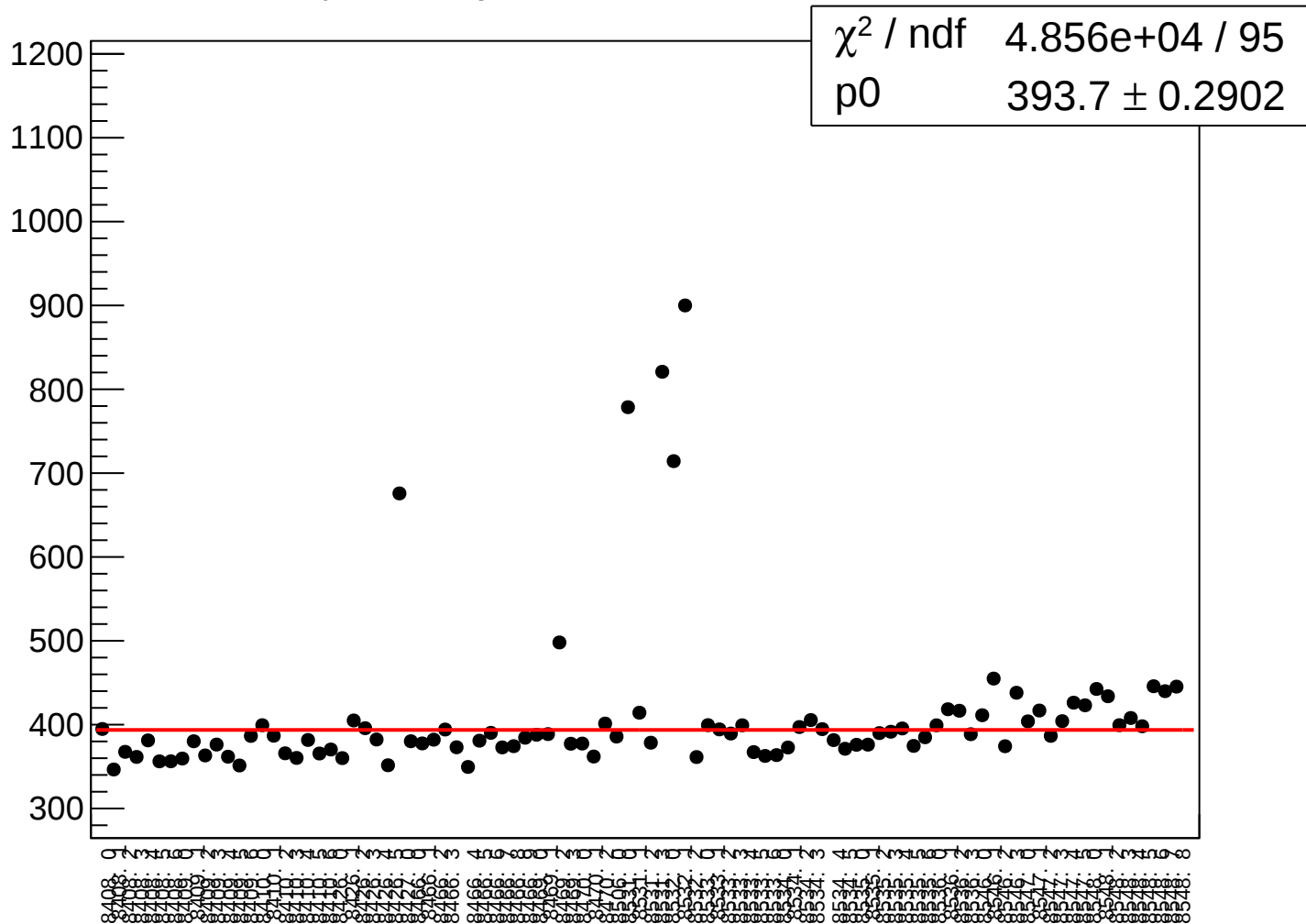
yield_bpm0l03WS_rms vs run



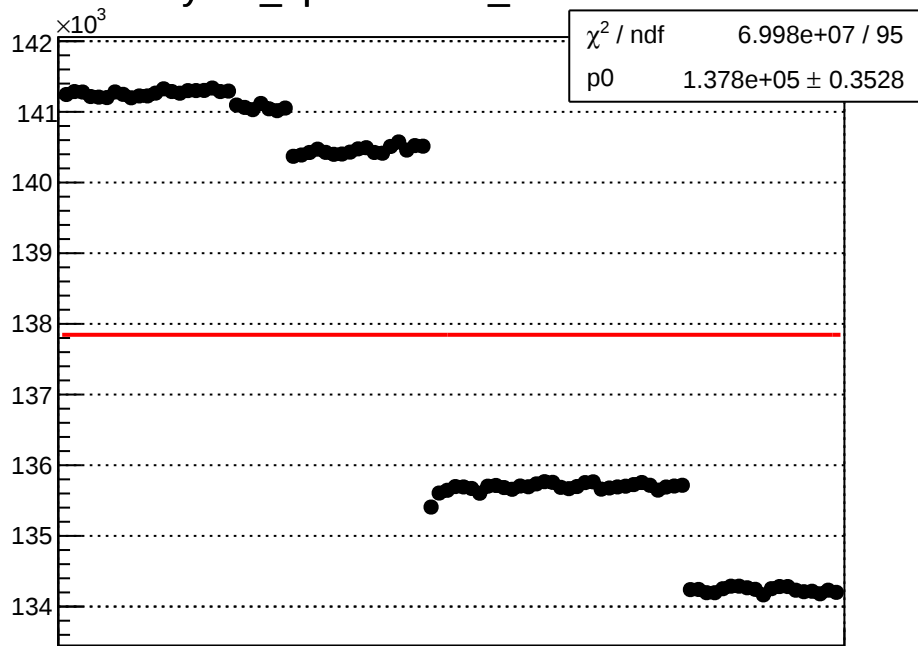
yield_bpm0l04WS_mean vs run



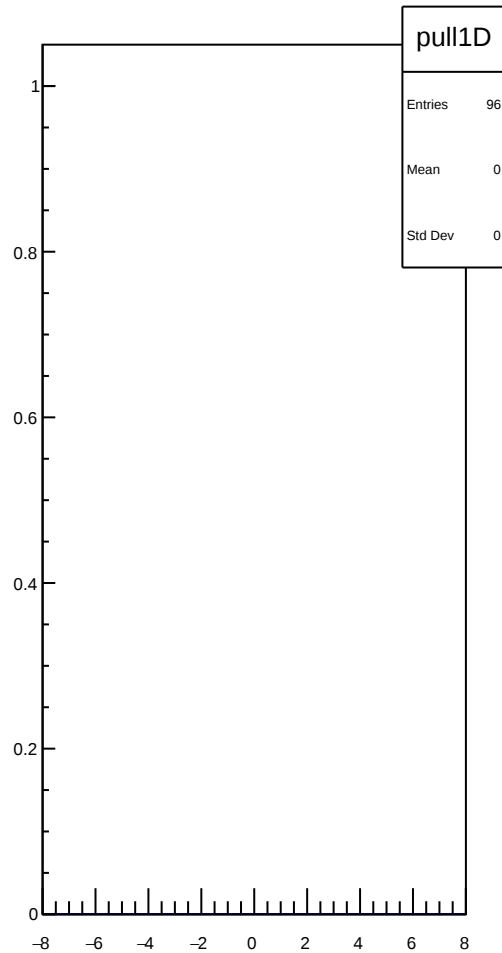
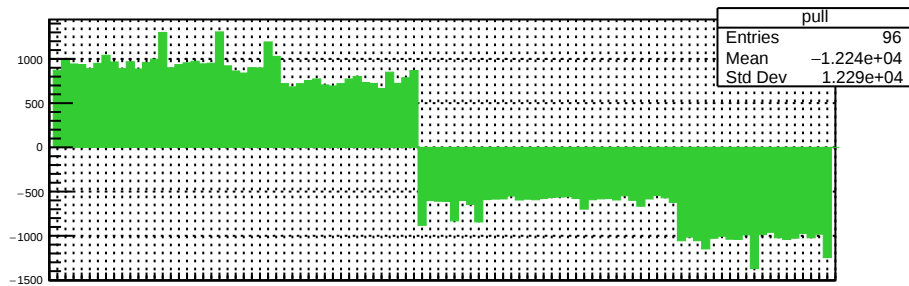
yield_bpm0l04WS_rms vs run



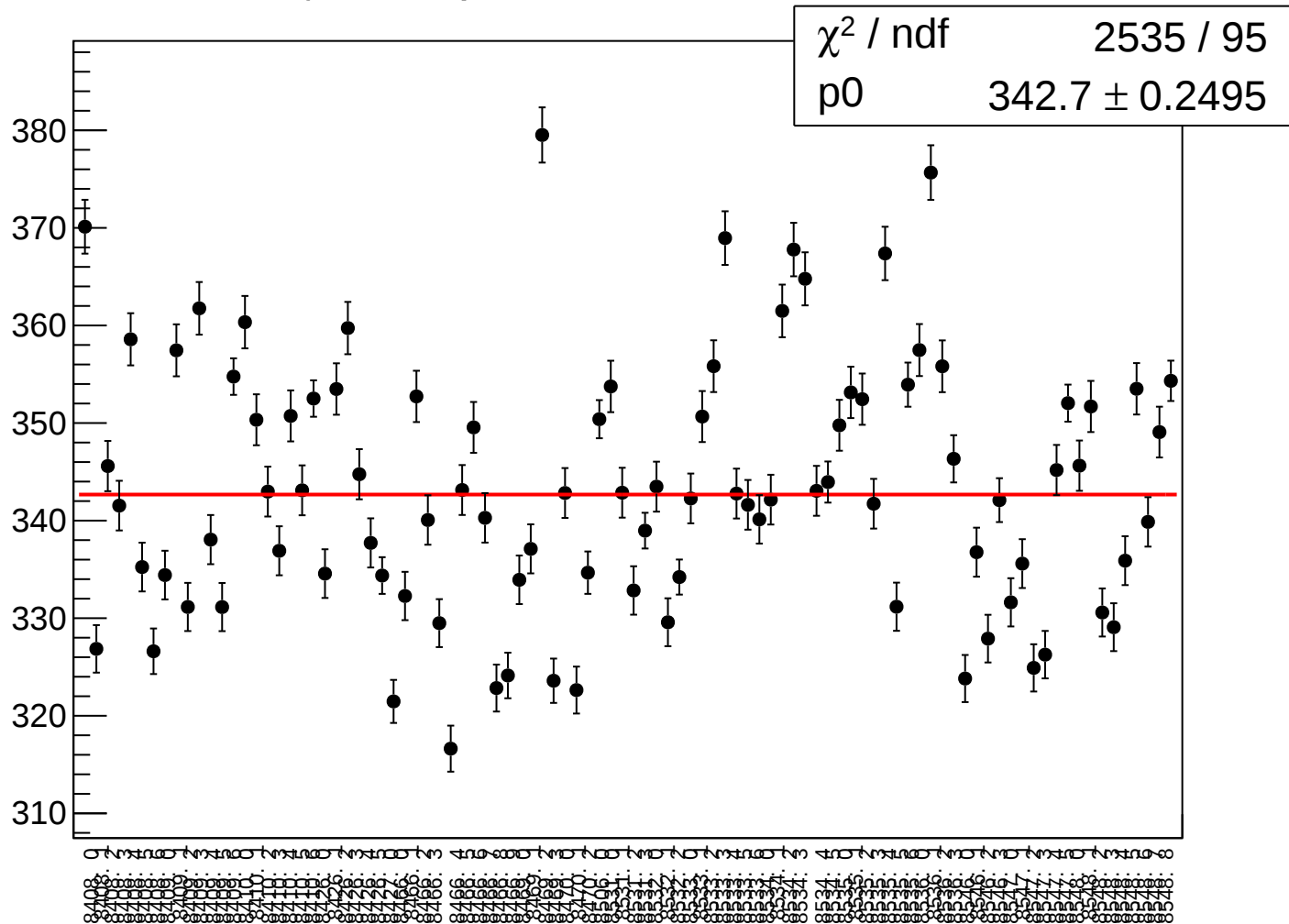
yield_bpm0l05WS_mean vs run



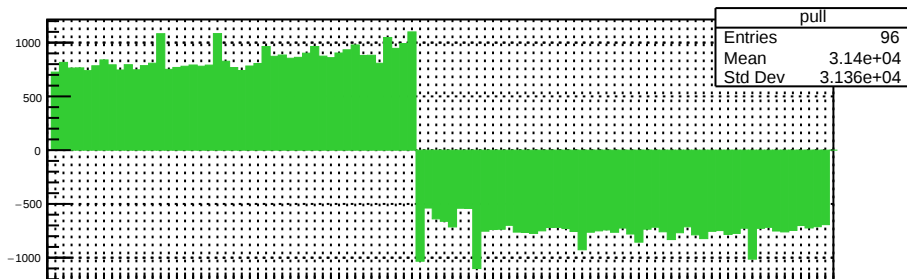
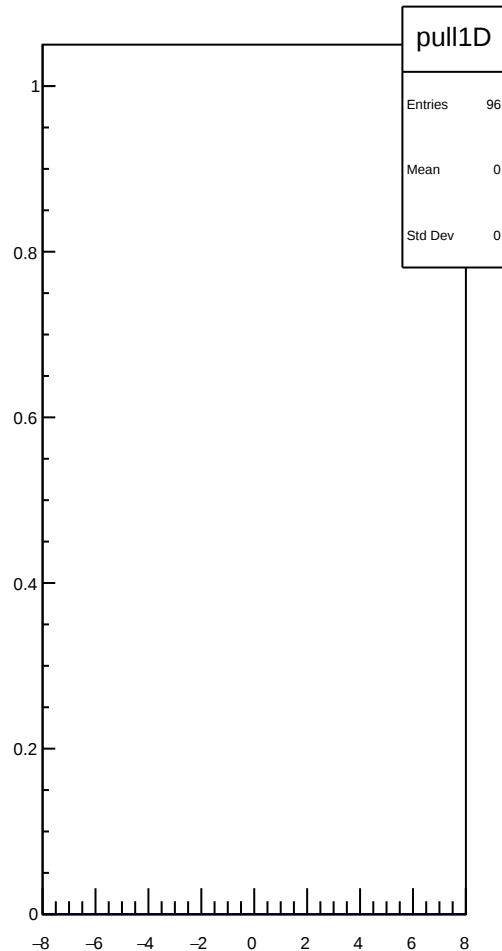
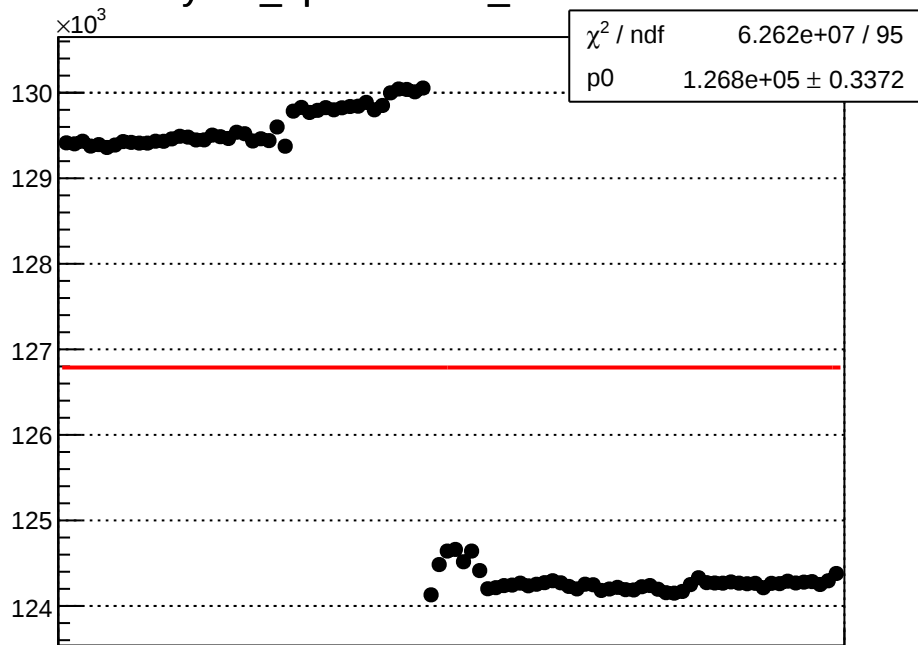
Correlation plot showing the correlation between the mean yield of bpm0l05WS and the run number. The plot shows a strong negative correlation, indicating that the mean yield decreases as the run number increases.



yield_bpm0l05WS_rms vs run



yield_bpm0l06WS_mean vs run



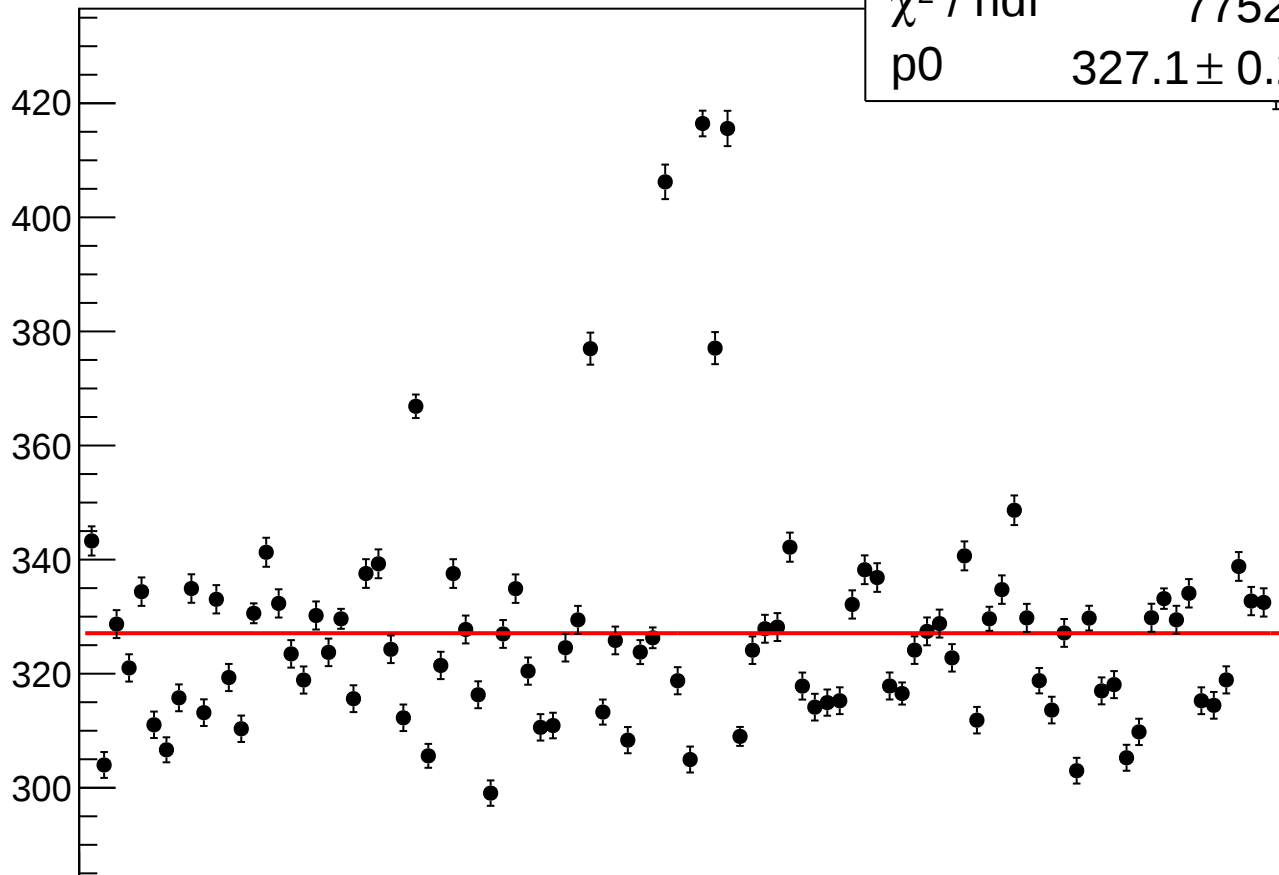
yield_bpm0l06WS_rms vs run

χ^2 / ndf

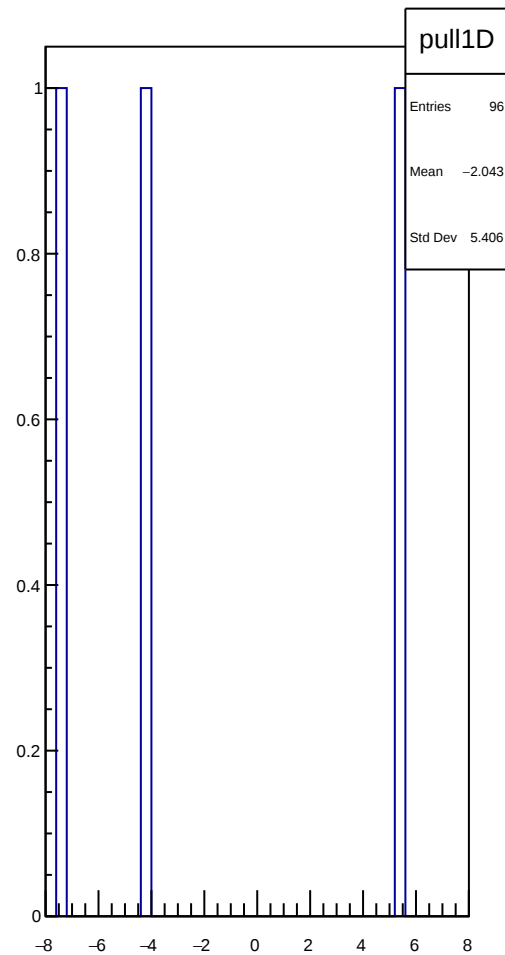
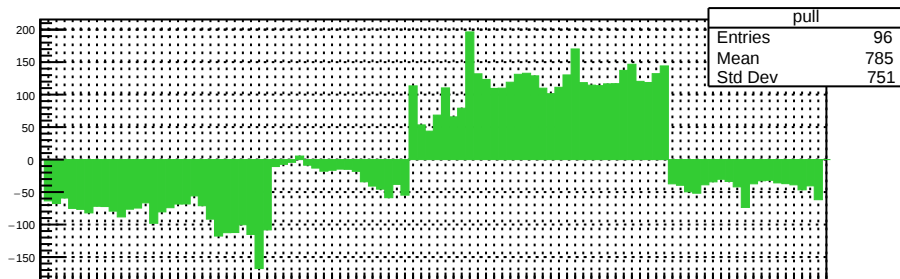
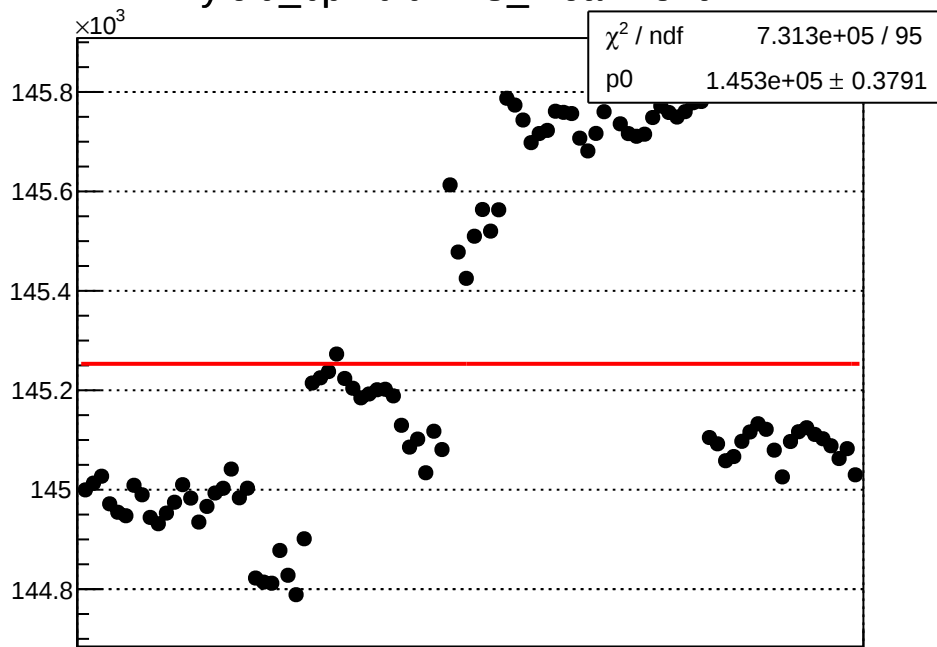
7752 / 95

p0

327.1 ± 0.2384



yield_bpm0l07WS_mean vs run



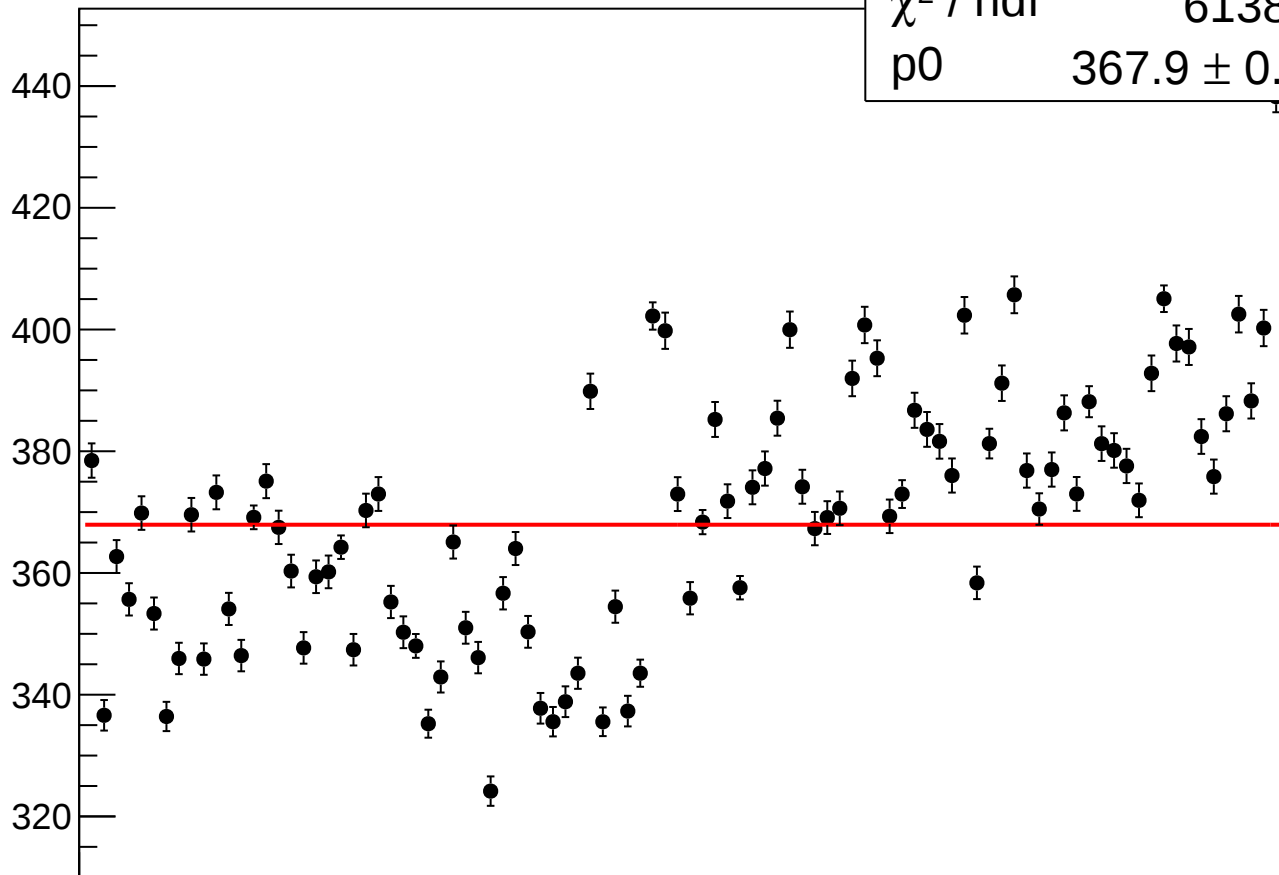
yield_bpm0l07WS_rms vs run

χ^2 / ndf

6138 / 95

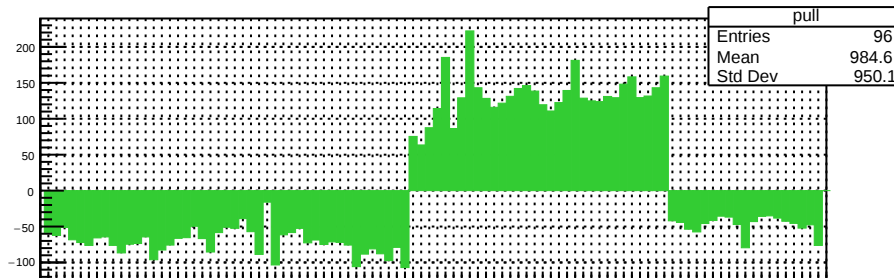
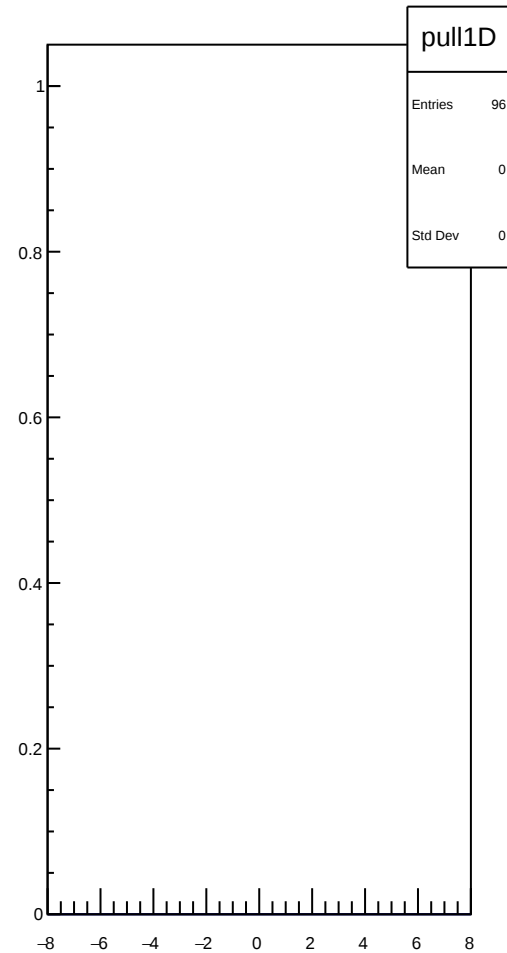
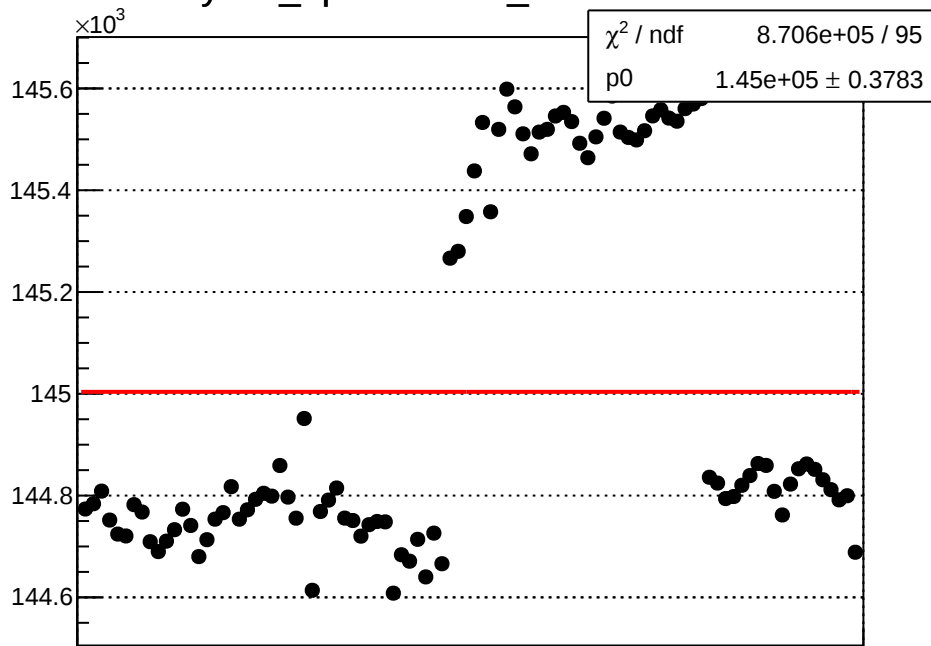
p0

367.9 ± 0.2681

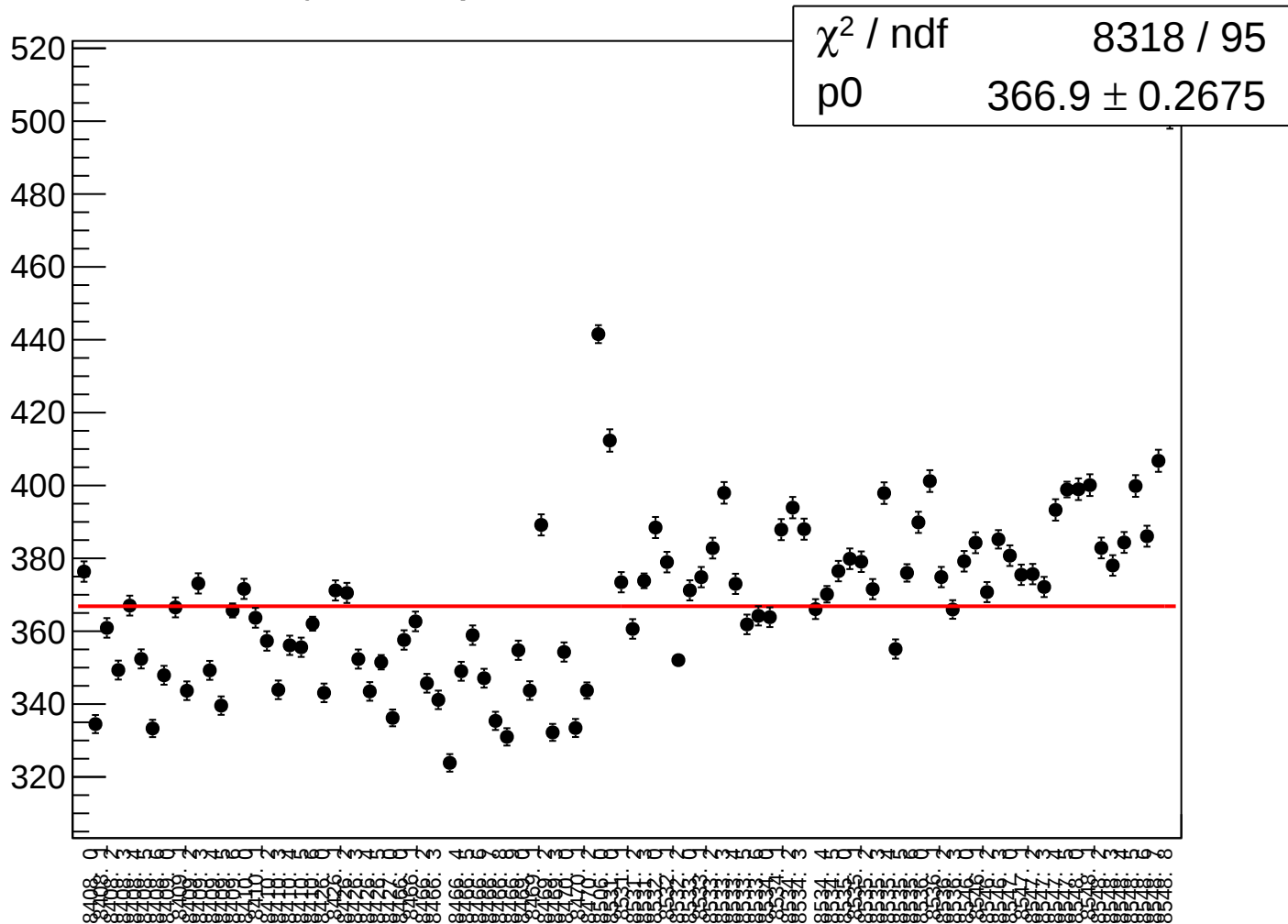


0 10 20 30 40 50 60 70 80 90 100
yield_bpm0l07WS_rms

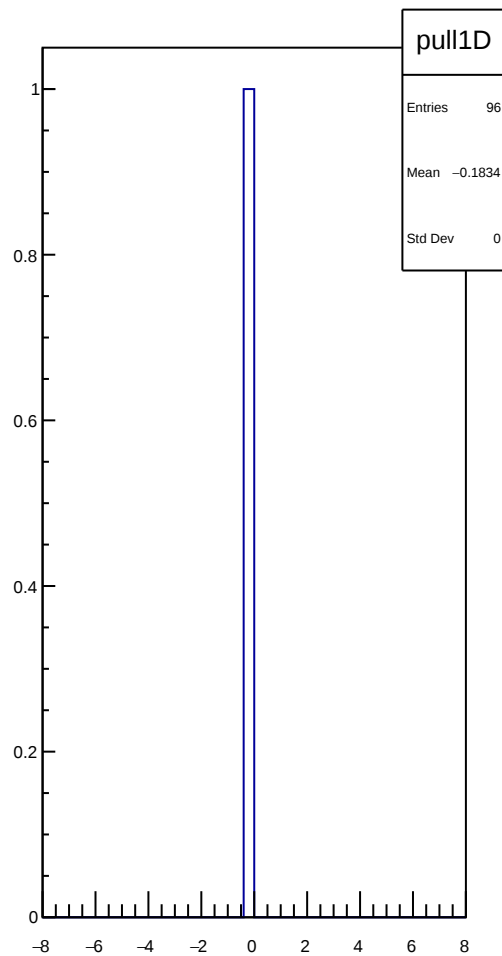
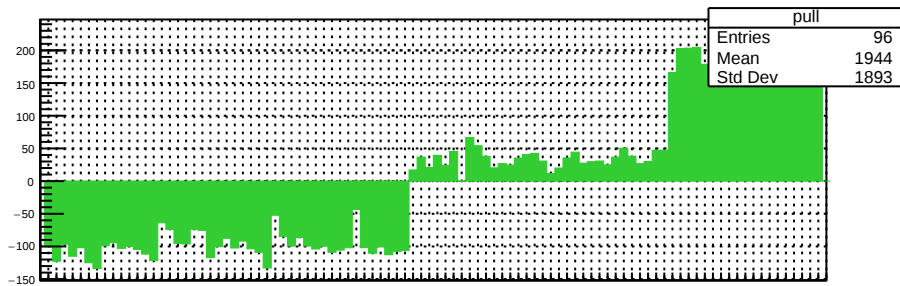
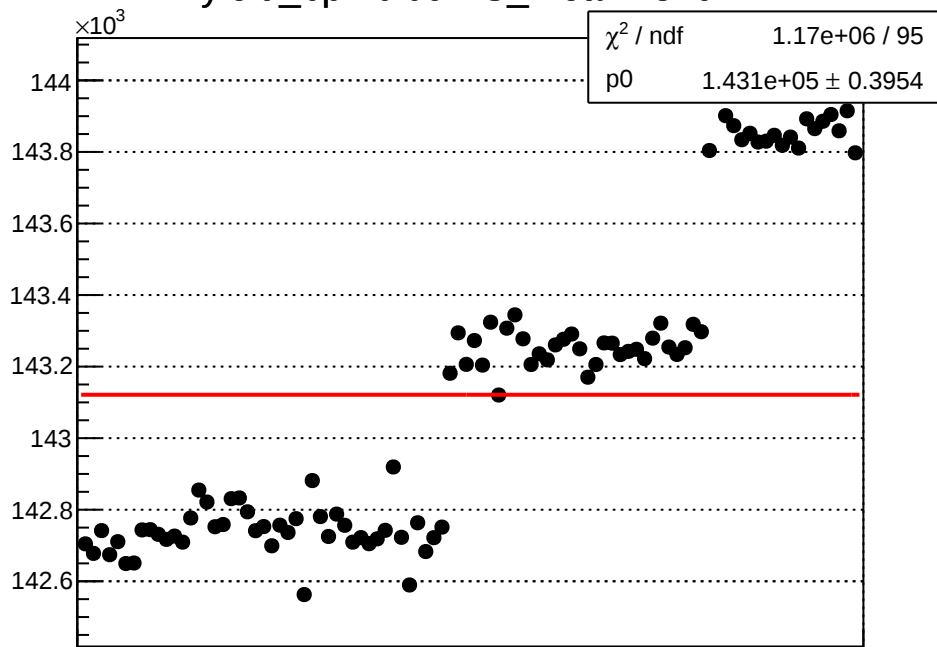
yield_bpm0l08WS_mean vs run



yield_bpm0l08WS_rms vs run



yield_bpm0l09WS_mean vs run



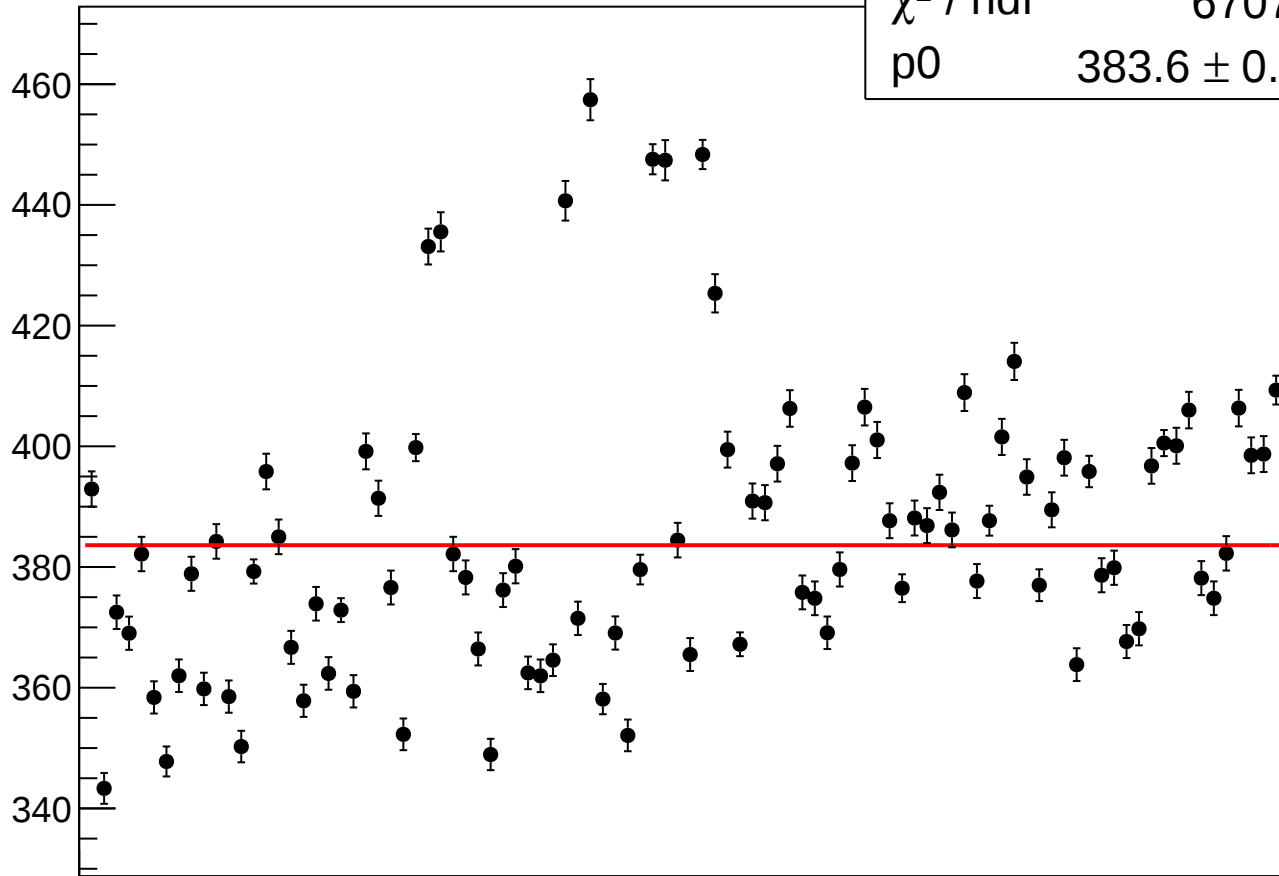
yield_bpm0l09WS_rms vs run

χ^2 / ndf

6707 / 95

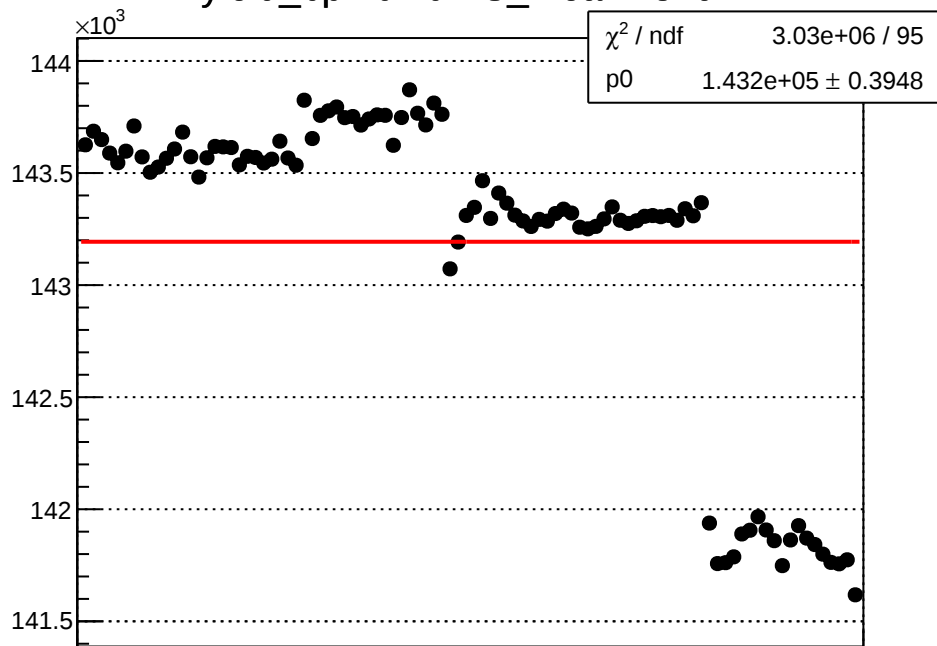
p0

383.6 ± 0.2796

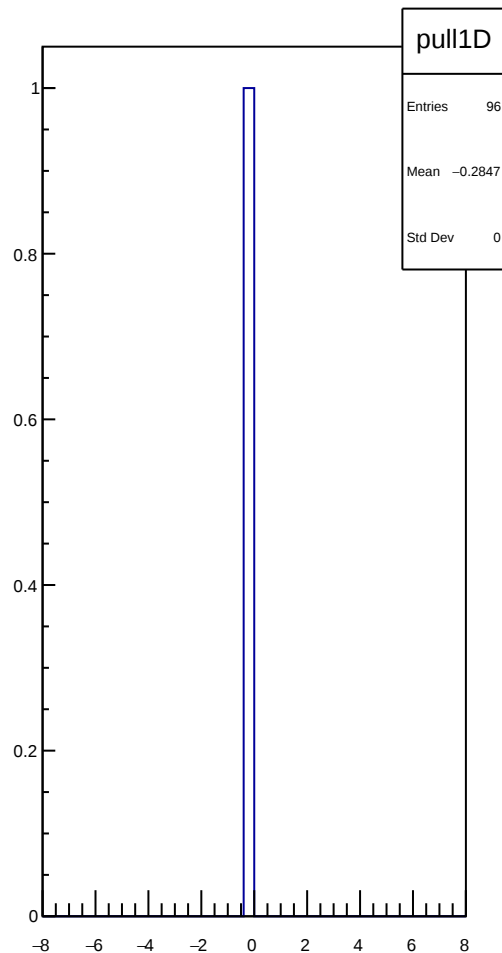
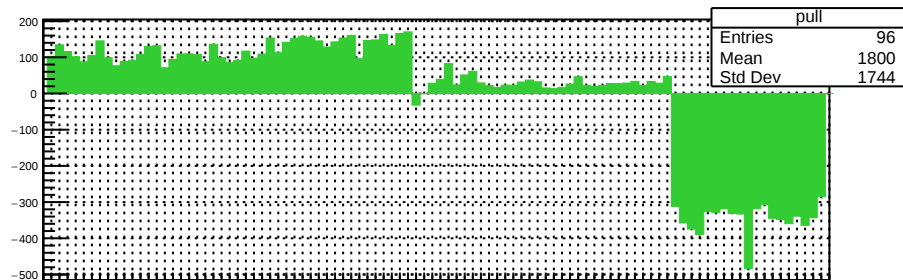


0 10000 20000 30000 40000 50000 60000 70000 80000 90000 100000

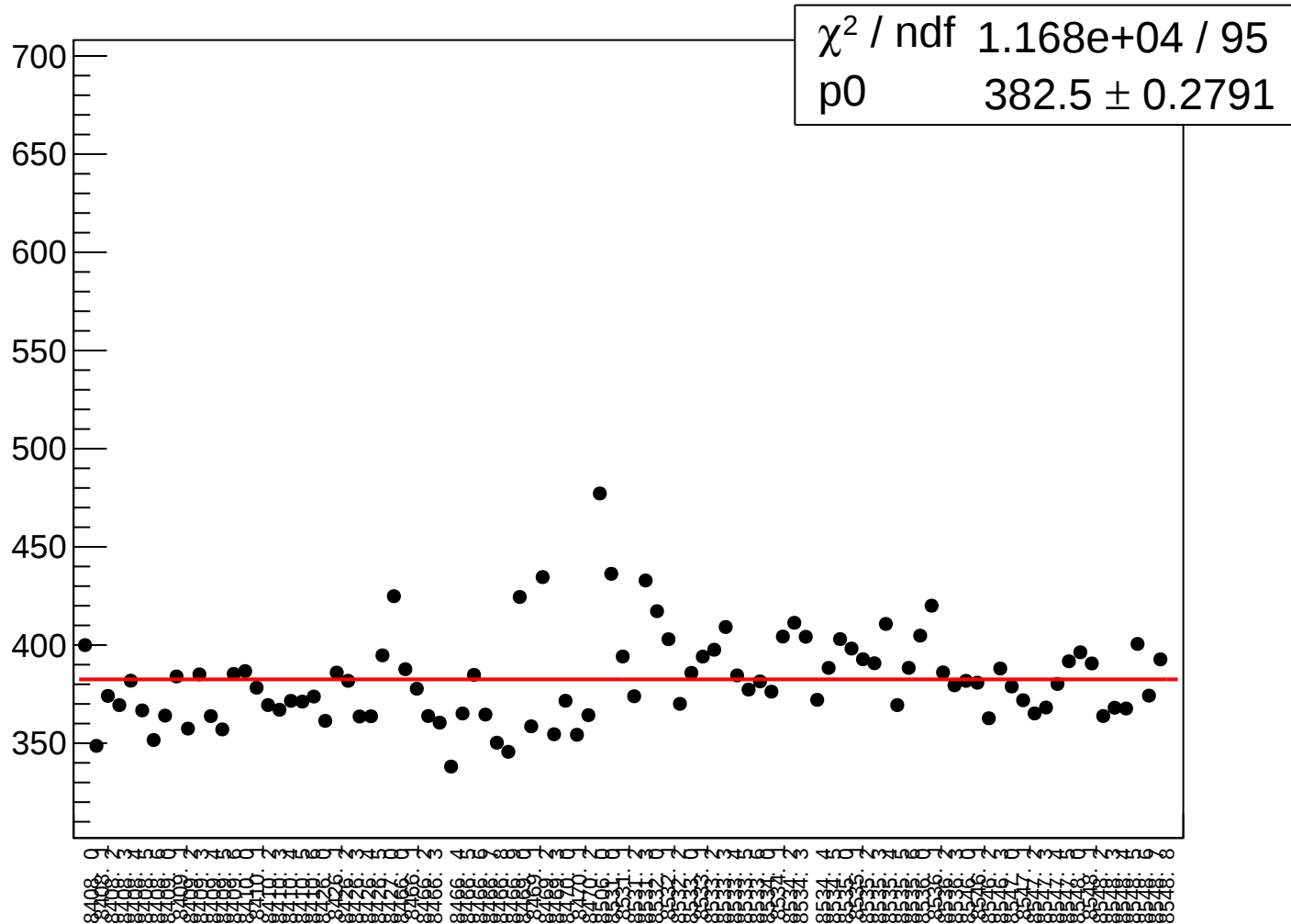
yield_bpm0l10WS_mean vs run



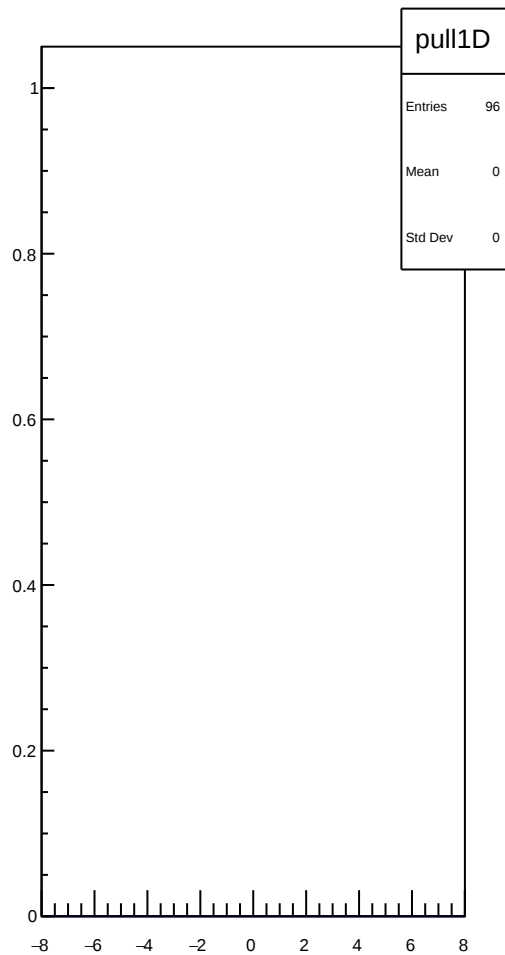
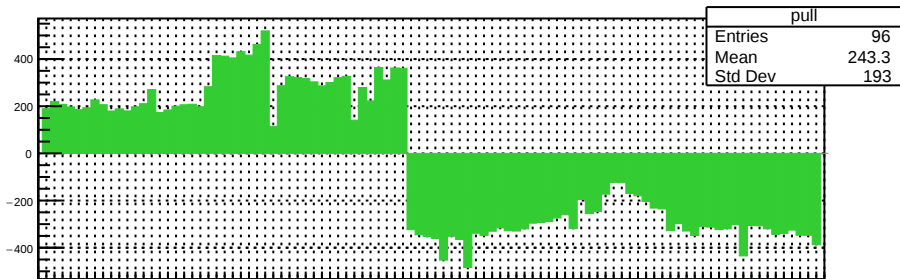
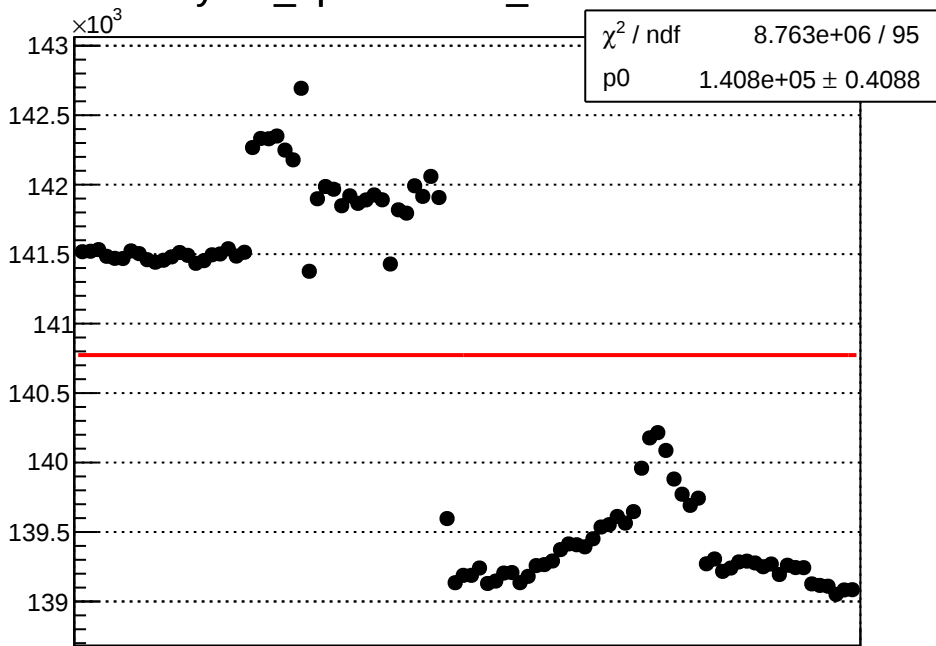
Correlation Coefficient: 0.9999999999999999
 Pearson's R: 0.9999999999999999
 Spearman's R: 0.9999999999999999
 Kendall's Tau: 0.9999999999999999
 Linear Regression: 1.432e+05 $\pm$ 0.3948
 Non-linear Regression: 1.432e+05 $\pm$ 0.3948
 Logistic Regression: 1.432e+05 $\pm$ 0.3948
 Decision Tree: 1.432e+05 $\pm$ 0.3948
 Random Forest: 1.432e+05 $\pm$ 0.3948
 Support Vector Machine: 1.432e+05 $\pm$ 0.3948
 Neural Network: 1.432e+05 $\pm$ 0.3948
 Gaussian Process: 1.432e+05 $\pm$ 0.3948
 Boosting: 1.432e+05 $\pm$ 0.3948
 Ensemble: 1.432e+05 $\pm$ 0.3948
 Stochastic Gradient Descent: 1.432e+05 $\pm$ 0.3948
 Genetic Algorithm: 1.432e+05 $\pm$ 0.3948
 Simulated Annealing: 1.432e+05 $\pm$ 0.3948
 Tabu Search: 1.432e+05 $\pm$ 0.3948
 Particle Swarm Optimization: 1.432e+05 $\pm$ 0.3948
 Differential Evolution: 1.432e+05 $\pm$ 0.3948
 Genetic Programming: 1.432e+05 $\pm$ 0.3948
 Evolutionary Algorithms: 1.432e+05 $\pm$ 0.3948
 Metaheuristic Algorithms: 1.432e+05 $\pm$ 0.3948
 Swarm Intelligence: 1.432e+05 $\pm$ 0.3948
 Evolutionary Computation: 1.432e+05 $\pm$ 0.3948
 Artificial Intelligence: 1.432e+05 $\pm$ 0.3948
 Machine Learning: 1.432e+05 $\pm$ 0.3948
 Data Mining: 1.432e+05 $\pm$ 0.3948
 Statistical Analysis: 1.432e+05 $\pm$ 0.3948
 Mathematical Modeling: 1.432e+05 $\pm$ 0.3948
 Numerical Analysis: 1.432e+05 $\pm$ 0.3948
 Optimization: 1.432e+05 $\pm$ 0.3948
 Simulation: 1.432e+05 $\pm$ 0.3948
 Modeling: 1.432e+05 $\pm$ 0.3948
 Analysis: 1.432e+05 $\pm$ 0.3948
 Interpretation: 1.432e+05 $\pm$ 0.3948
 Conclusion: 1.432e+05 $\pm$ 0.3948
 Summary: 1.432e+05 $\pm$ 0.3948
 Final Result: 1.432e+05 $\pm$ 0.3948



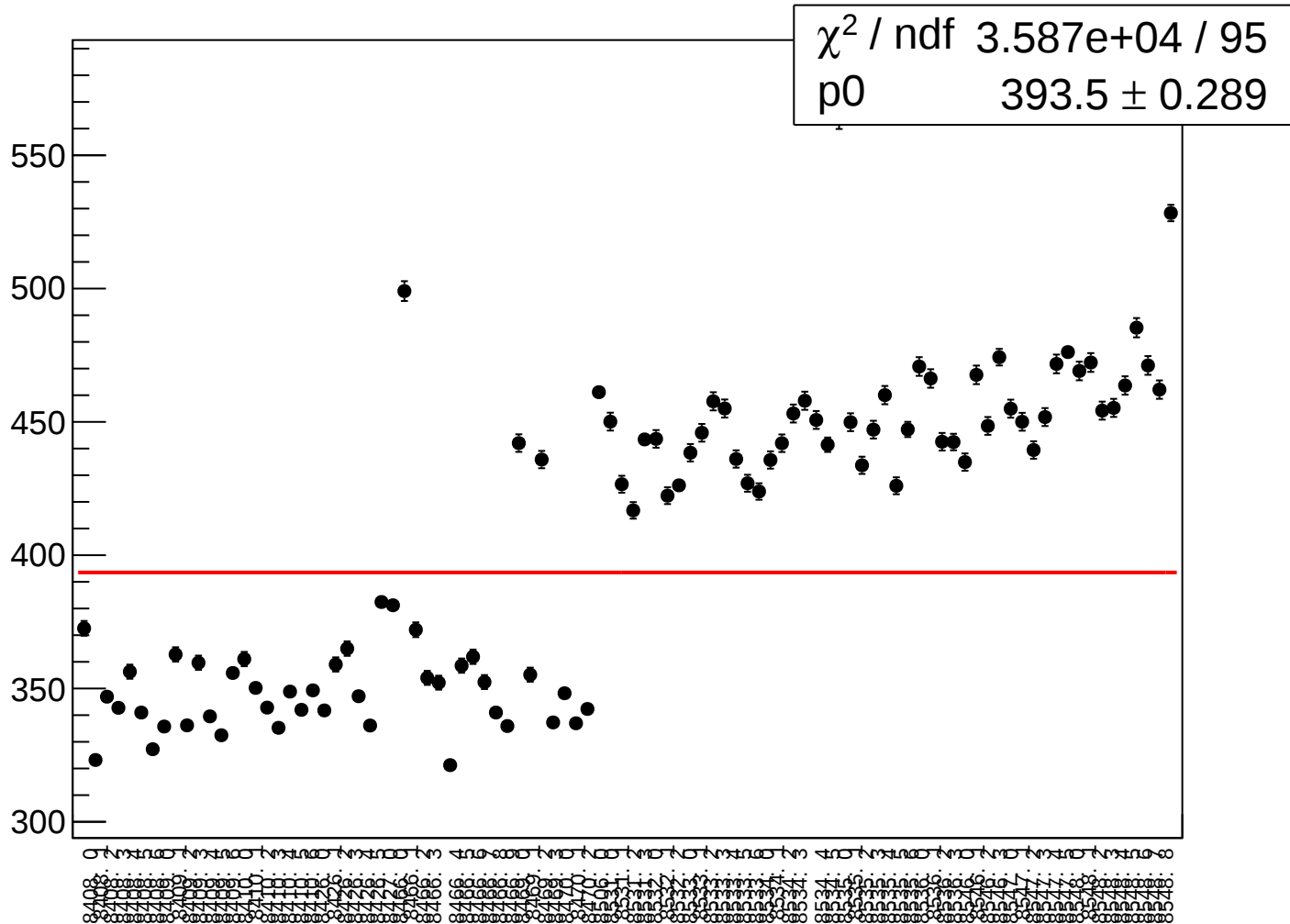
yield_bpm0l10WS_rms vs run



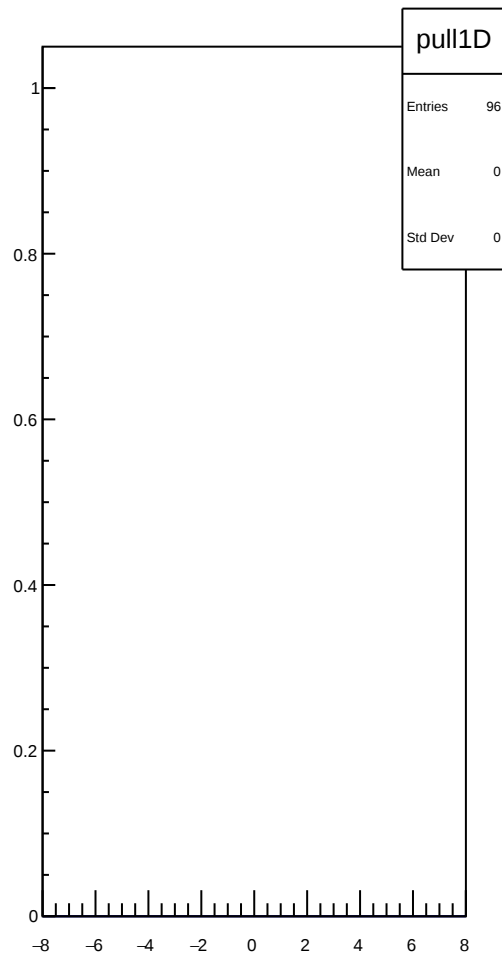
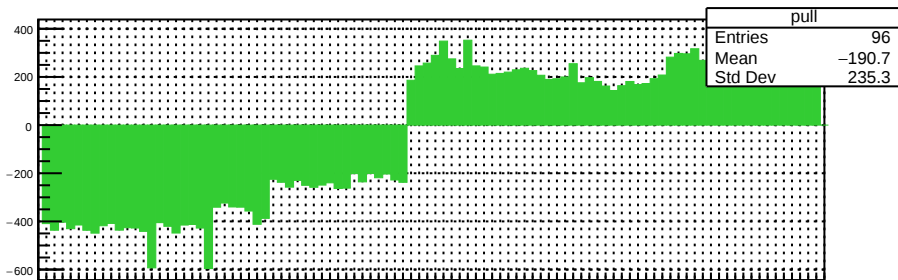
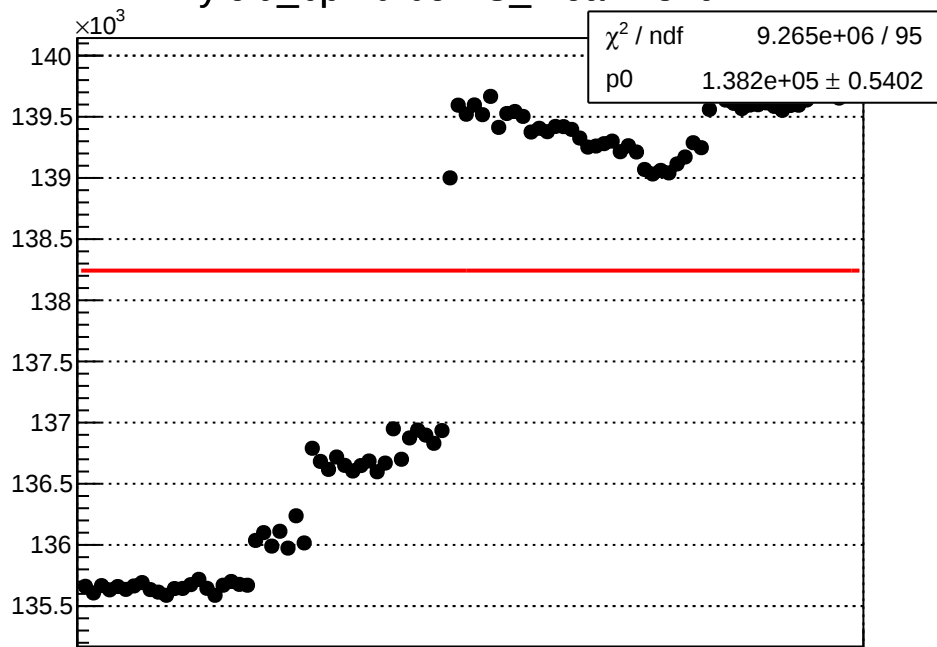
yield_bpm0r03WS_mean vs run



yield_bpm0r03WS_rms vs run



yield_bpm0r05WS_mean vs run



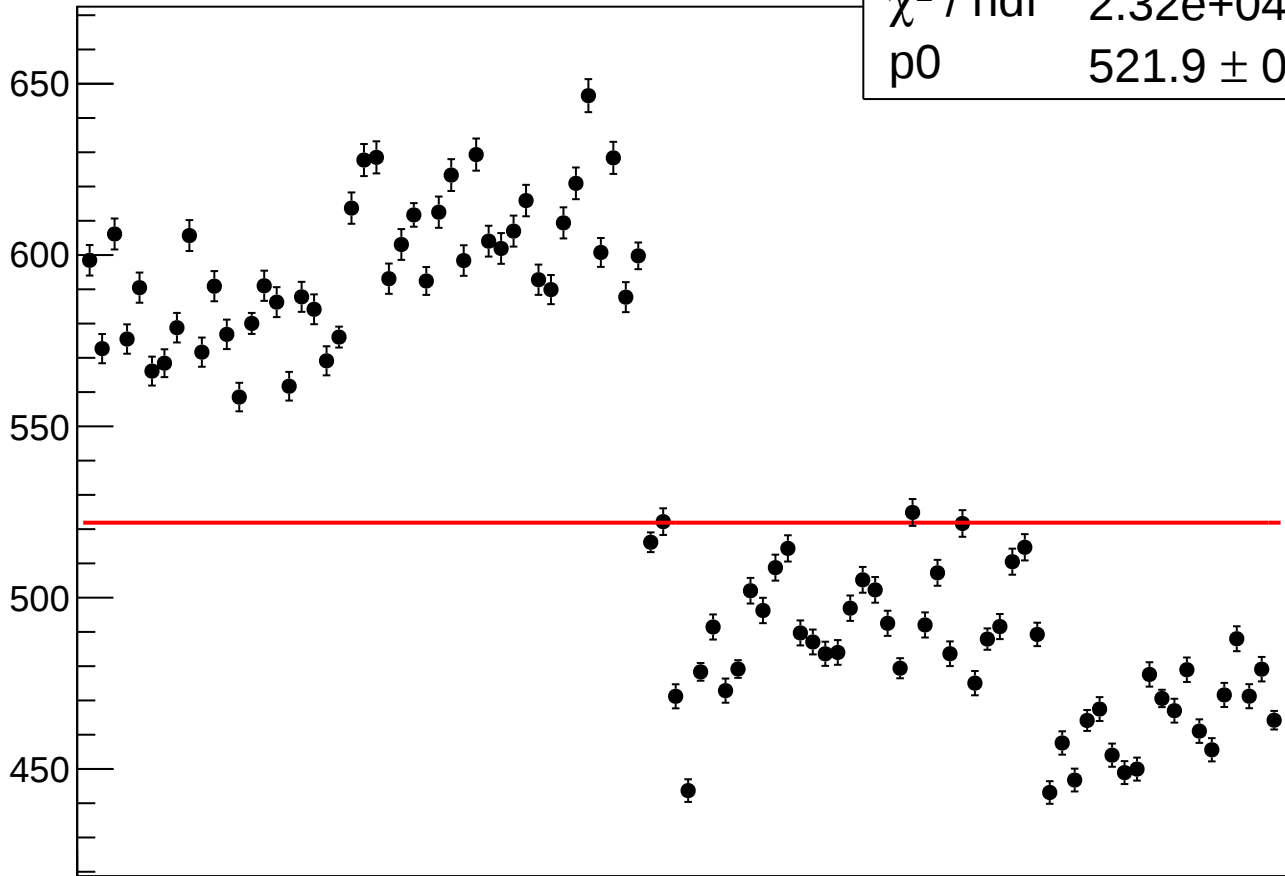
yield_bpm0r05WS_rms vs run

χ^2 / ndf

2.32e+04 / 95

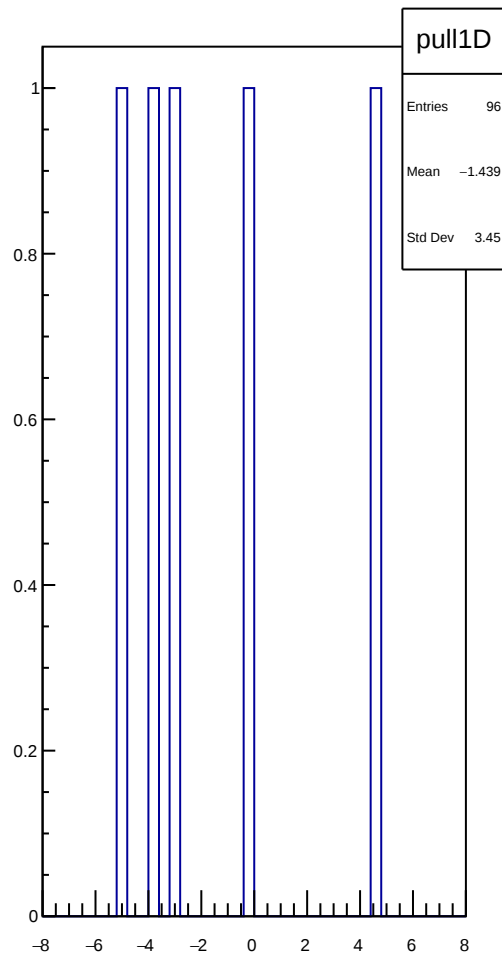
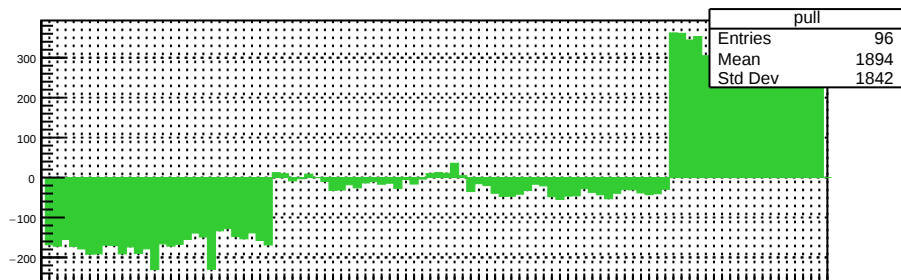
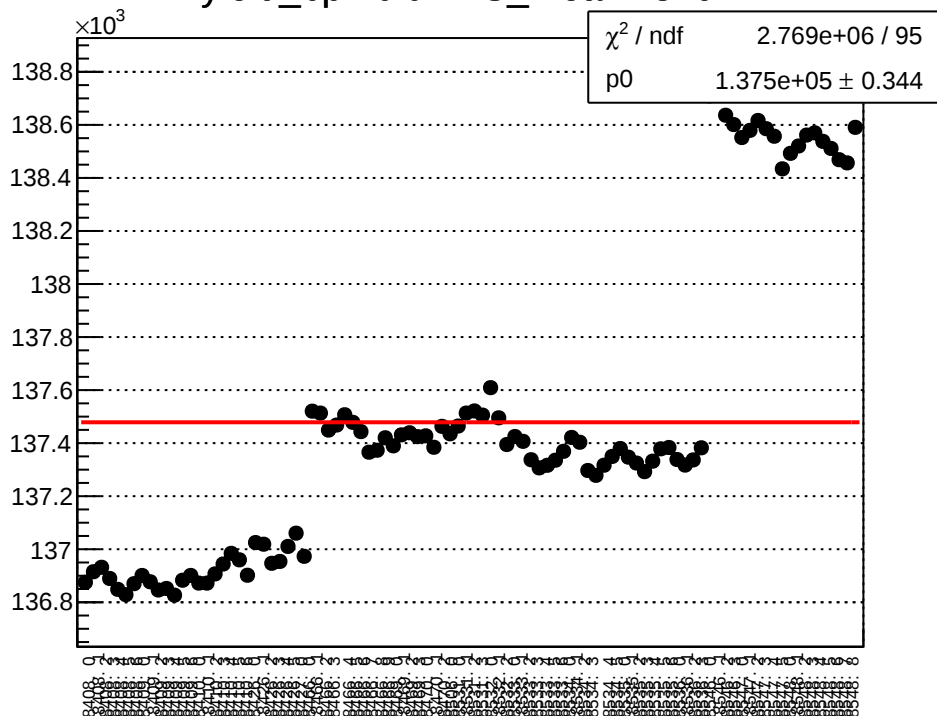
p0

521.9 $\pm$ 0.382

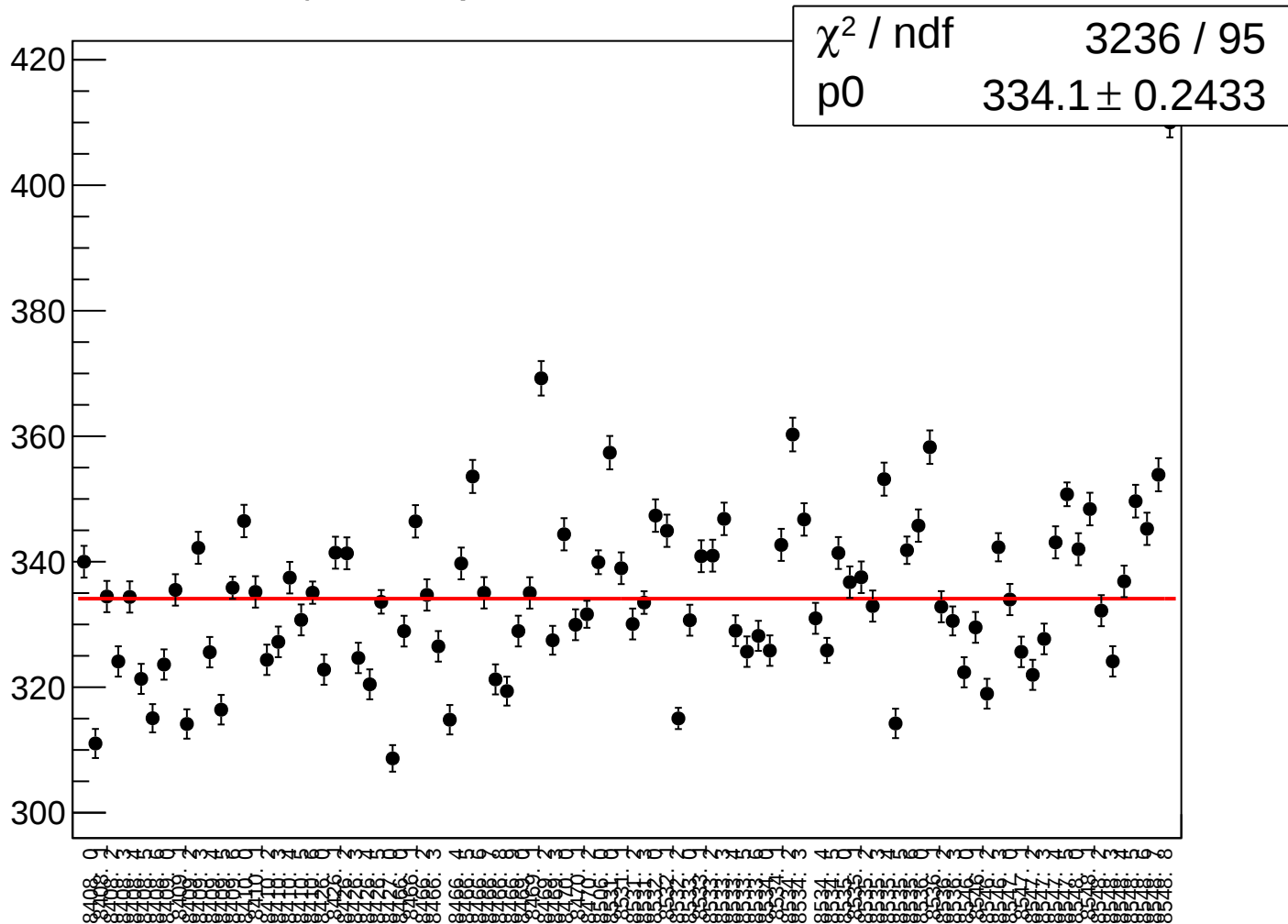


run

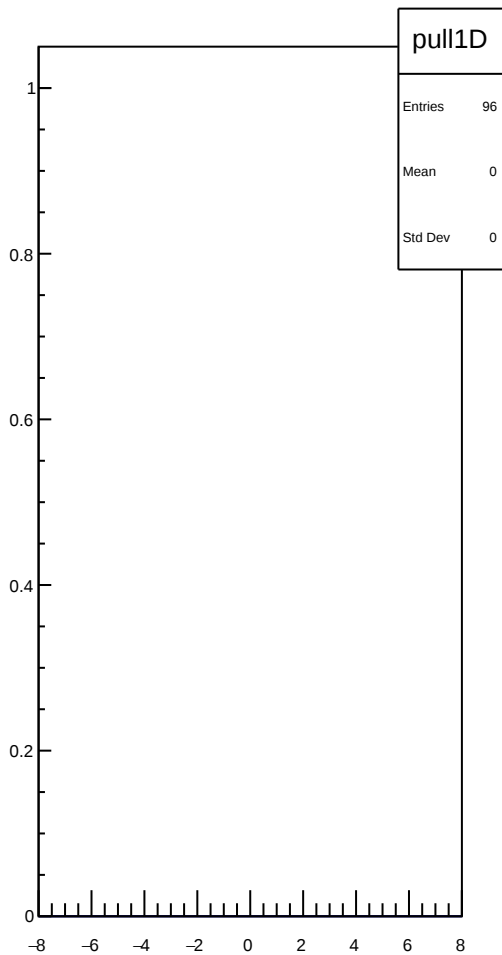
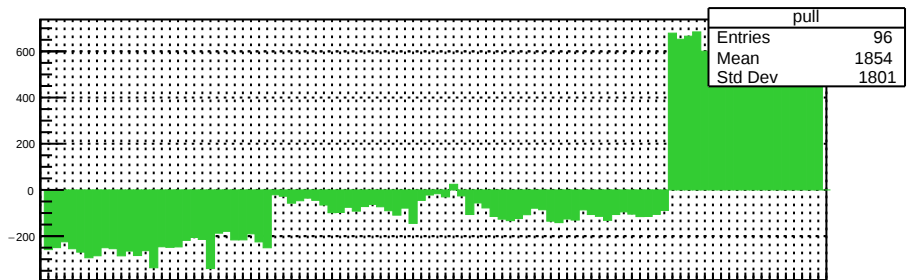
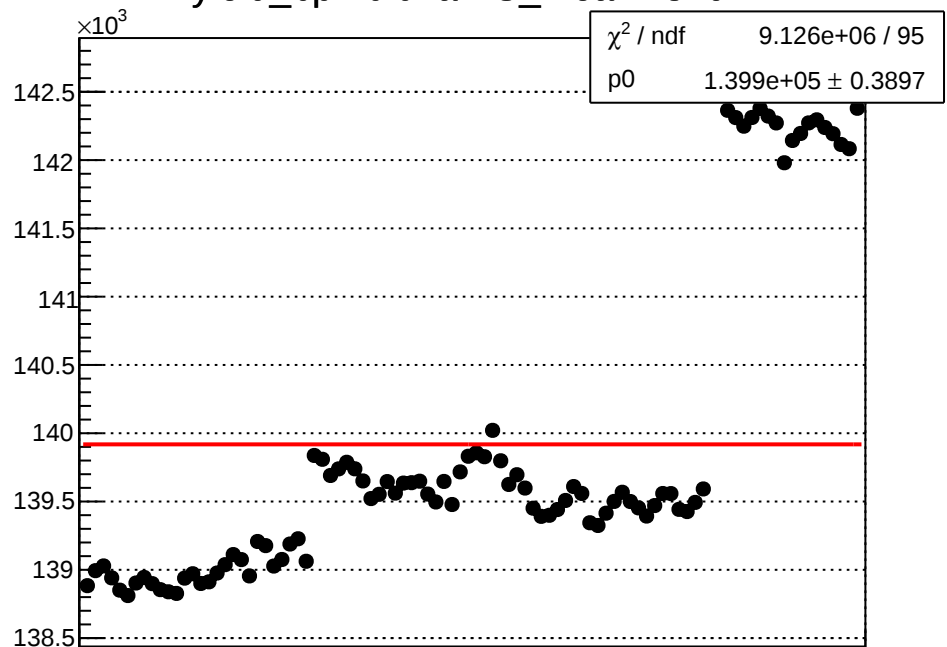
yield_bpm0i02WS_mean vs run



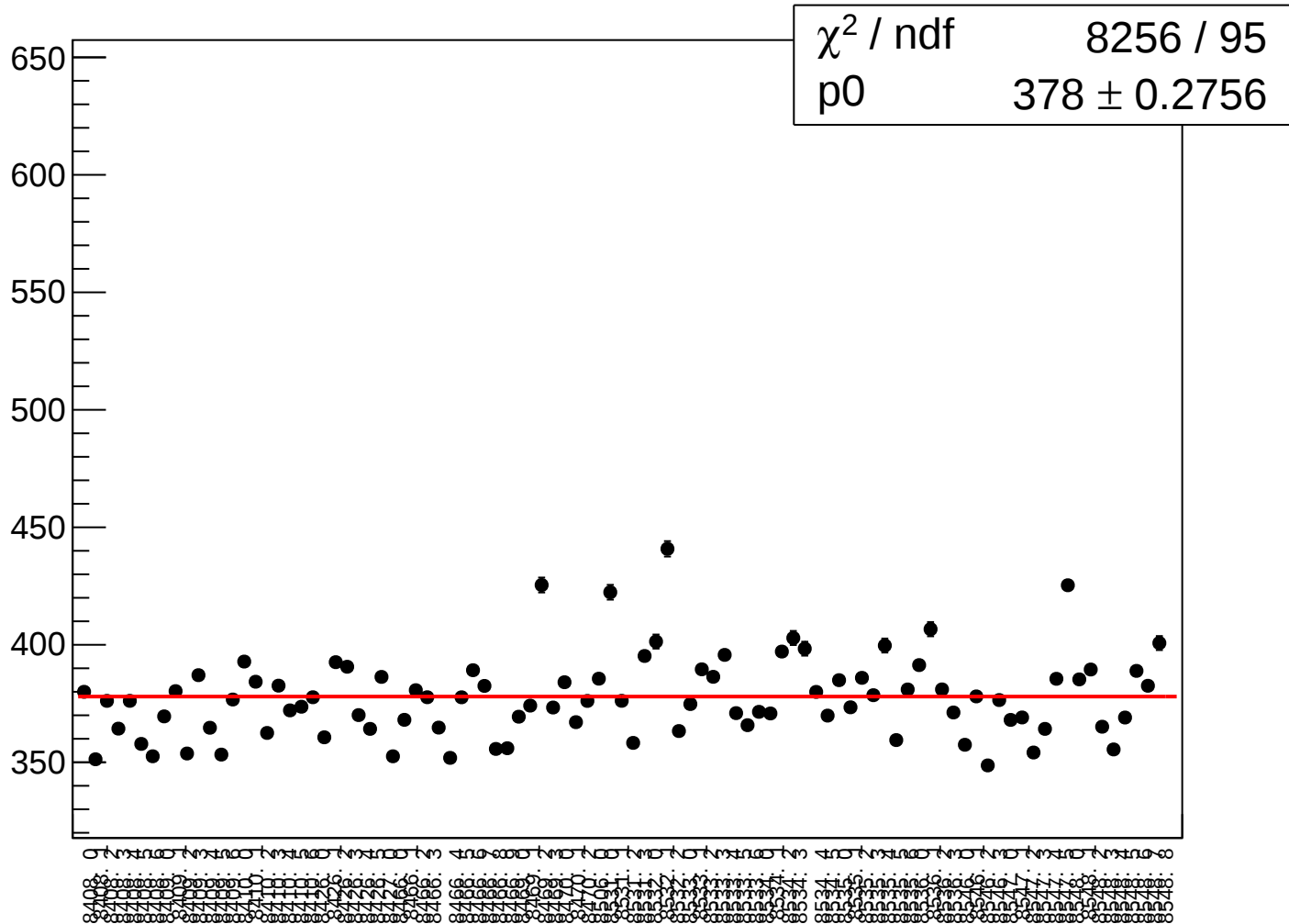
yield_bpm0i02WS_rms vs run



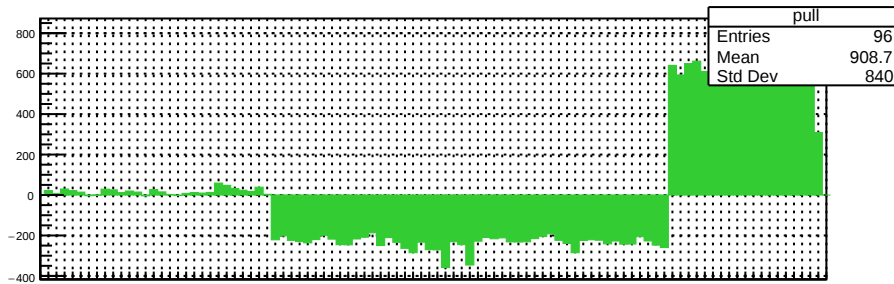
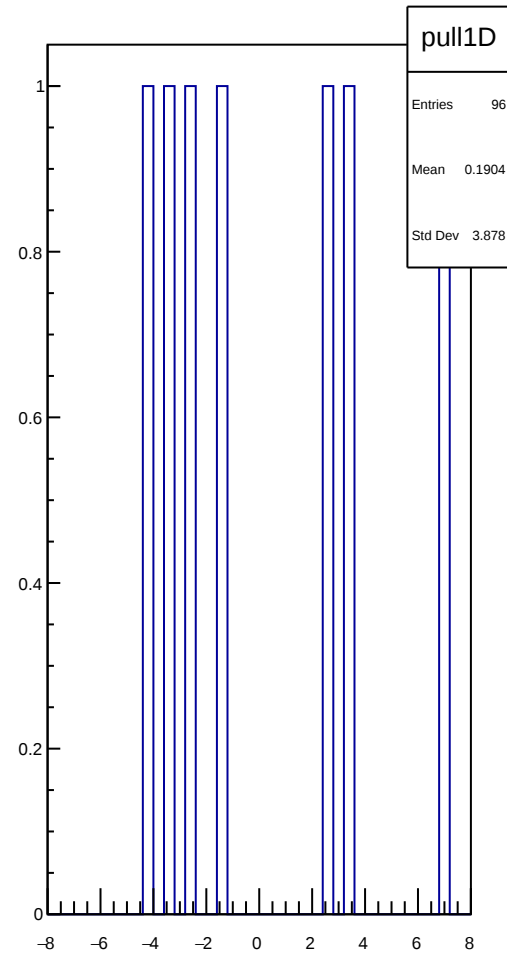
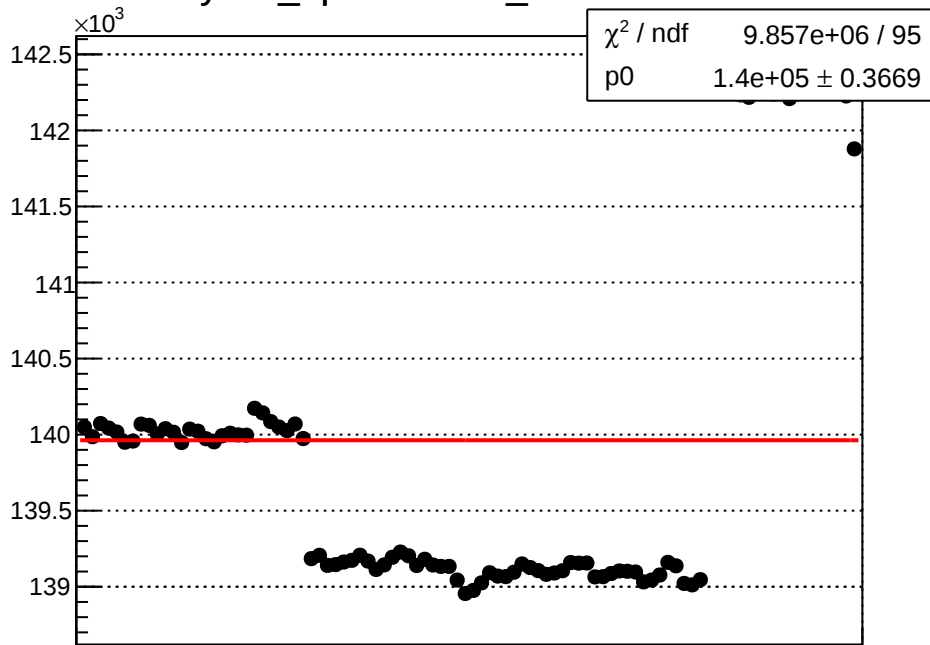
yield_bpm0i02aWS_mean vs run



yield_bpm0i02aWS_rms vs run

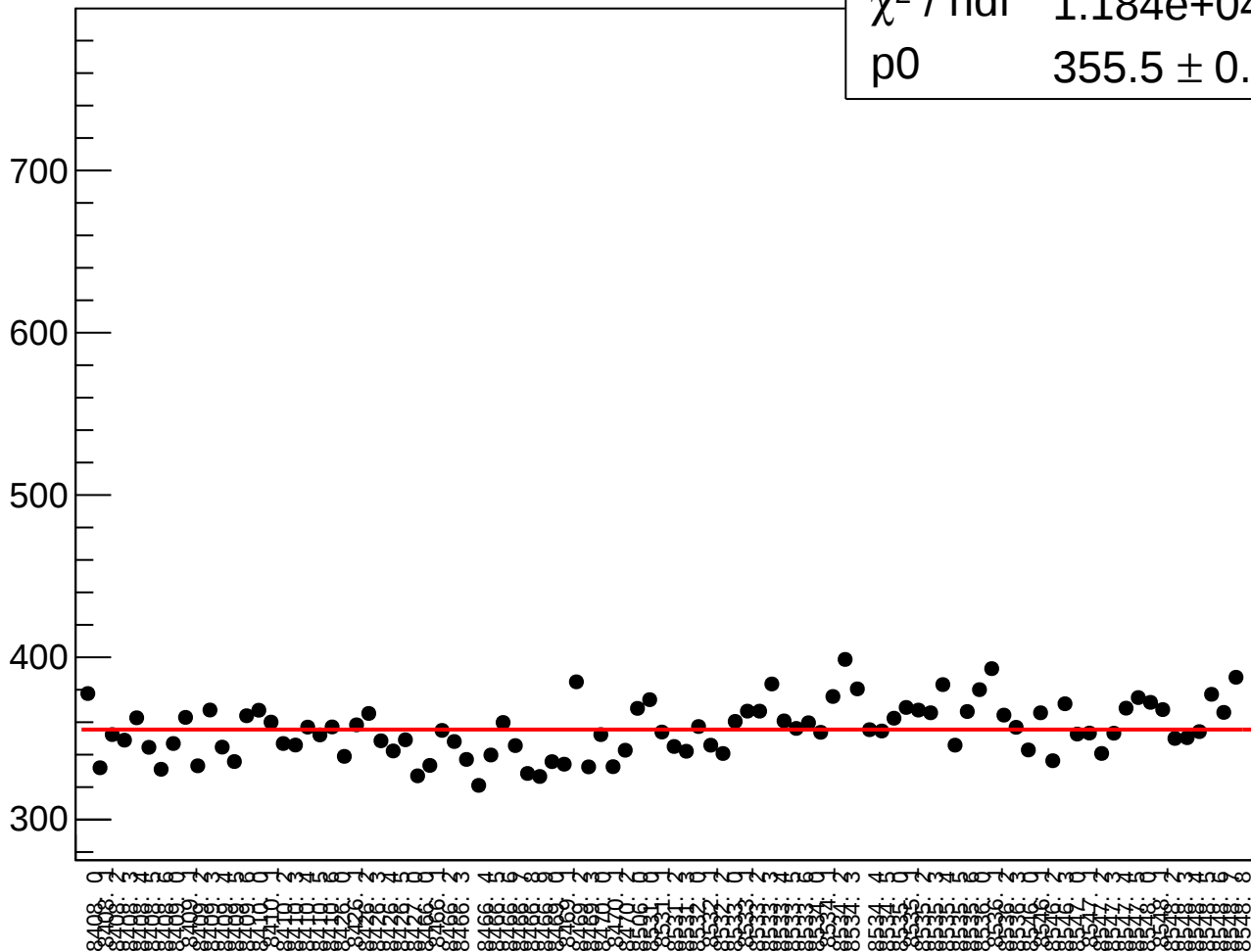


yield_bpm0i05WS_mean vs run

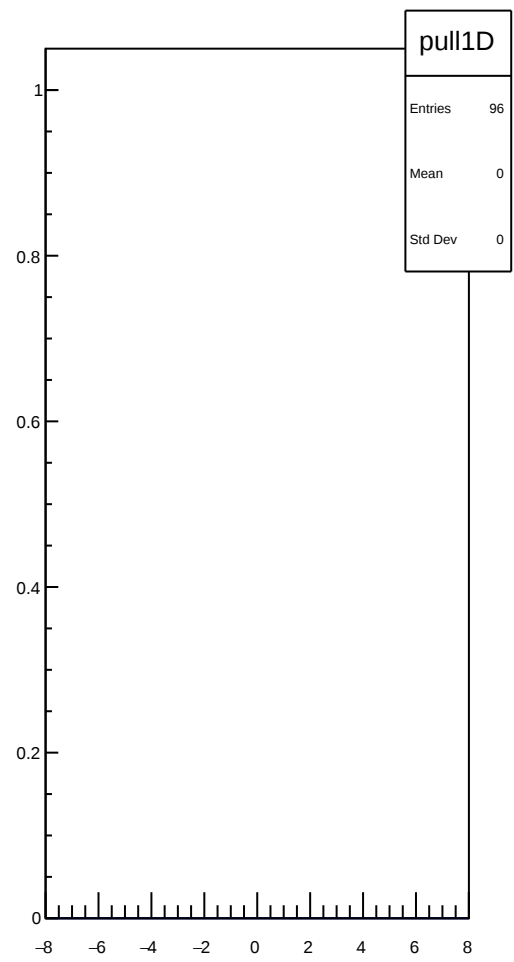
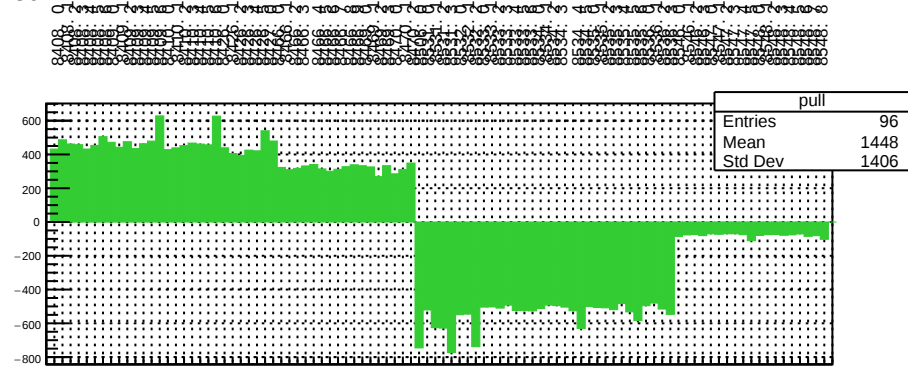
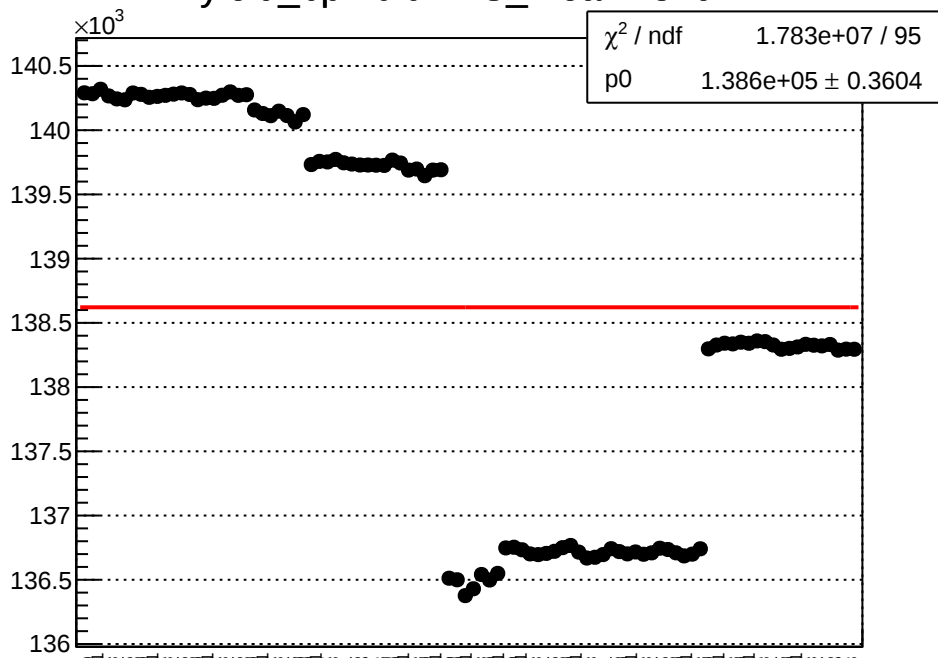


yield_bpm0i05WS_rms vs run

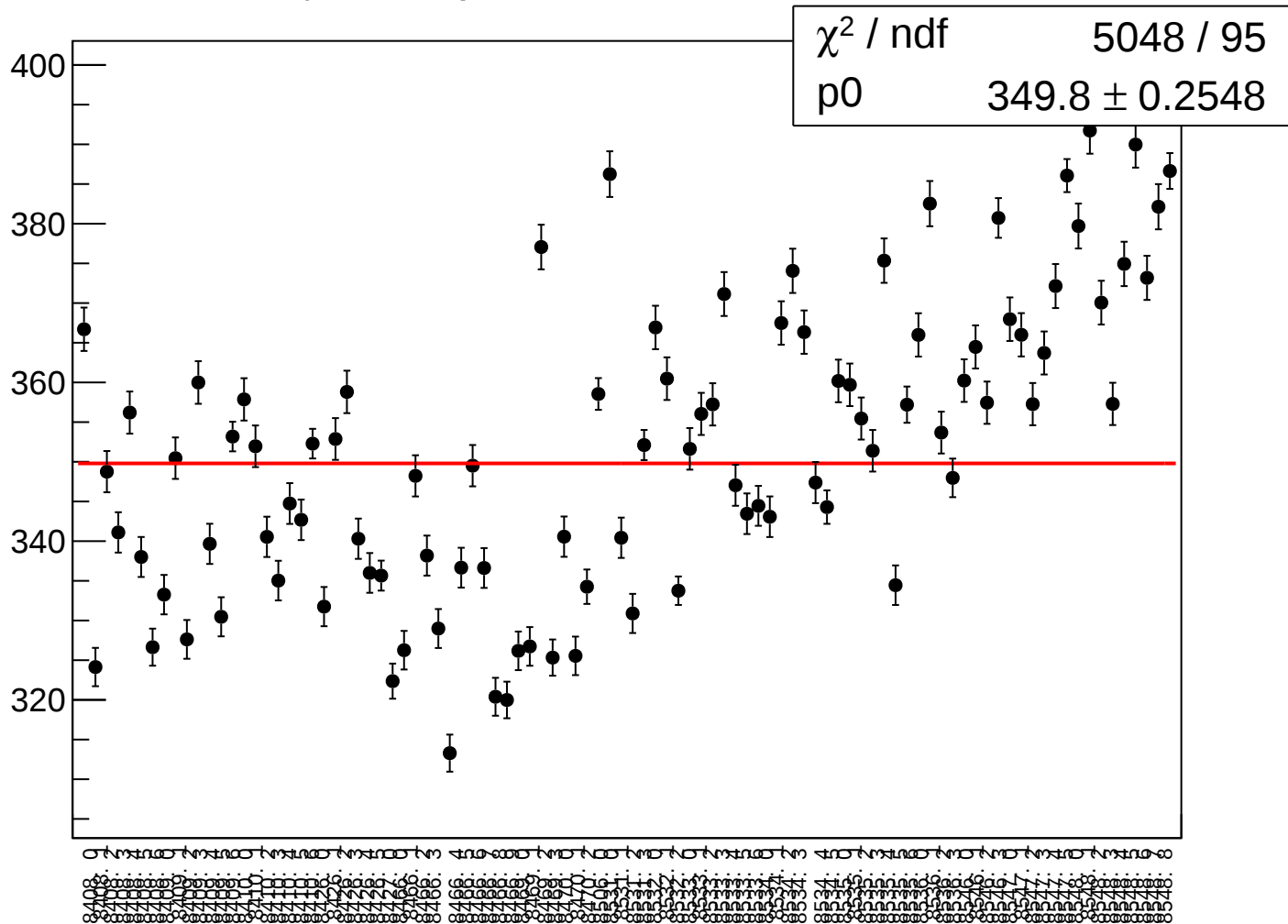
χ^2 / ndf	1.184e+04 / 95
p0	355.5 $\pm$ 0.2594



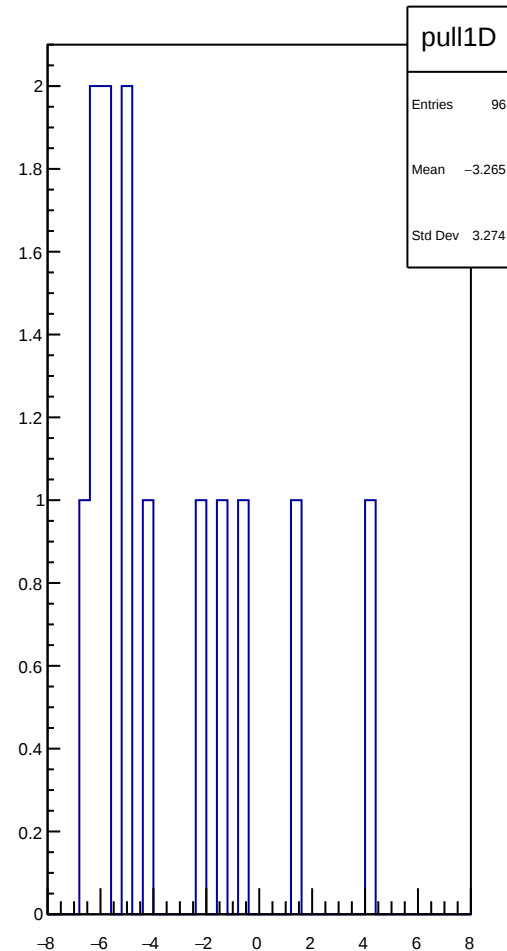
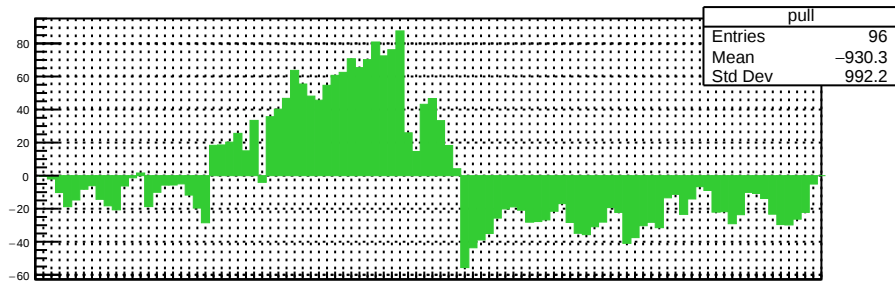
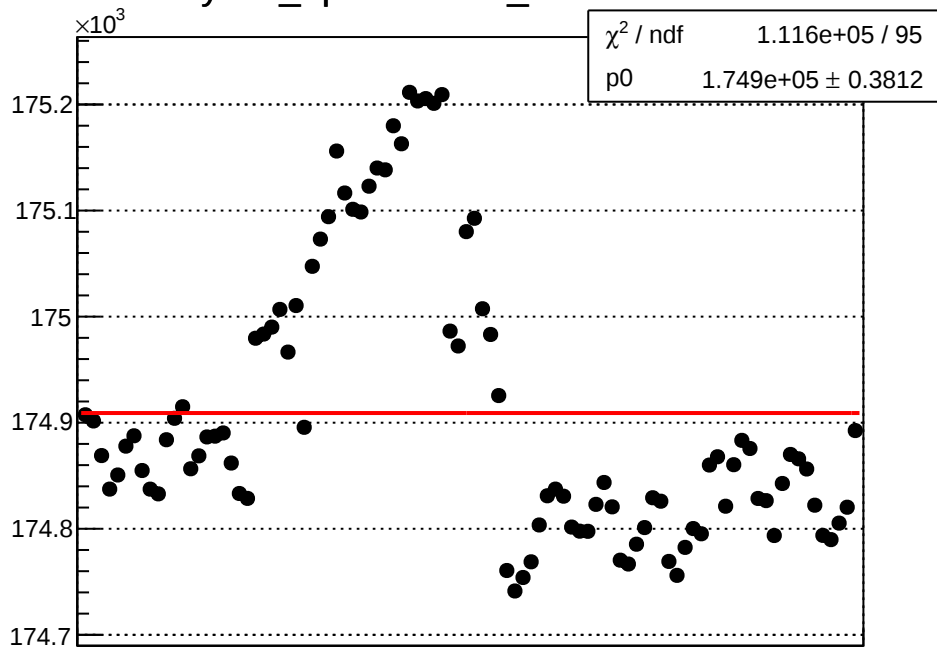
yield_bpm0i07WS_mean vs run



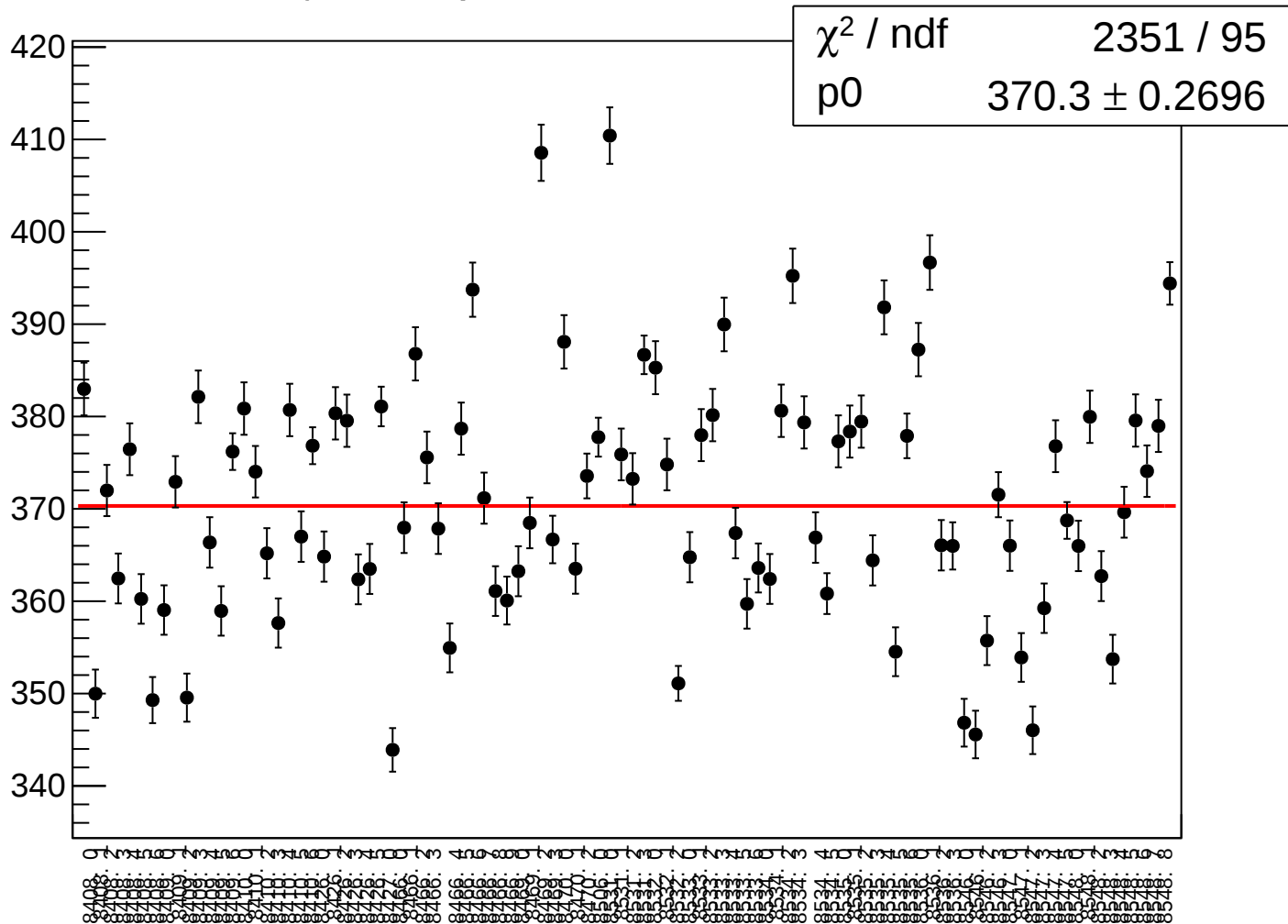
yield_bpm0i07WS_rms vs run



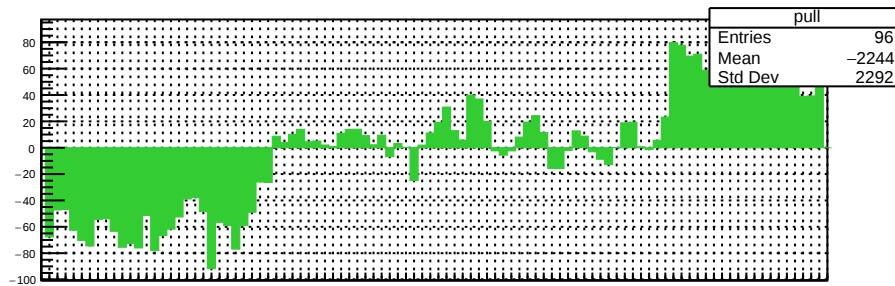
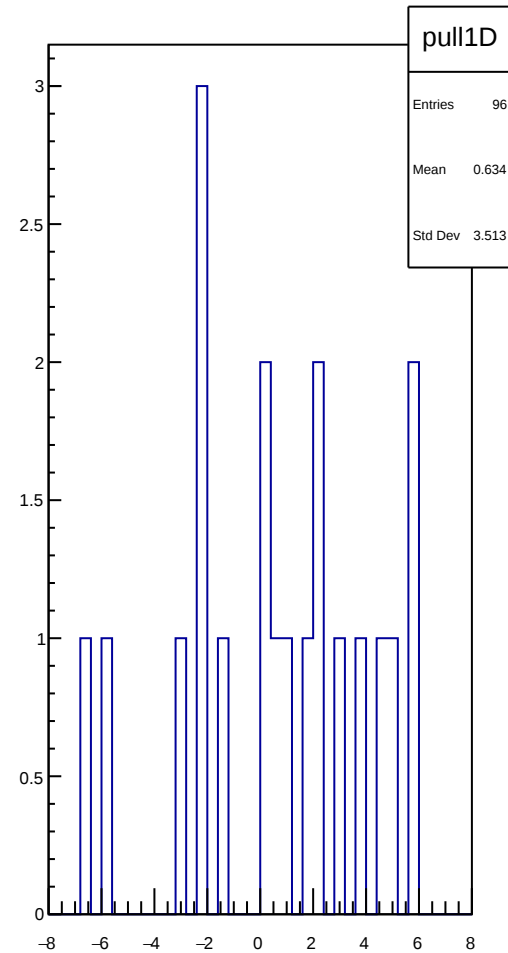
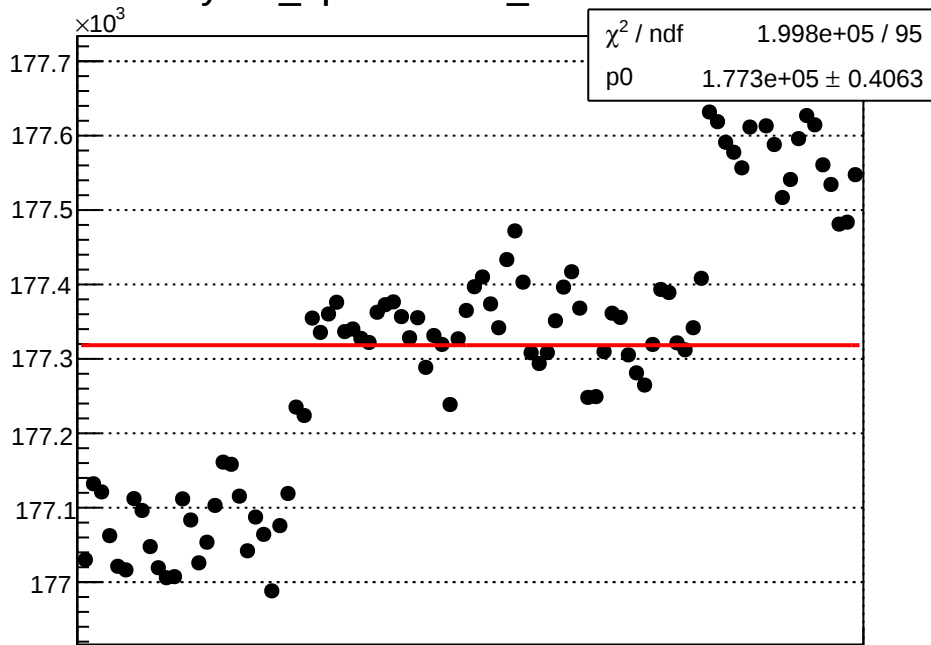
yield_bpm1i02WS_mean vs run



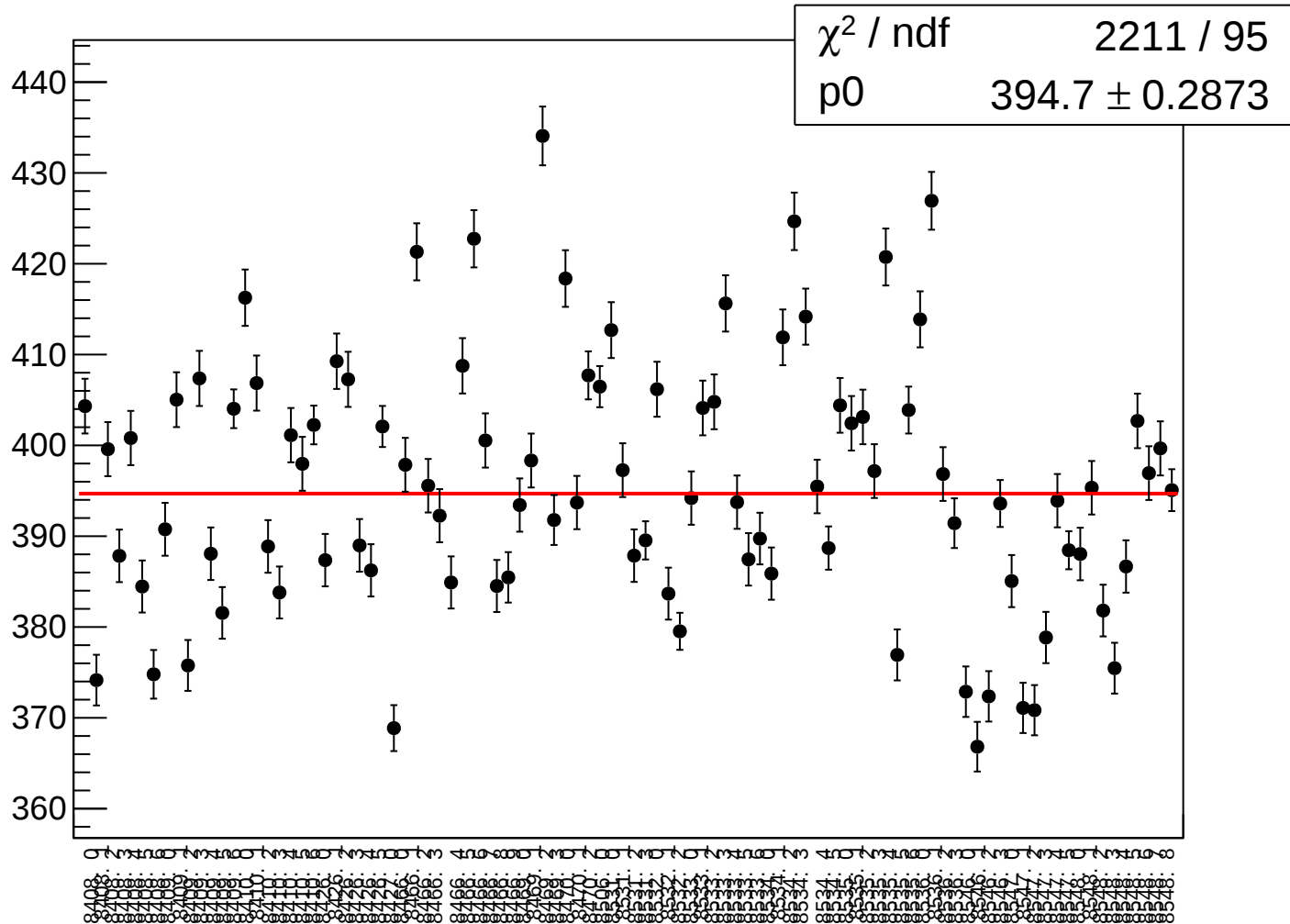
yield_bpm1i02WS_rms vs run



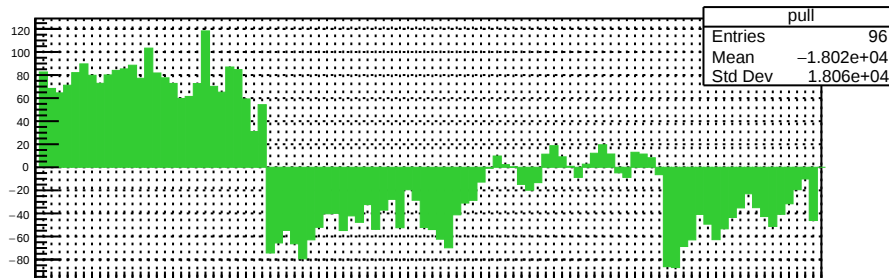
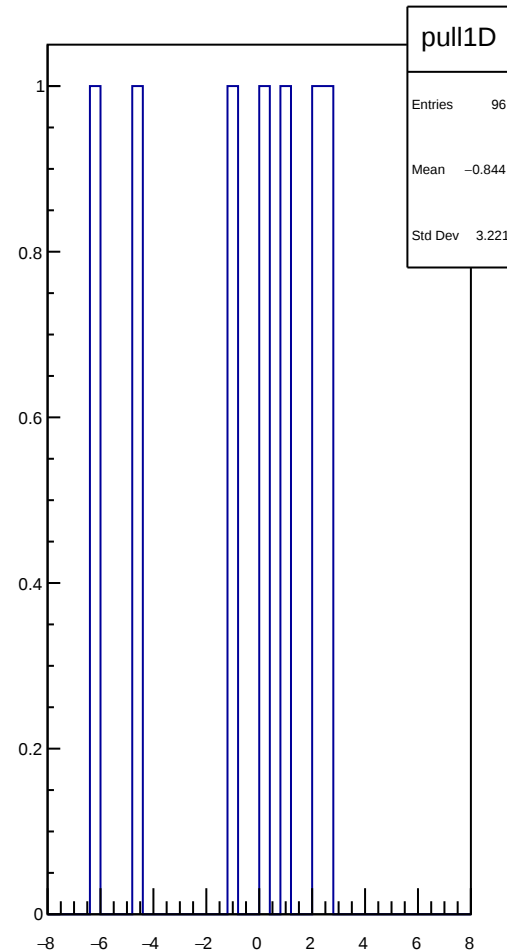
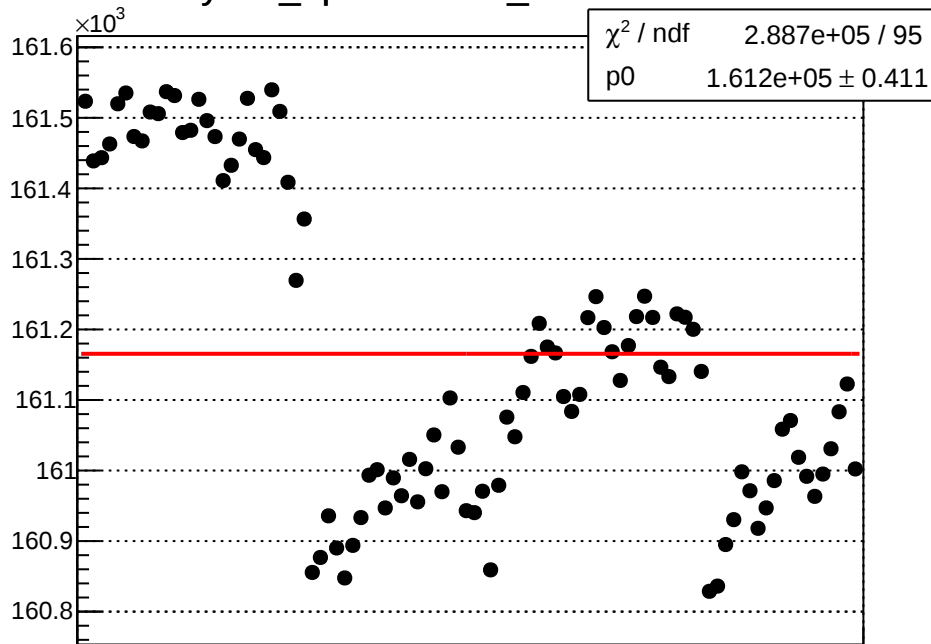
yield_bpm1i04WS_mean vs run



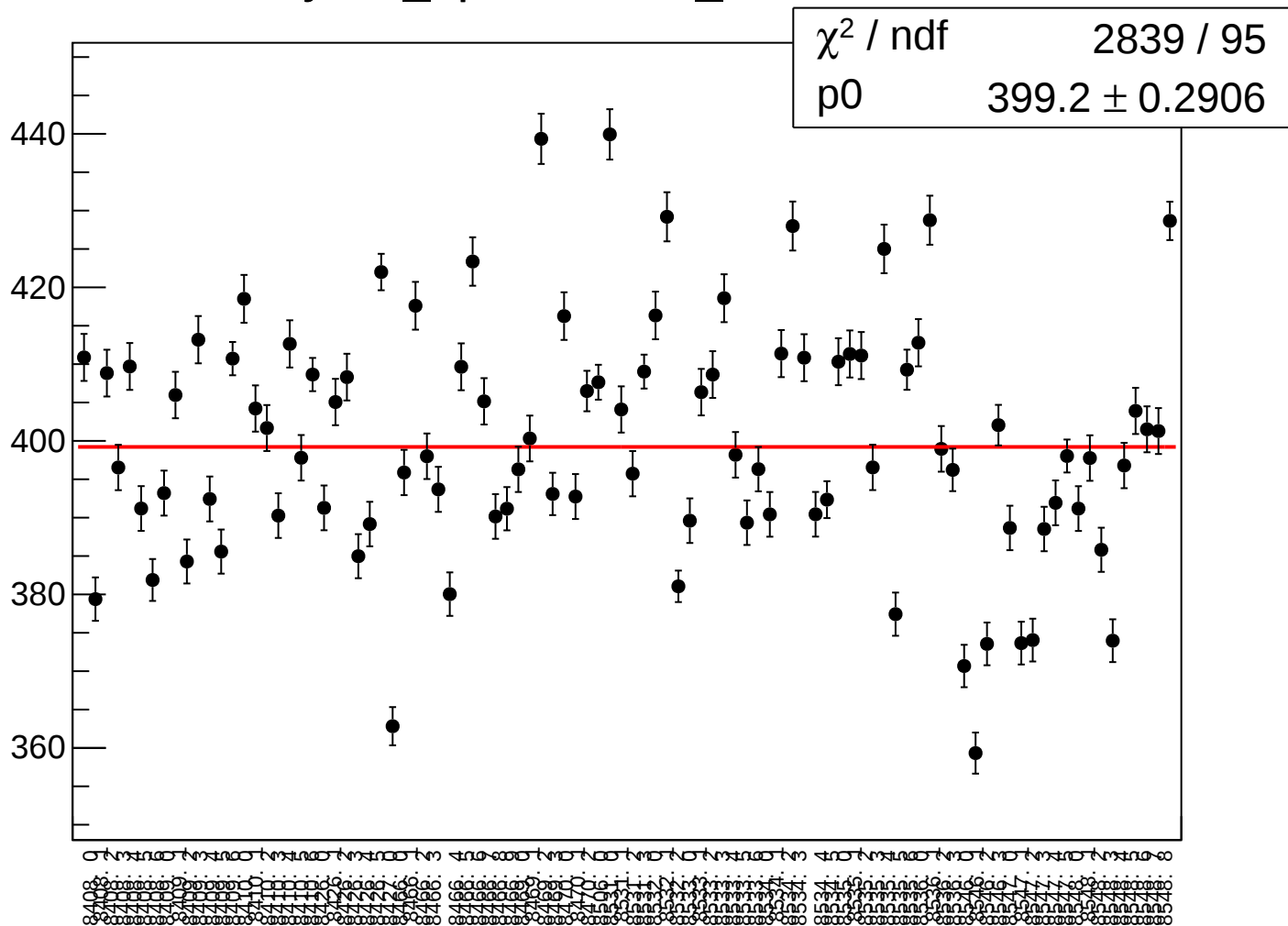
yield_bpm1i04WS_rms vs run



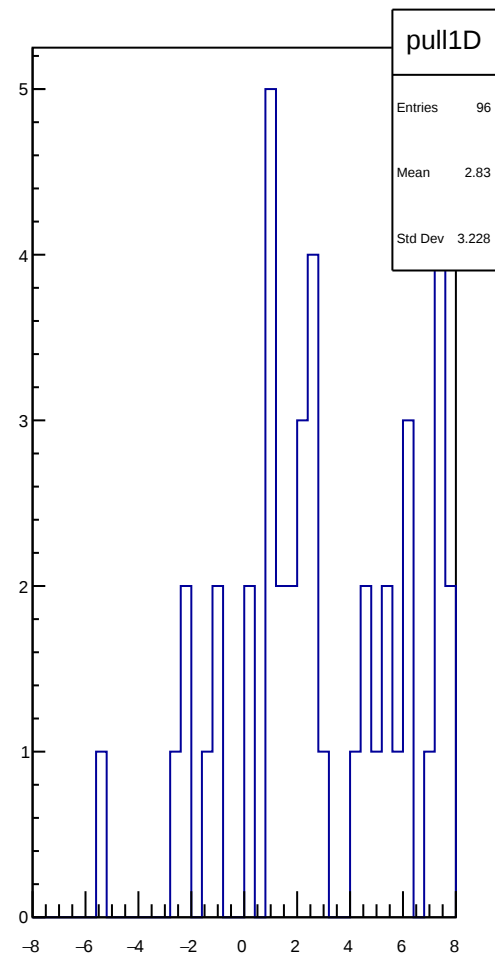
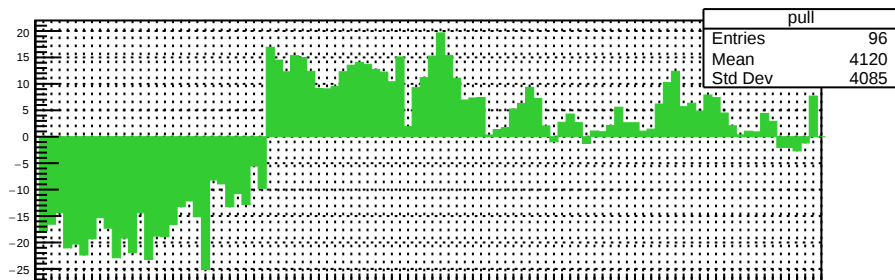
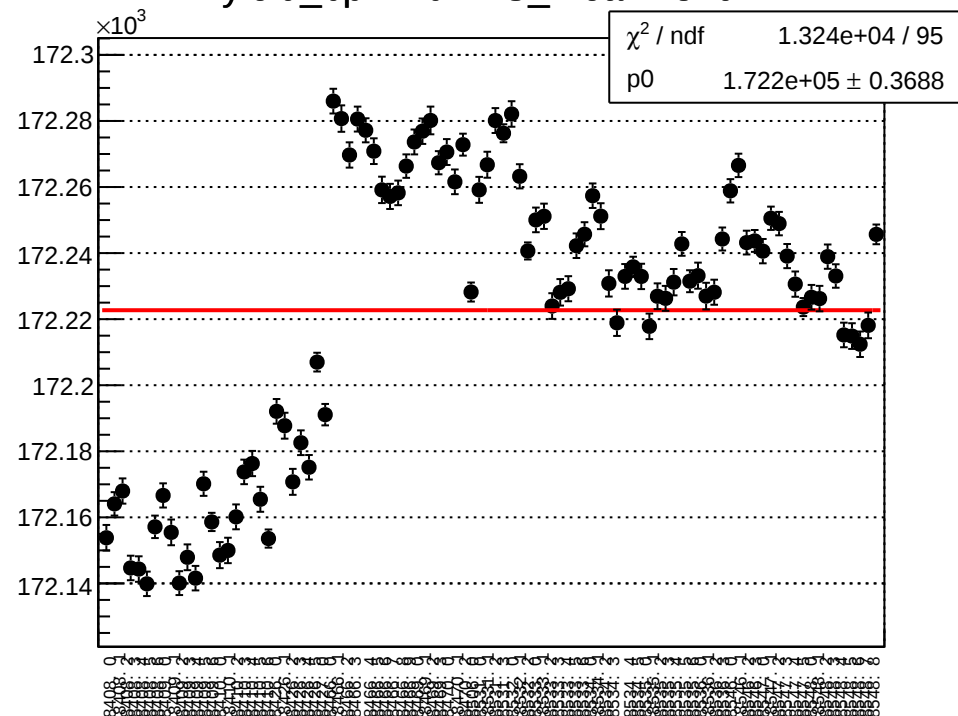
yield_bpm1i06WS_mean vs run



yield_bpm1i06WS_rms vs run



yield_bpm2i01WS_mean vs run



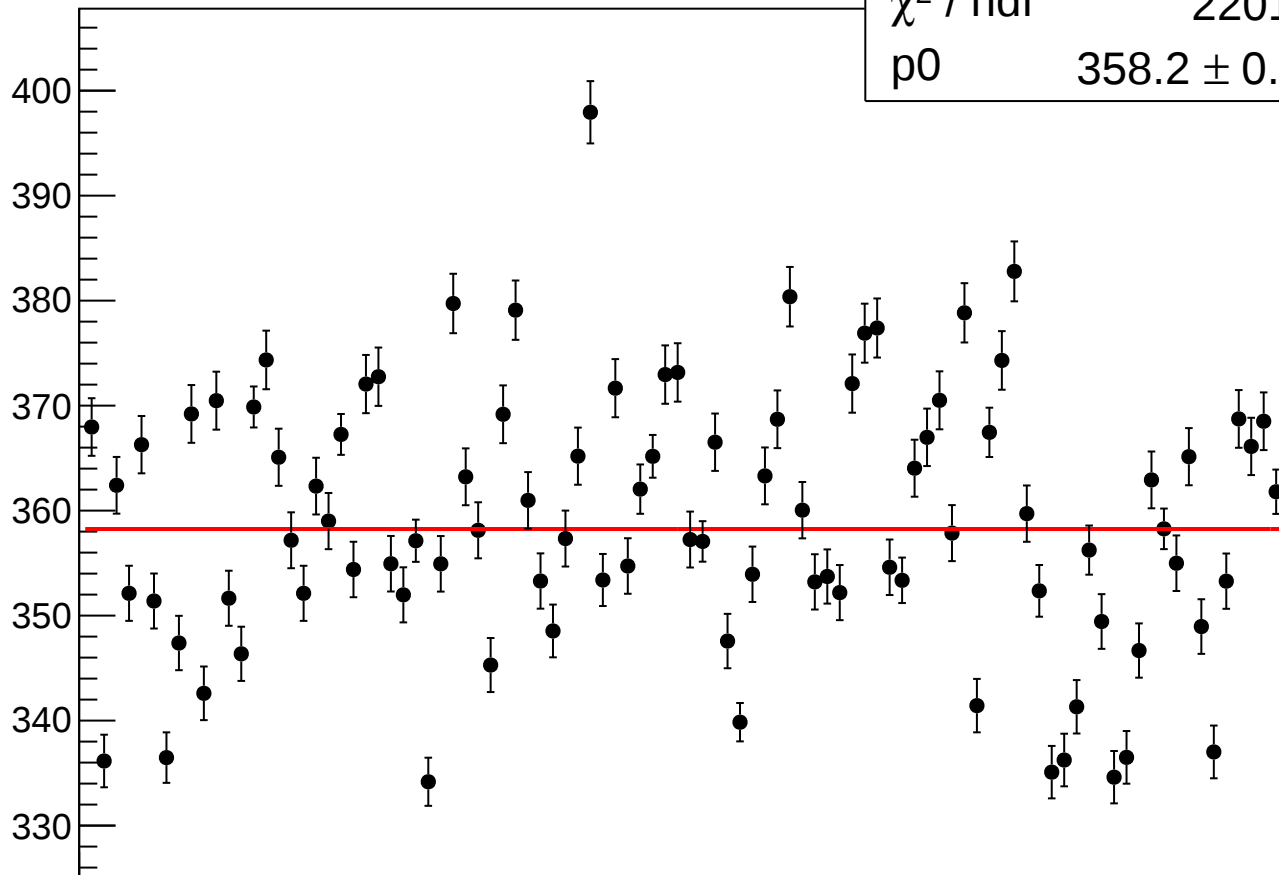
yield_bpm2i01WS_rms vs run

χ^2 / ndf

2201 / 95

p0

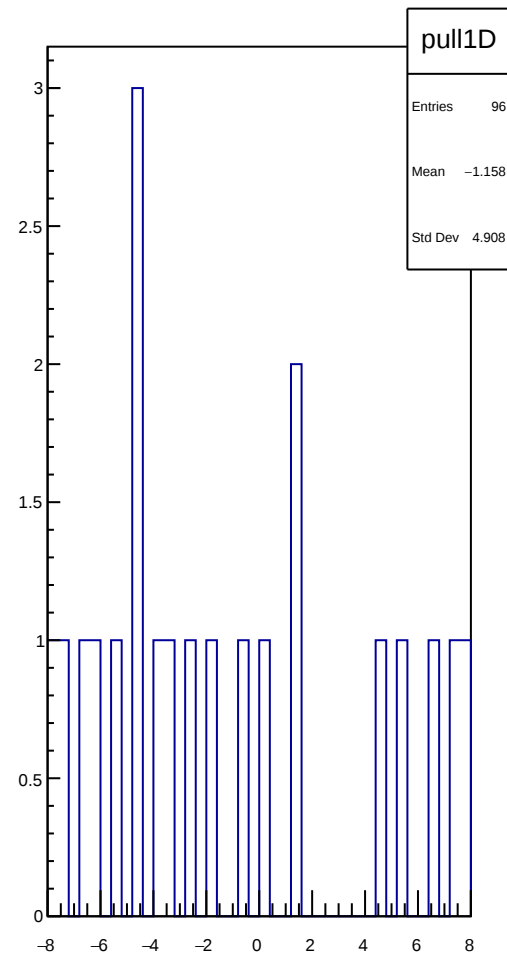
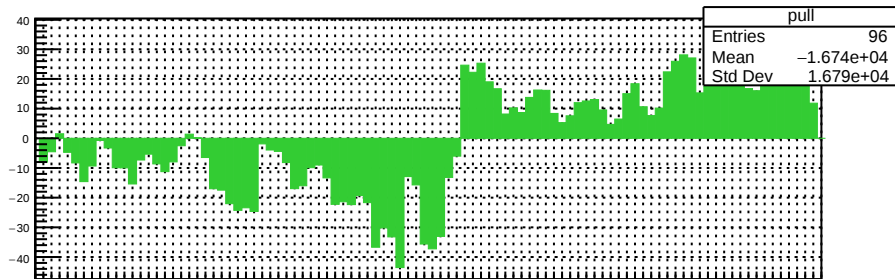
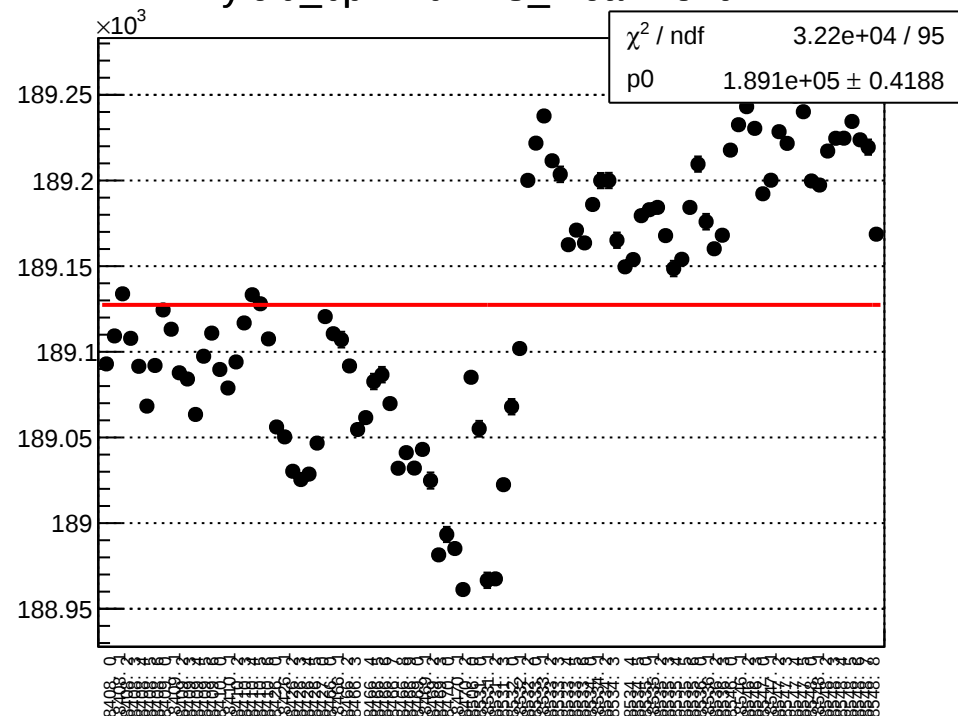
358.2 ± 0.2608



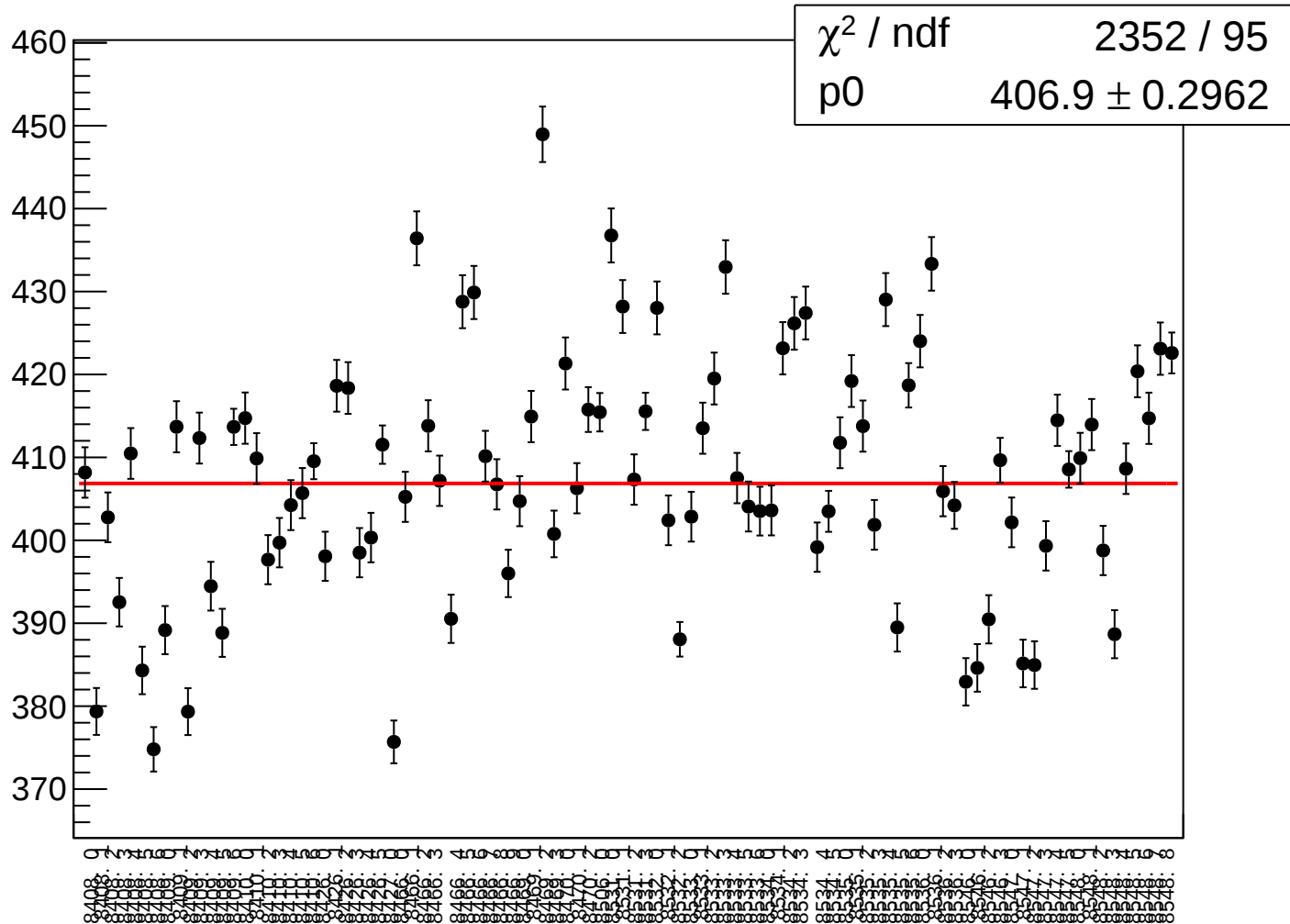
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330 340 350 360 370 380 390 400

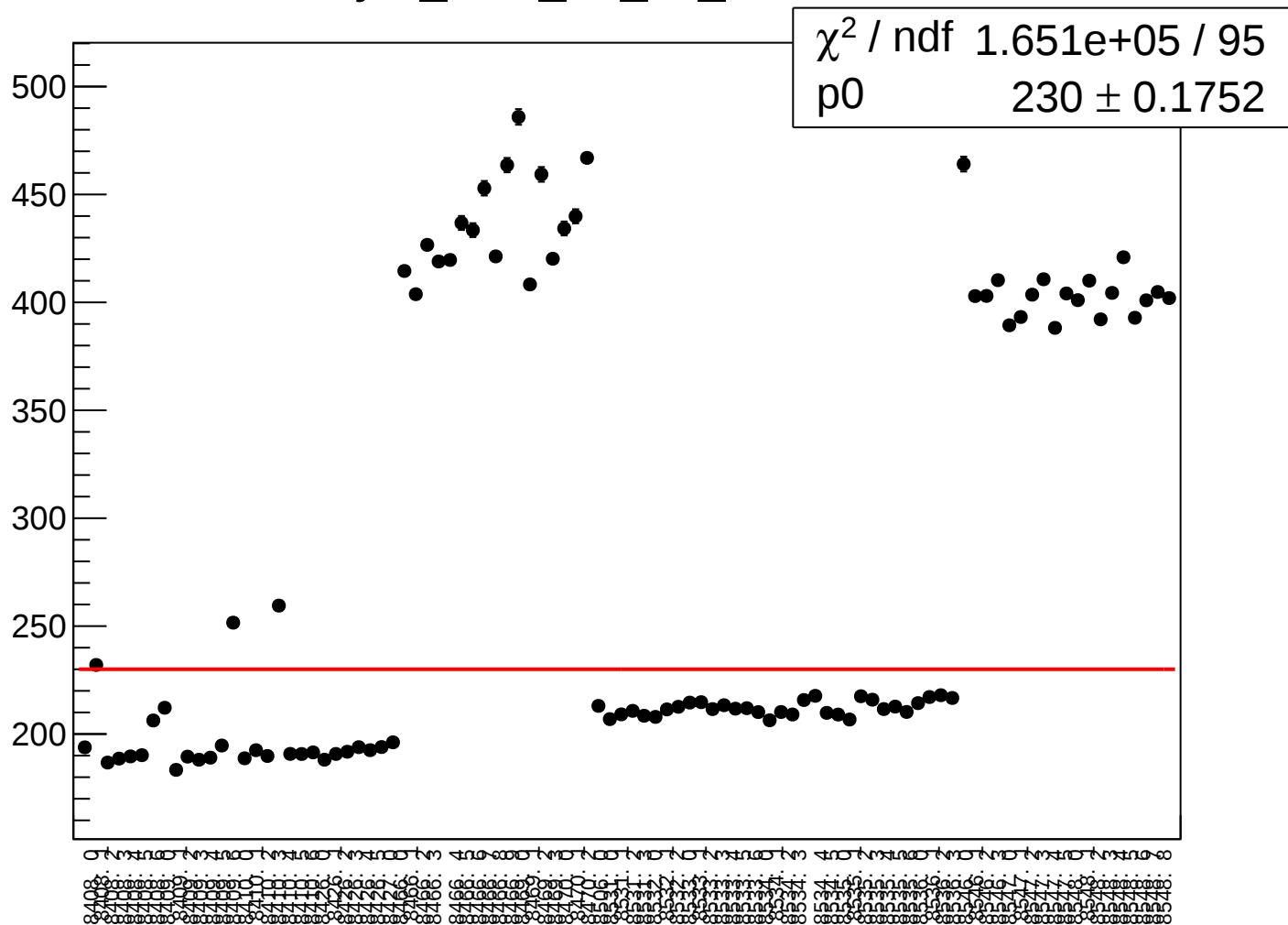
yield_bpm2i02WS_mean vs run



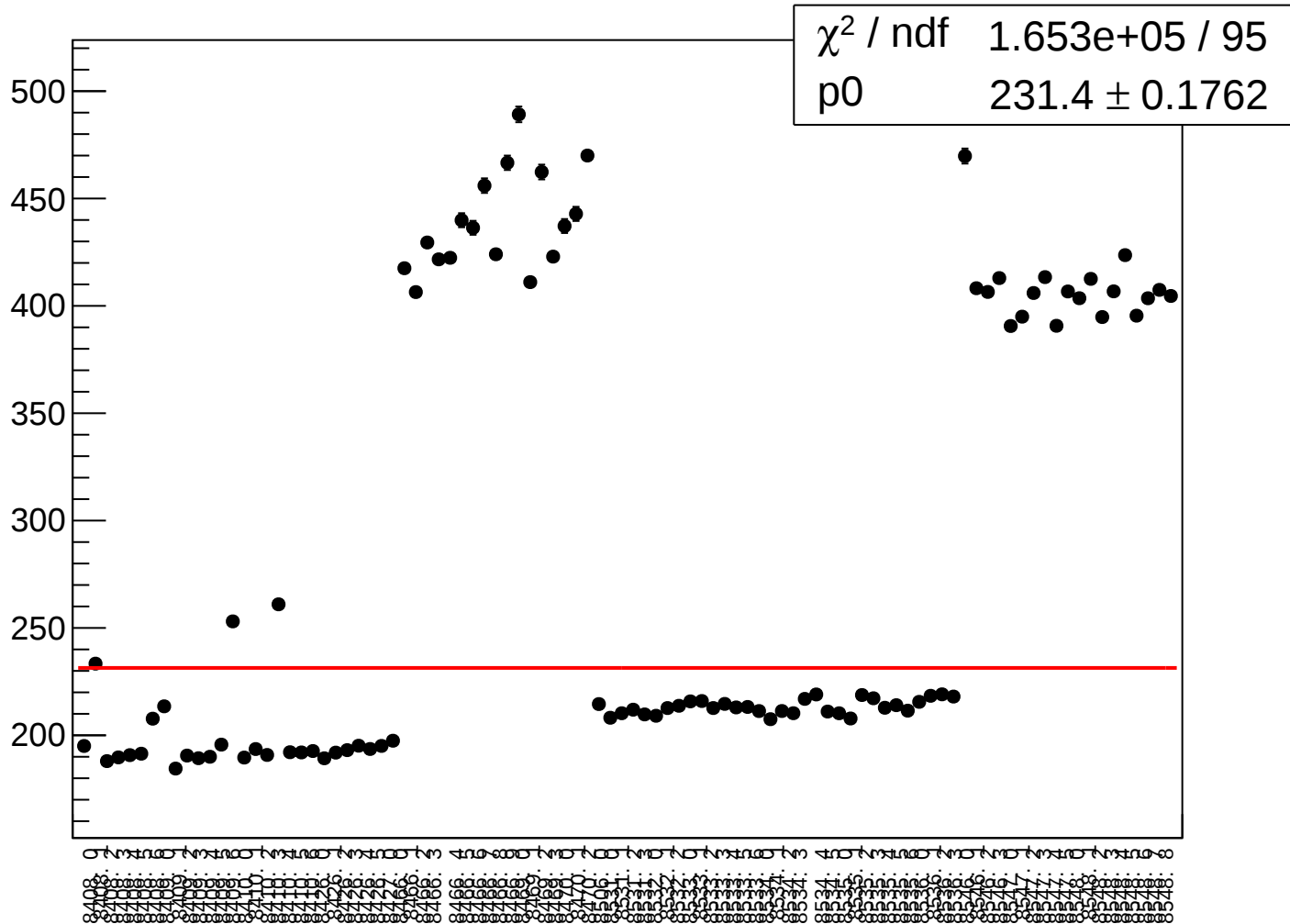
yield_bpm2i02WS_rms vs run



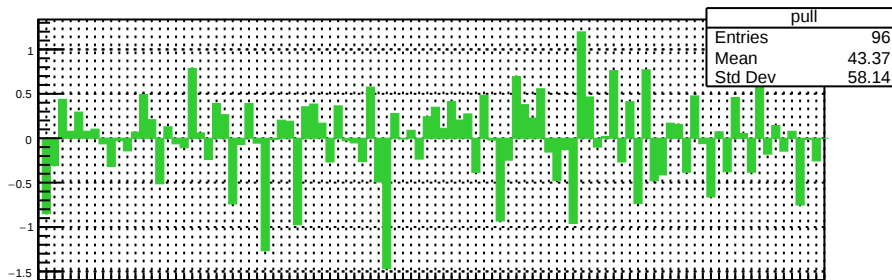
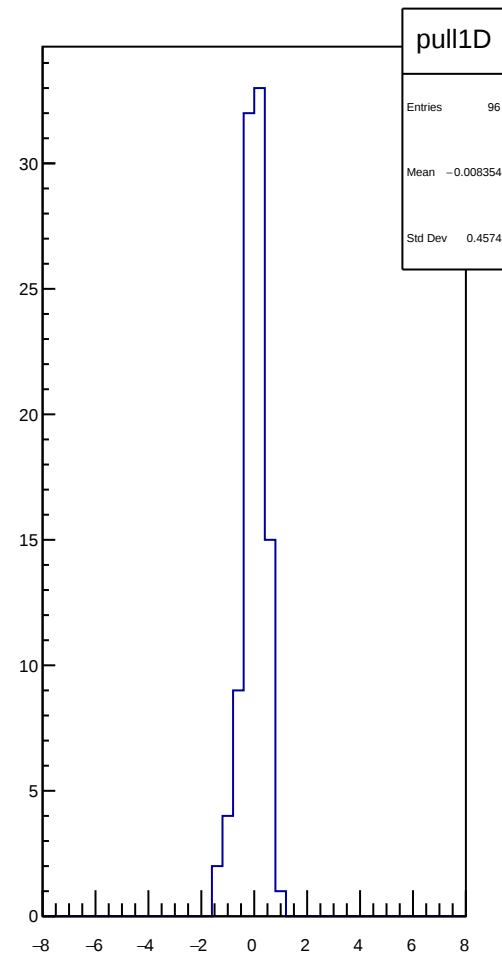
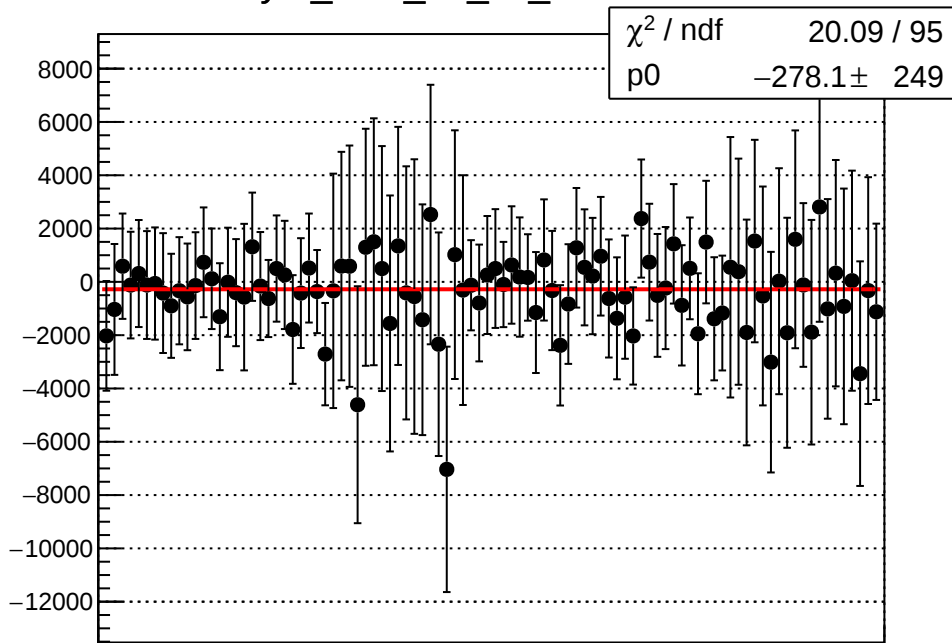
asym_bcm_an_ds_rms vs run



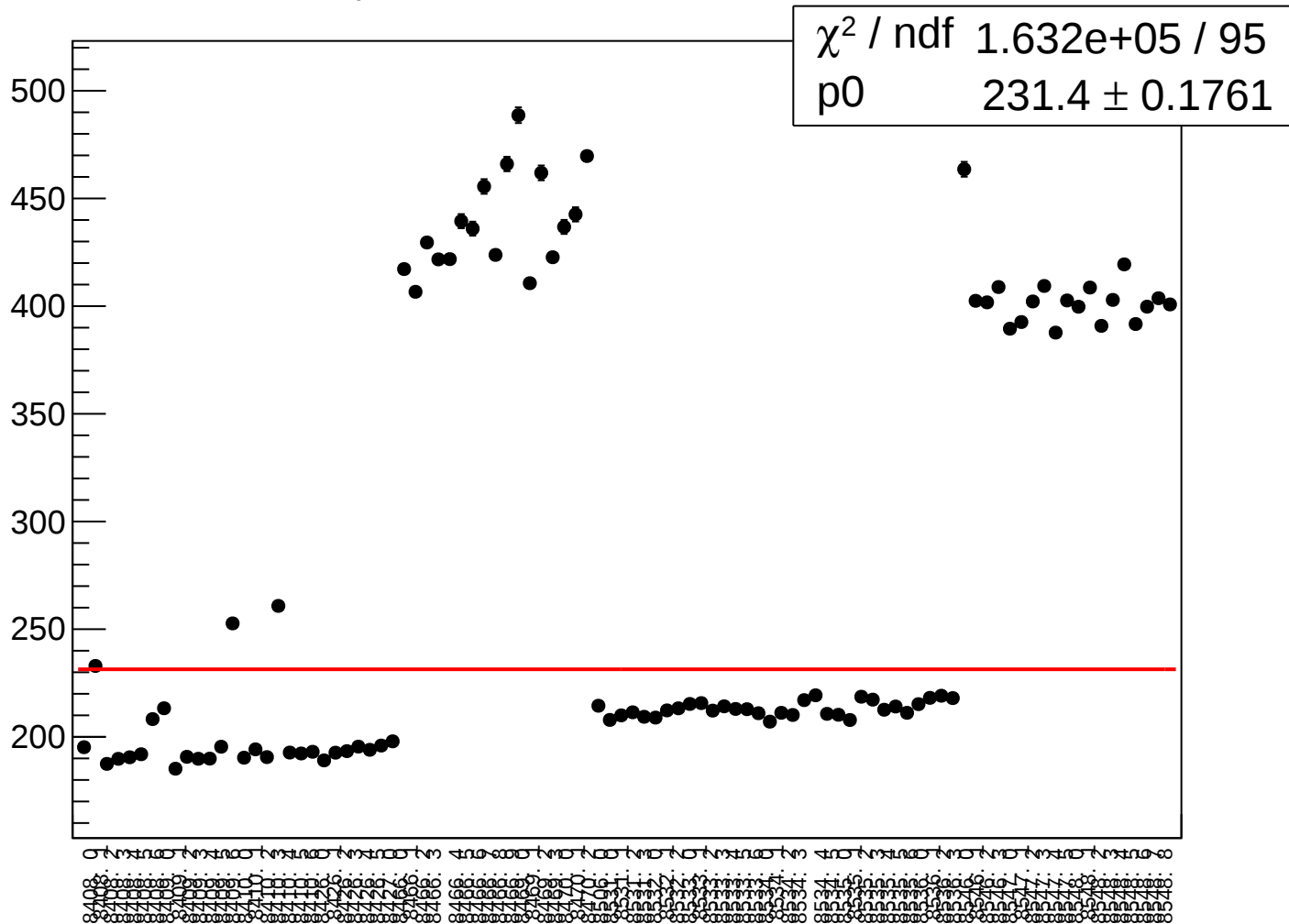
asym_bcm_an_ds3_rms vs run



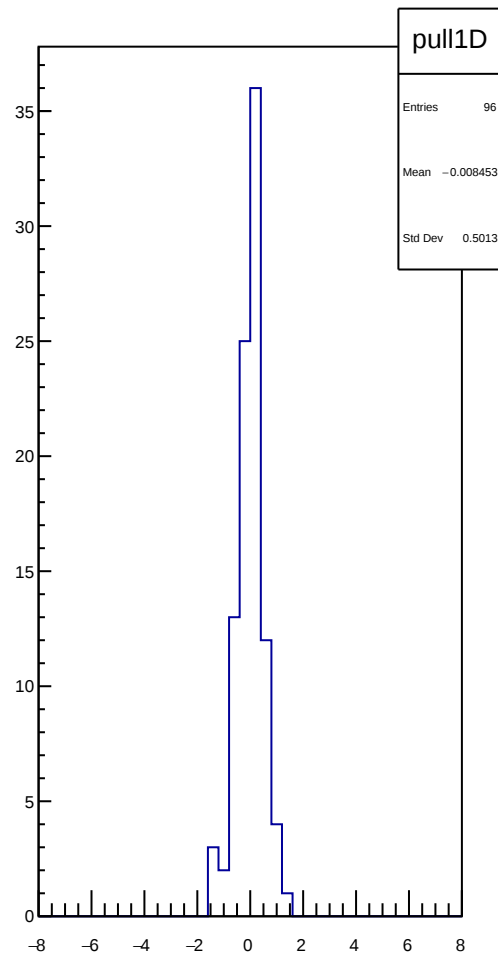
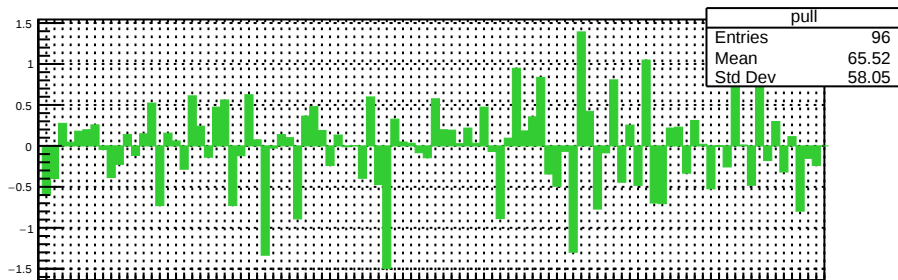
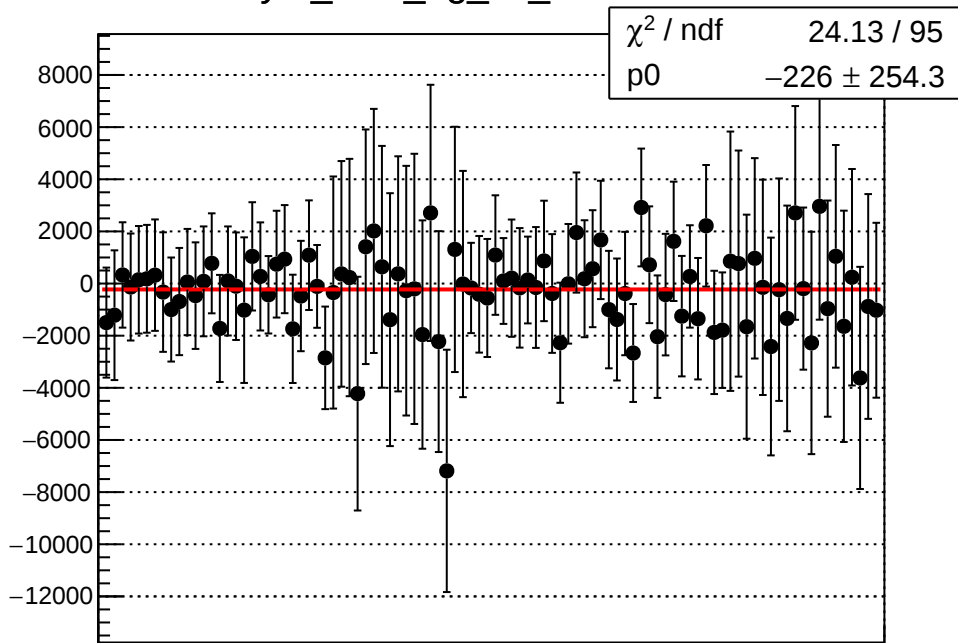
asym_bcm_an_us_mean vs run



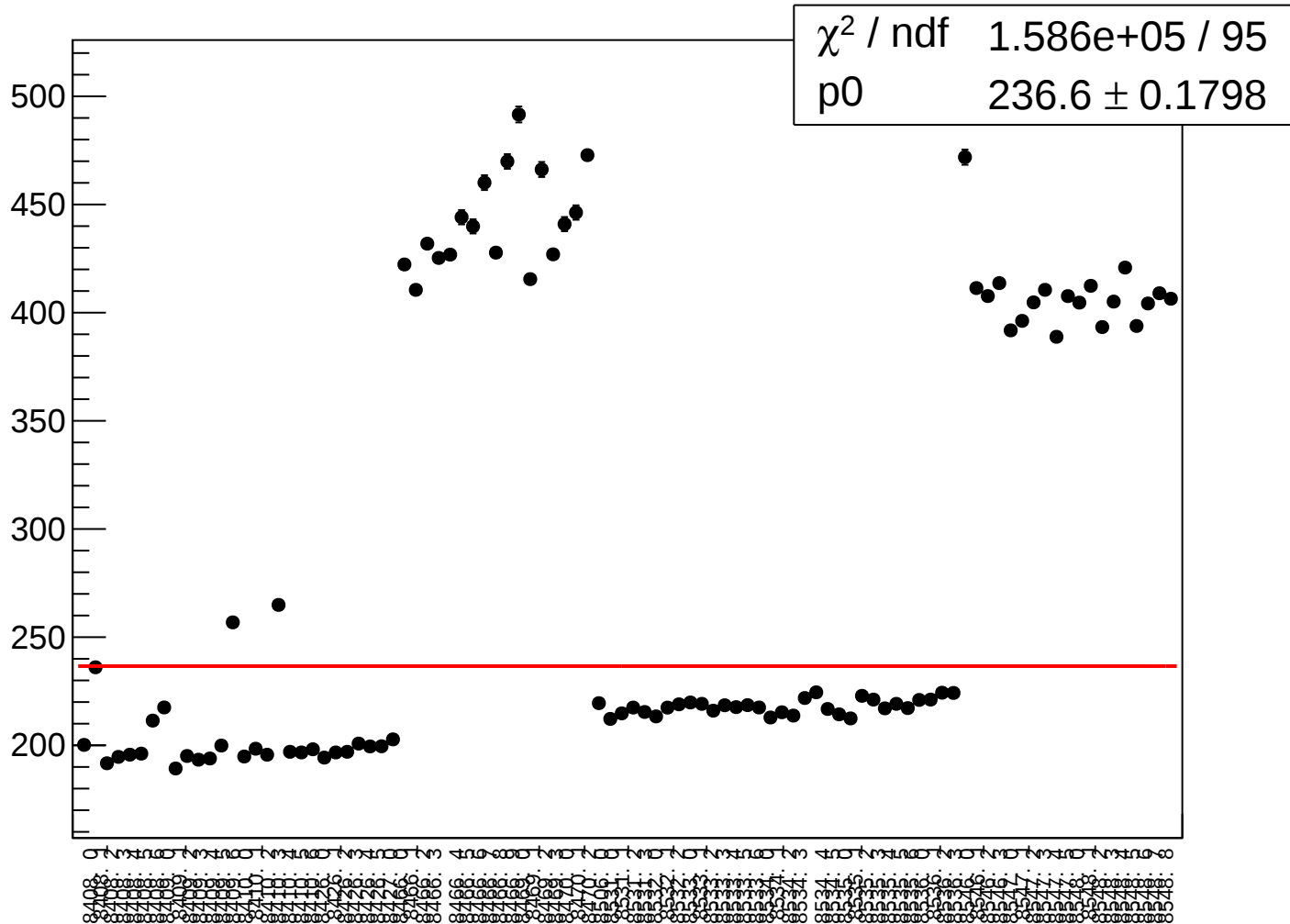
asym_bcm_an_us_rms vs run



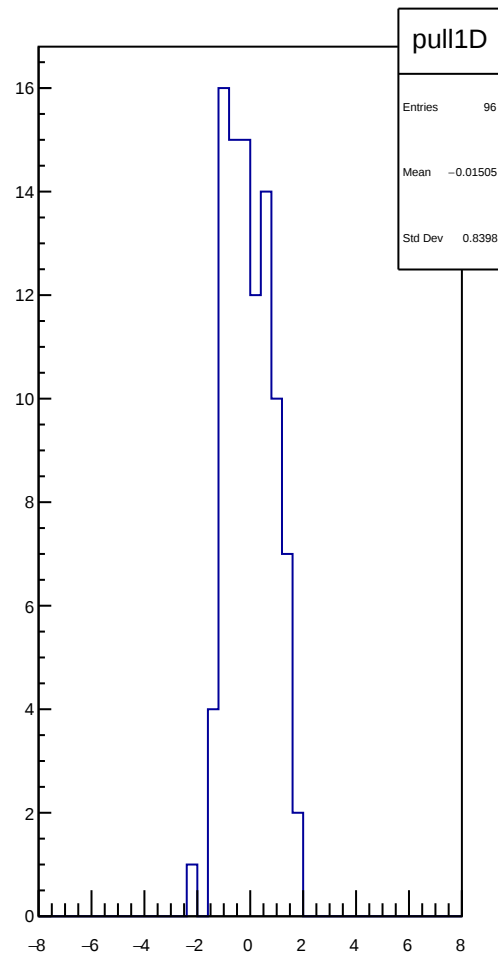
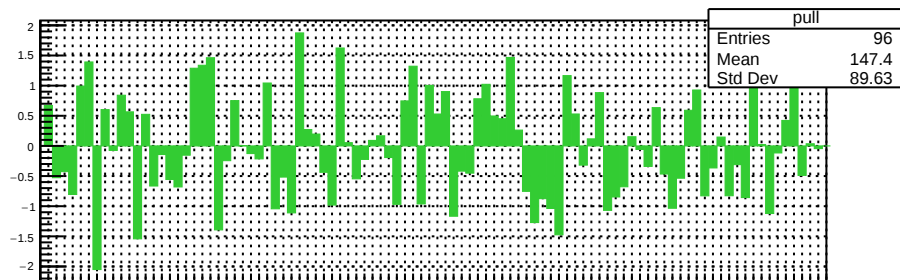
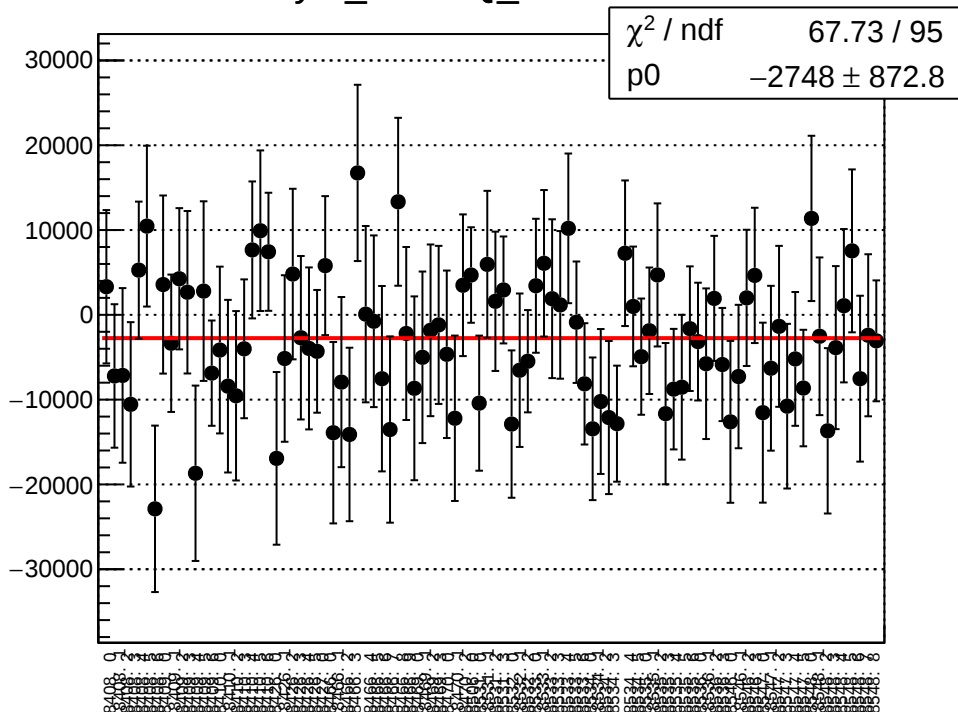
asym_bcm_dg_us_mean vs run



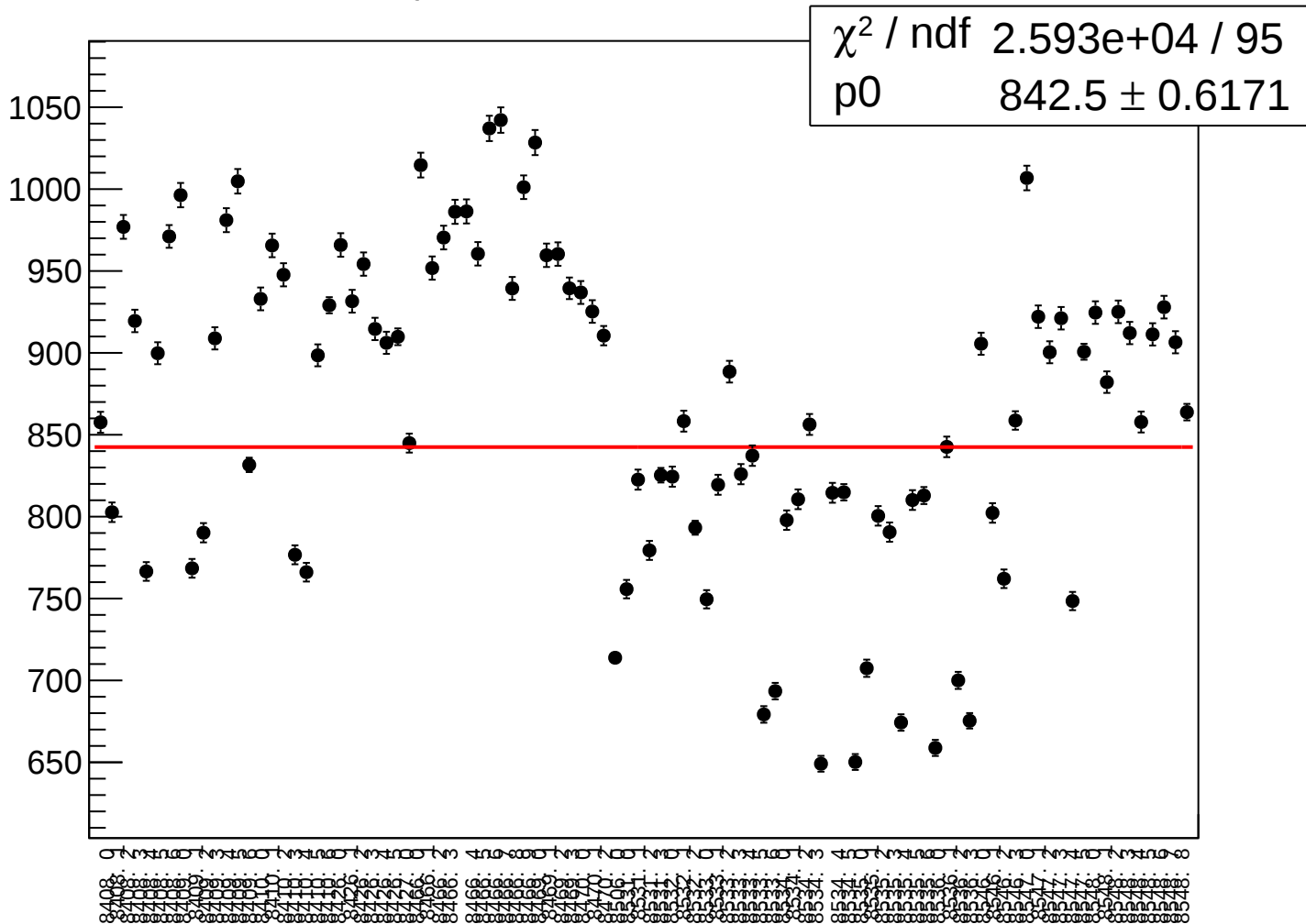
asym_bcm_dg_us_rms vs run



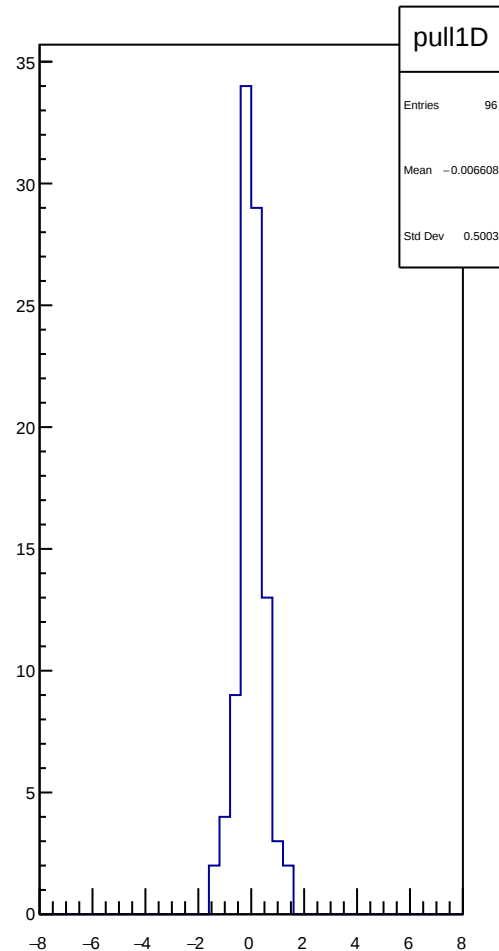
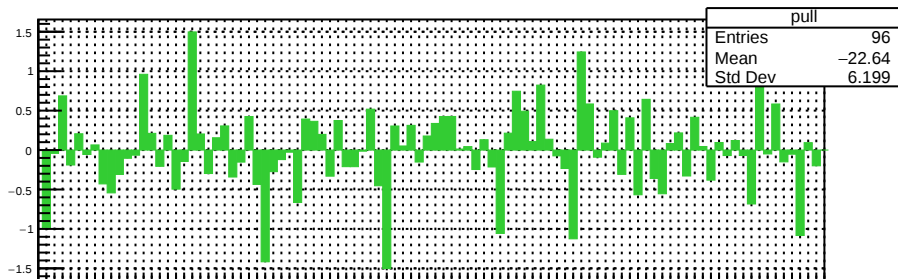
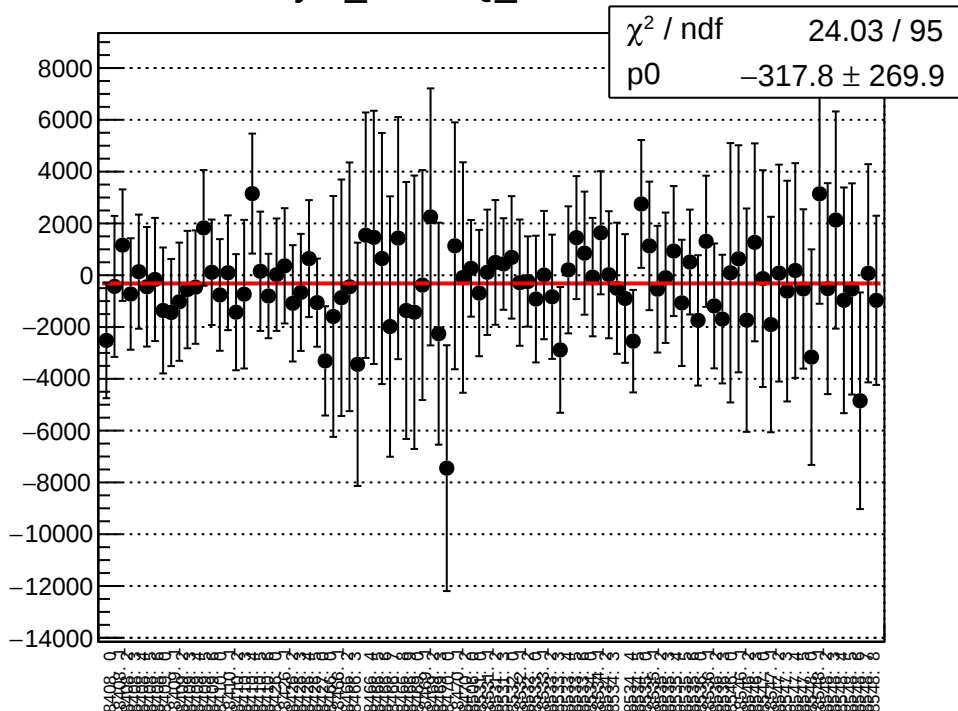
asym_cav4bQ_mean vs run



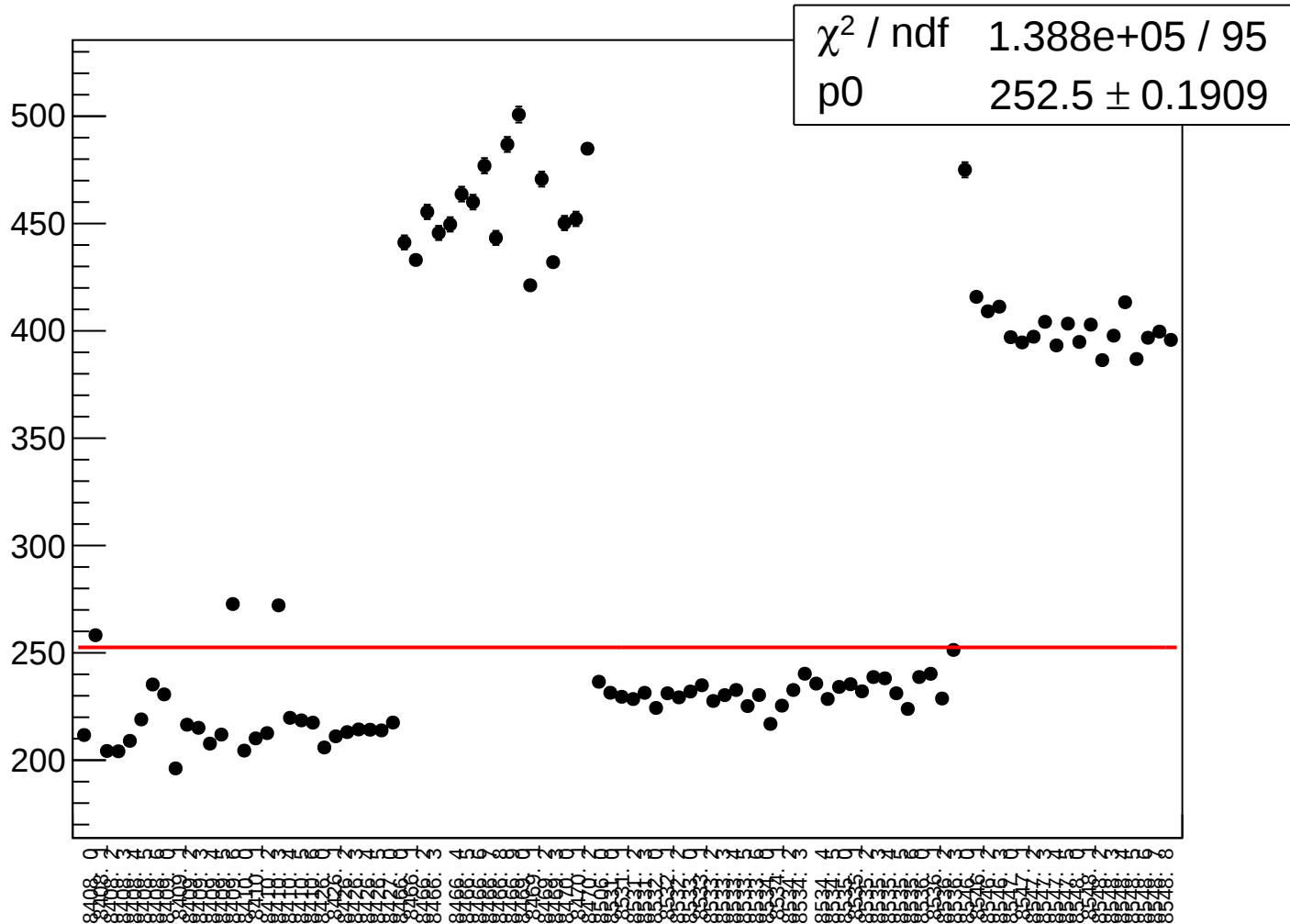
asym_cav4bQ_rms vs run



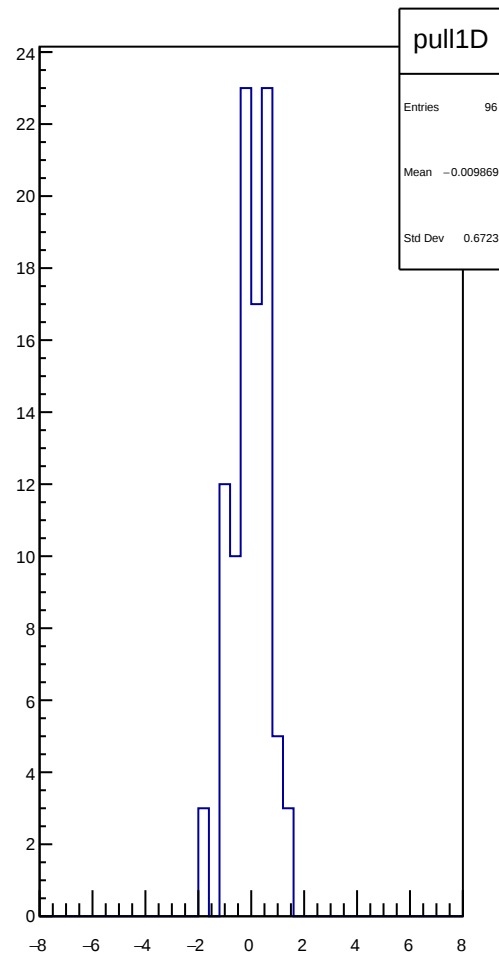
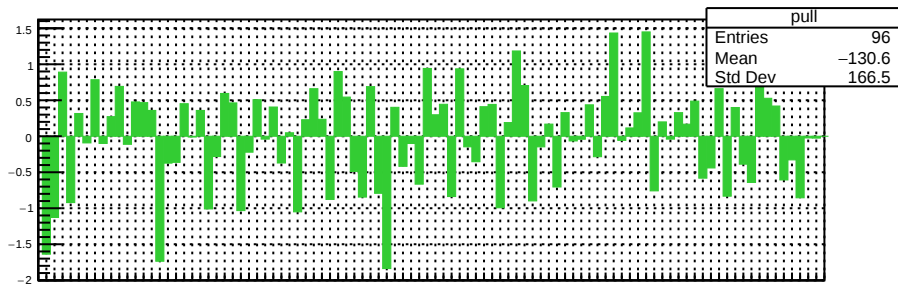
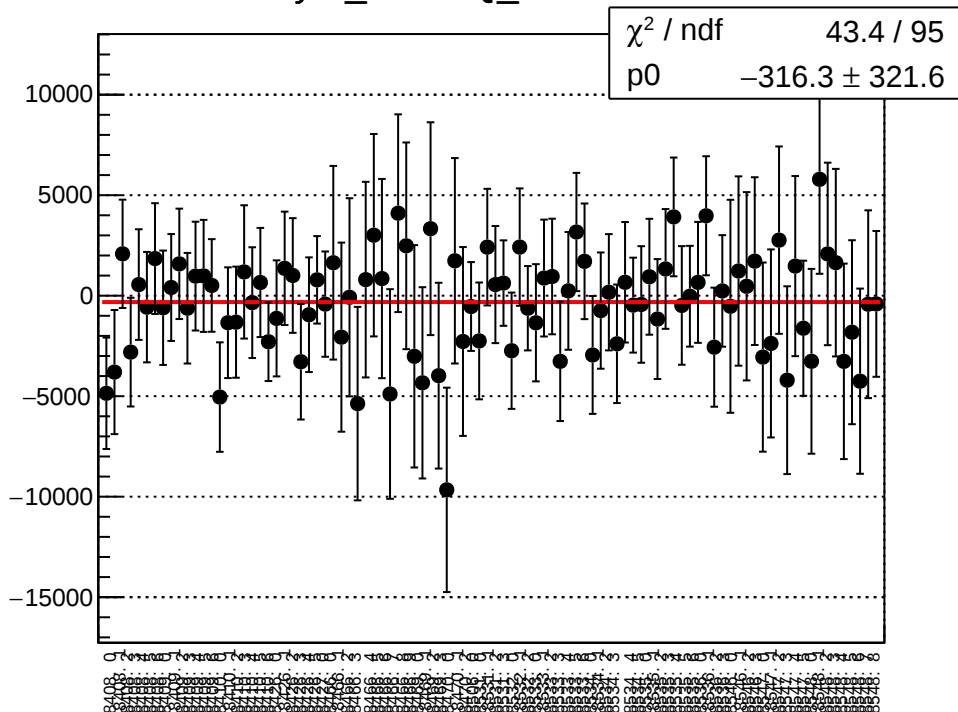
asym_cav4cQ_mean vs run



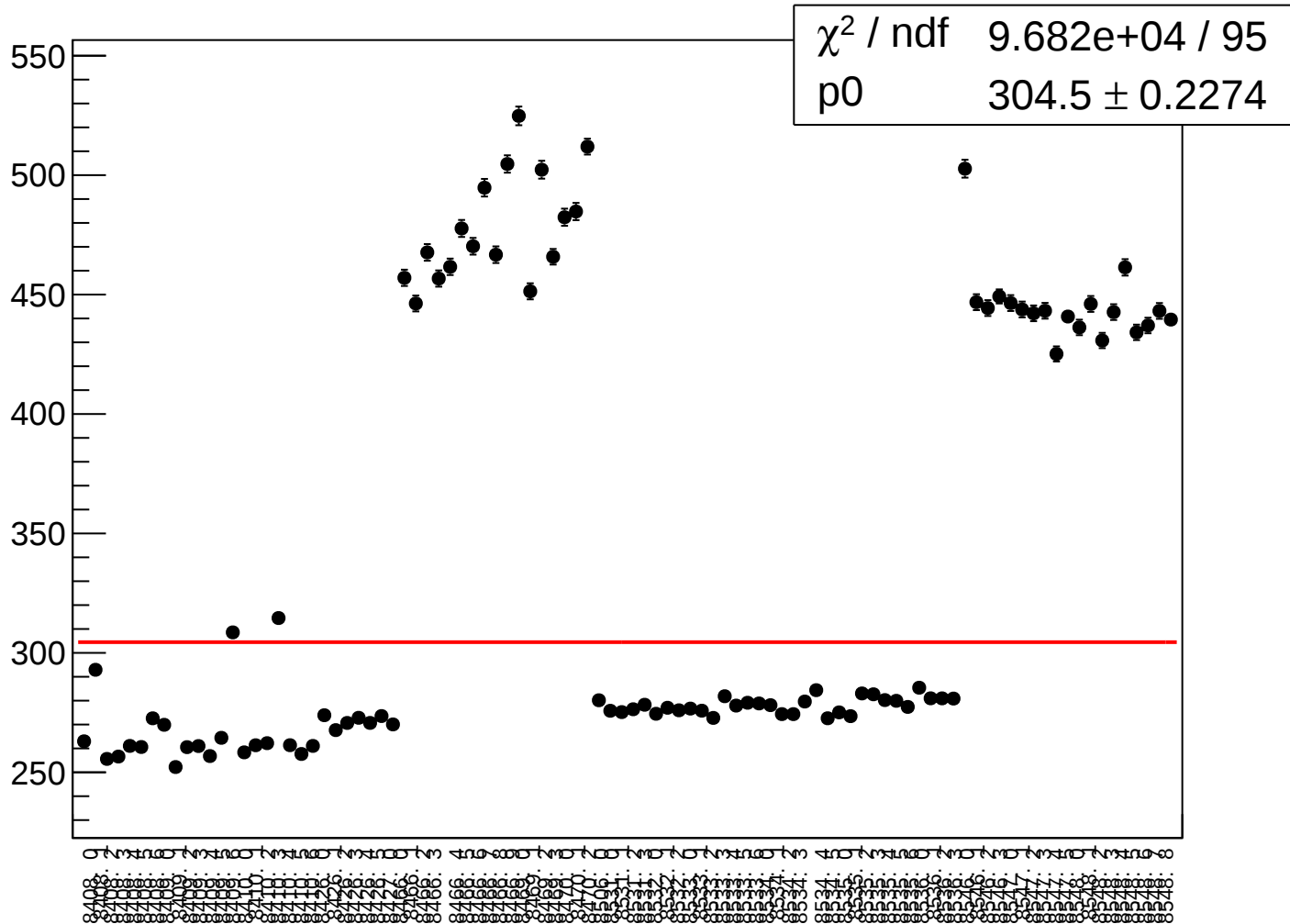
asym_cav4cQ_rms vs run



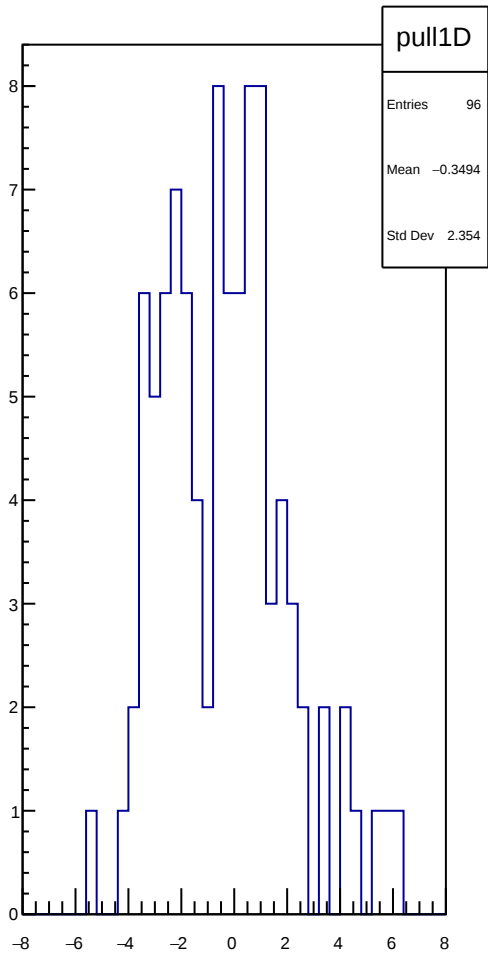
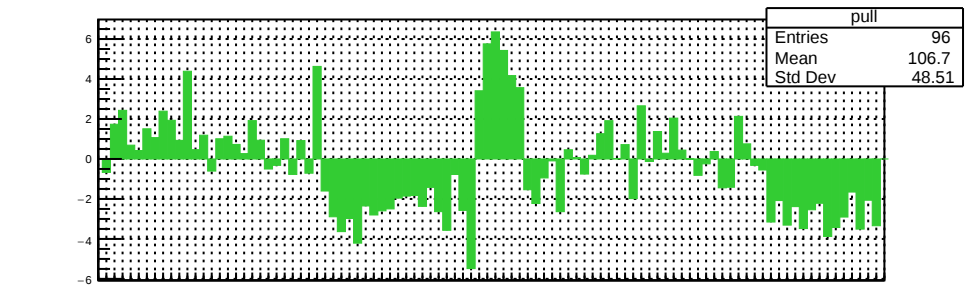
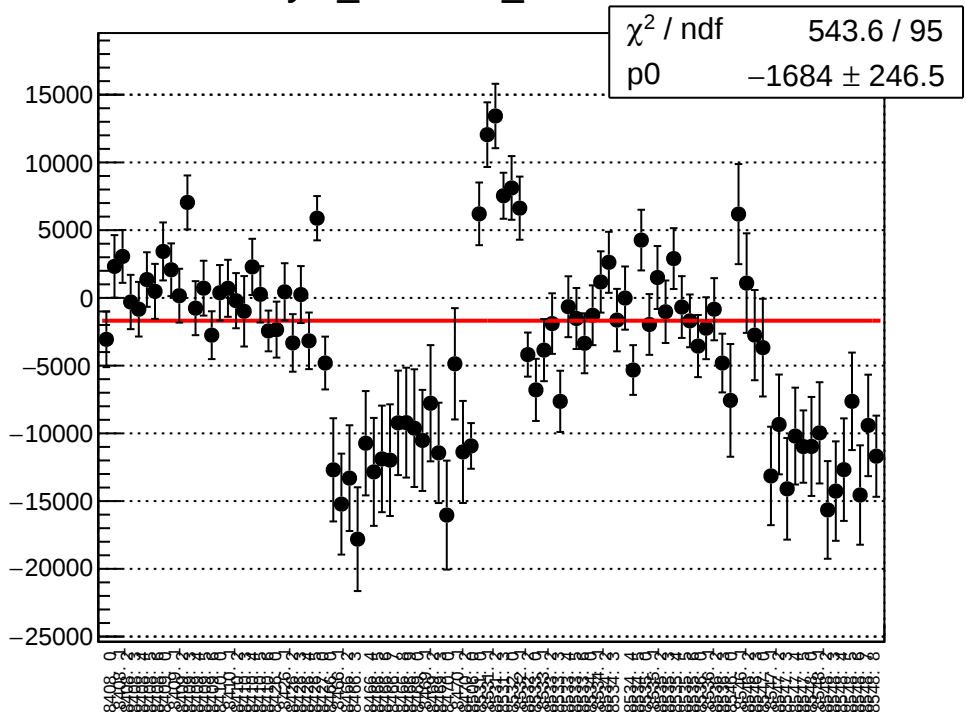
asym_cav4dQ_mean vs run



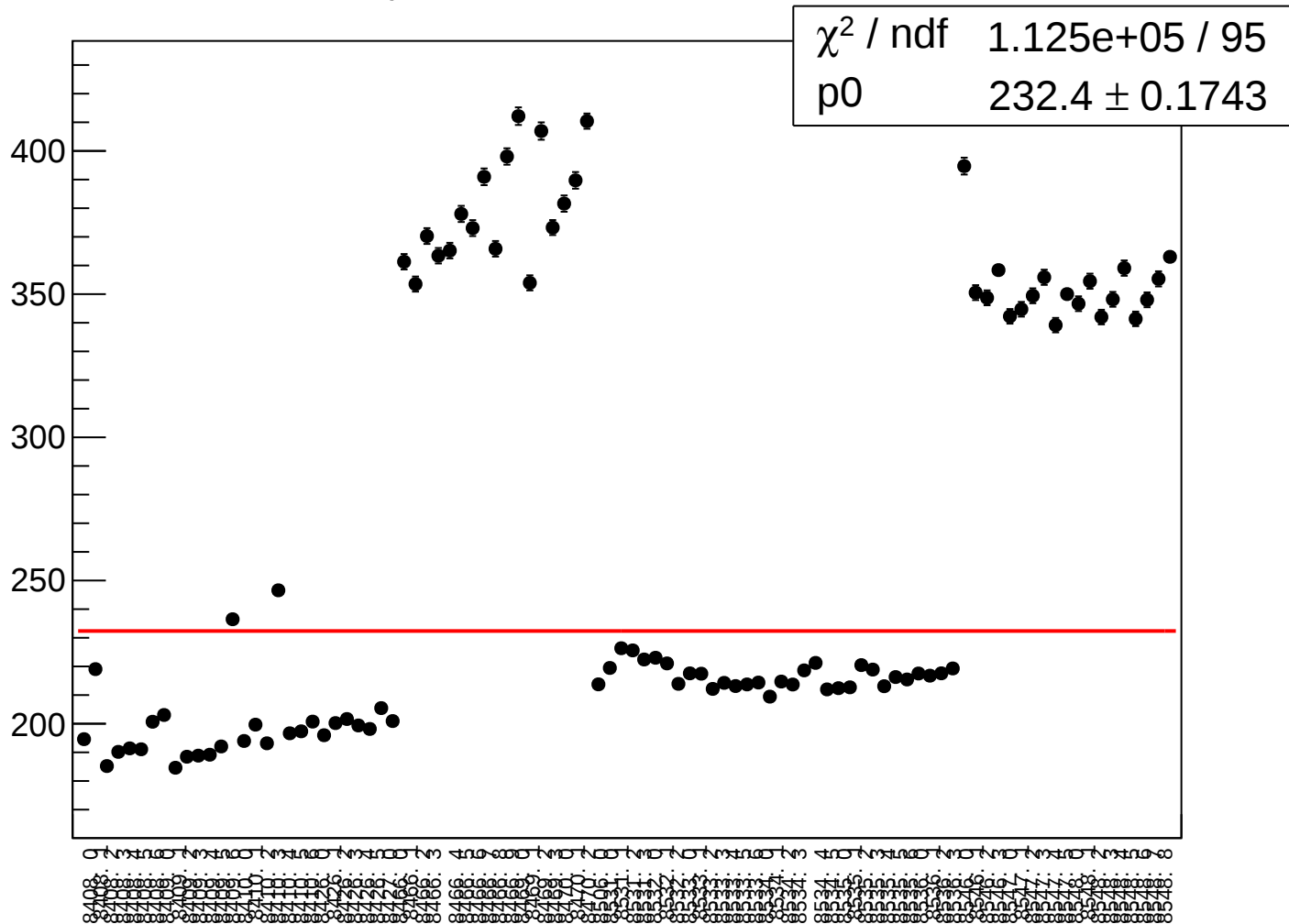
asym_cav4dQ_rms vs run



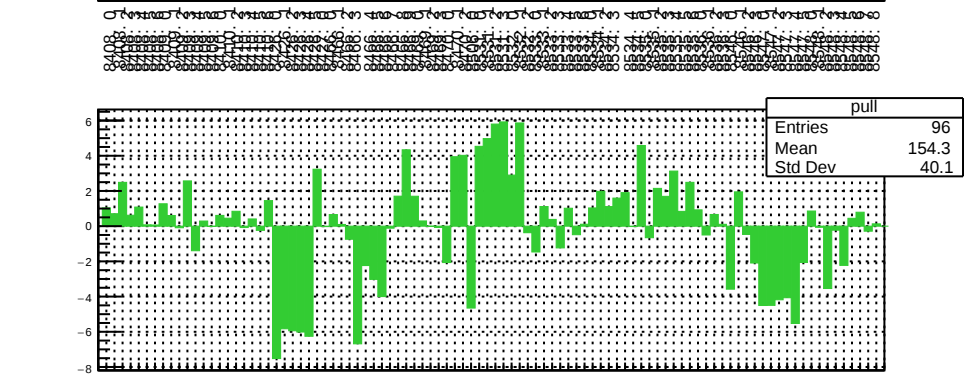
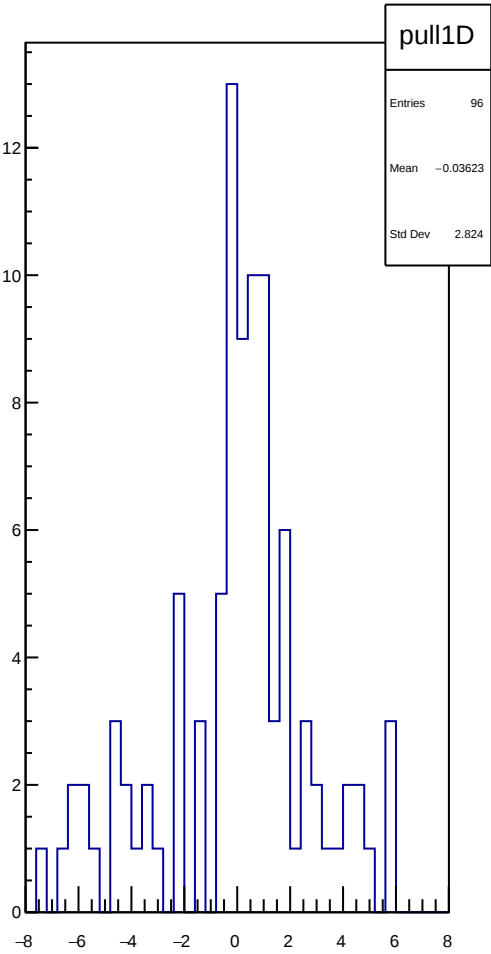
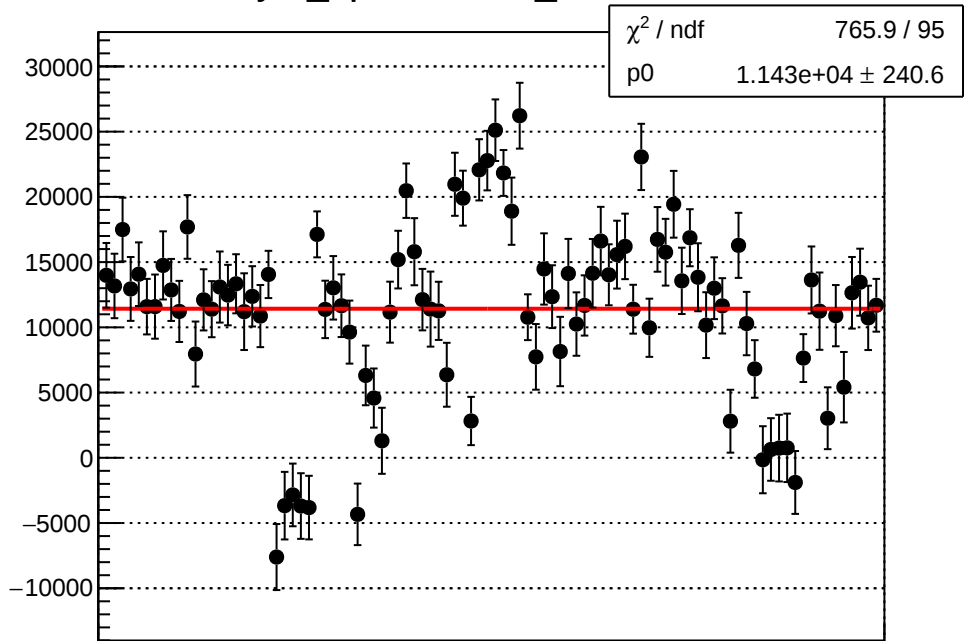
asym_bcm0l02_mean vs run



asym_bcm0l02_rms vs run



asym_bpm0i02WS_mean vs run



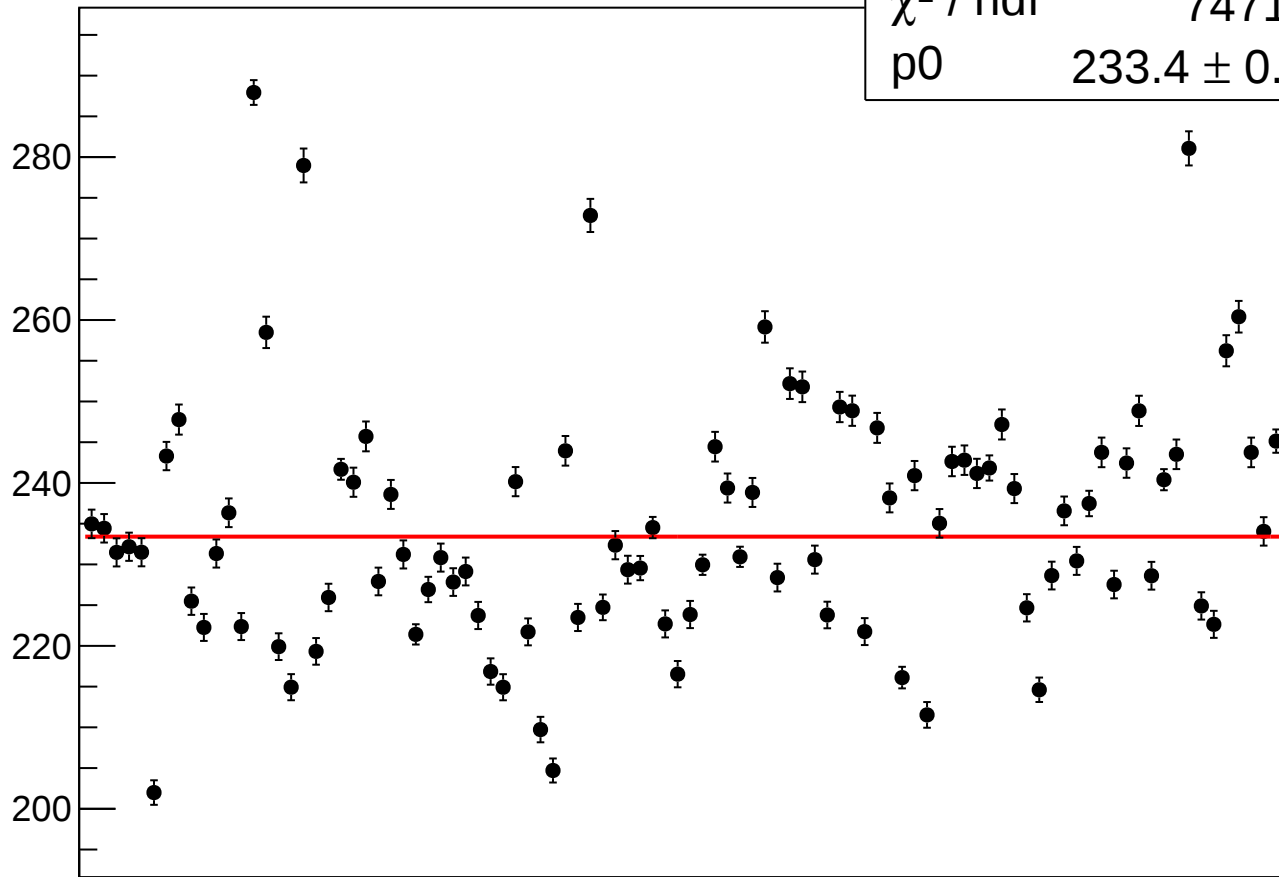
asym_bpm0i02WS_rms vs run

χ^2 / ndf

7471 / 95

p0

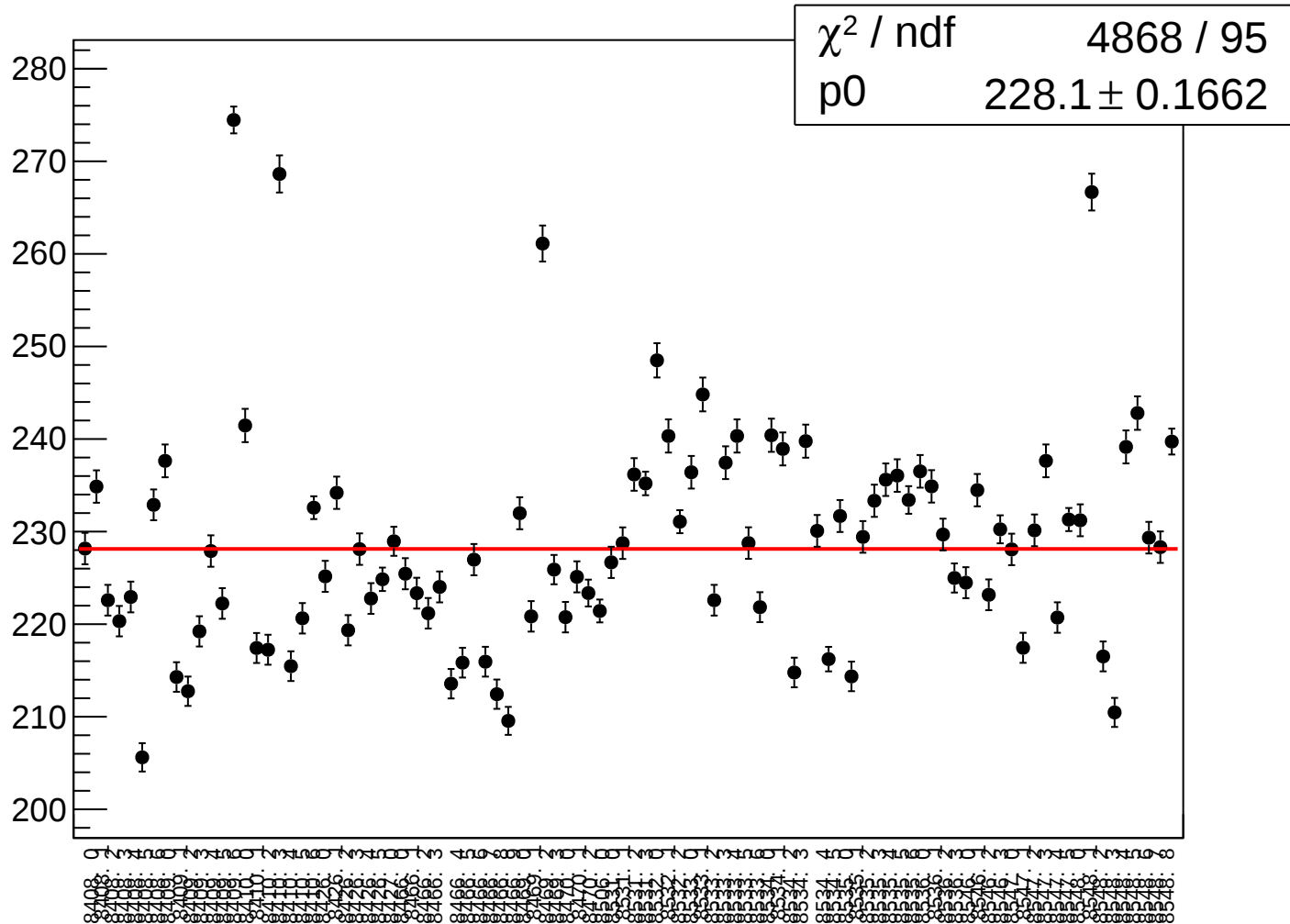
233.4 ± 0.1701



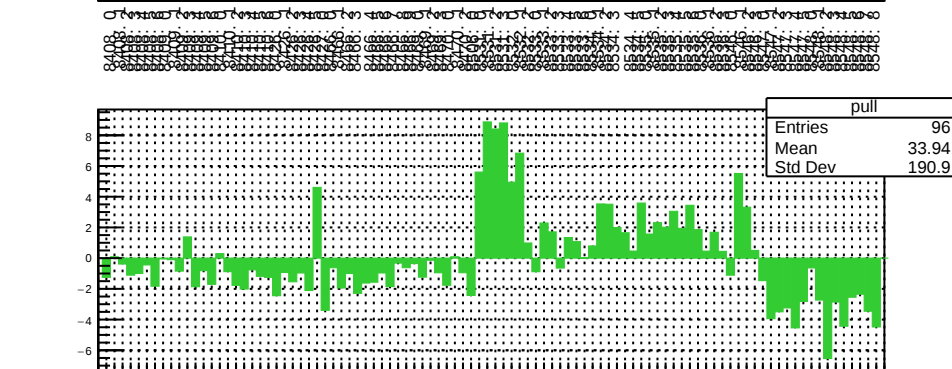
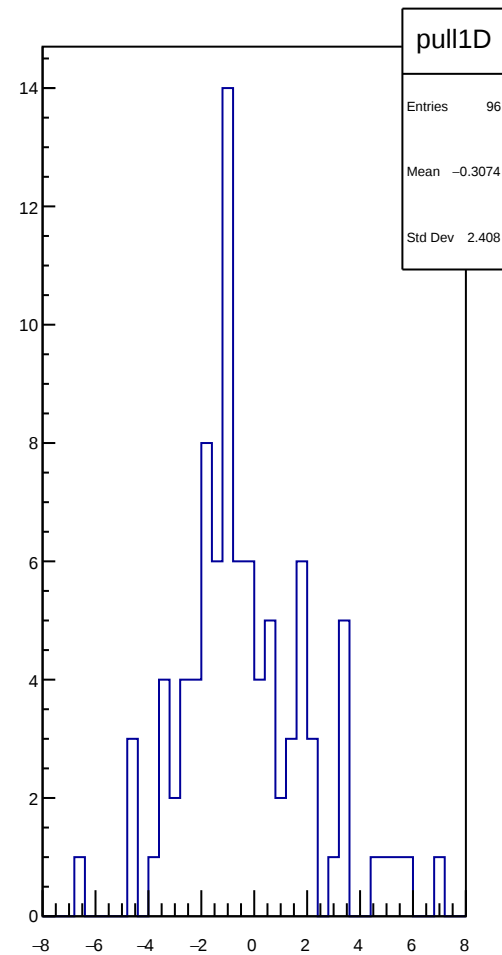
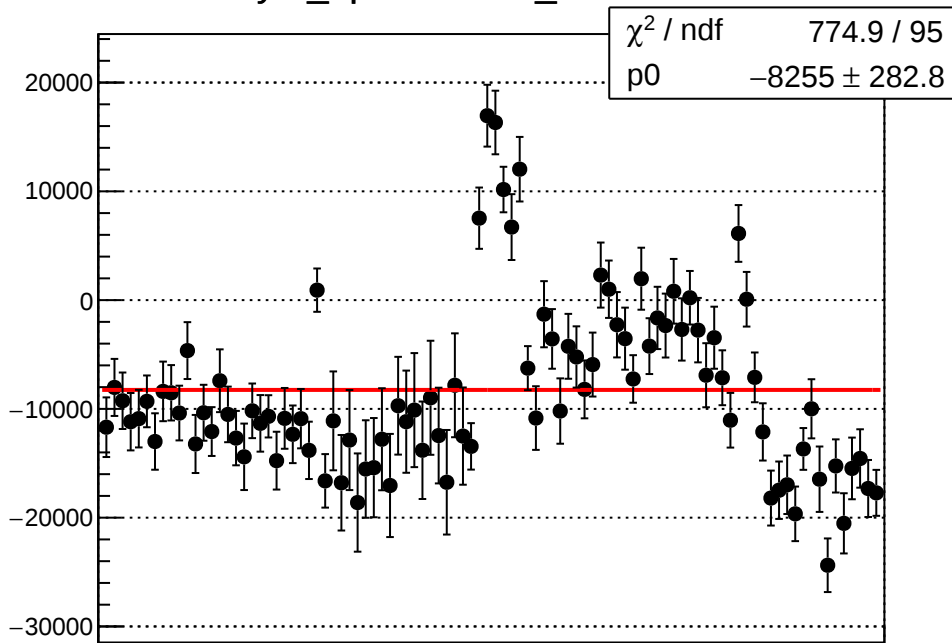
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200 220 240 260 280

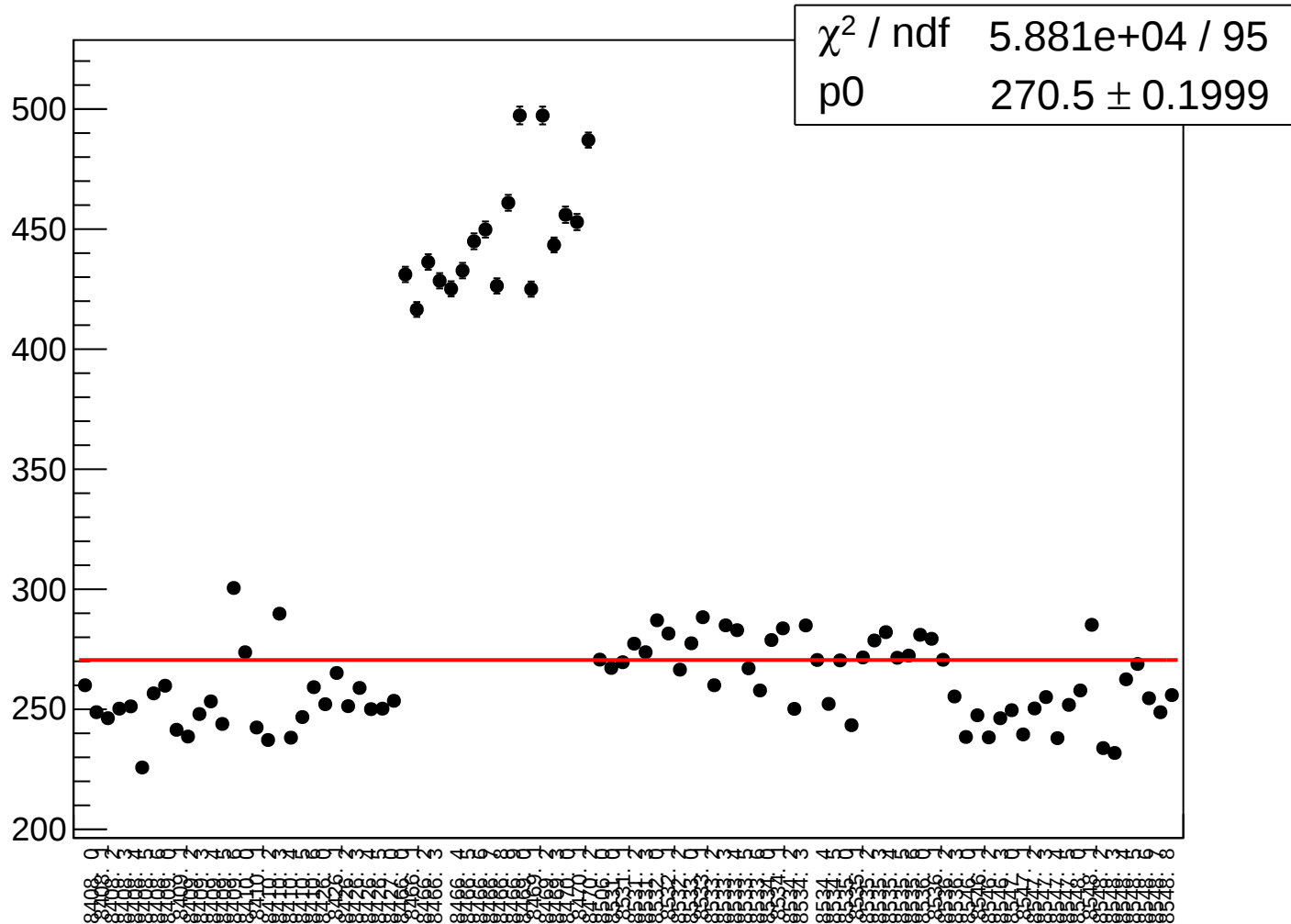
asym_bpm0i02aWS_rms vs run



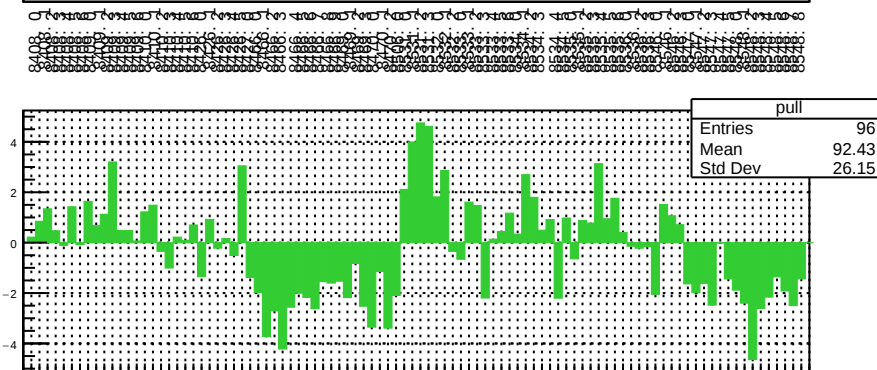
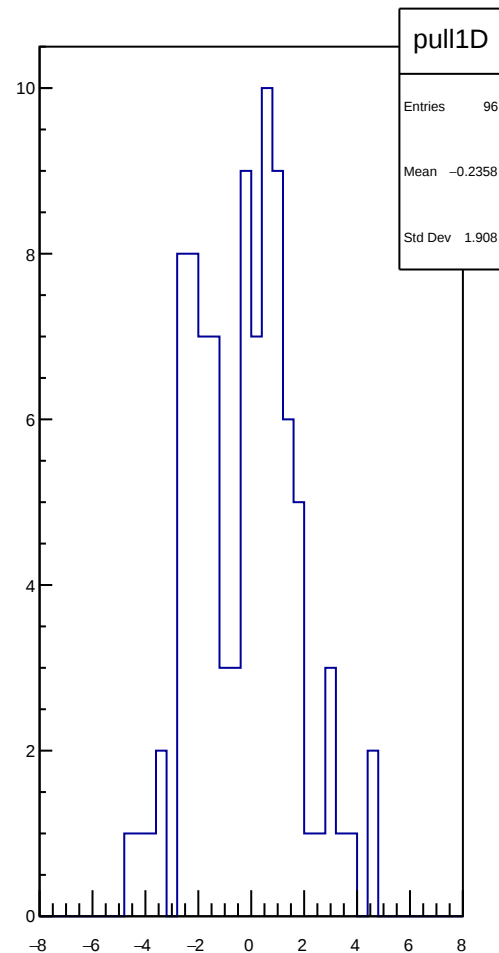
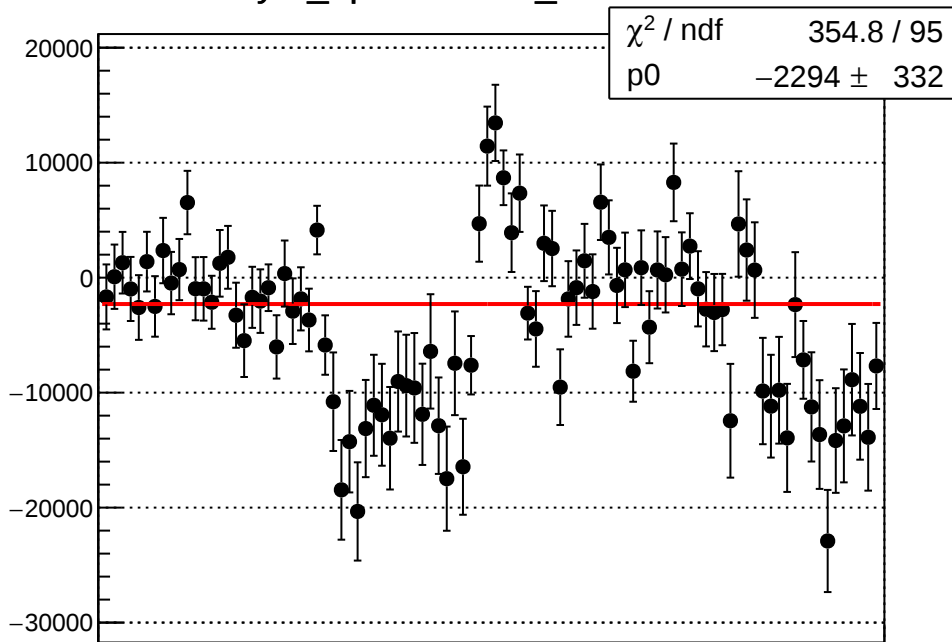
asym_bpm0i05WS_mean vs run



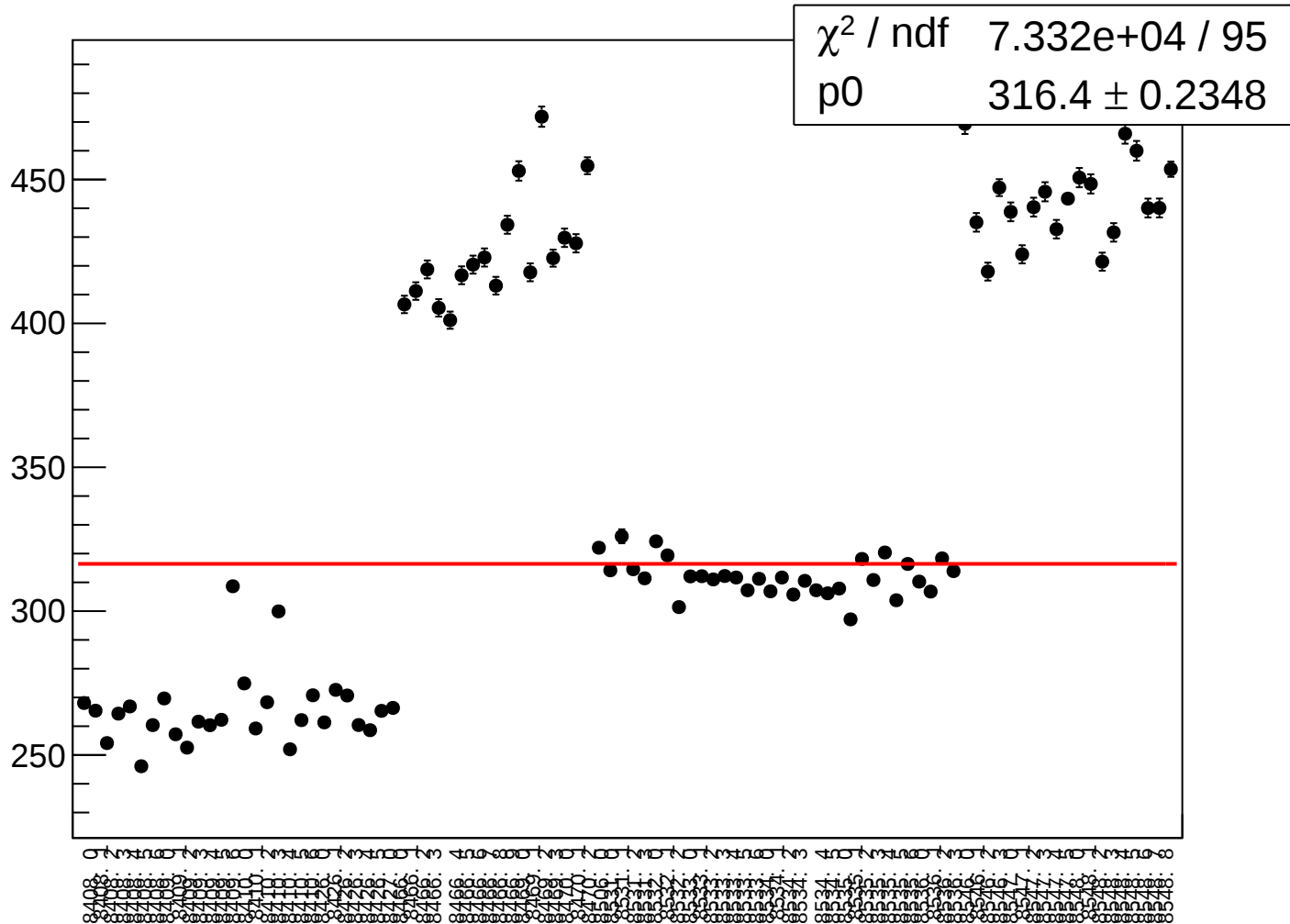
asym_bpm0i05WS_rms vs run



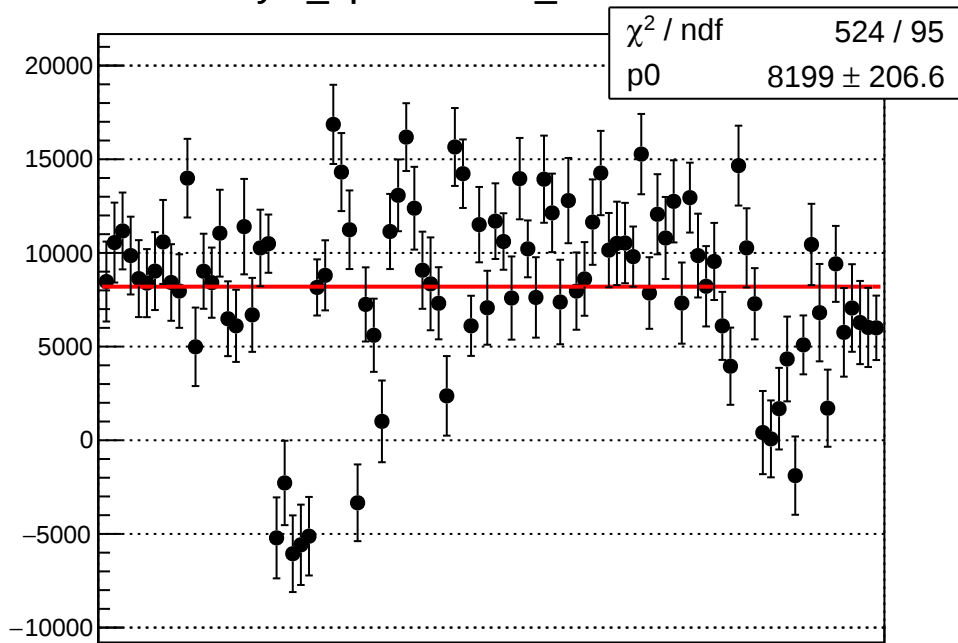
asym_bpm0i07WS_mean vs run



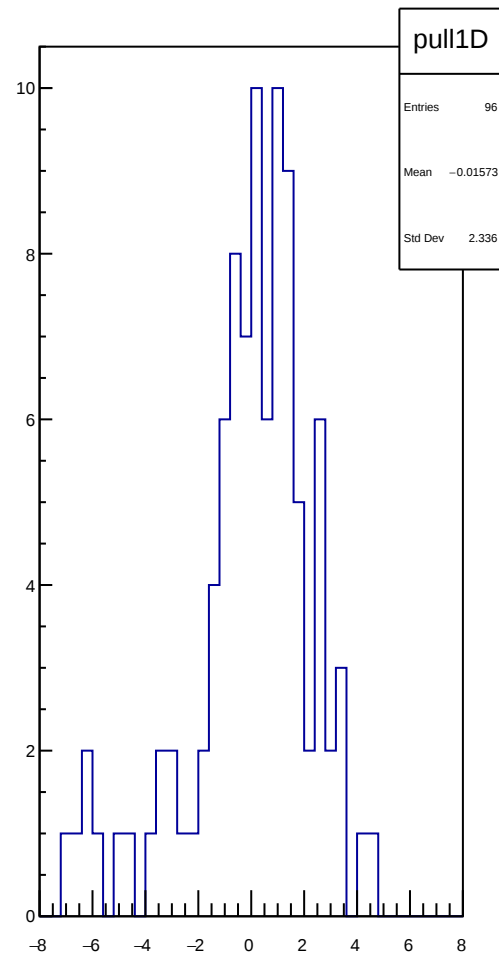
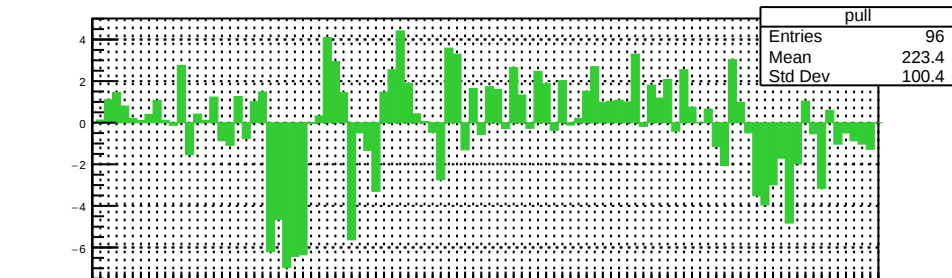
asym_bpm0i07WS_rms vs run



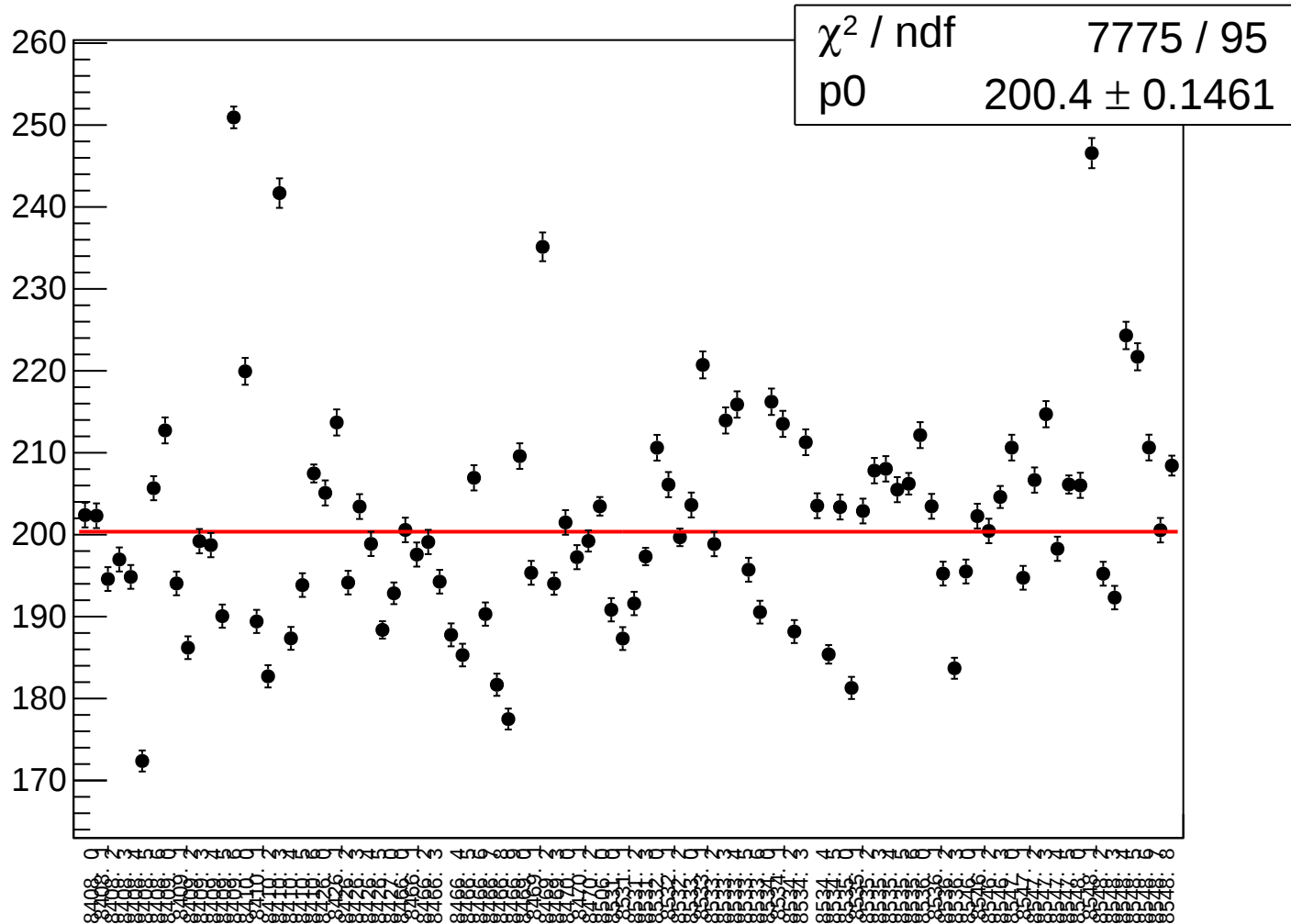
asym_bpm1i02WS_mean vs run



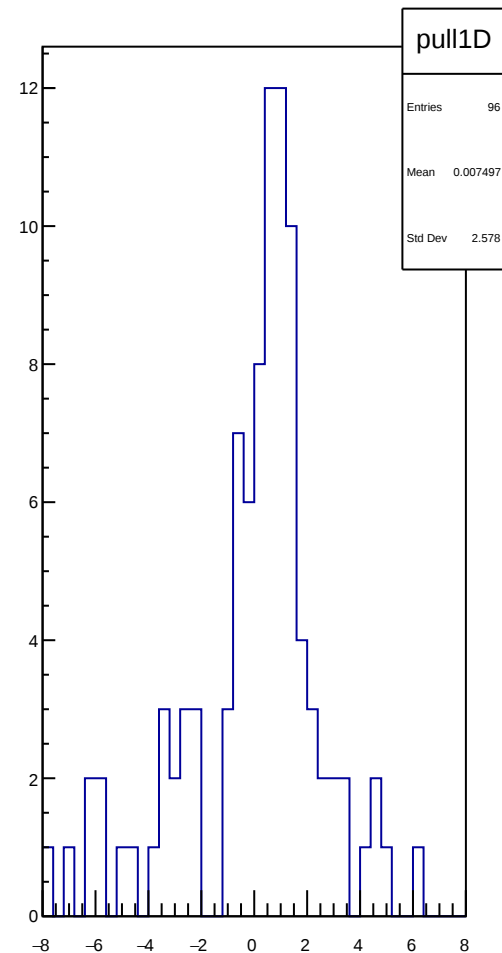
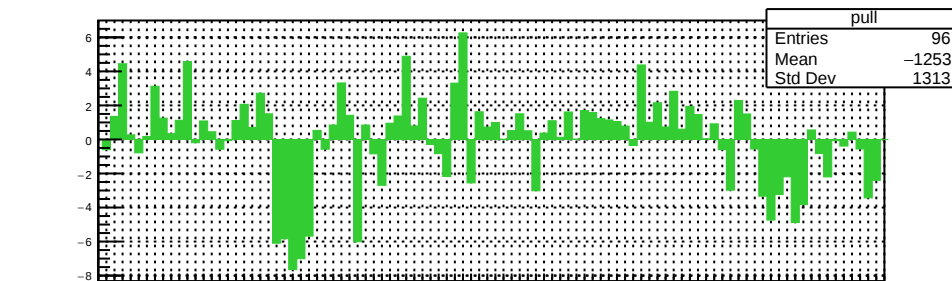
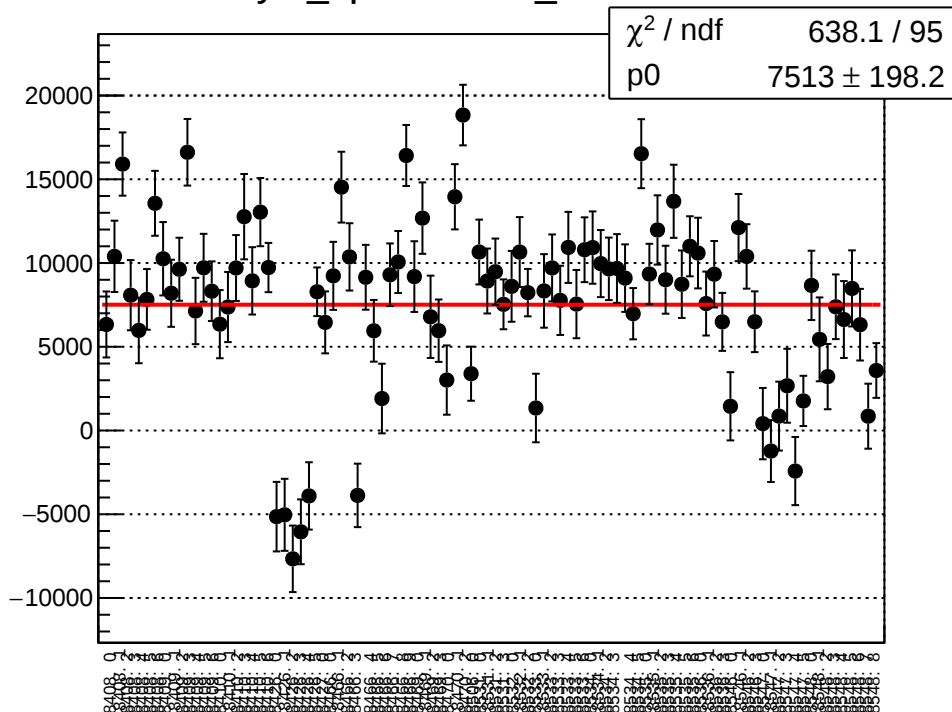
Correlation plot showing the distribution of data points (black circles with error bars) versus run. The y-axis ranges from -10000 to 20000. The x-axis represents run numbers. A red horizontal line indicates the fit. The plot shows a clear correlation between the data points and the fit line.



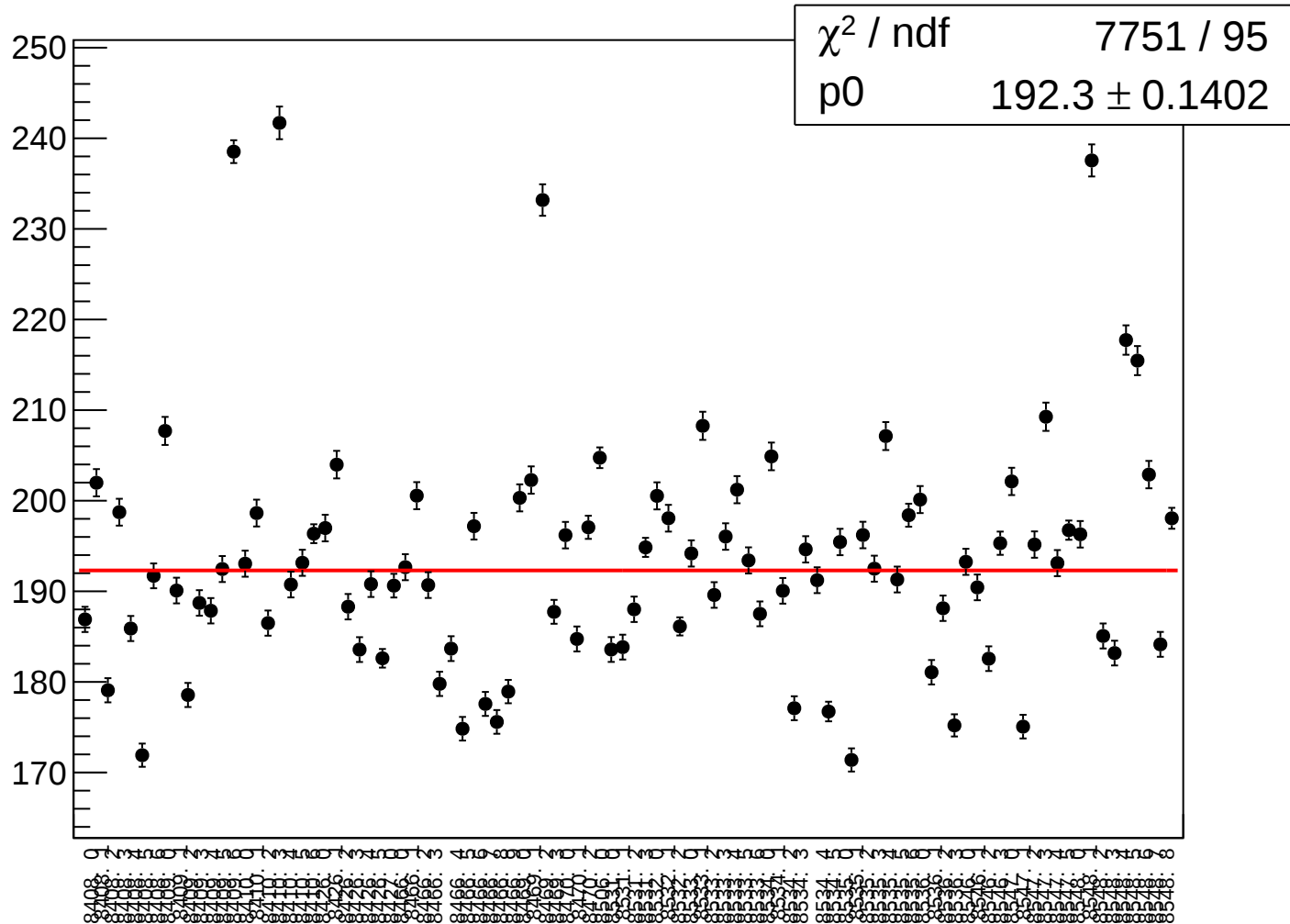
asym_bpm1i02WS_rms vs run



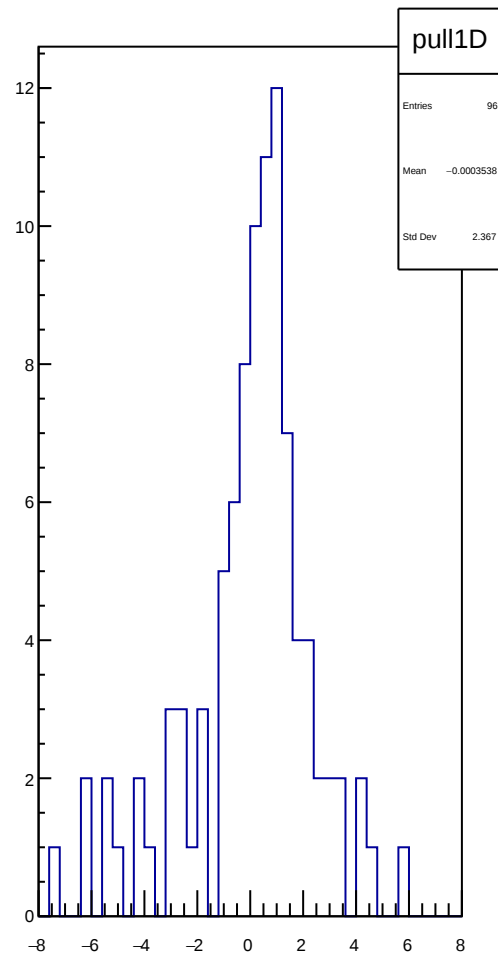
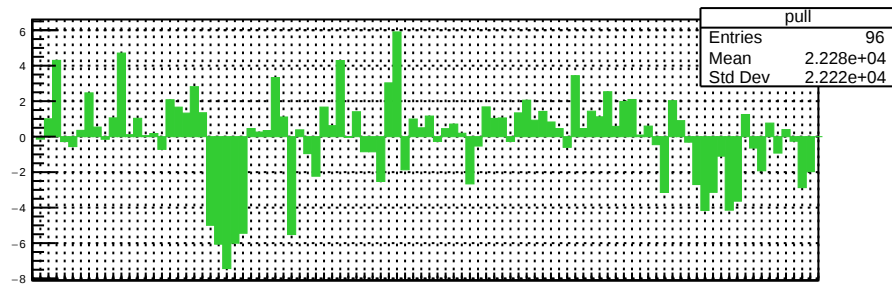
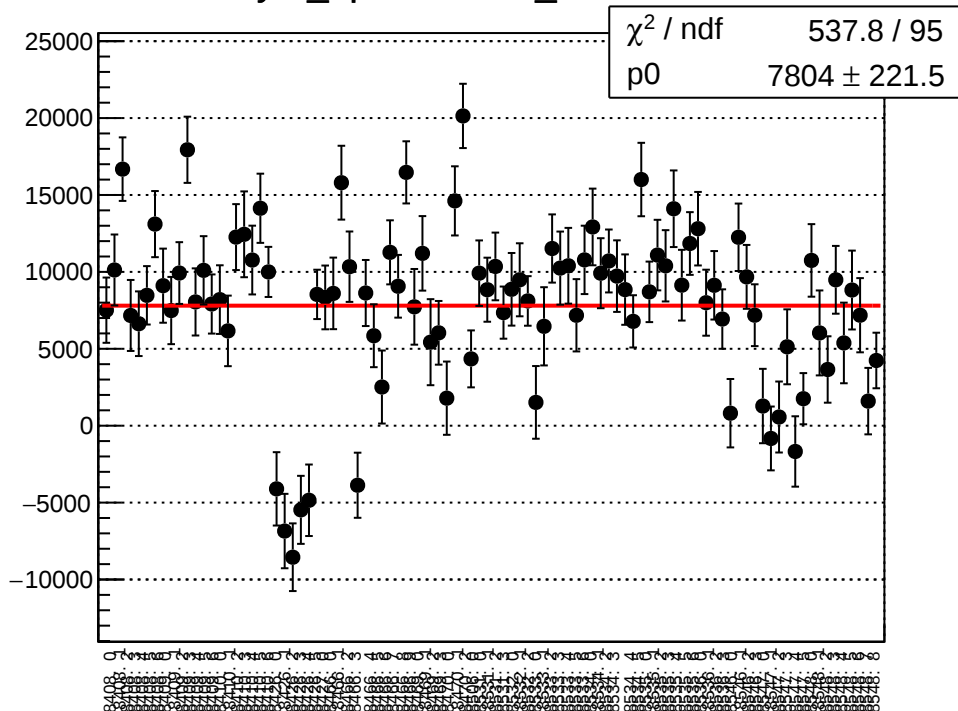
asym_bpm2i01WS_mean vs run



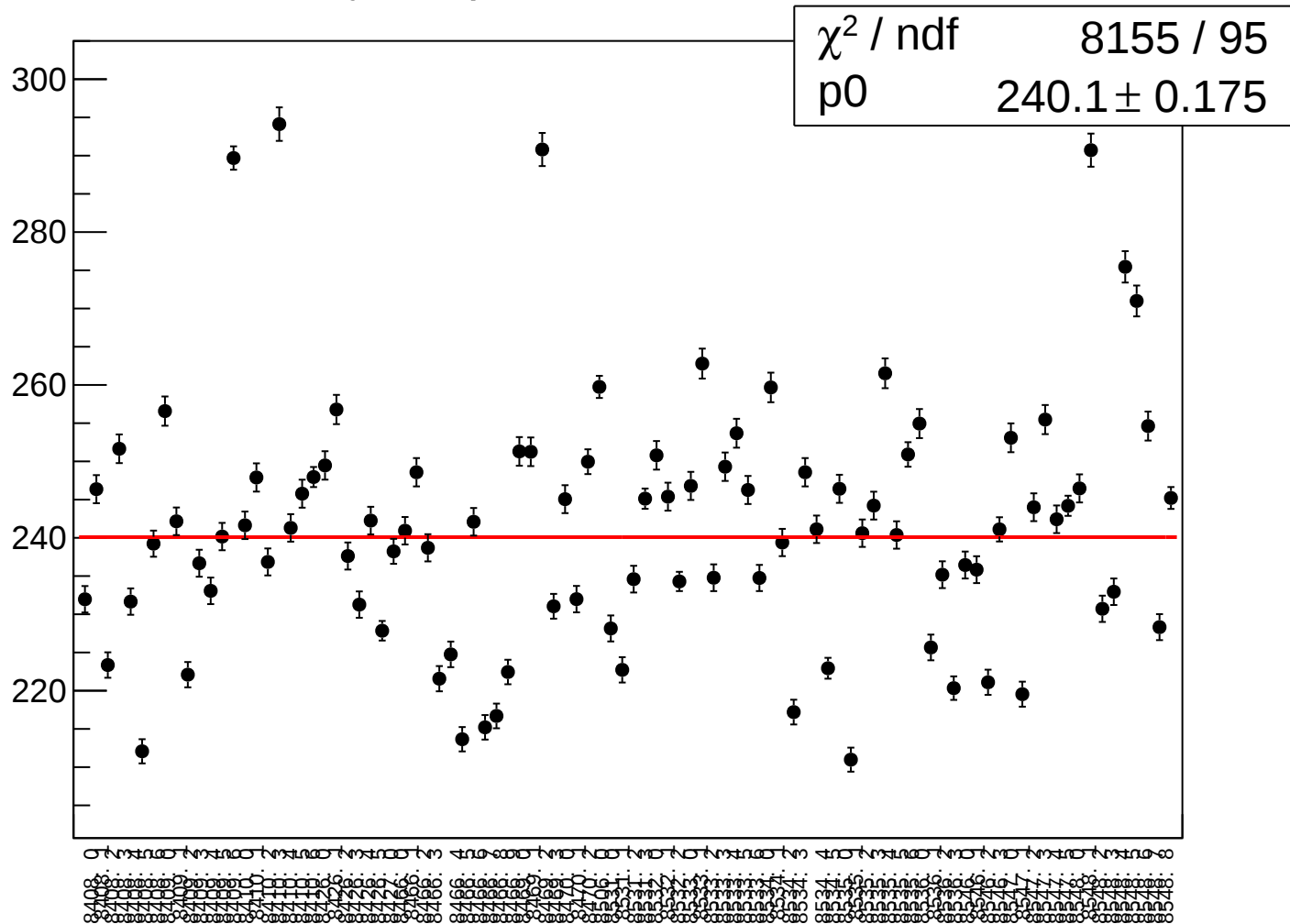
asym_bpm2i01WS_rms vs run



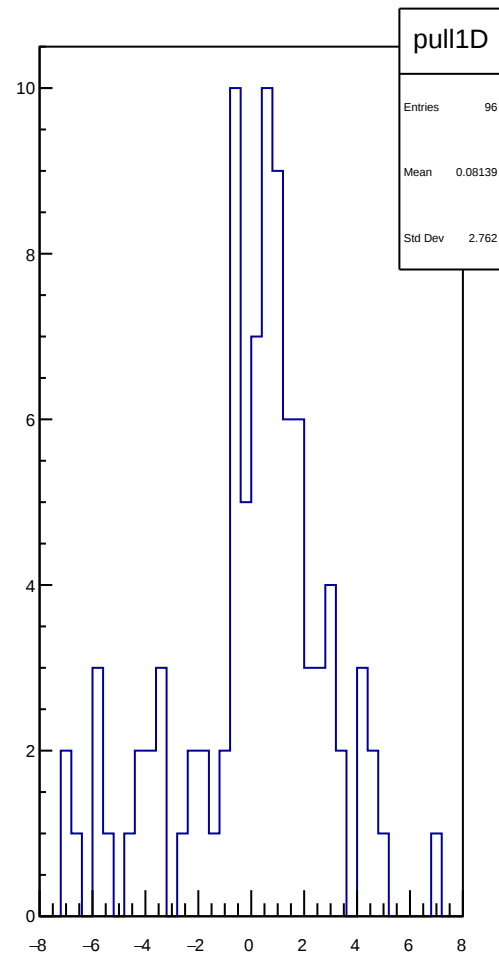
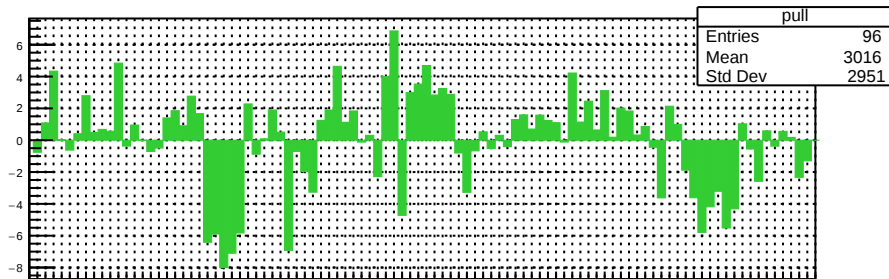
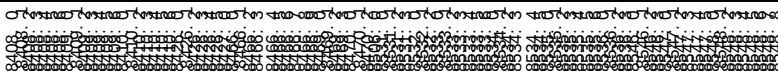
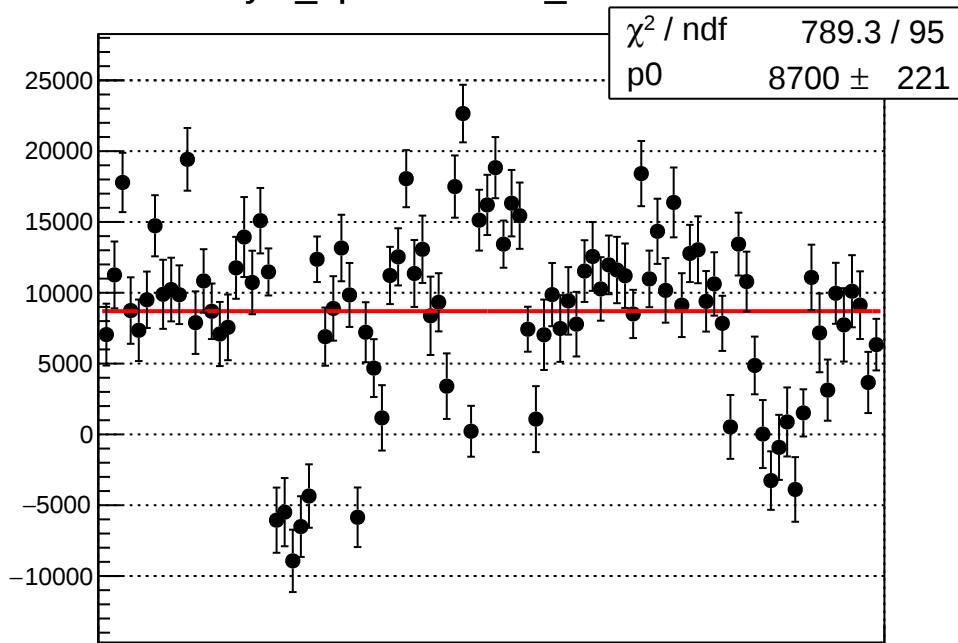
asym_bpm2i02WS_mean vs run



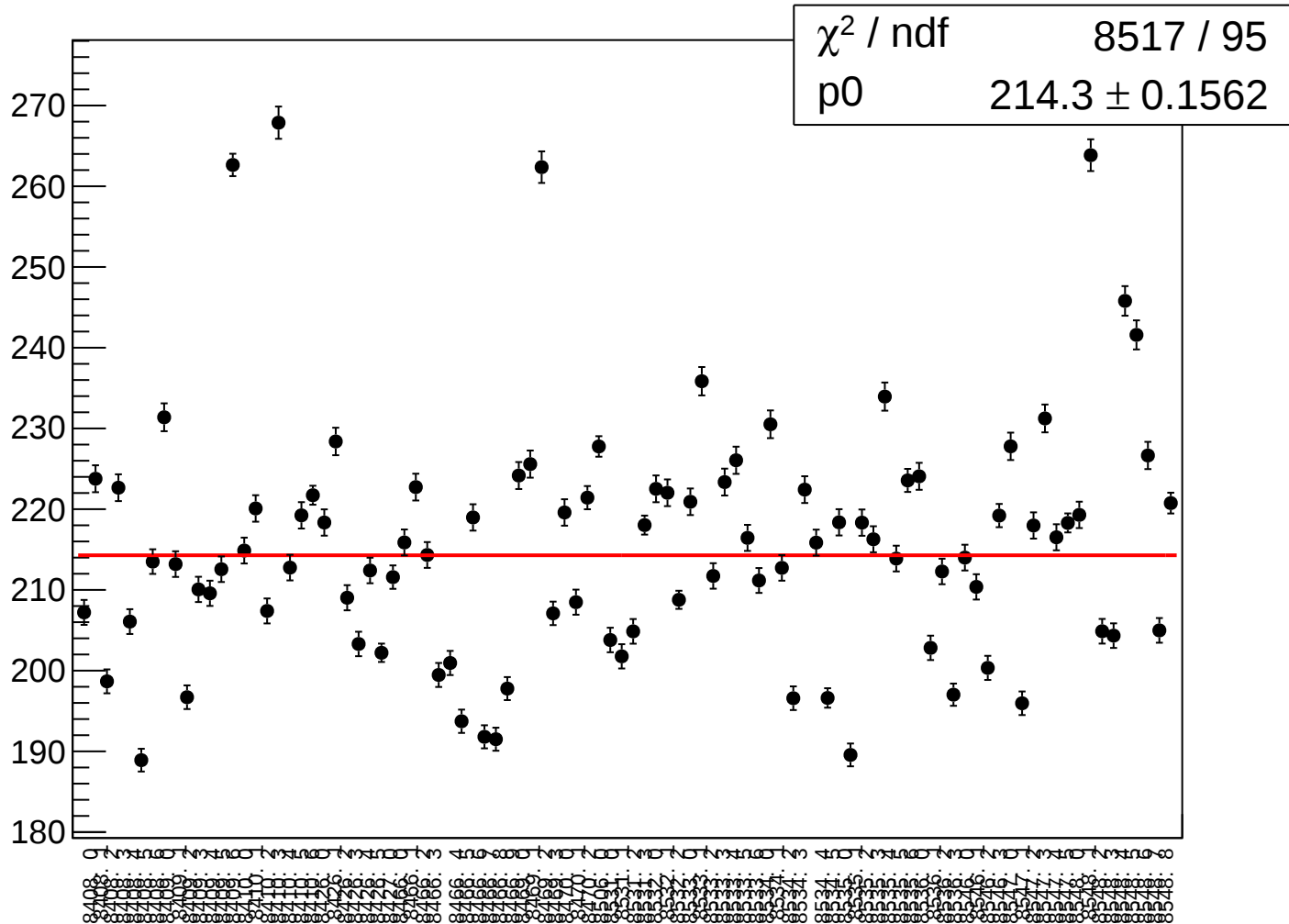
asym_bpm0i01WS_rms vs run



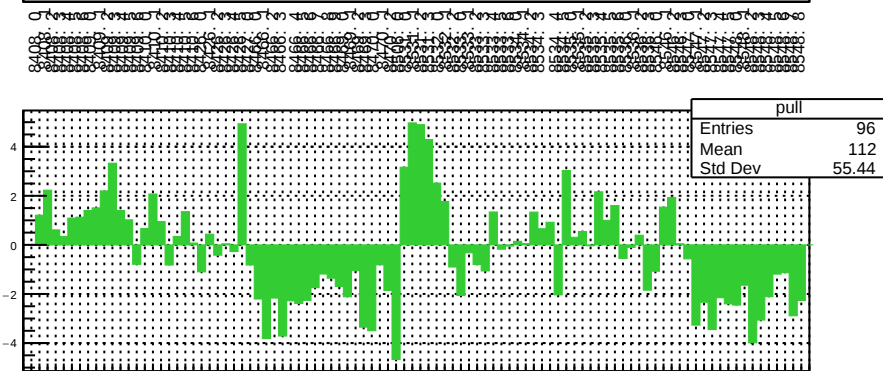
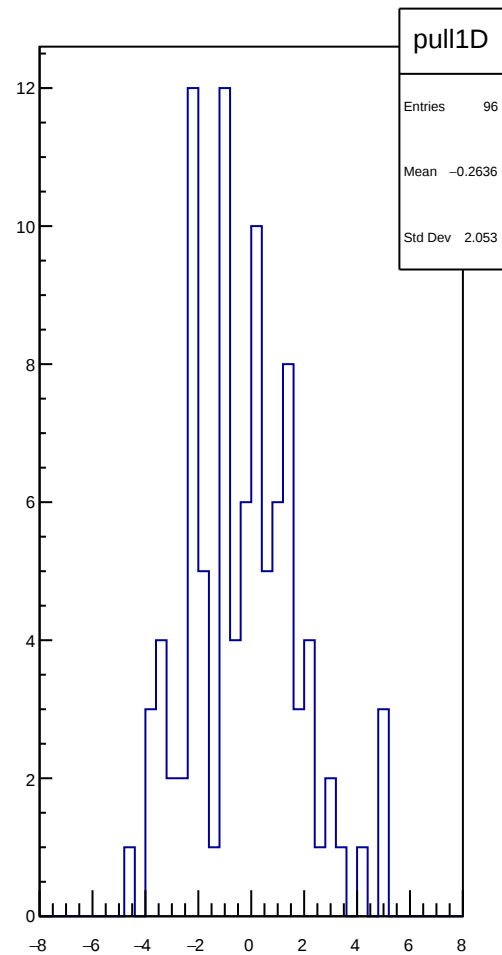
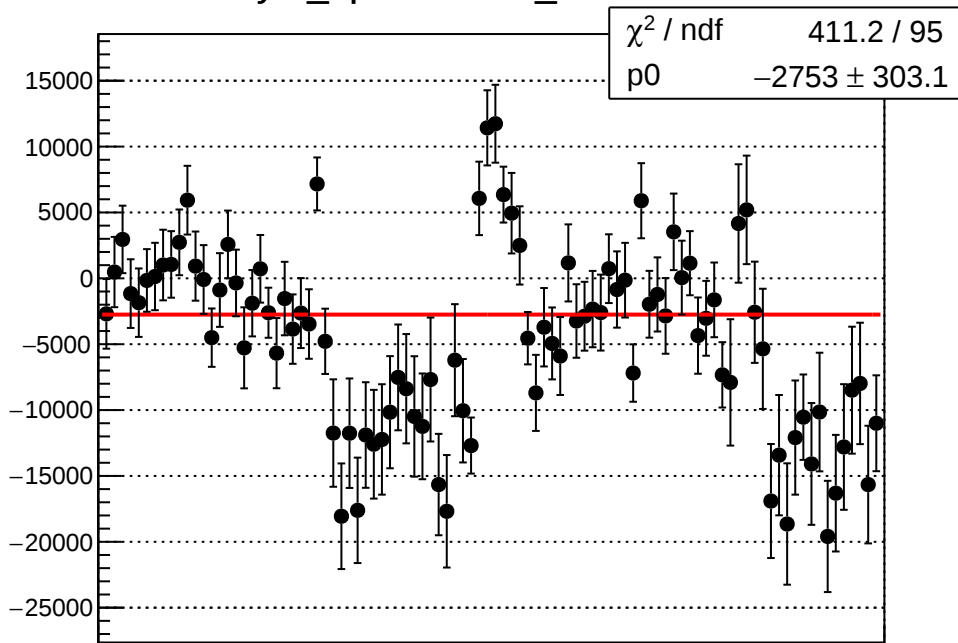
asym_bpm0i01aWS_mean vs run



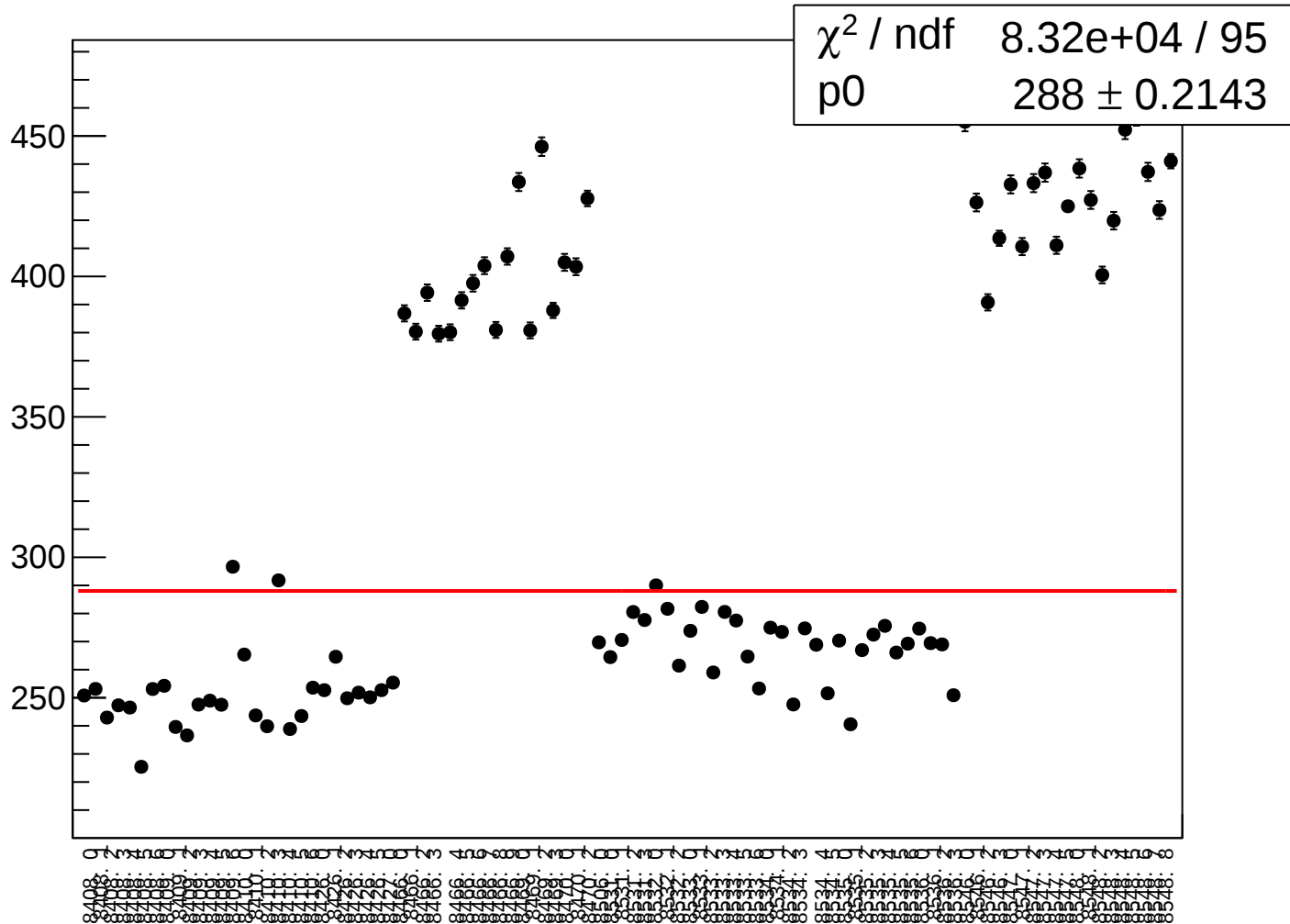
asym_bpm0i01aWS_rms vs run



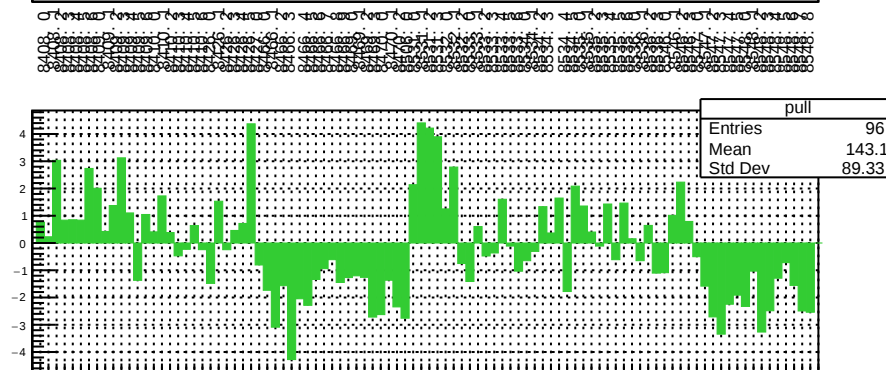
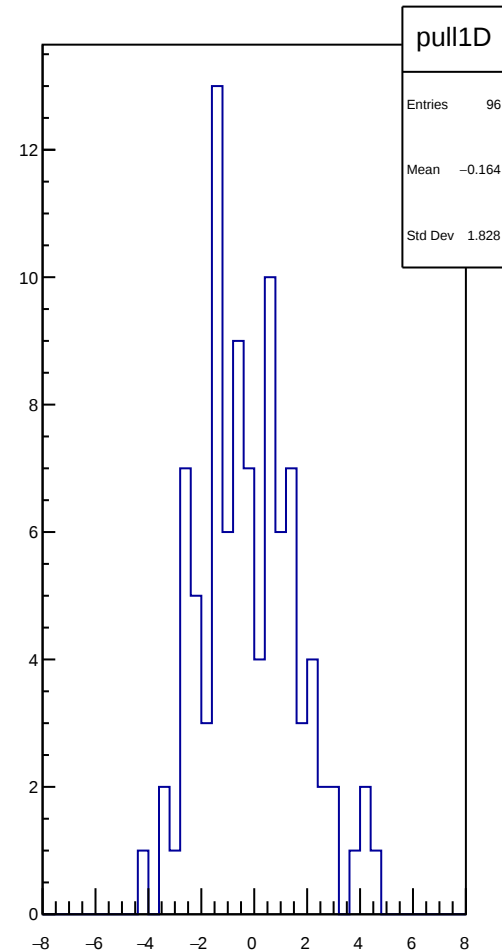
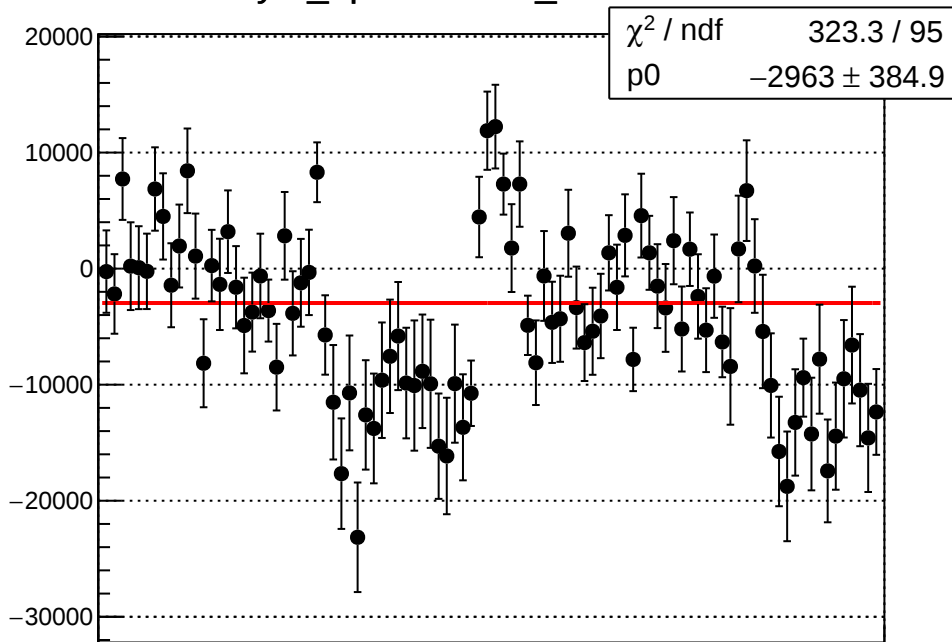
asym_bpm0l01WS_mean vs run



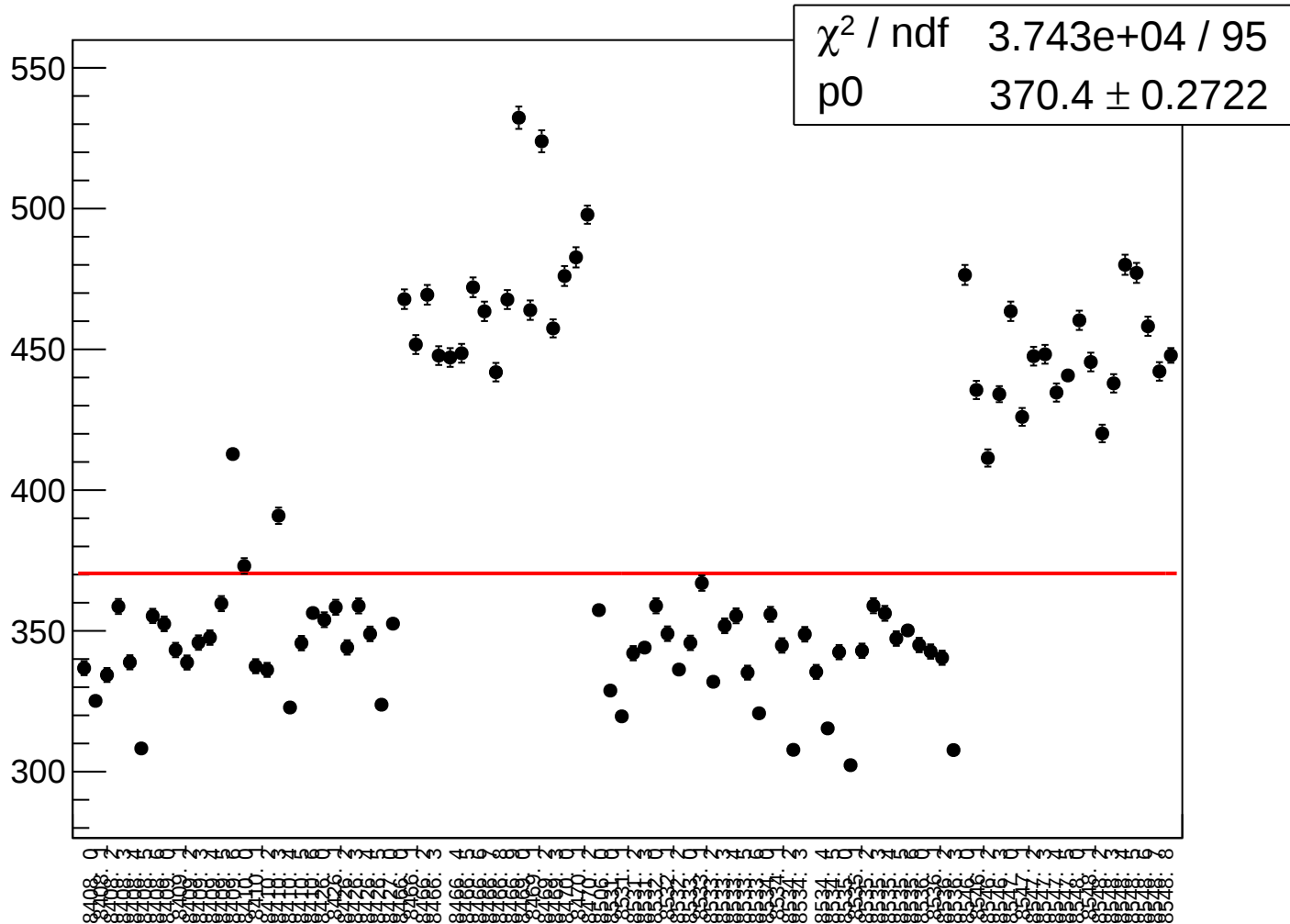
asym_bpm0l01WS_rms vs run



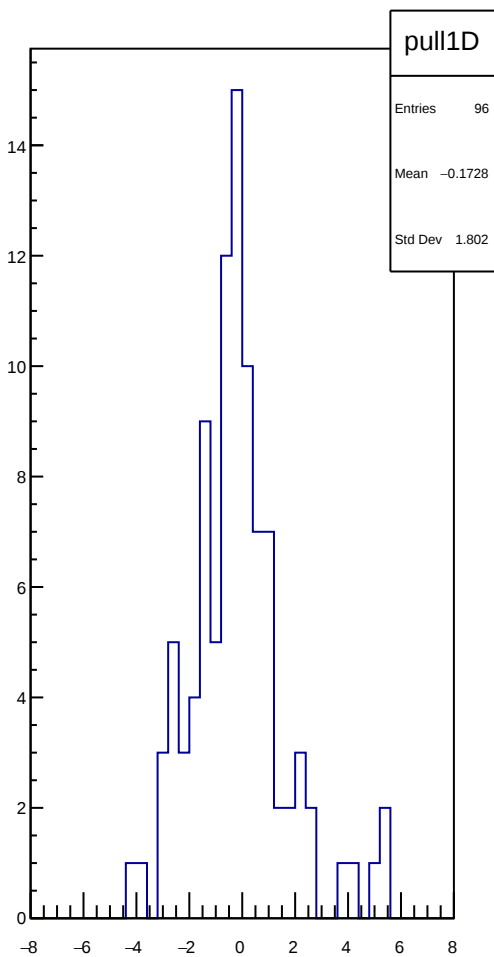
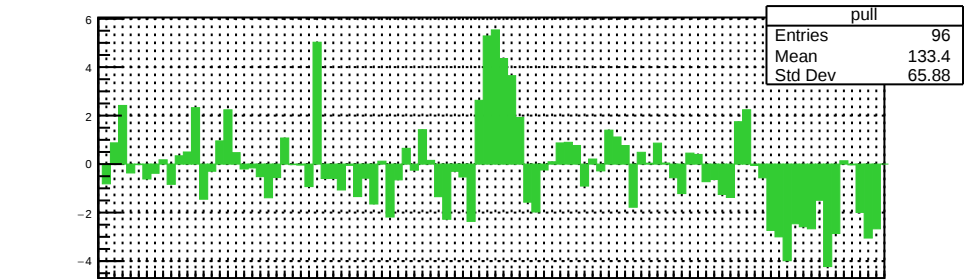
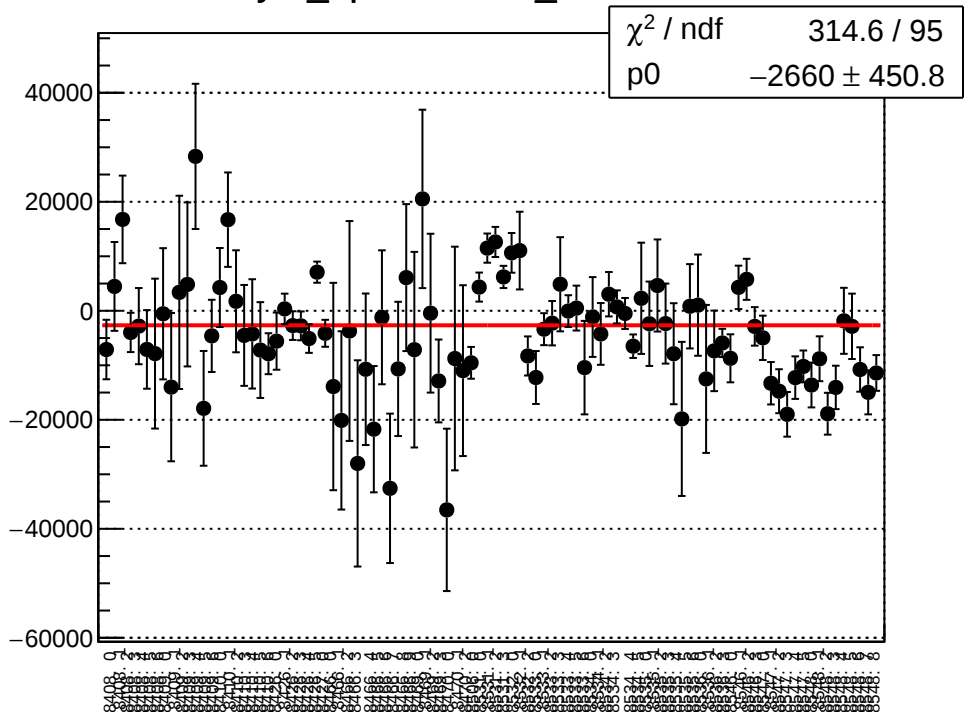
asym_bpm0l02WS_mean vs run



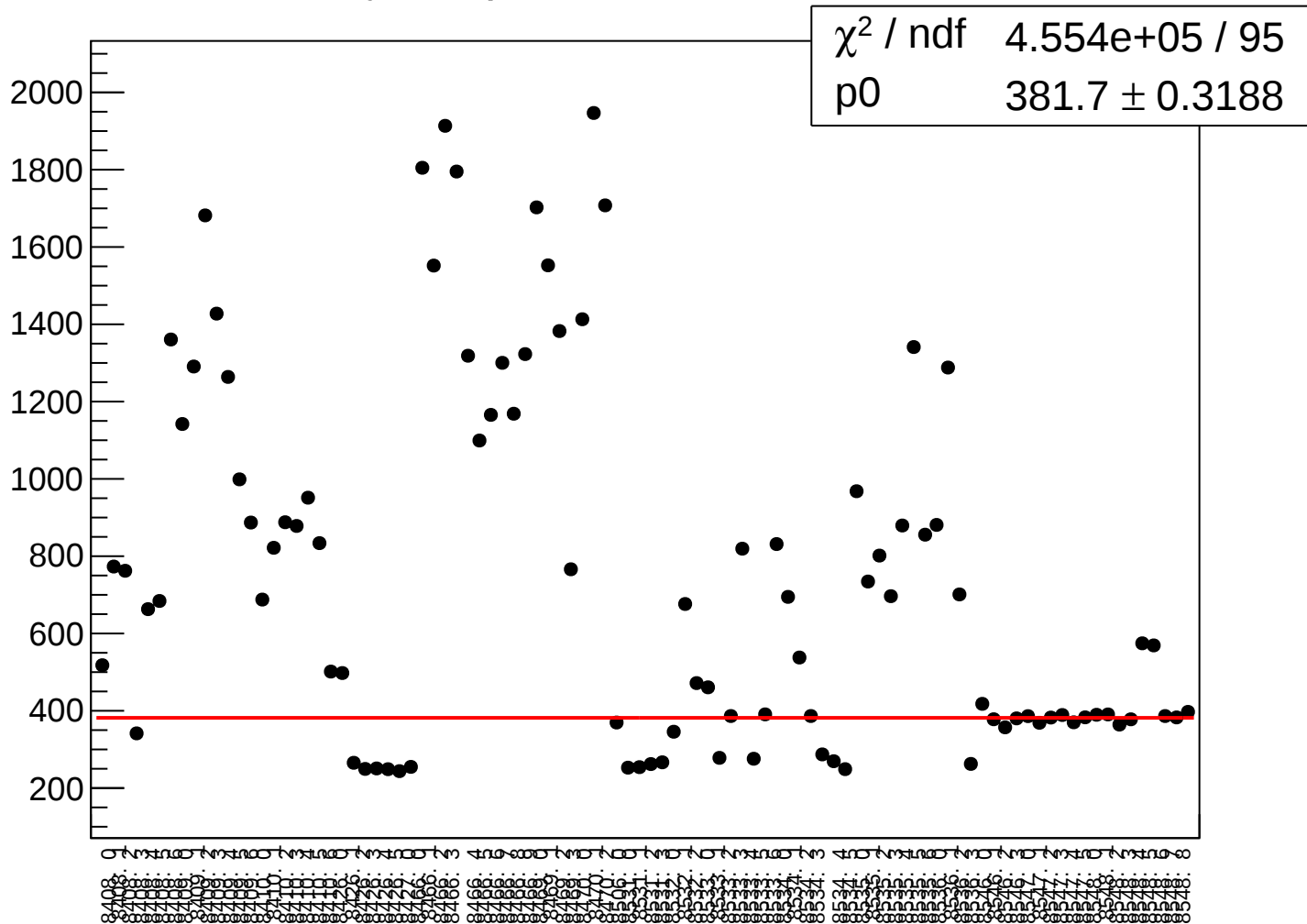
asym_bpm0l02WS_rms vs run



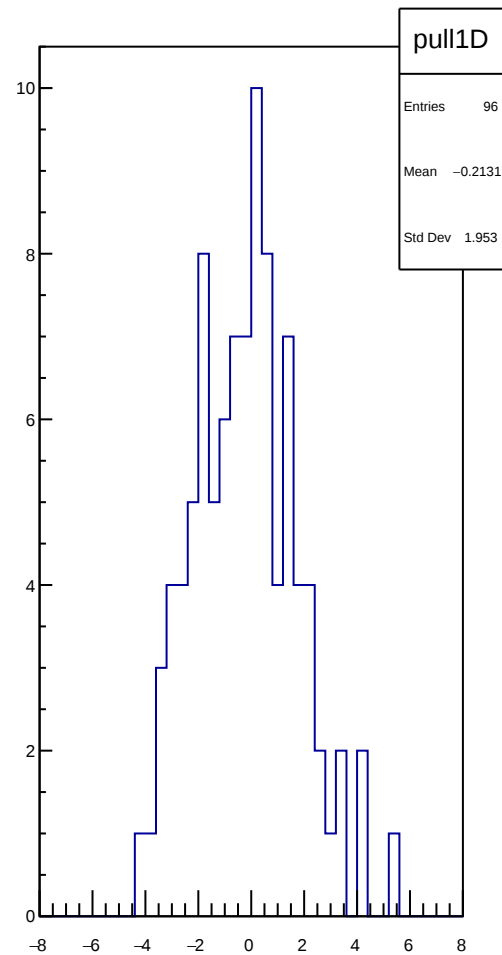
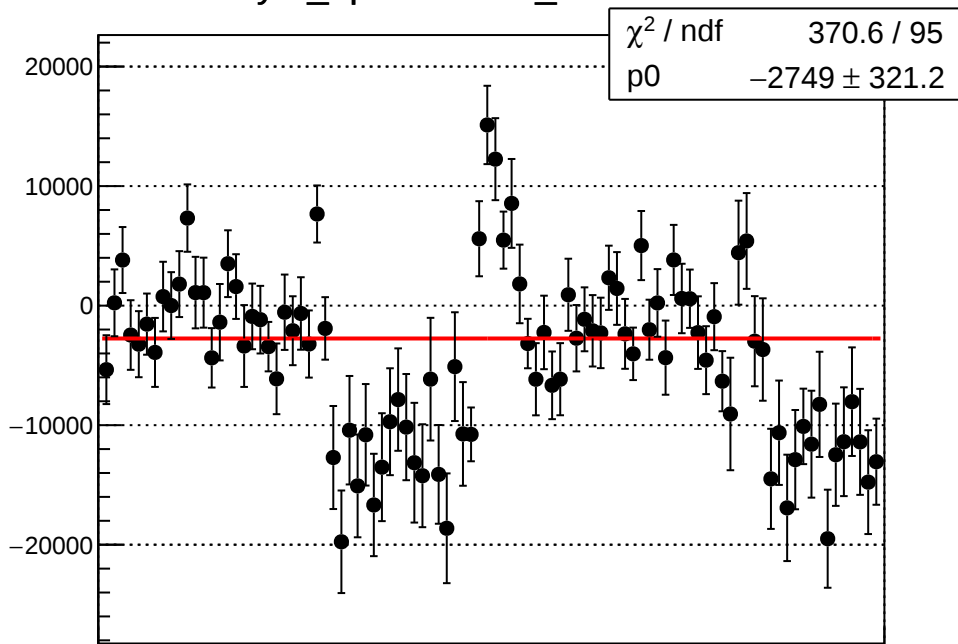
asym_bpm0l03WS_mean vs run



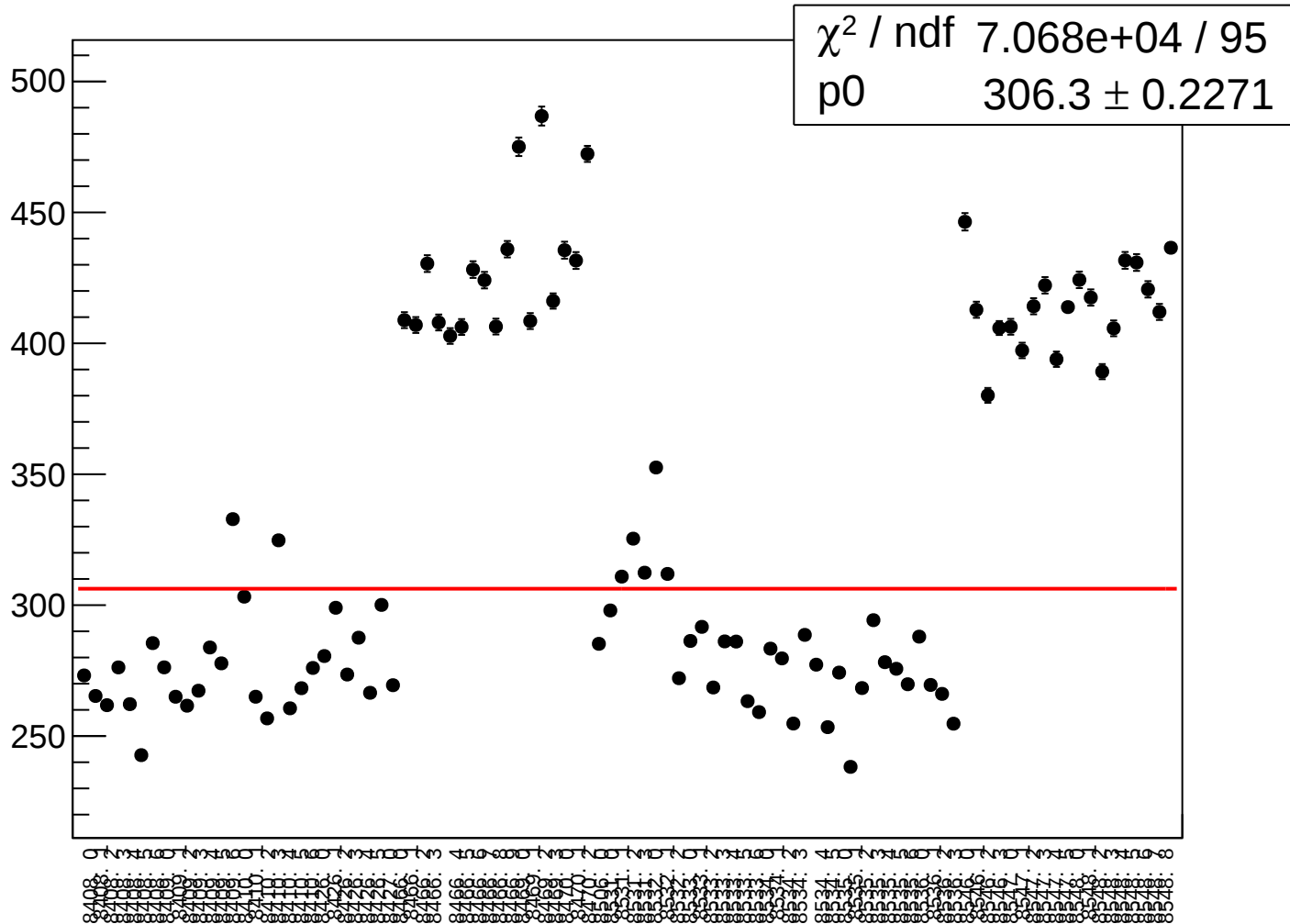
asym_bpm0l03WS_rms vs run



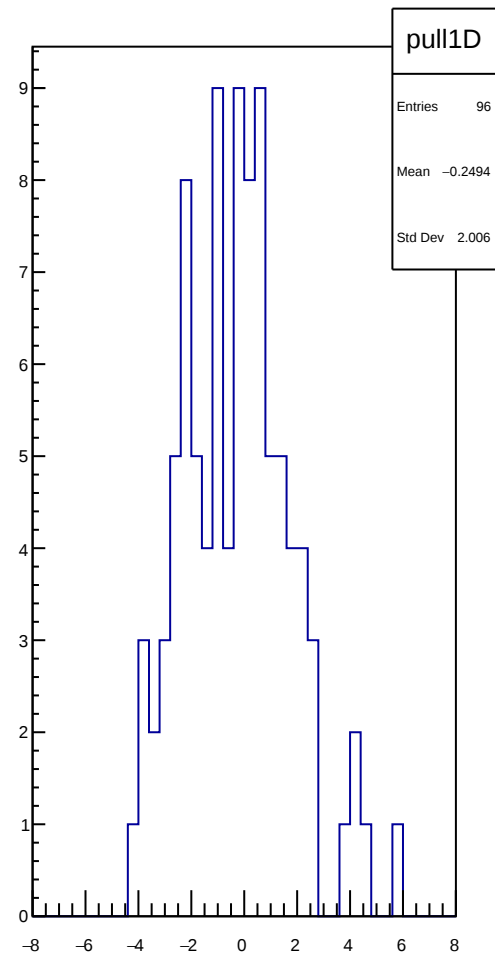
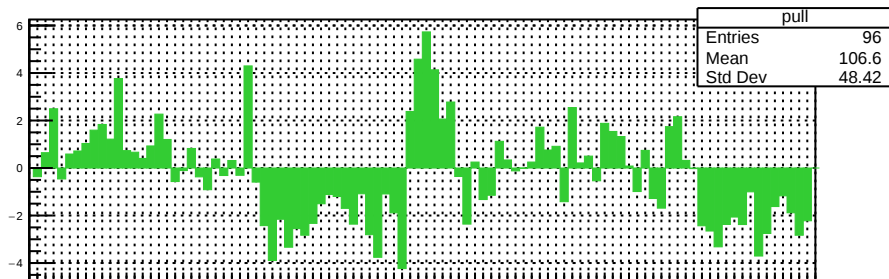
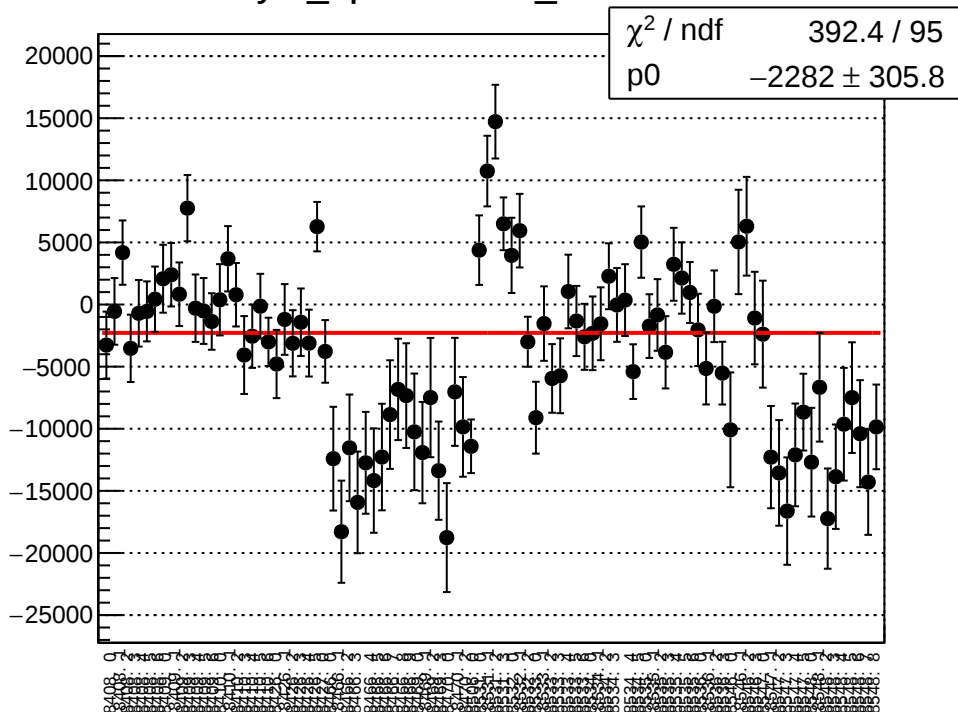
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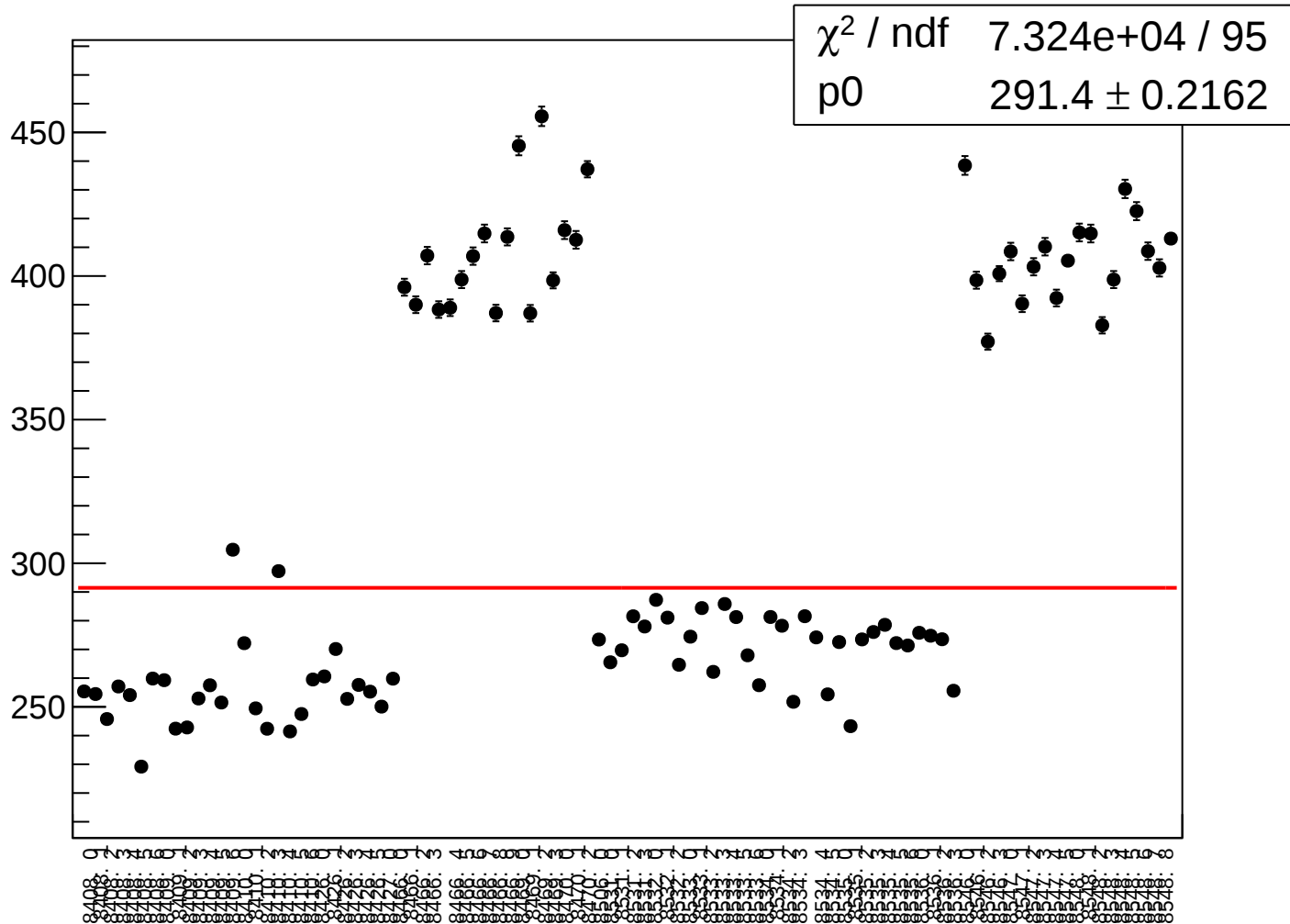
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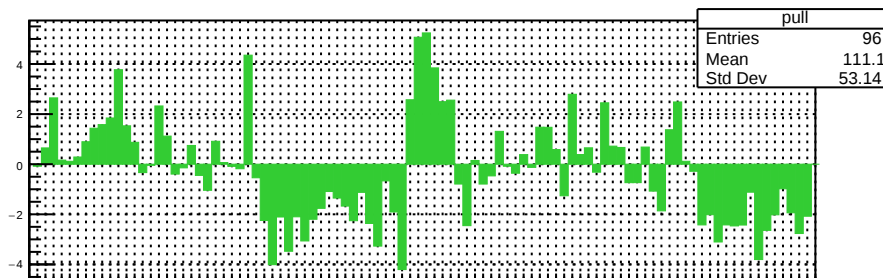
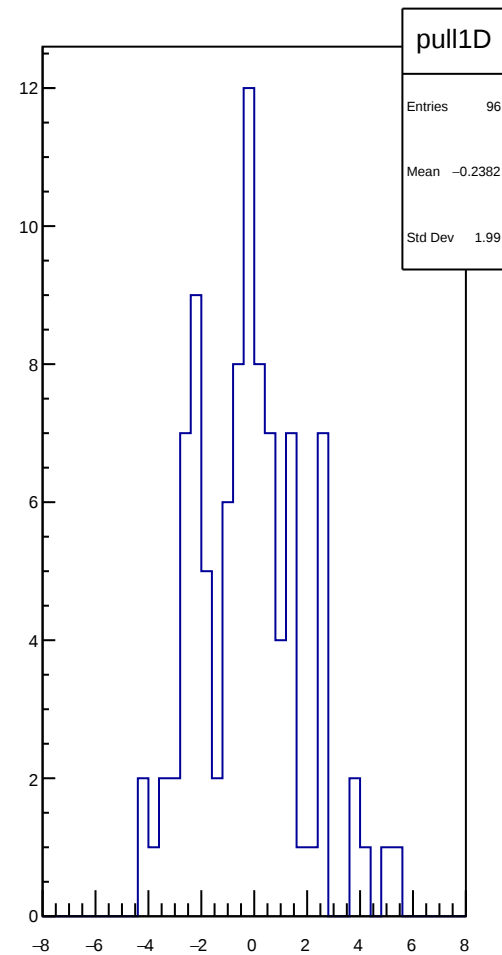
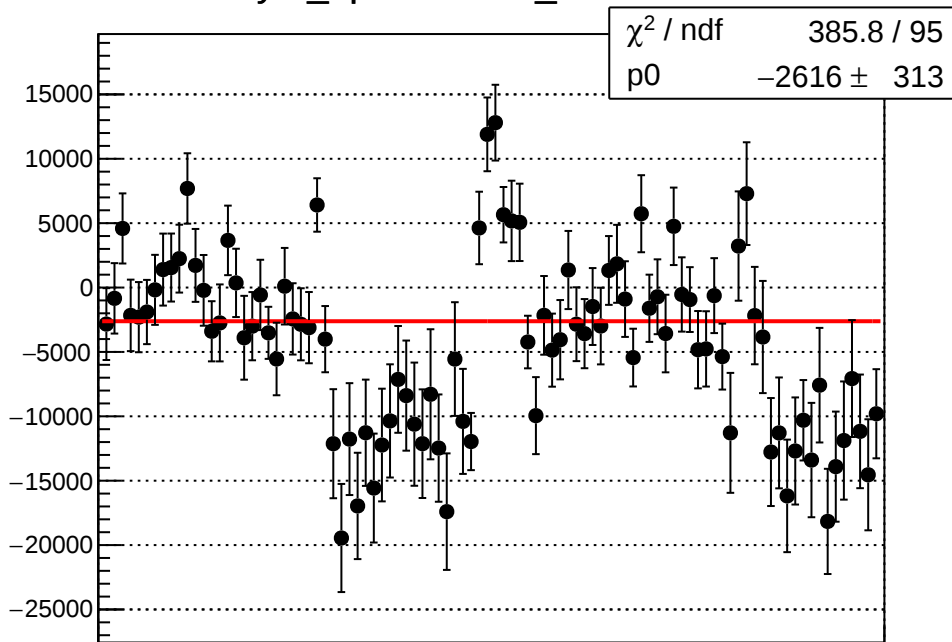
asym_bpm0l05WS_mean vs run



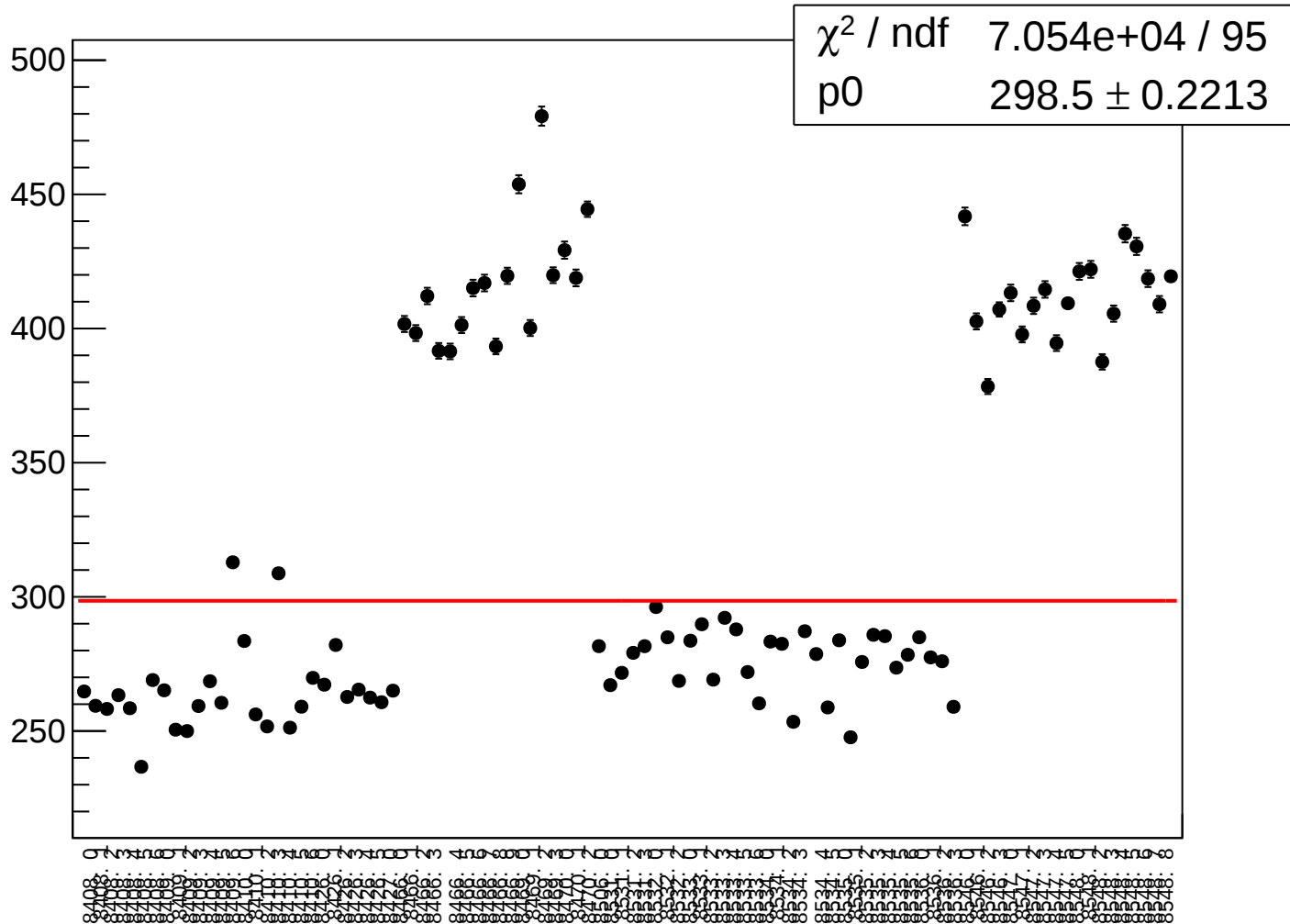
asym_bpm0l05WS_rms vs run



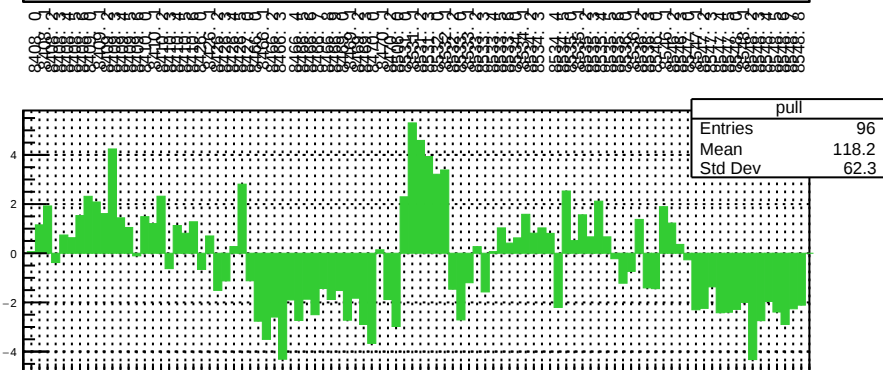
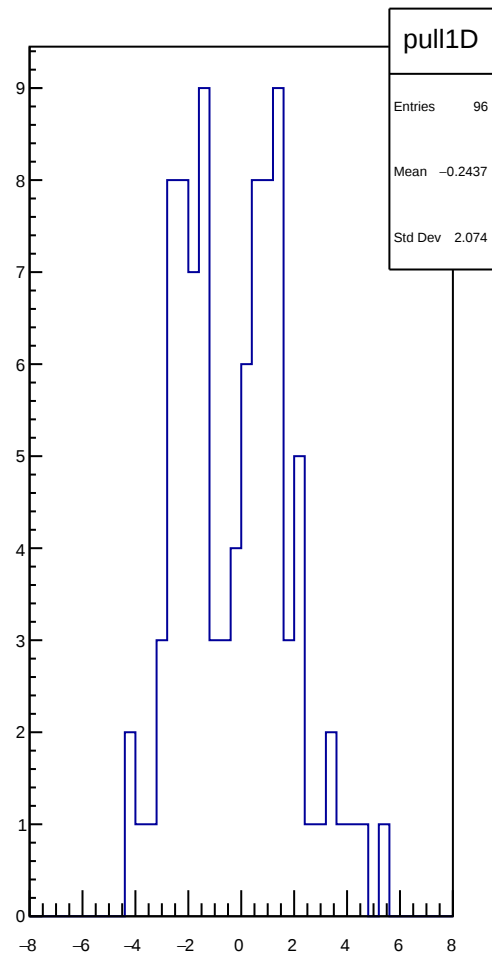
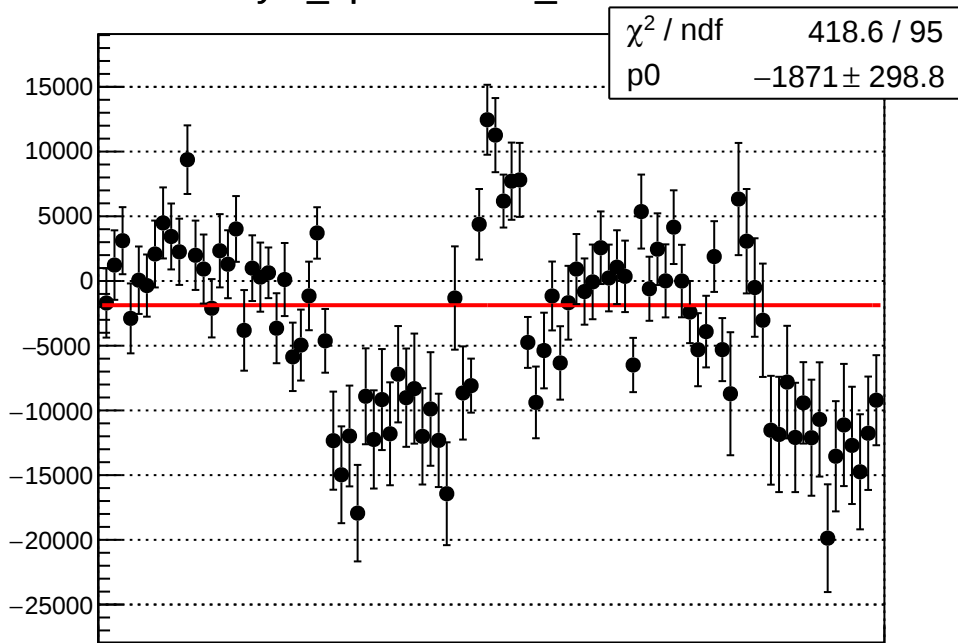
asym_bpm0I06WS_mean vs run



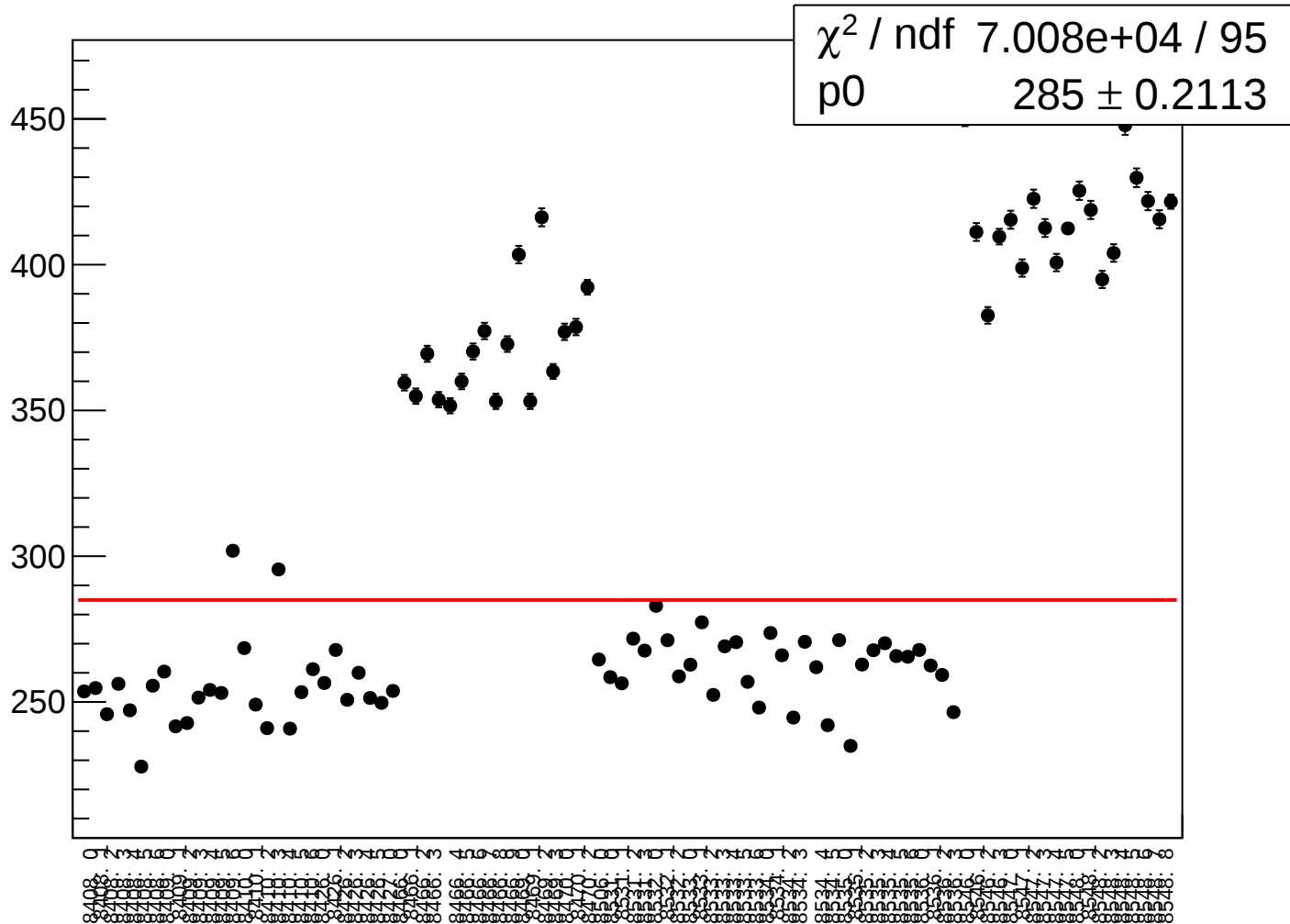
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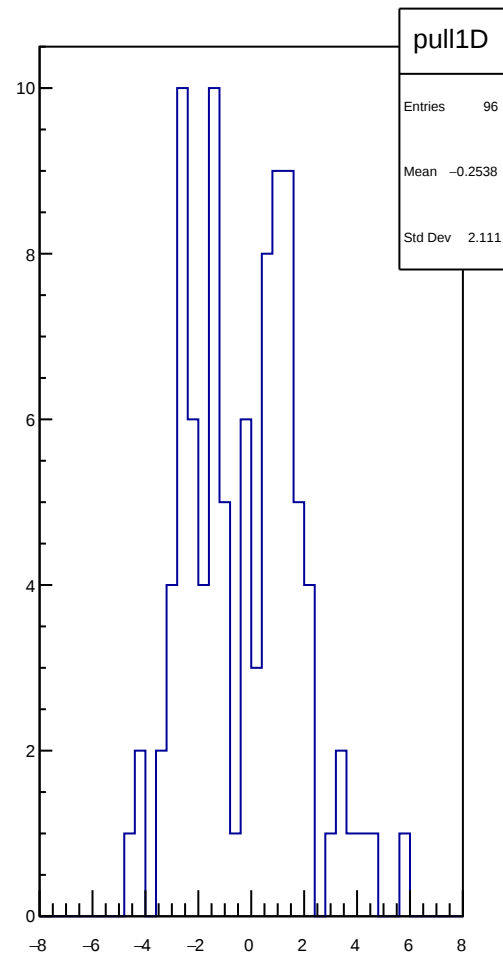
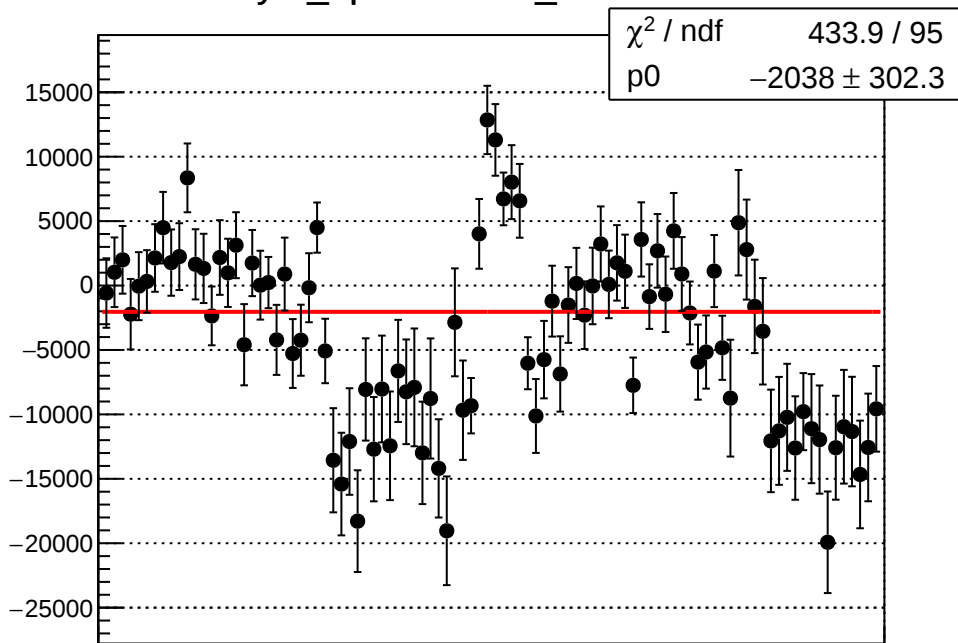
asym_bpm0l07WS_mean vs run



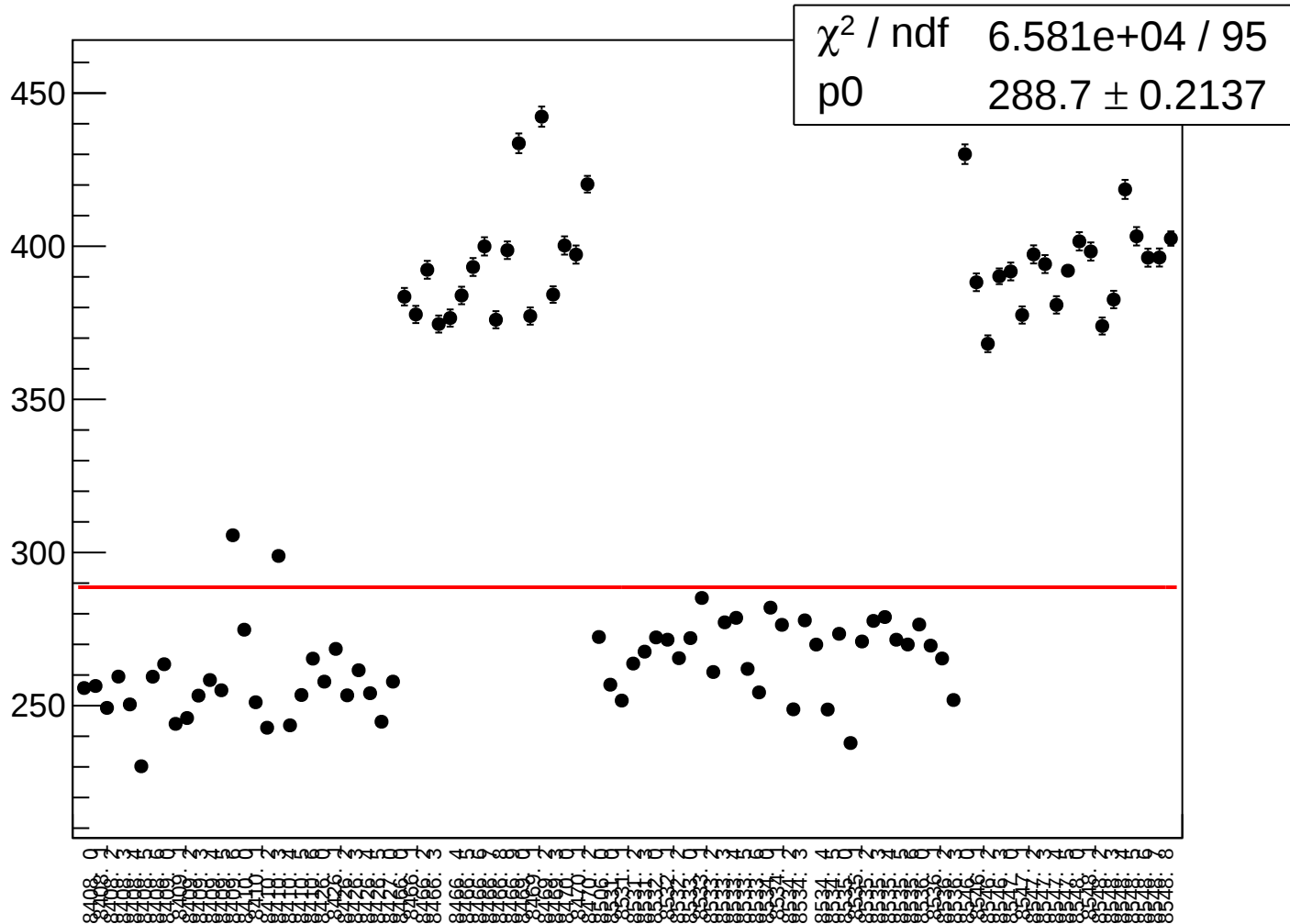
asym_bpm0l07WS_rms vs run



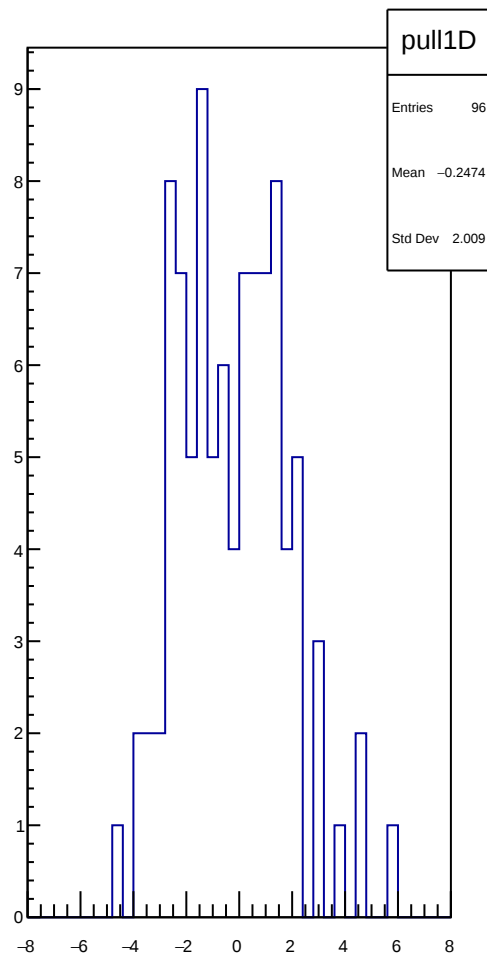
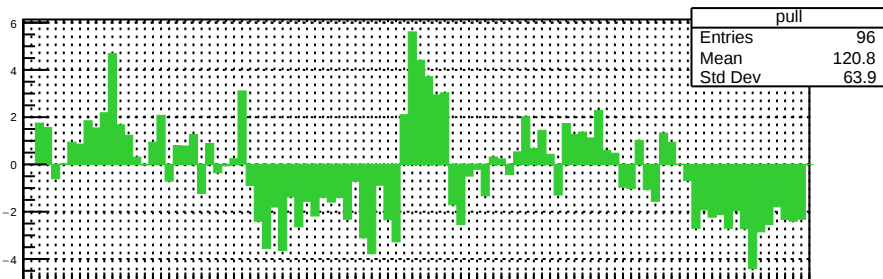
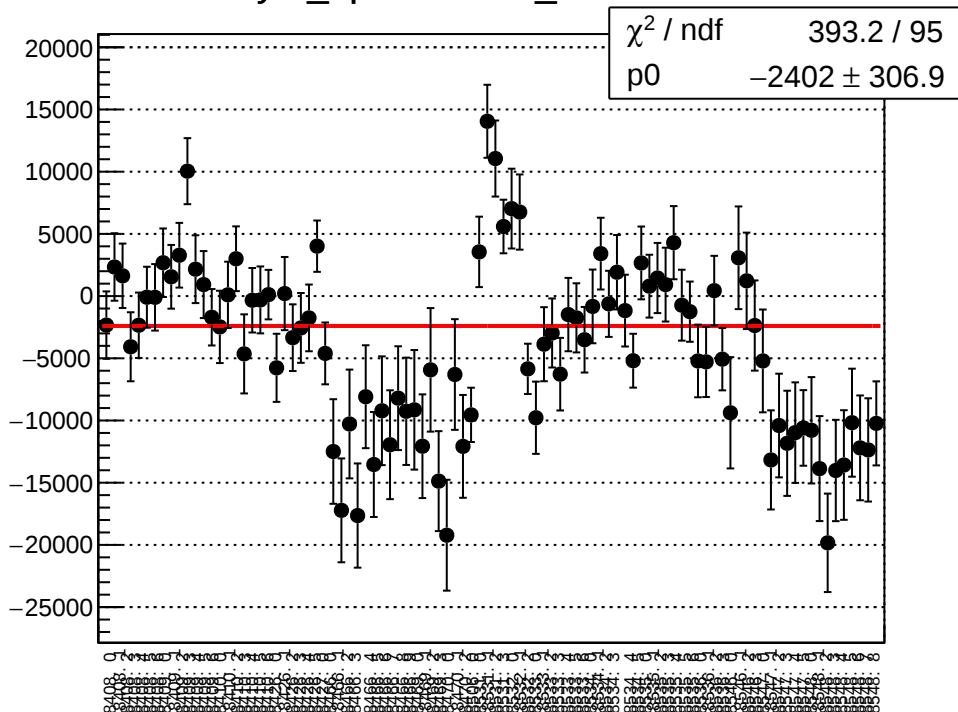
asym_bpm0l08WS_mean vs run



asym_bpm0l08WS_rms vs run

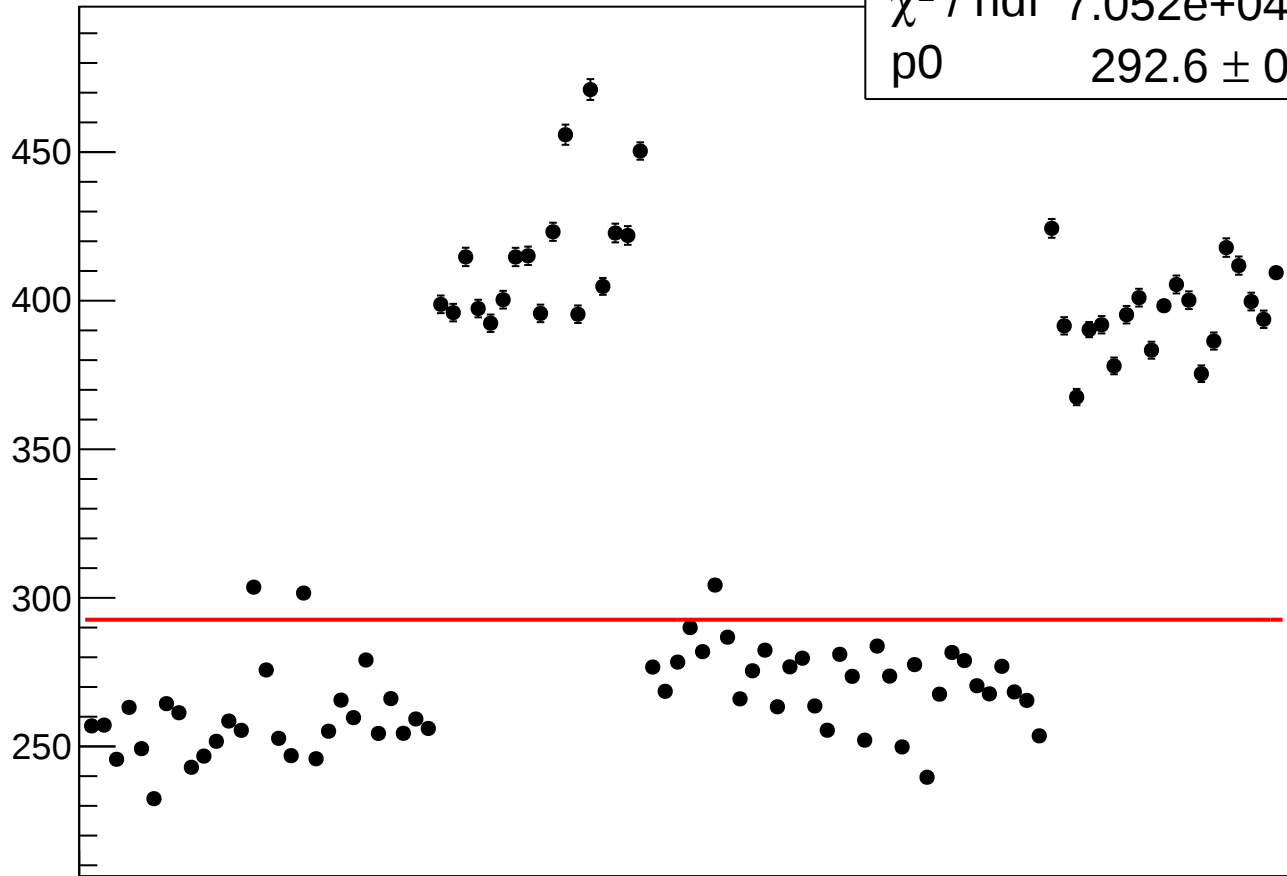


asym_bpm0l09WS_mean vs run



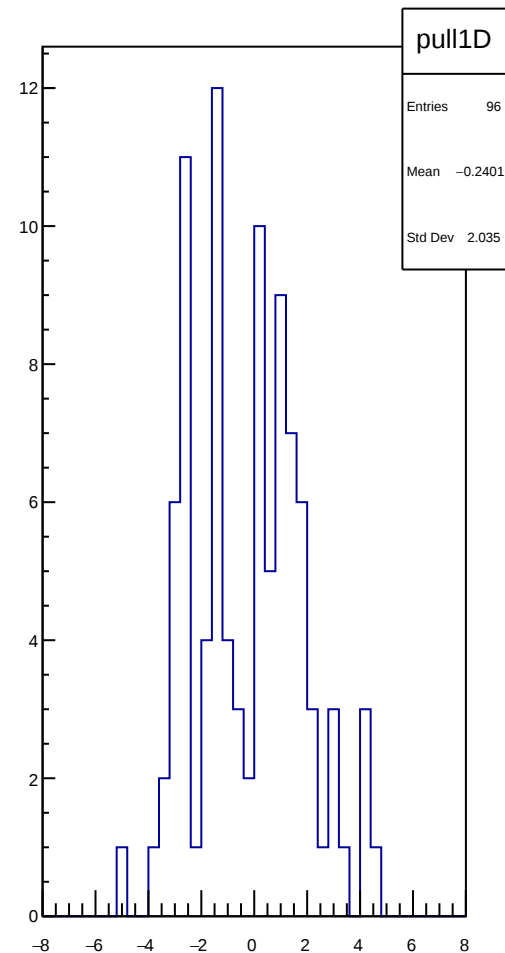
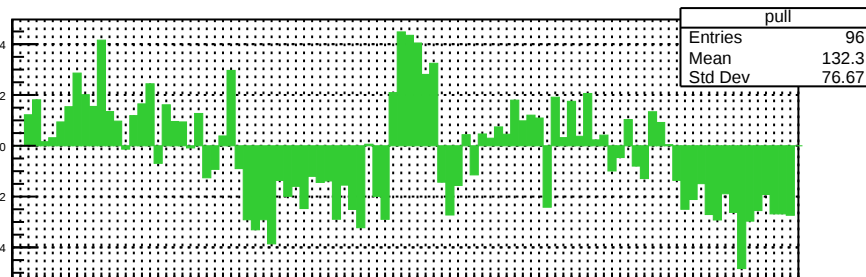
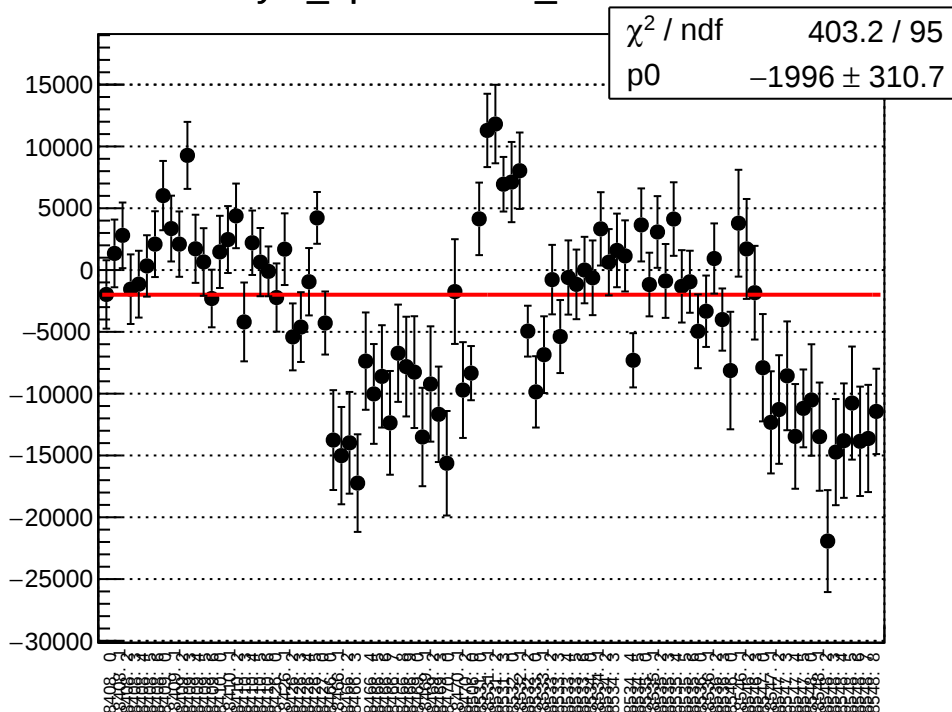
asym_bpm0l09WS_rms vs run

χ^2 / ndf 7.052e+04 / 95
p0 292.6 $\pm$ 0.217

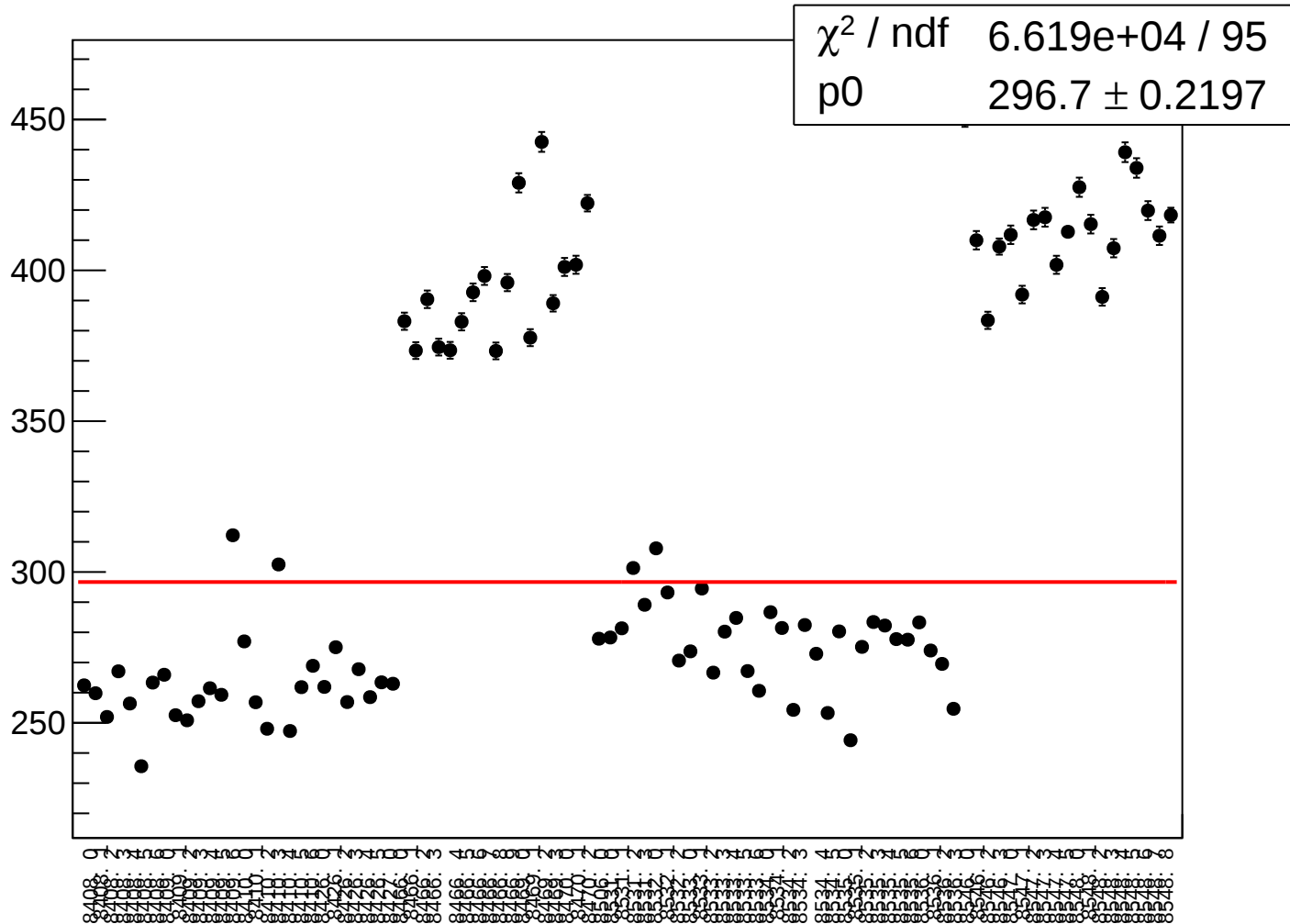


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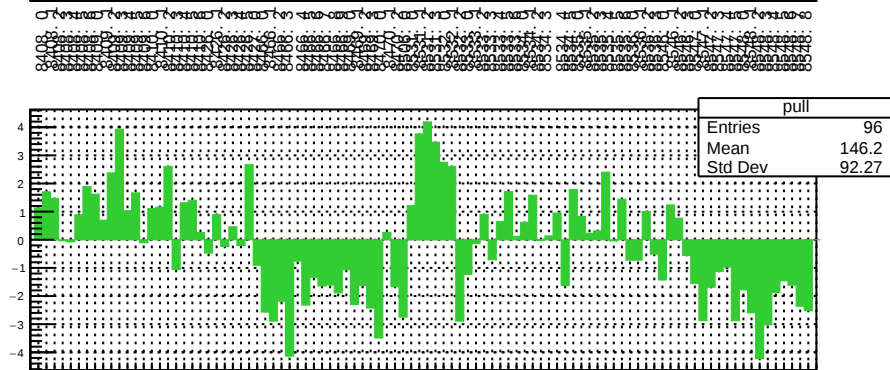
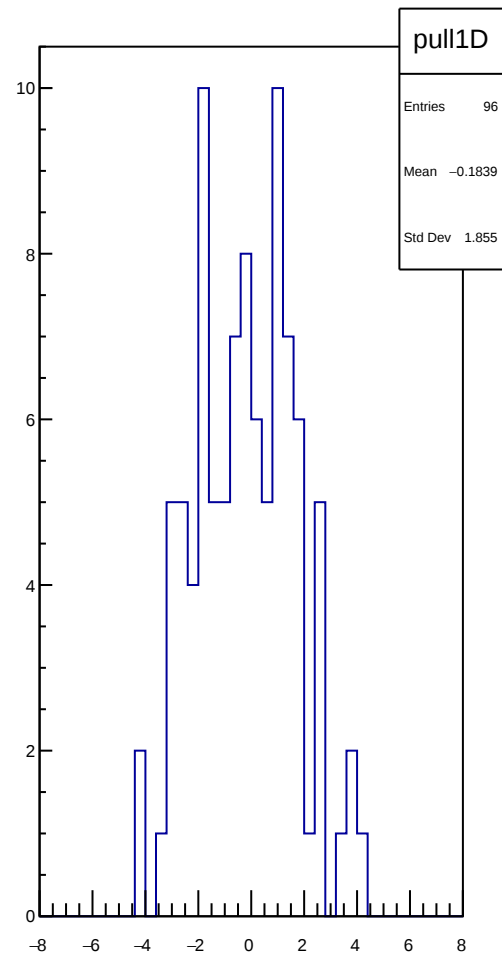
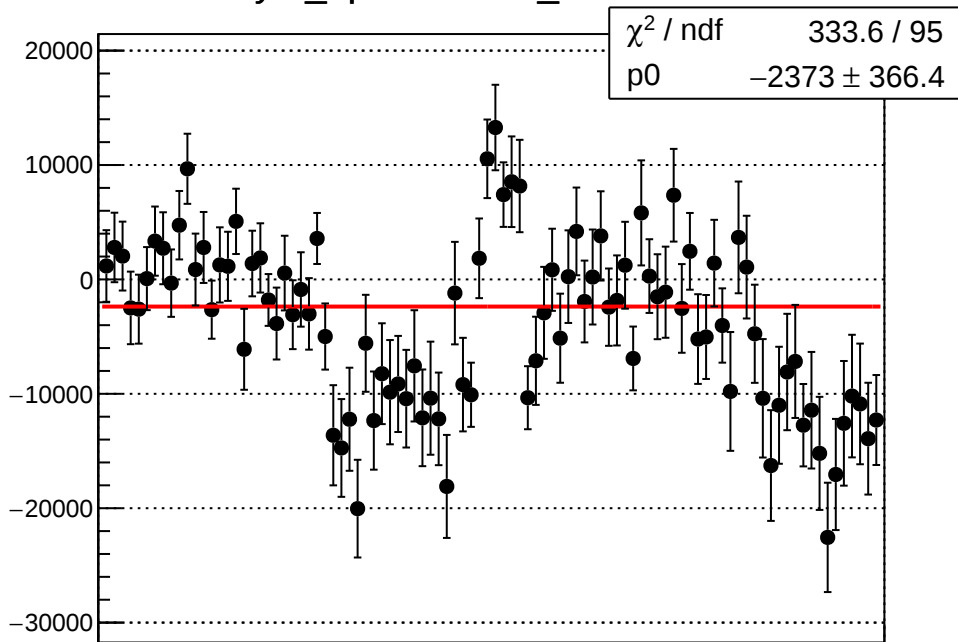
asym_bpm0l10WS_mean vs run



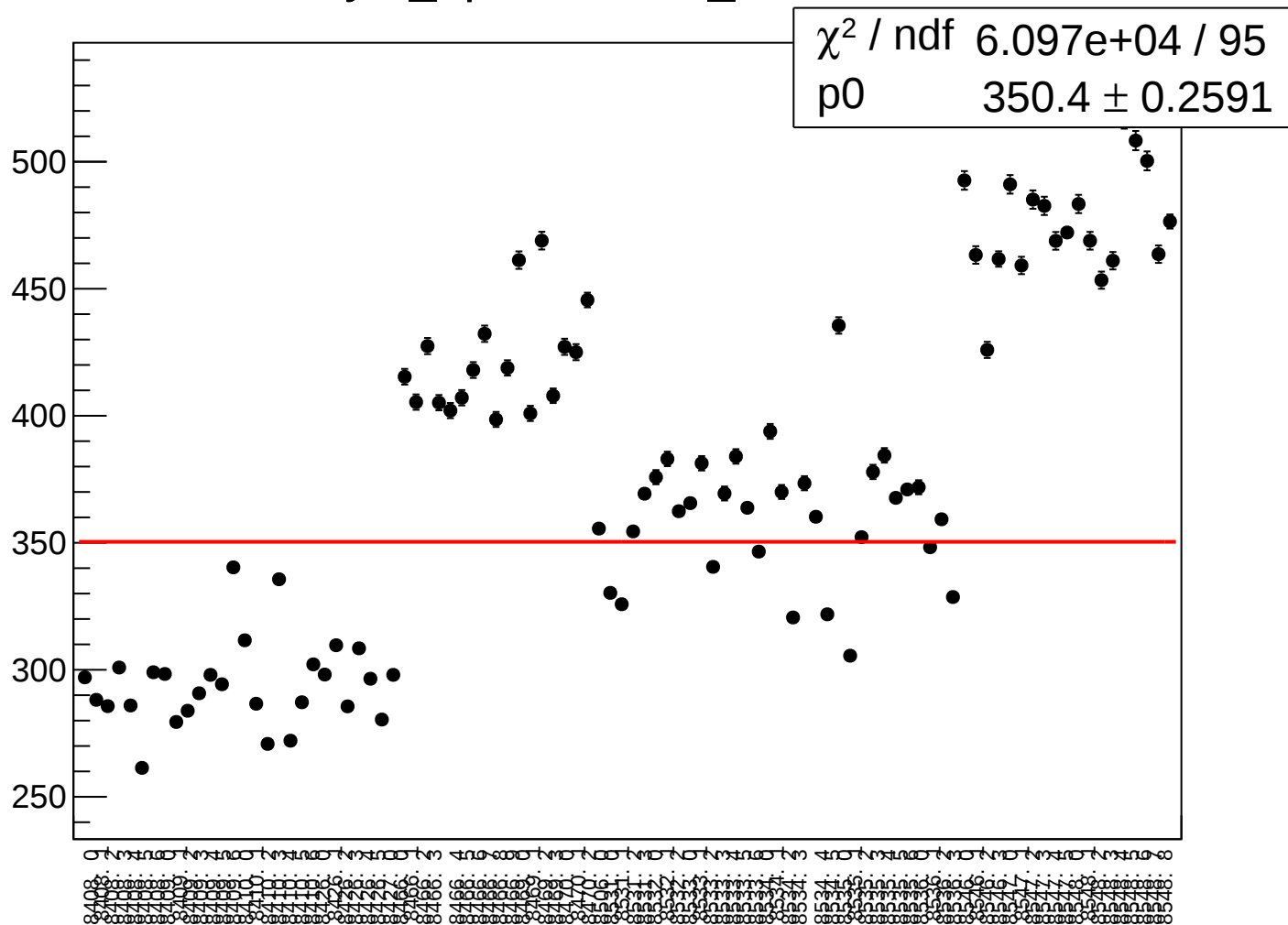
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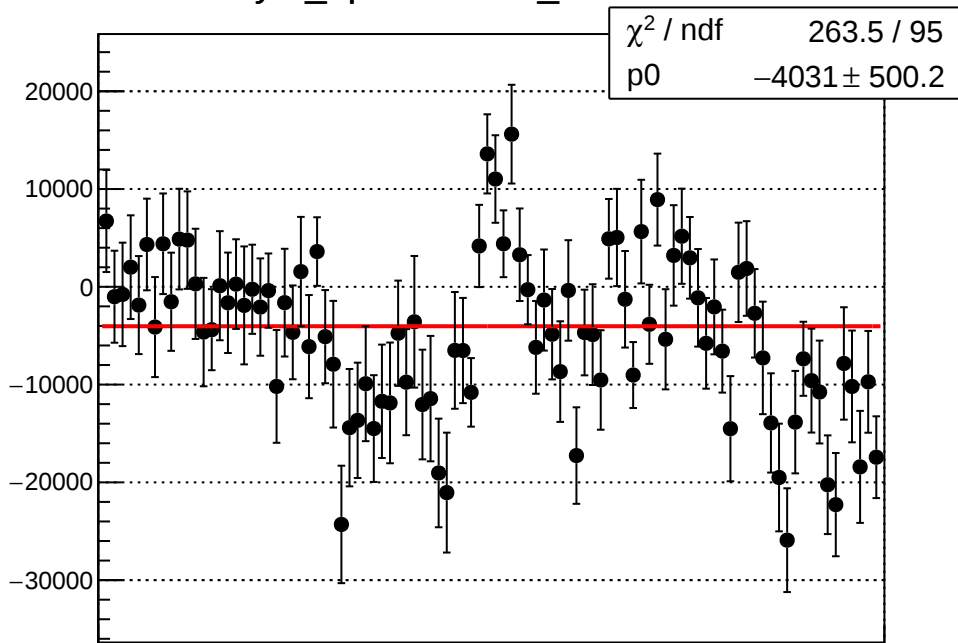
asym_bpm0r03WS_mean vs run



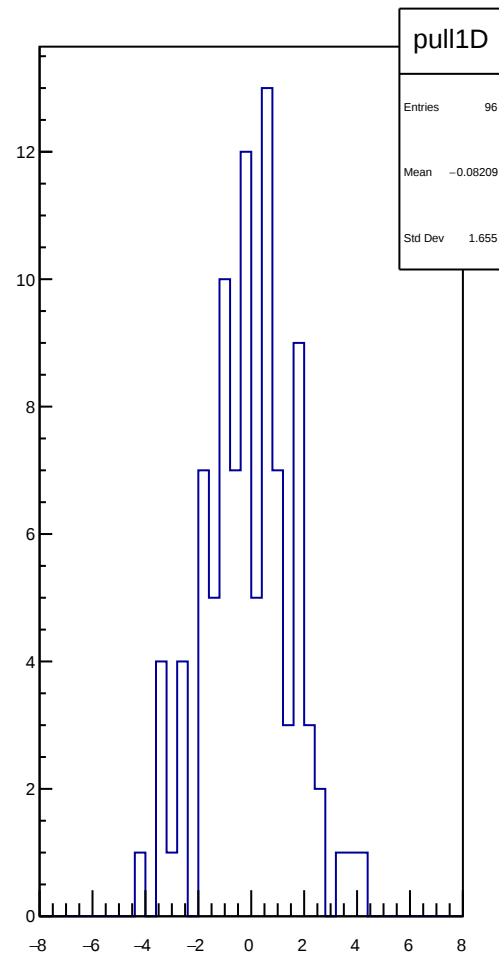
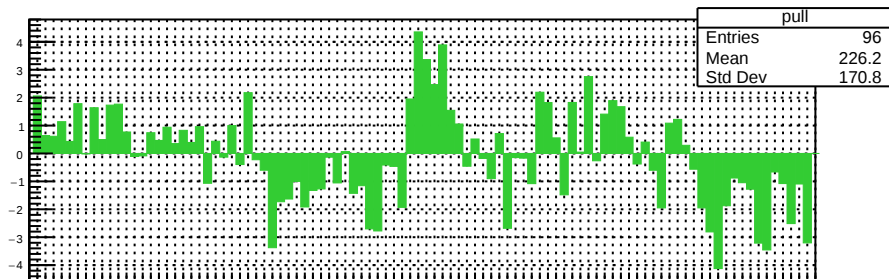
asym_bpm0r03WS_rms vs run



asym_bpm0r05WS_mean vs run

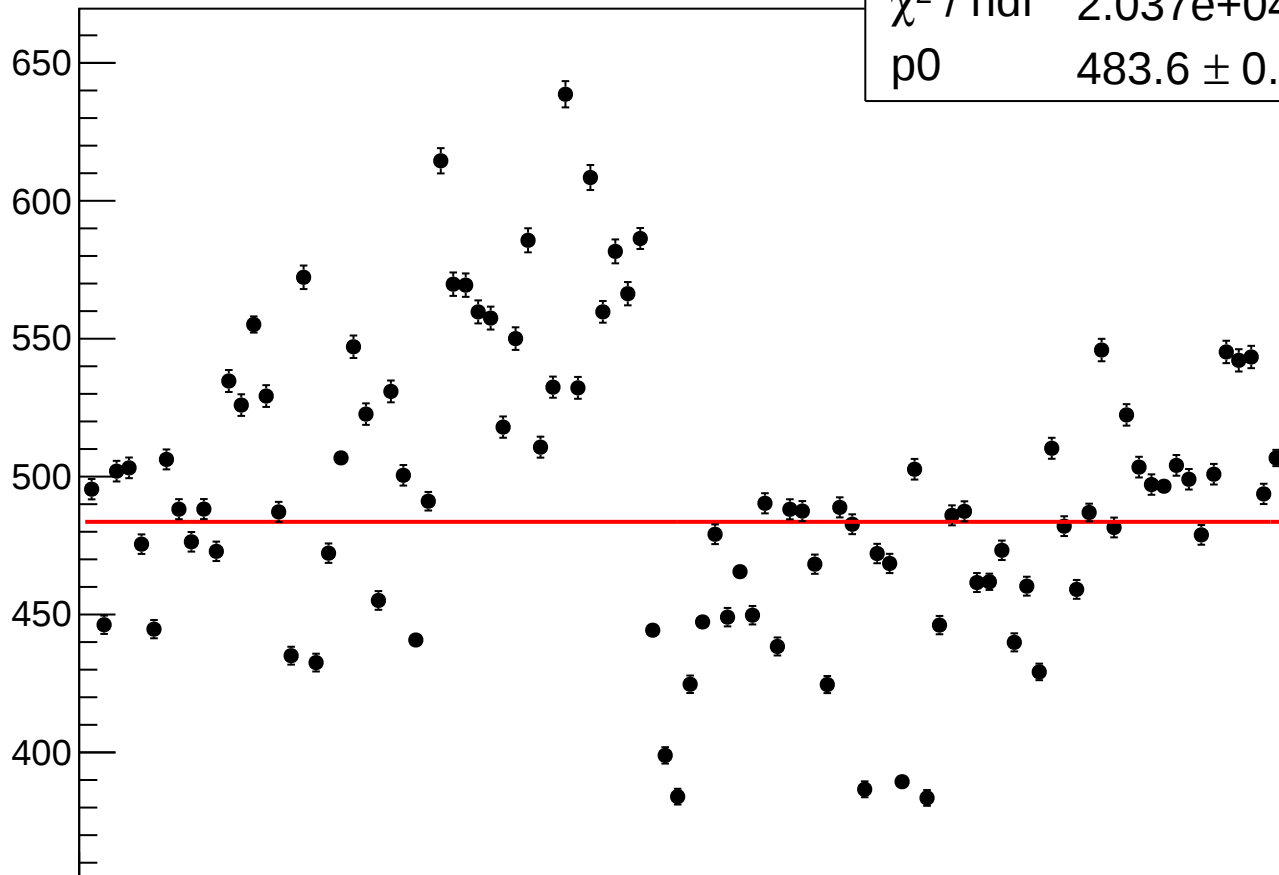


Correlation plot showing the distribution of data points (black circles with error bars) versus run. The y-axis ranges from -30000 to 20000. The x-axis represents run numbers.



asym_bpm0r05WS_rms vs run

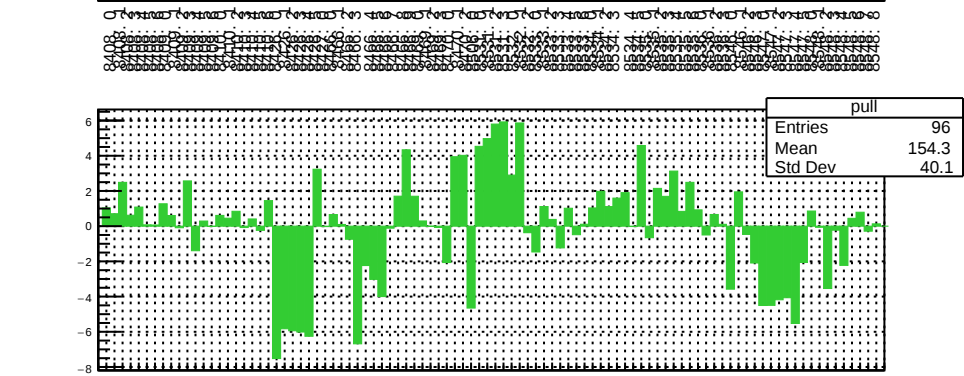
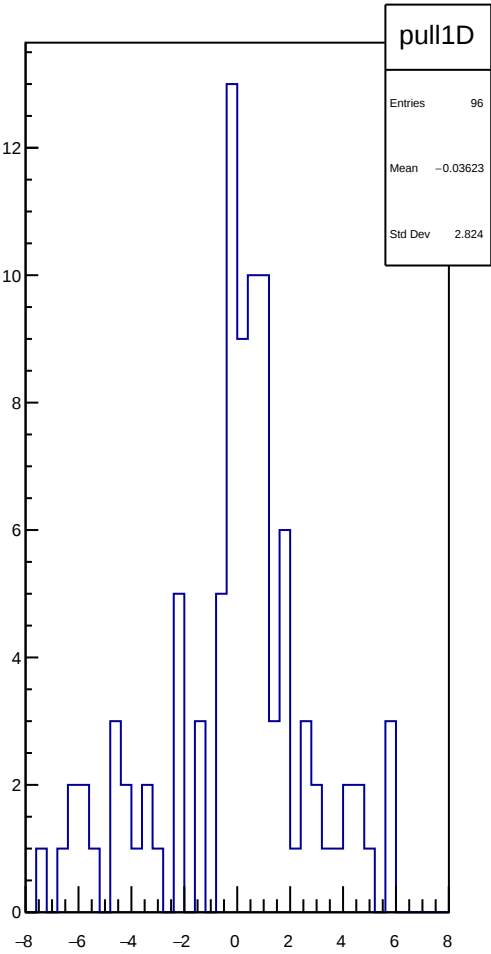
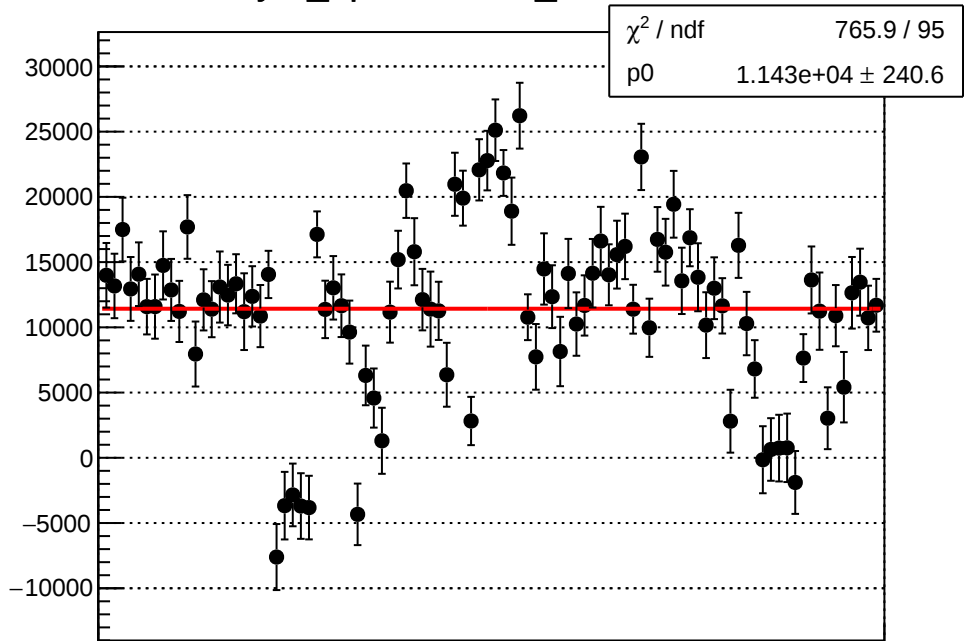
χ^2 / ndf 2.037e+04 / 95
p0 483.6 $\pm$ 0.3537



0 100 200 300 400 500 600 700 800 900 1000

400 450 500 550 600 650

asym_bpm0i02WS_mean vs run



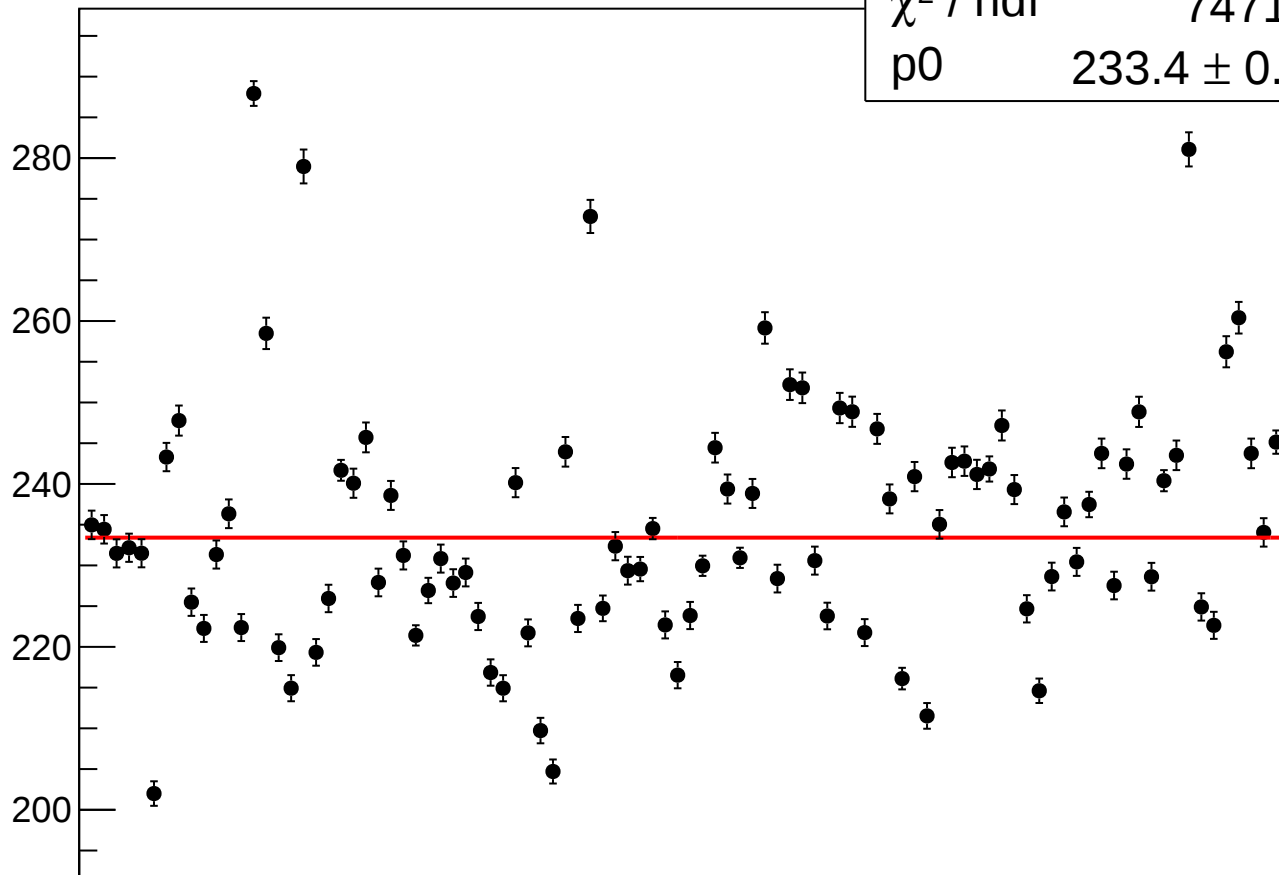
asym_bpm0i02WS_rms vs run

χ^2 / ndf

7471 / 95

p0

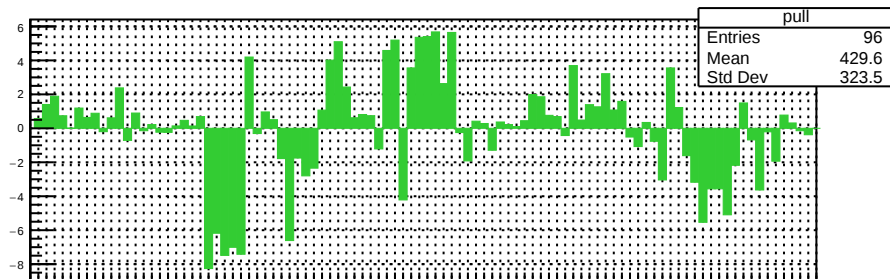
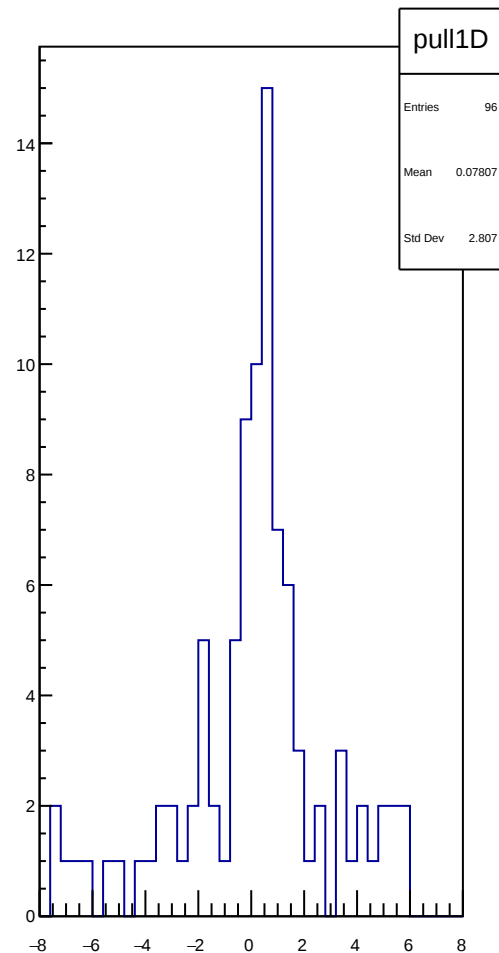
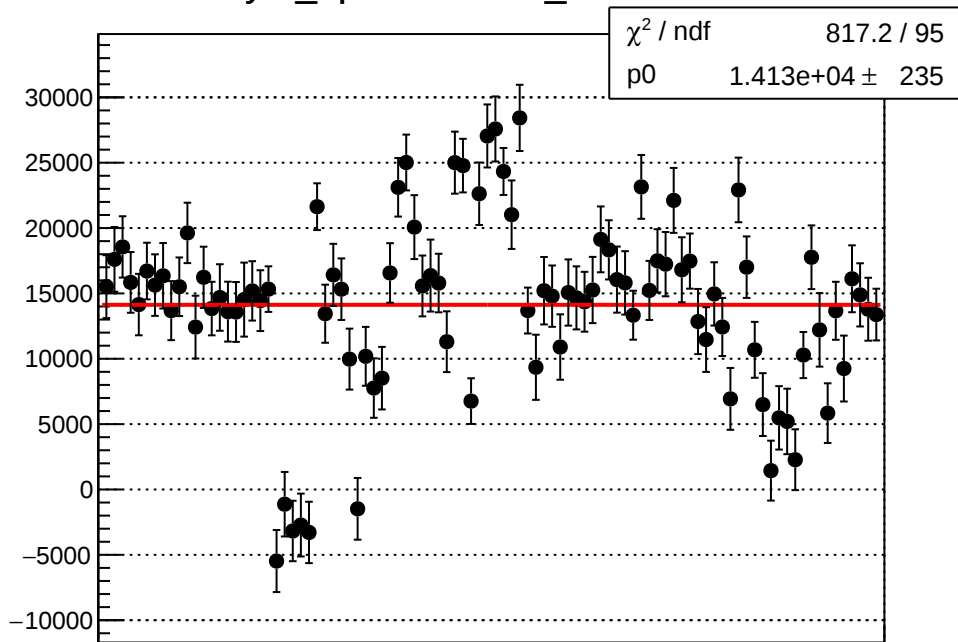
233.4 ± 0.1701



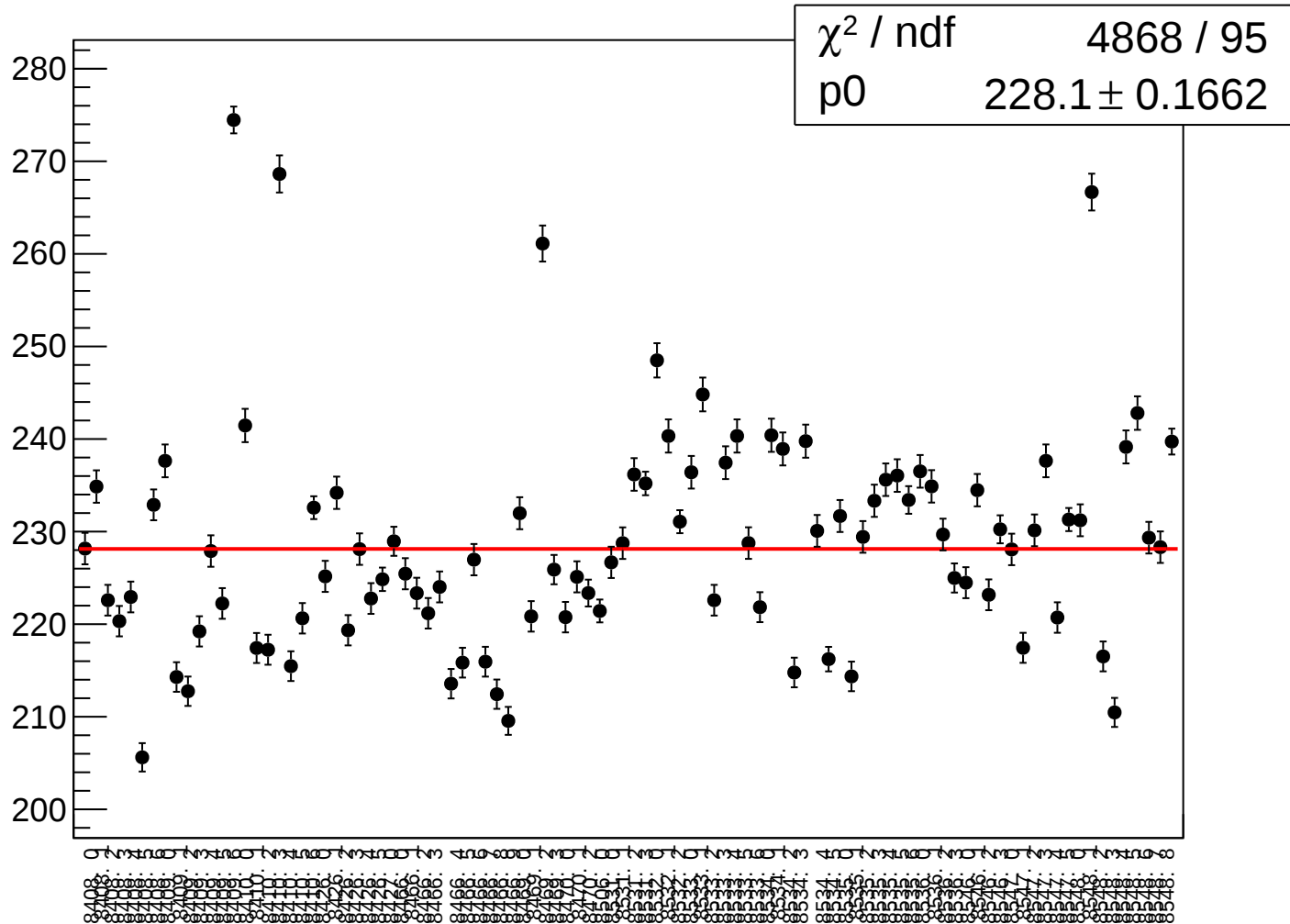
0 100 200 300 400 500 600 700 800 900 1000

200 220 240 260 280

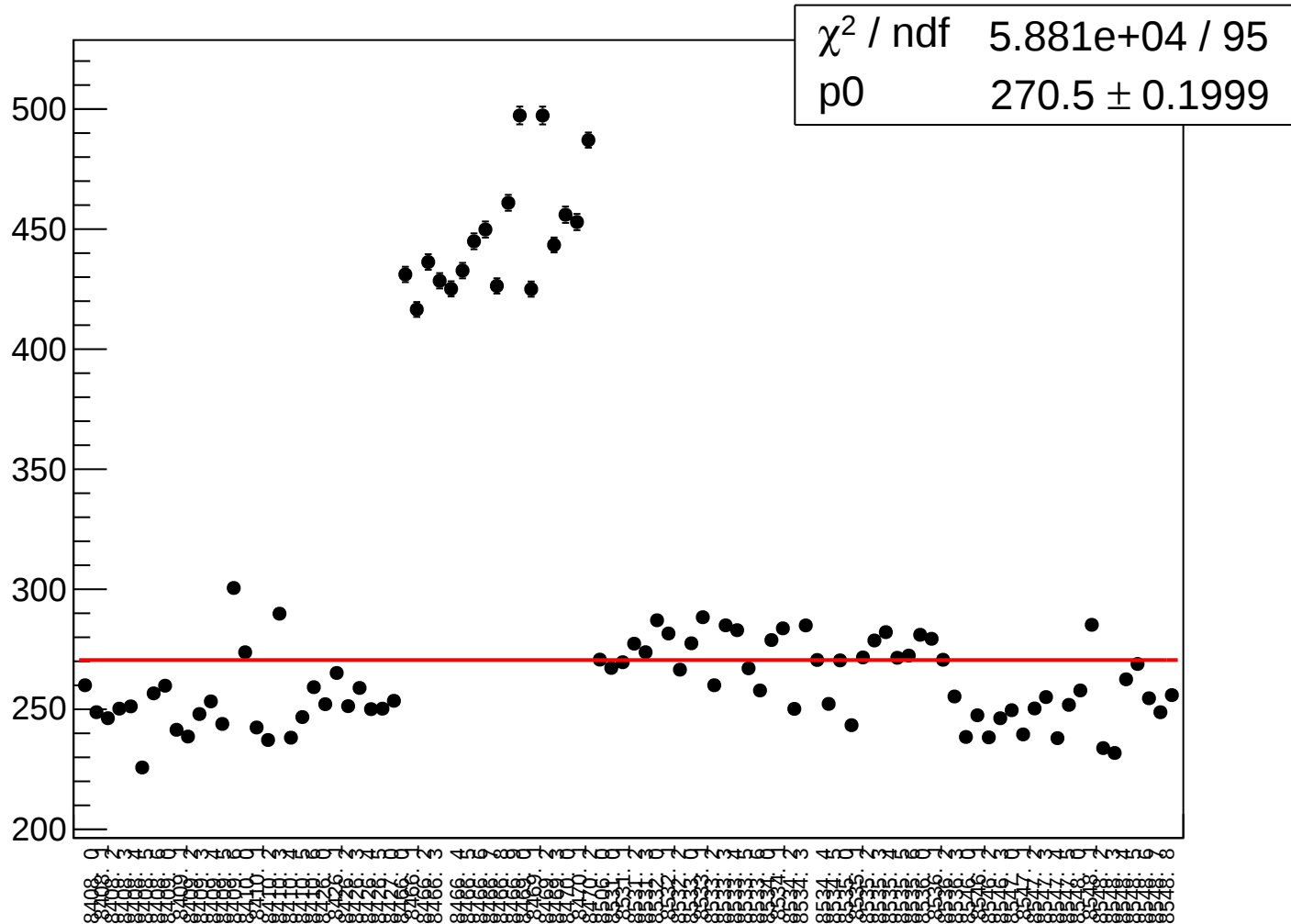
asym_bpm0i02aWS_mean vs run



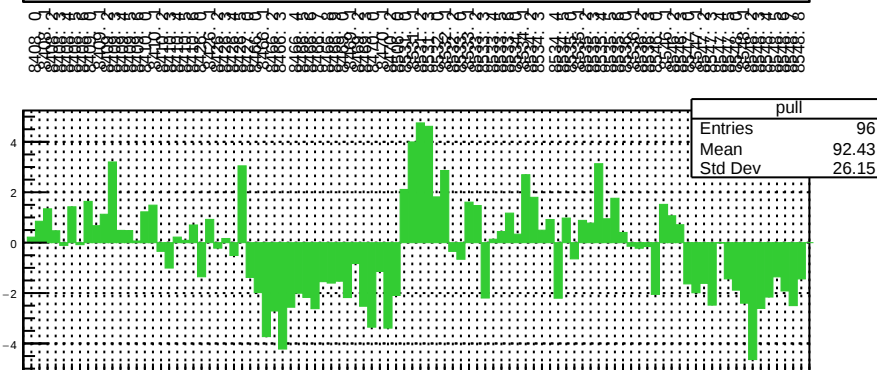
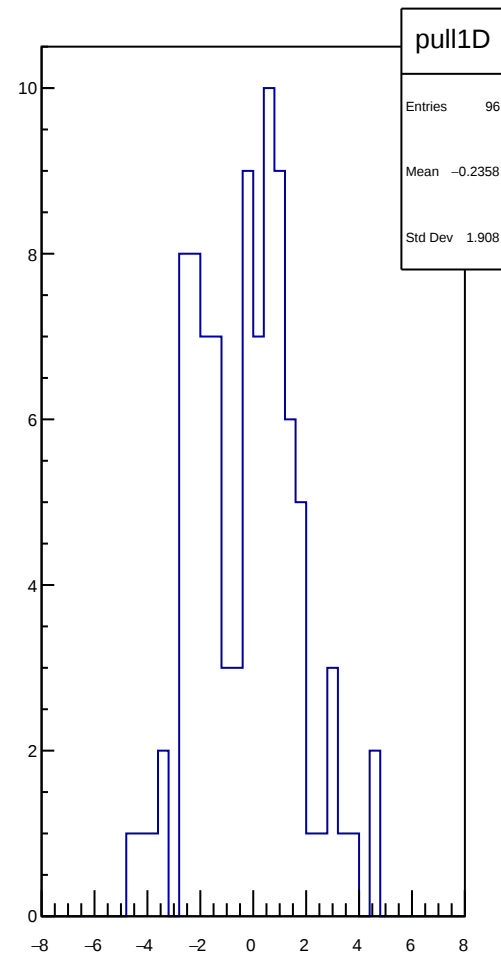
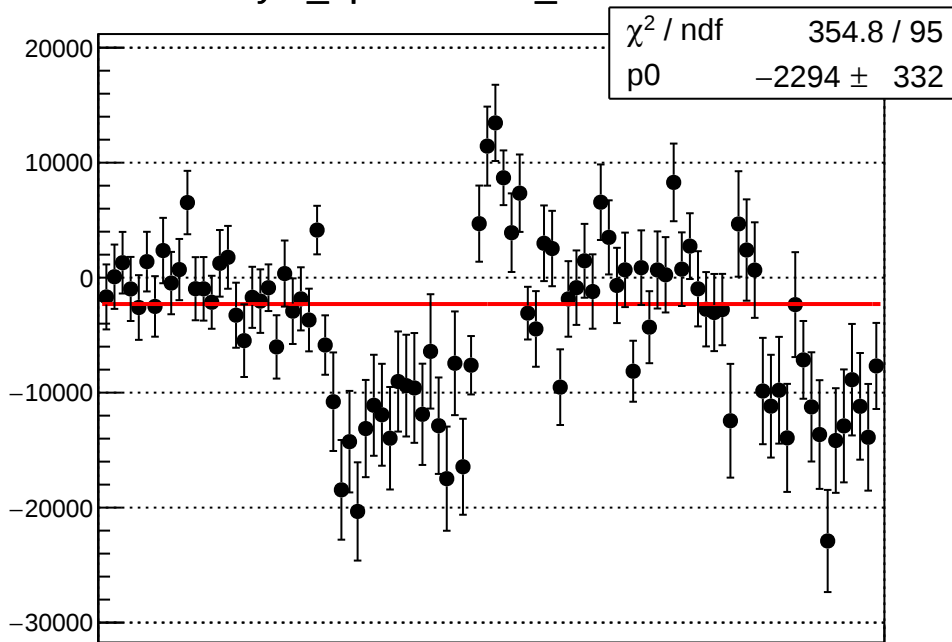
asym_bpm0i02aWS_rms vs run



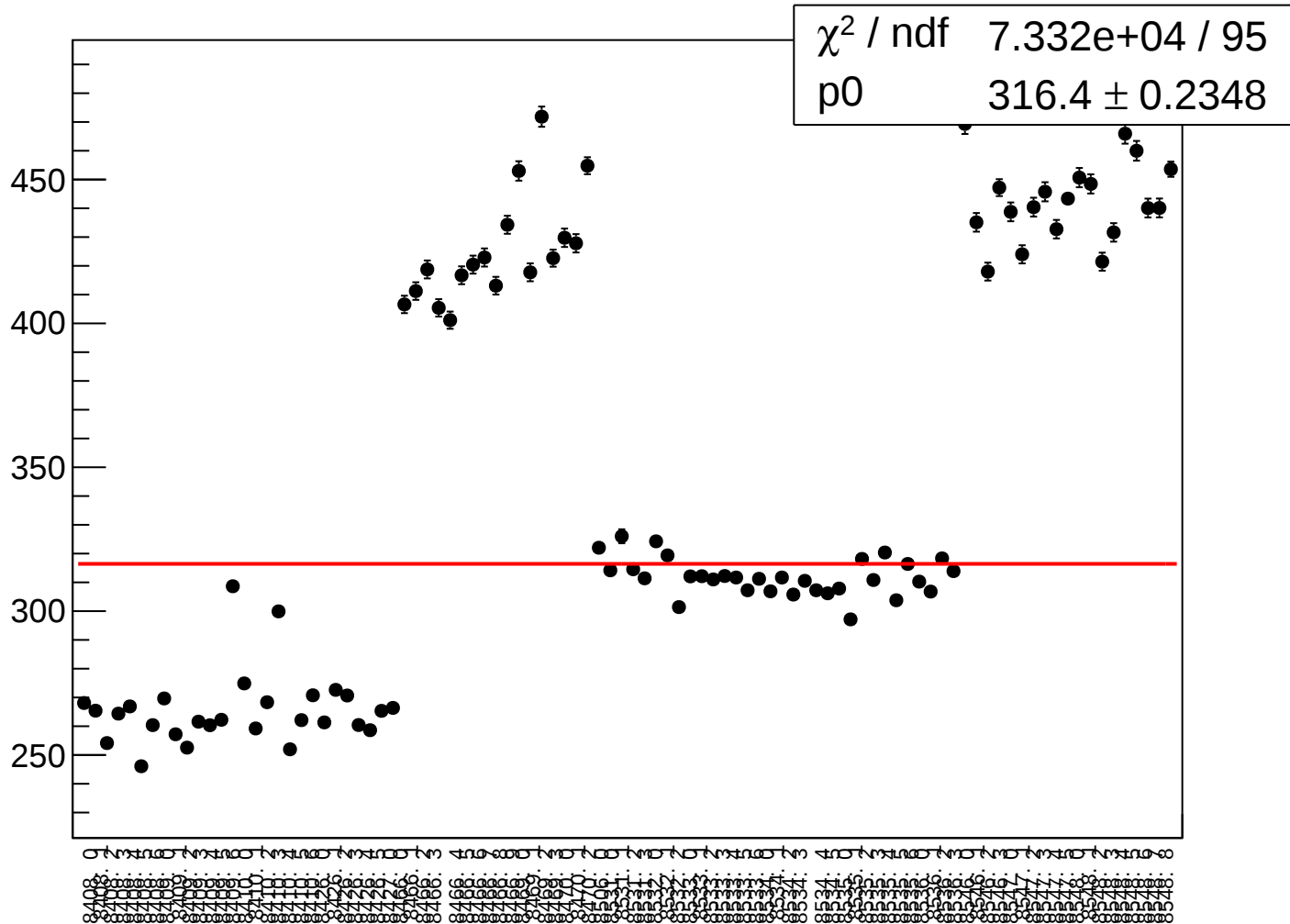
asym_bpm0i05WS_rms vs run



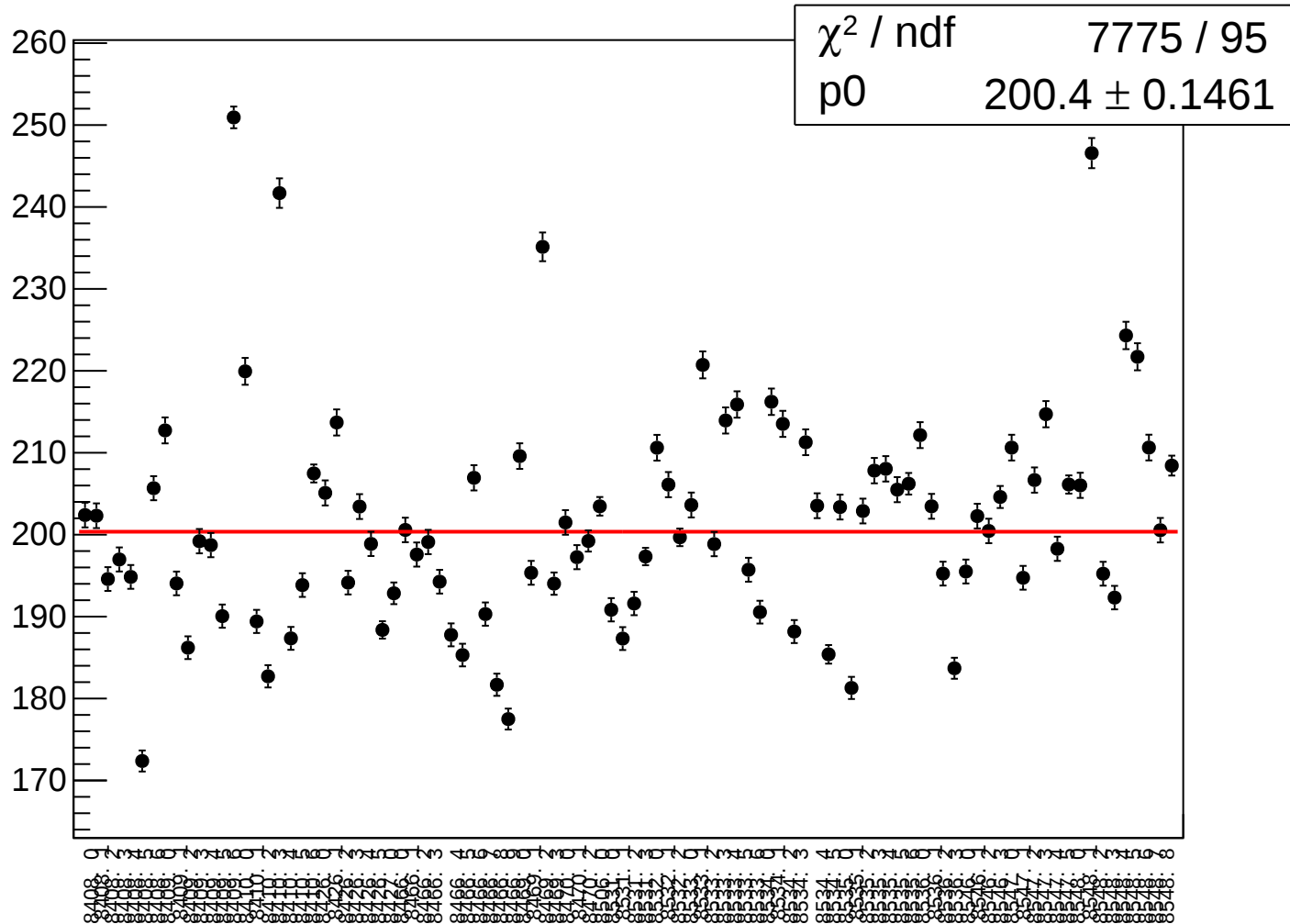
asym_bpm0i07WS_mean vs run



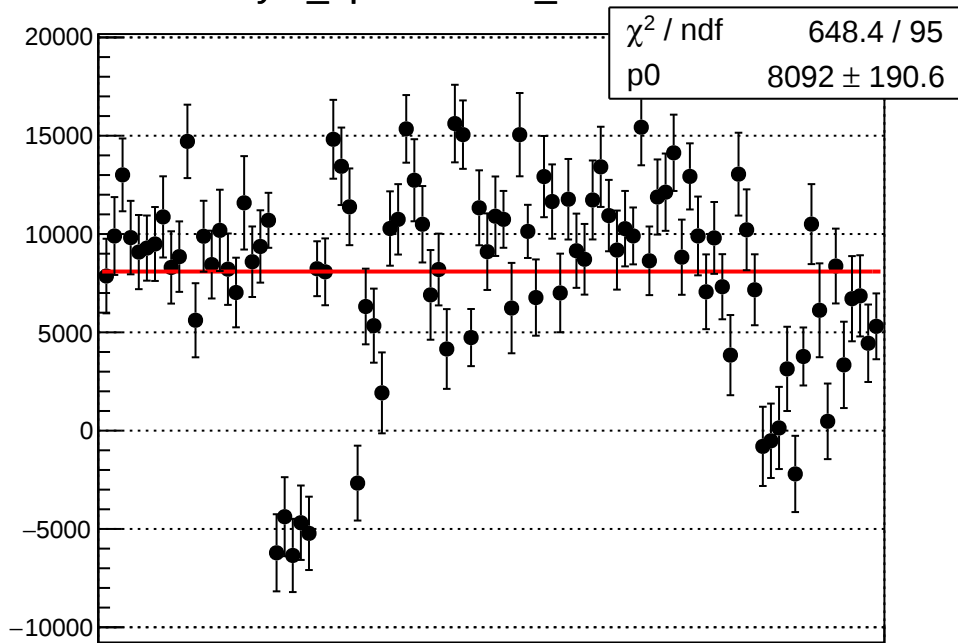
asym_bpm0i07WS_rms vs run



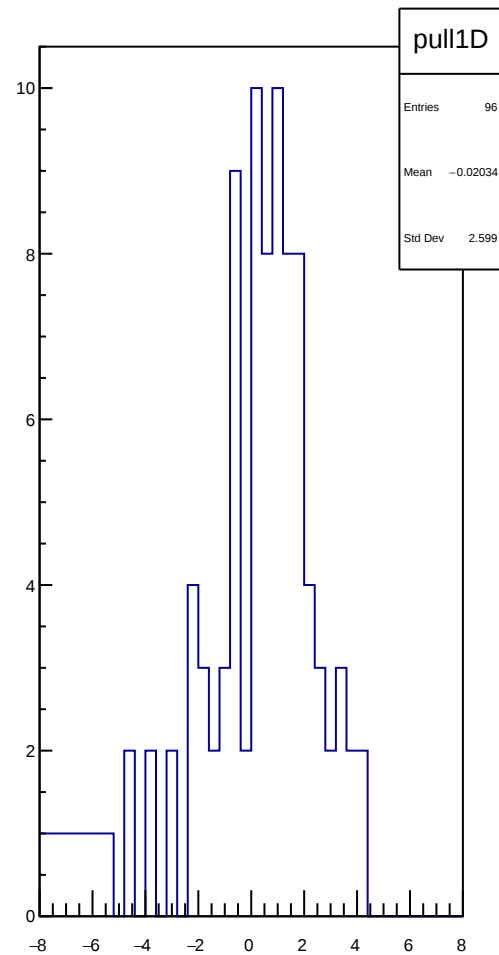
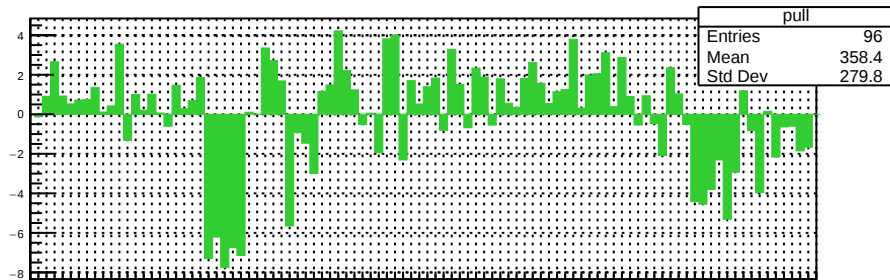
asym_bpm1i02WS_rms vs run



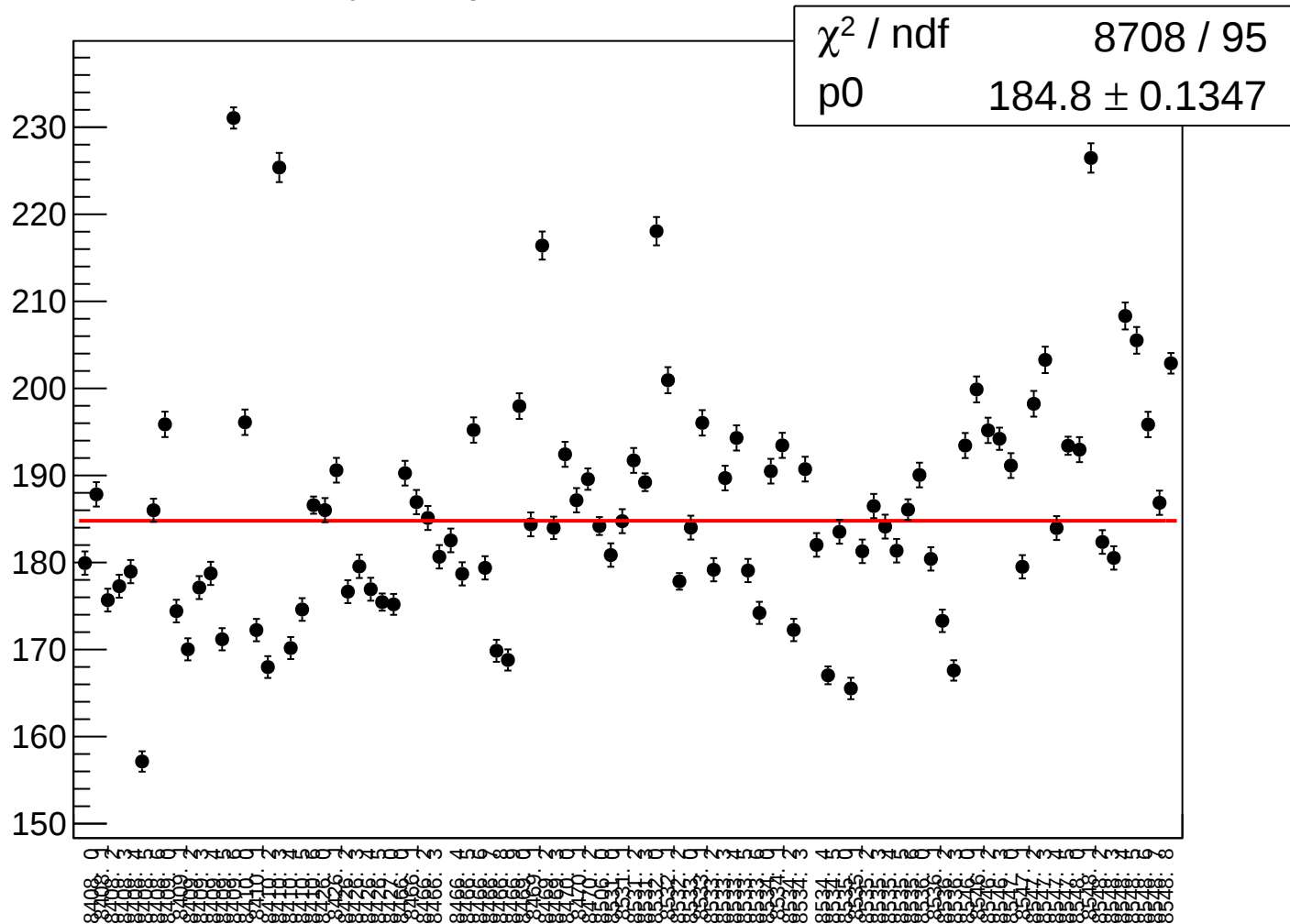
asym_bpm1i04WS_mean vs run



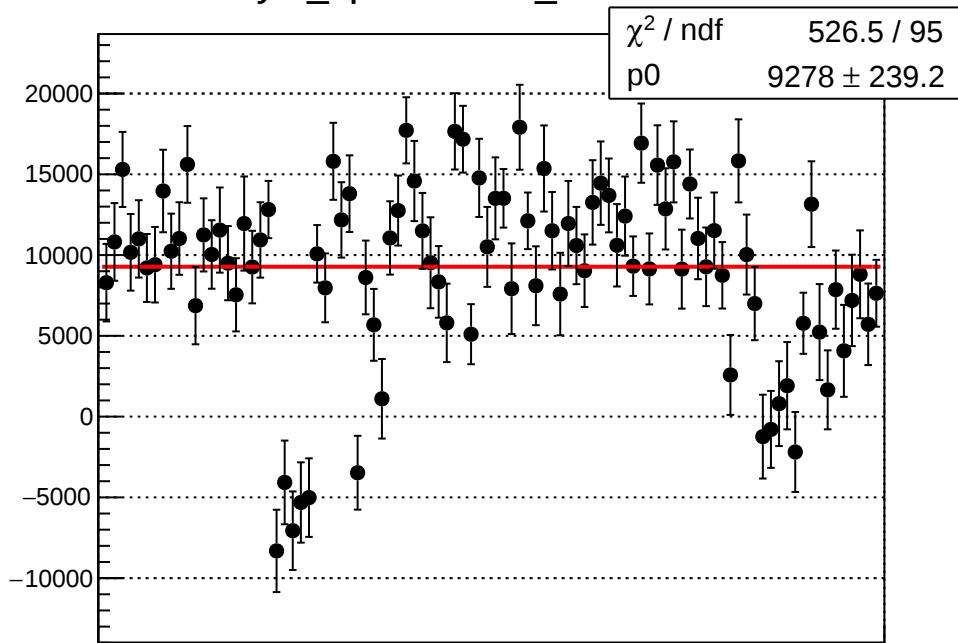
Correlation plot showing the distribution of data points (black circles with error bars) versus run. The y-axis ranges from -10000 to 20000. The x-axis represents run numbers.



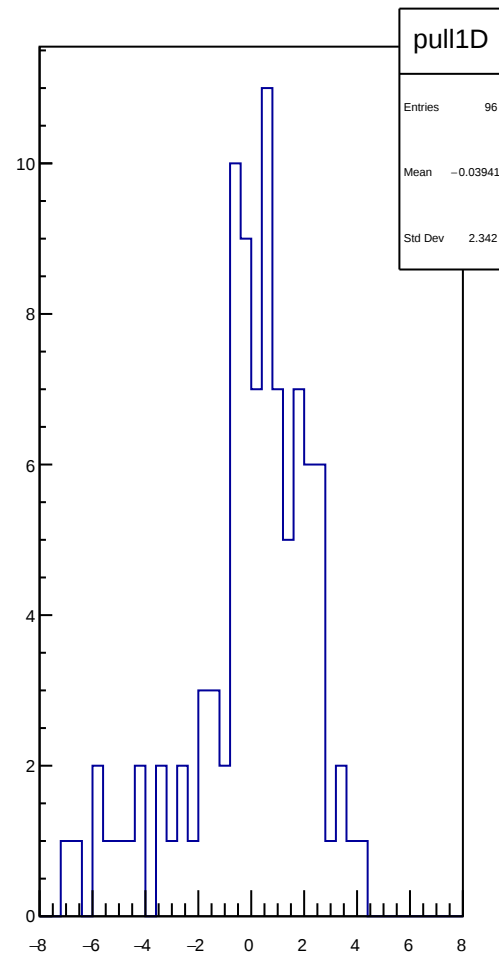
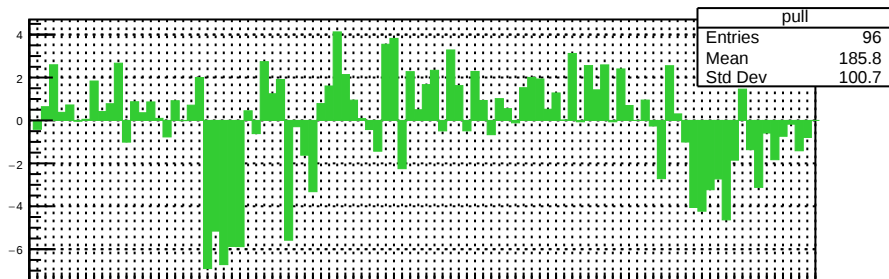
asym_bpm1i04WS_rms vs run



asym_bpm1i06WS_mean vs run



Correlation matrix of the fit parameters. The diagonal elements are 1.000000. The off-diagonal elements show the correlations between the parameters. The parameters are: p0, p1, p2, p3, p4, p5, p6, p7, p8, p9, p10, p11, p12, p13, p14, p15, p16, p17, p18, p19, p20, p21, p22, p23, p24, p25, p26, p27, p28, p29, p30, p31, p32, p33, p34, p35, p36, p37, p38, p39, p40, p41, p42, p43, p44, p45, p46, p47, p48, p49, p50, p51, p52, p53, p54, p55, p56, p57, p58, p59, p60, p61, p62, p63, p64, p65, p66, p67, p68, p69, p70, p71, p72, p73, p74, p75, p76, p77, p78, p79, p80, p81, p82, p83, p84, p85, p86, p87, p88, p89, p90, p91, p92, p93, p94, p95, p96, p97, p98, p99.



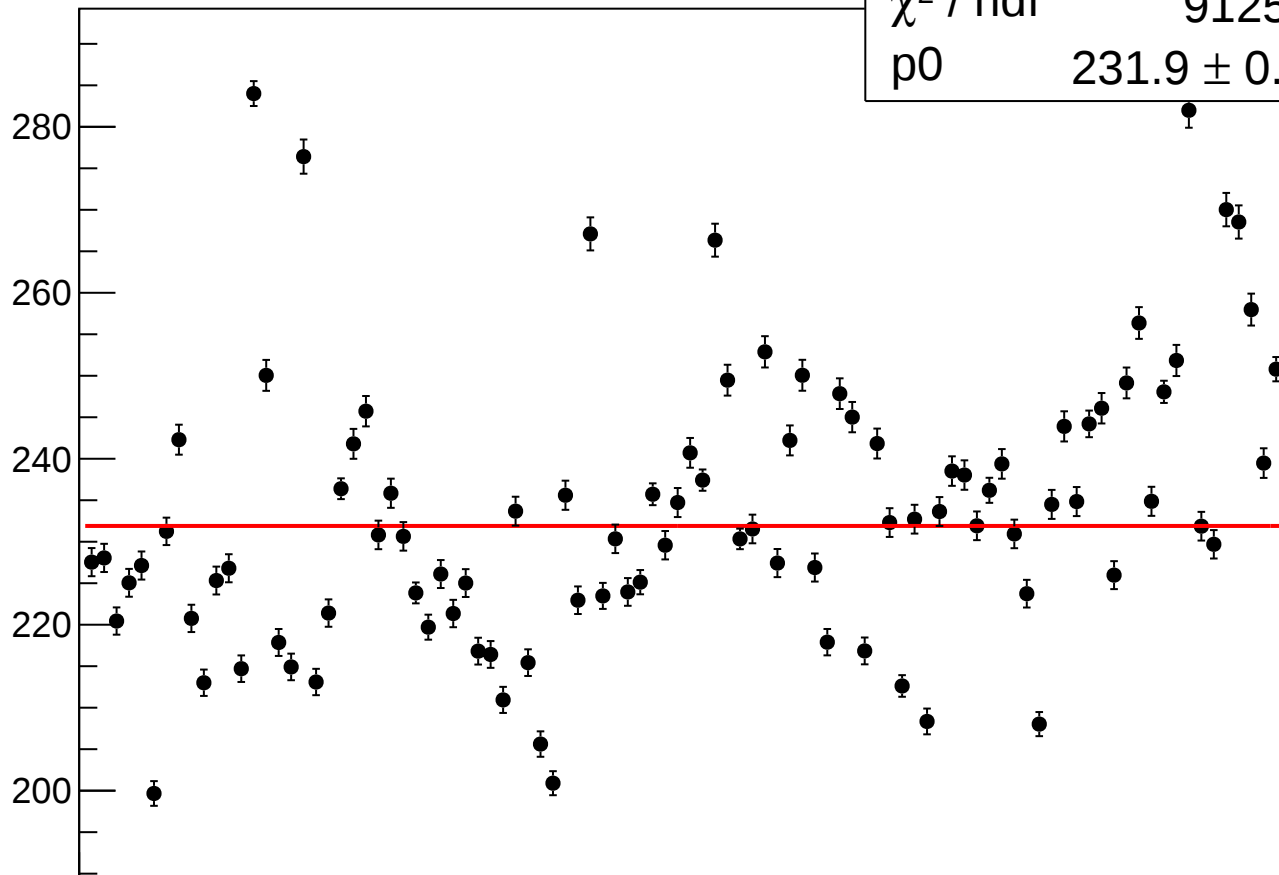
asym_bpm1i06WS_rms vs run

χ^2 / ndf

9125 / 95

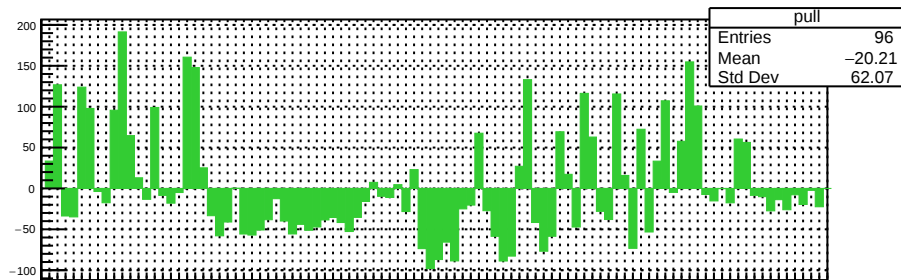
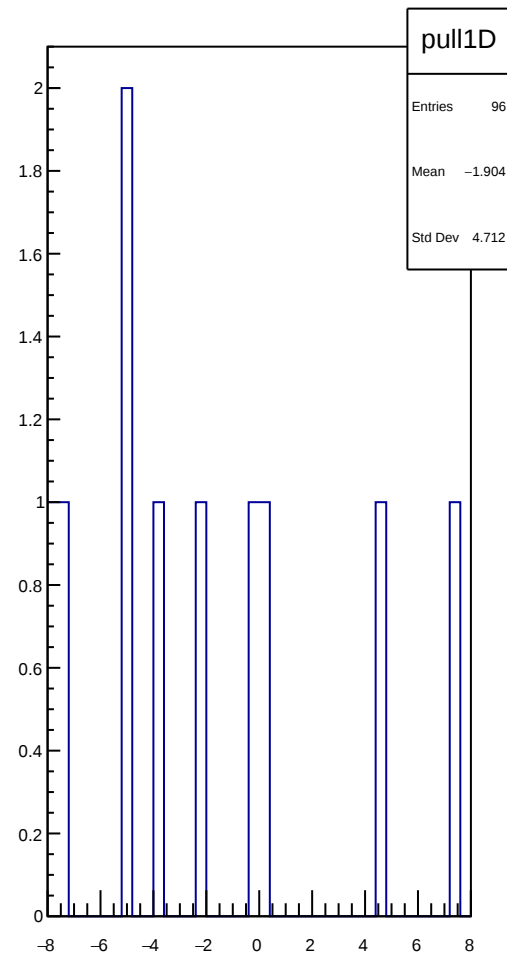
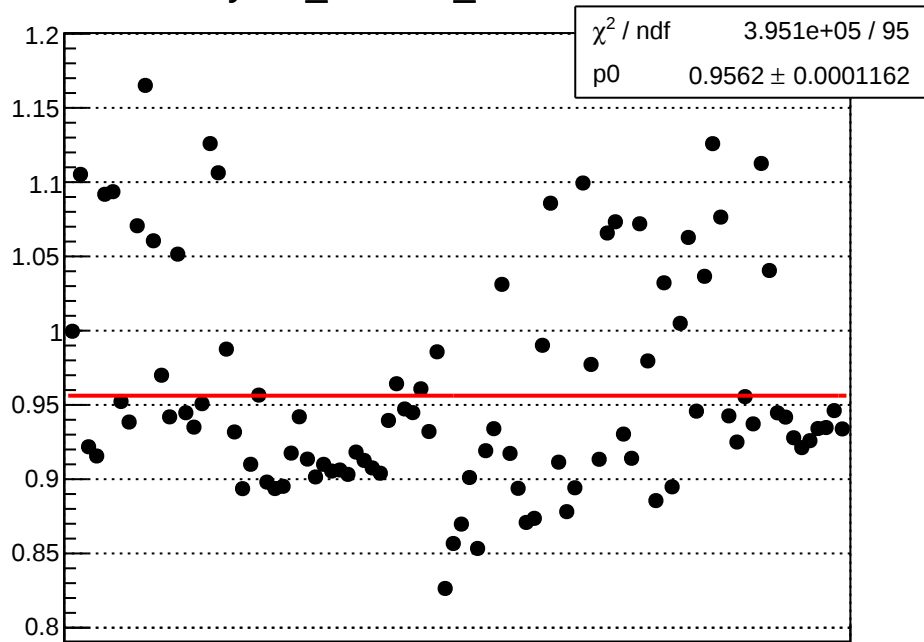
p0

231.9 ± 0.1691

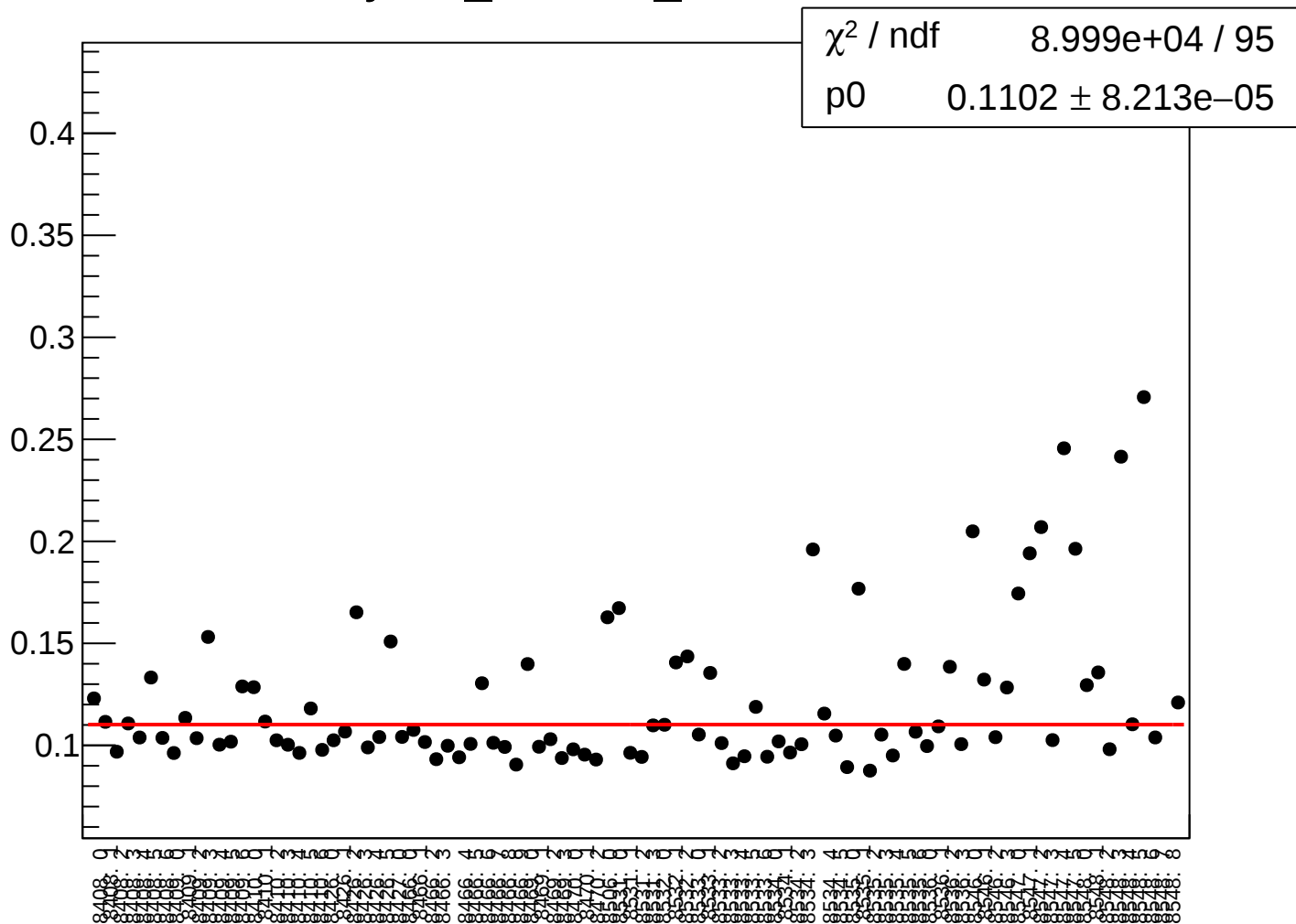


0 10 20 30 40 50 60 70 80 90 100

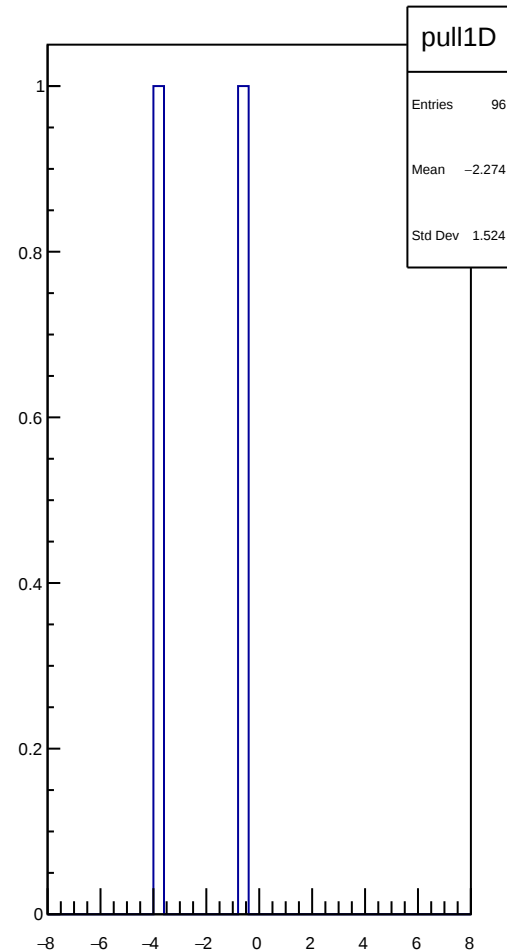
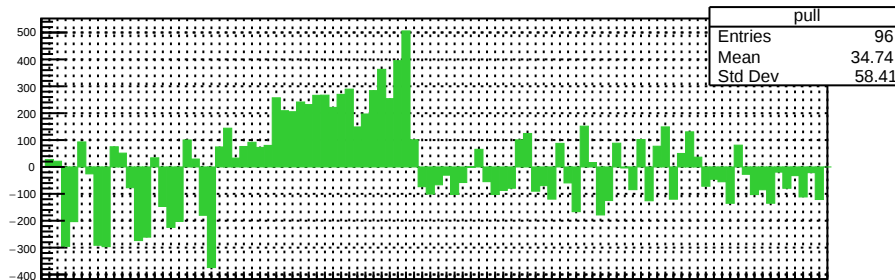
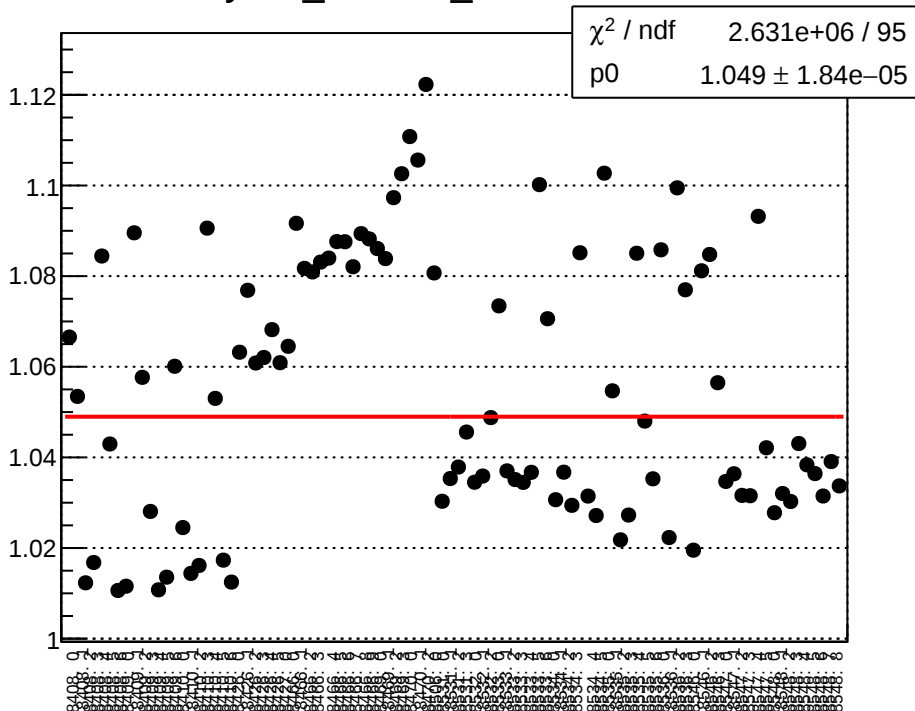
yield_cav4bX_mean vs run



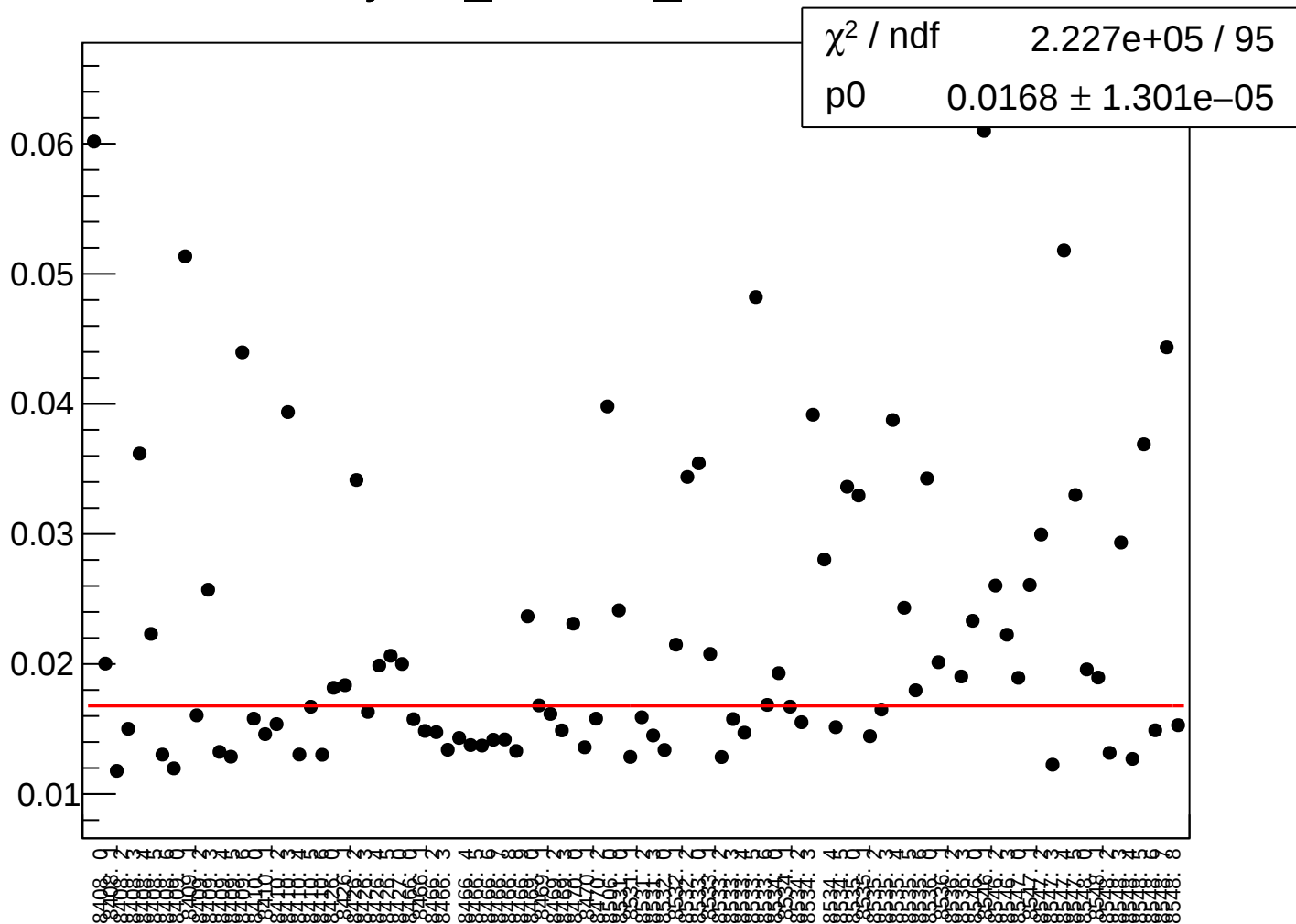
yield_cav4bX_rms vs run



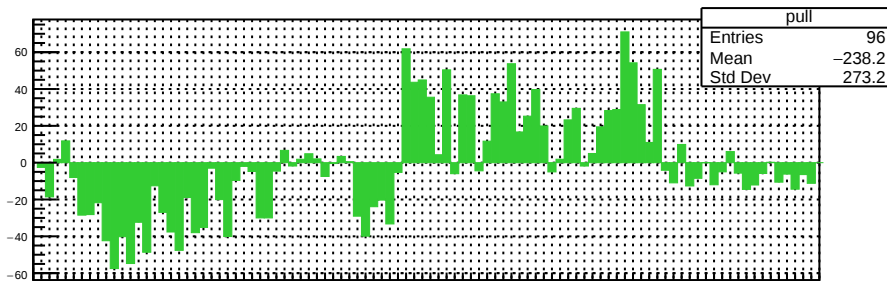
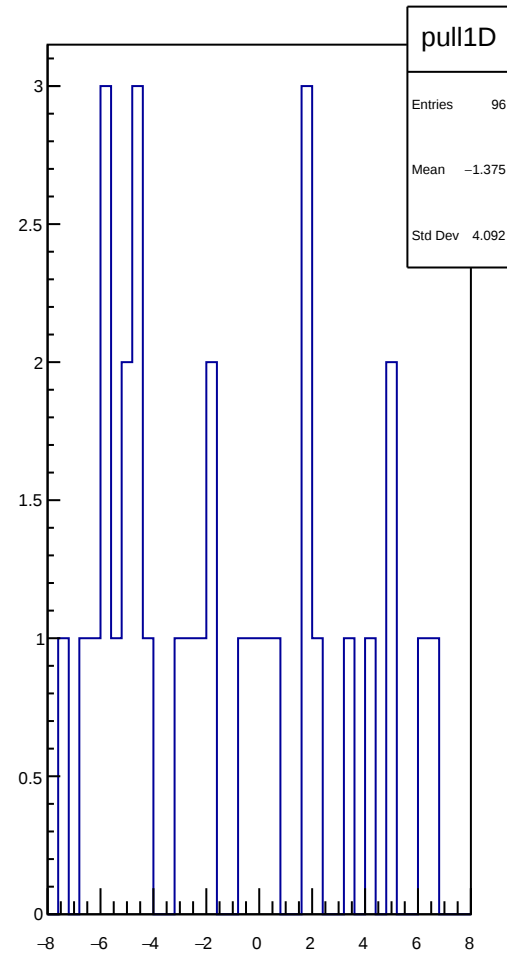
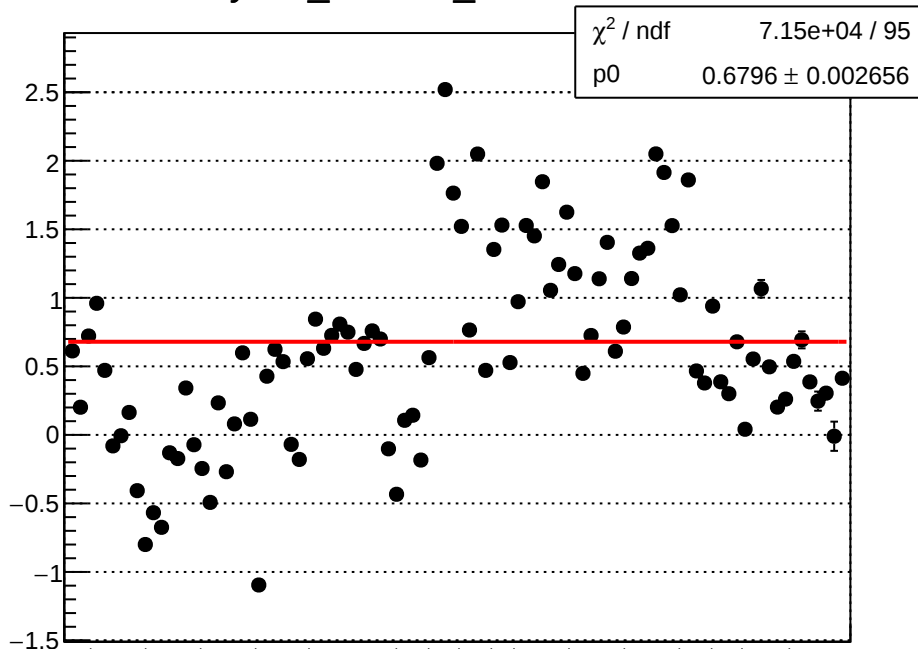
yield_cav4bY_mean vs run



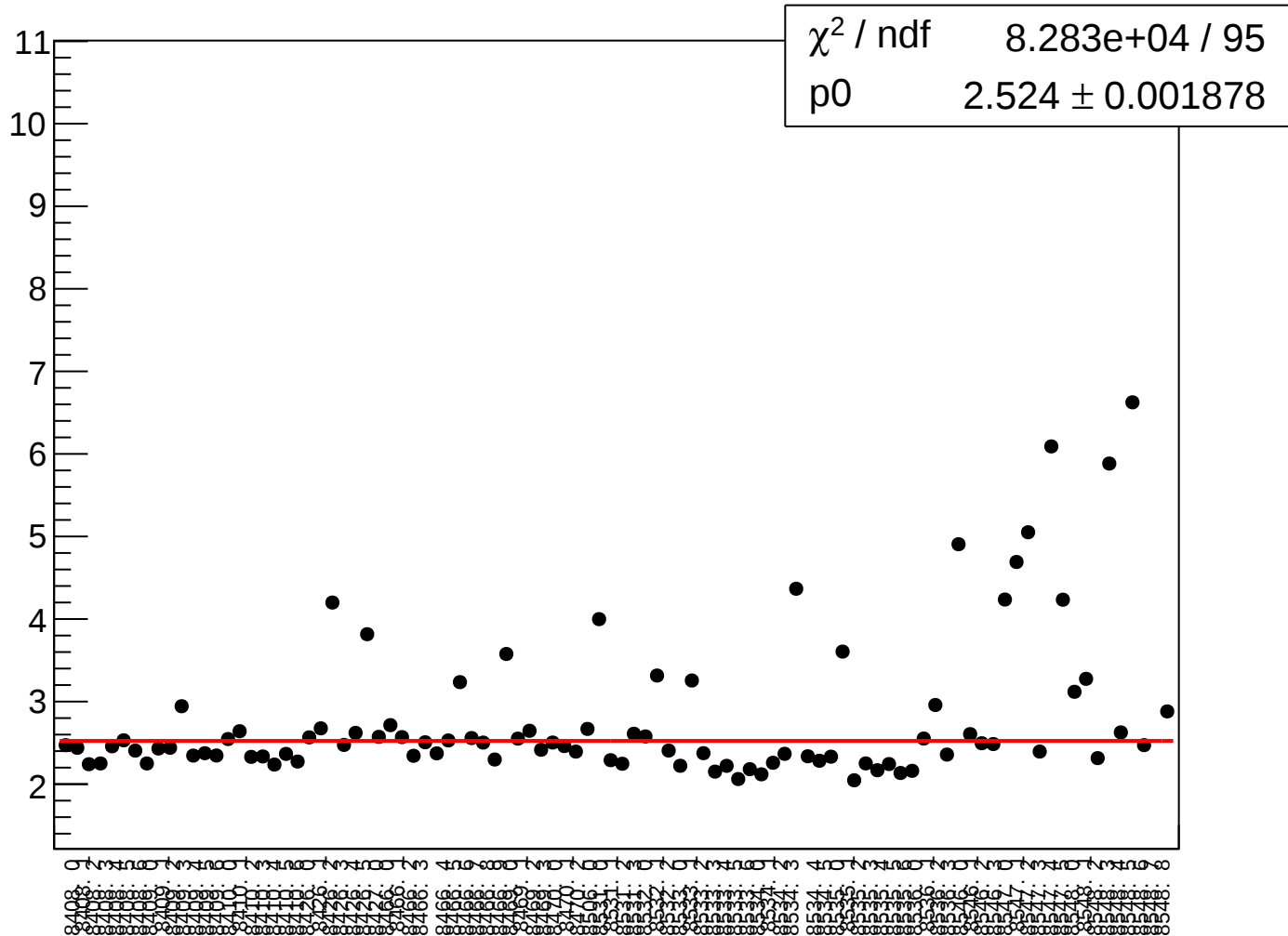
yield_cav4bY_rms vs run



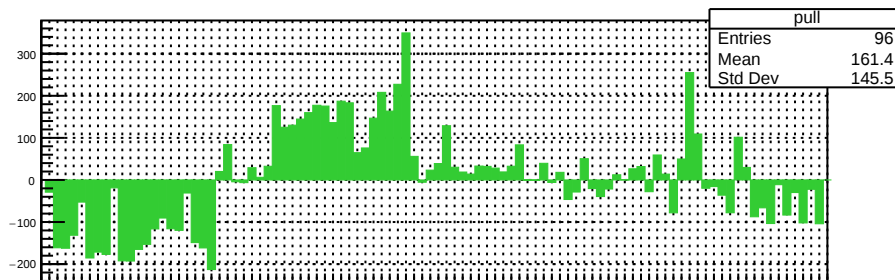
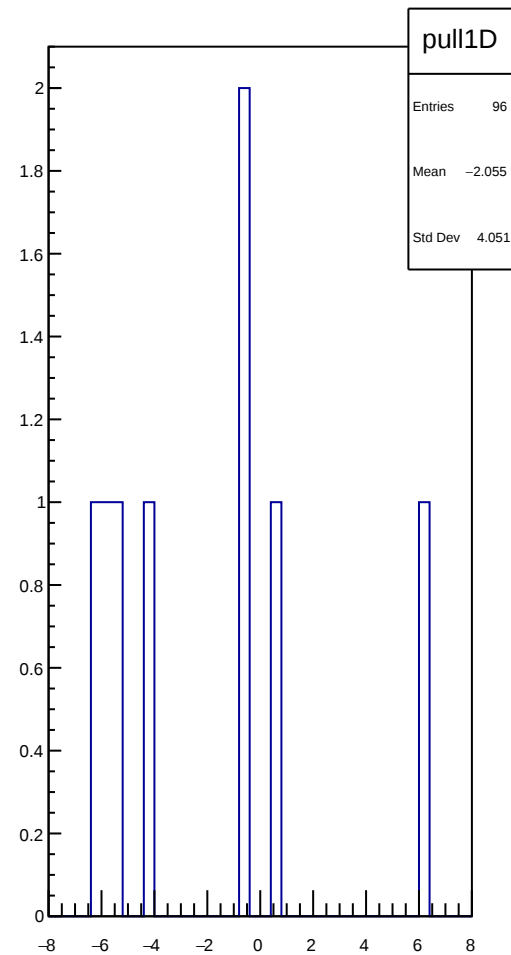
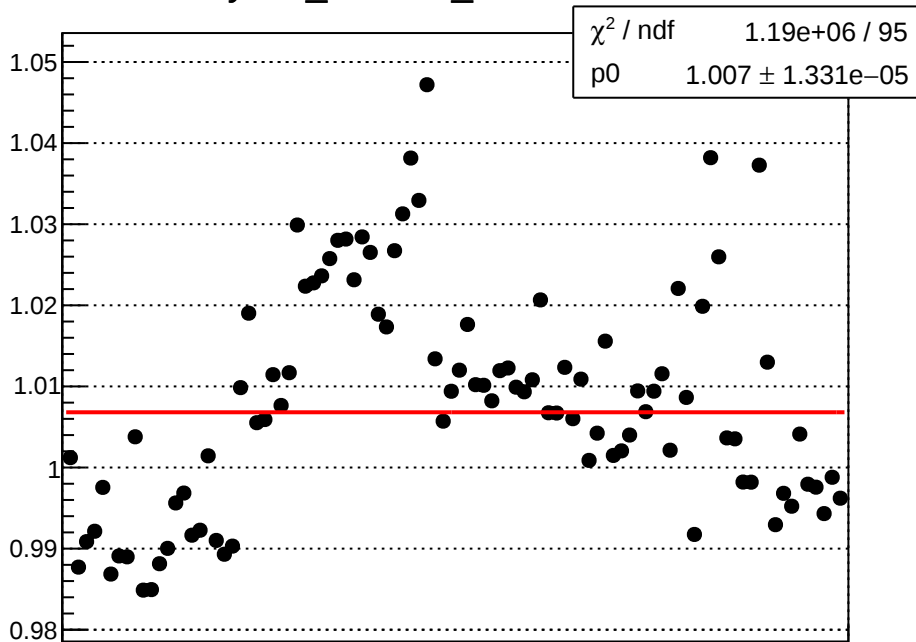
yield_cav4cX_mean vs run



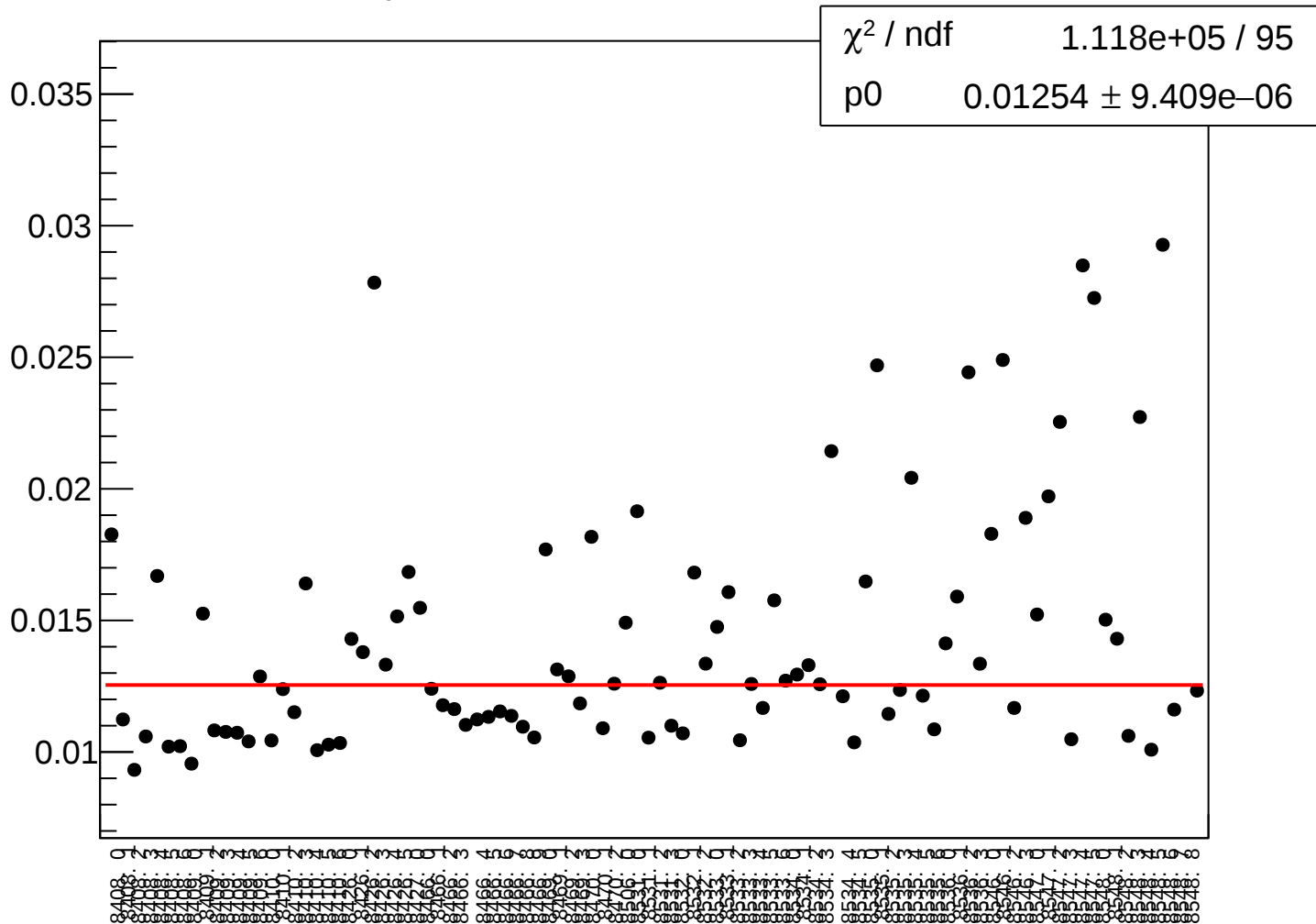
yield_cav4cX_rms vs run



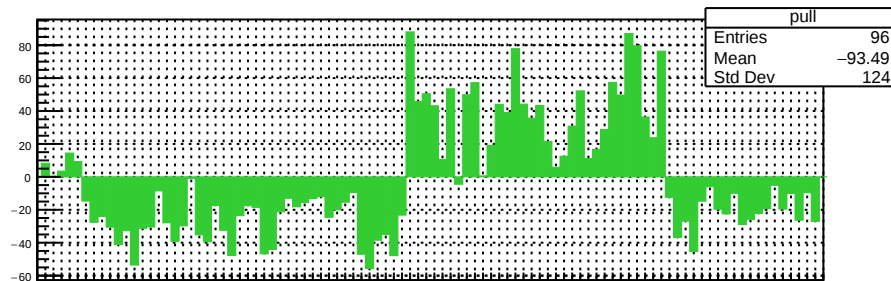
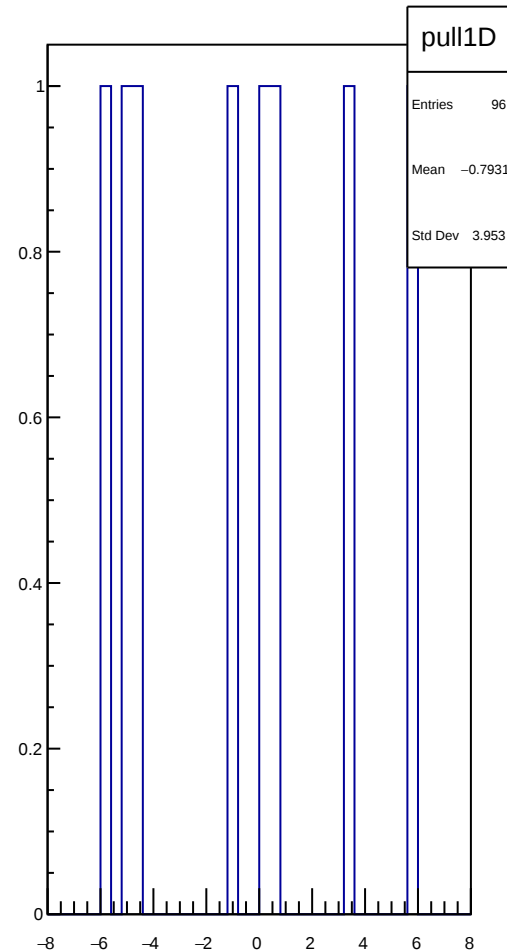
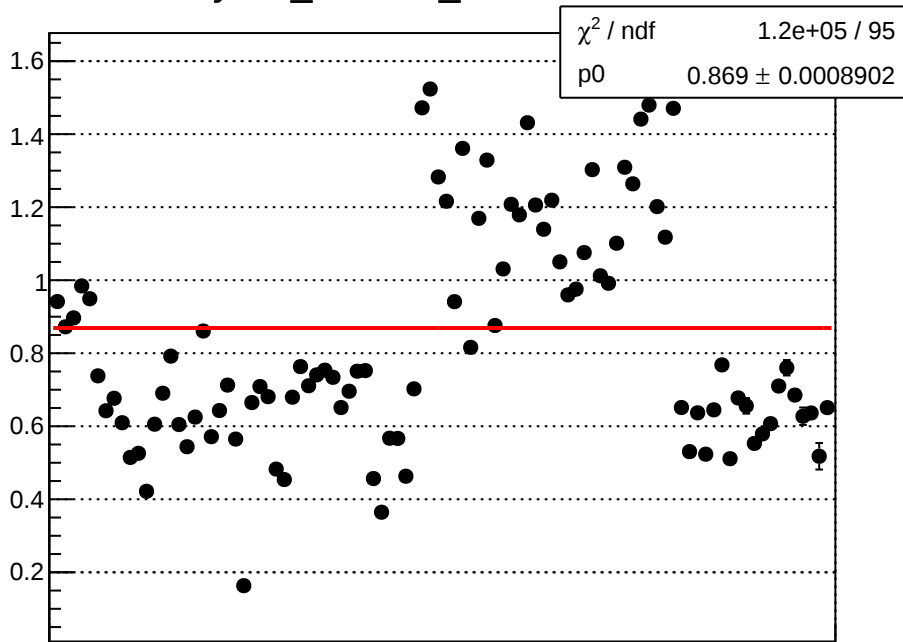
yield_cav4cY_mean vs run



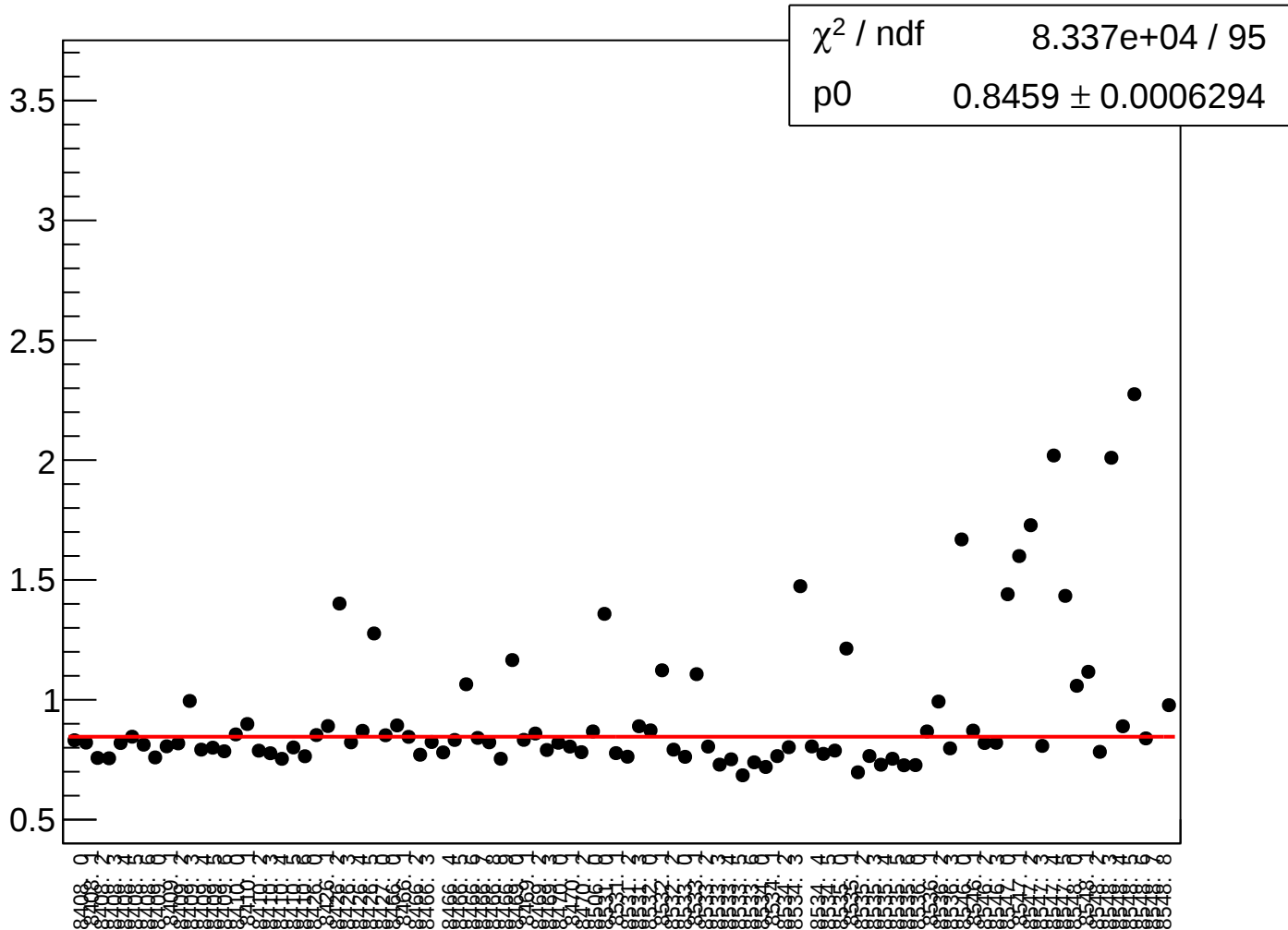
yield_cav4cY_rms vs run



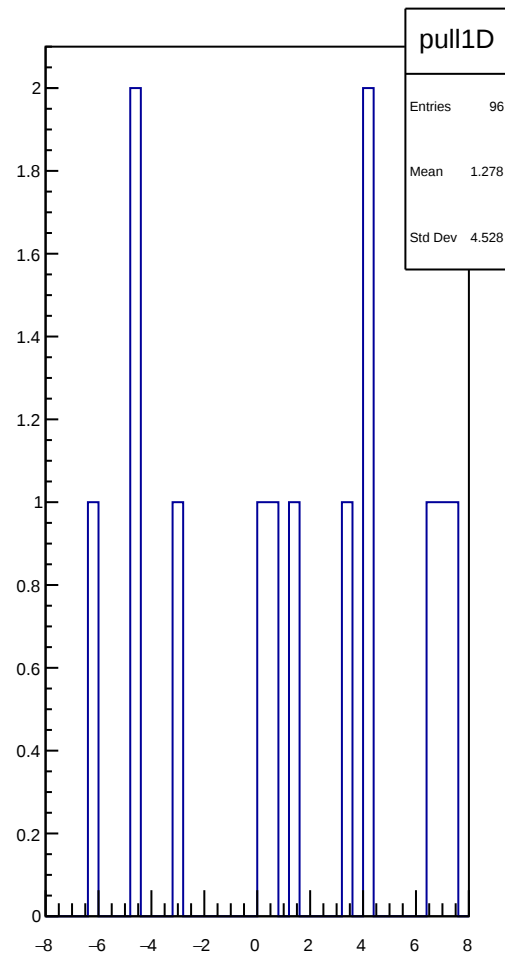
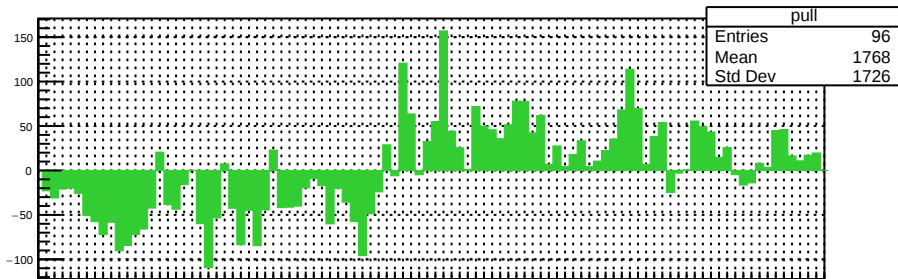
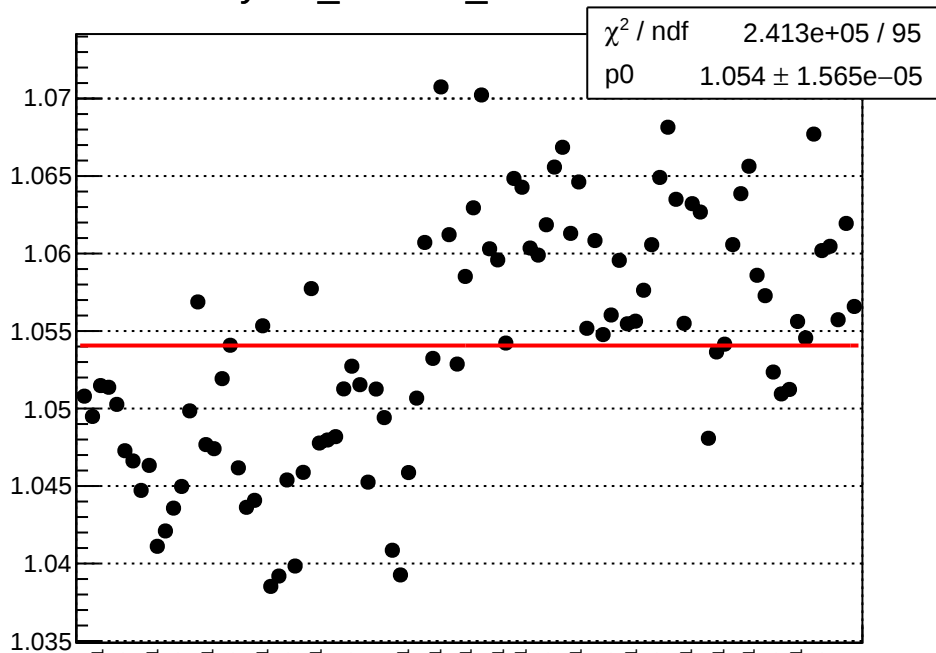
yield_cav4dX_mean vs run



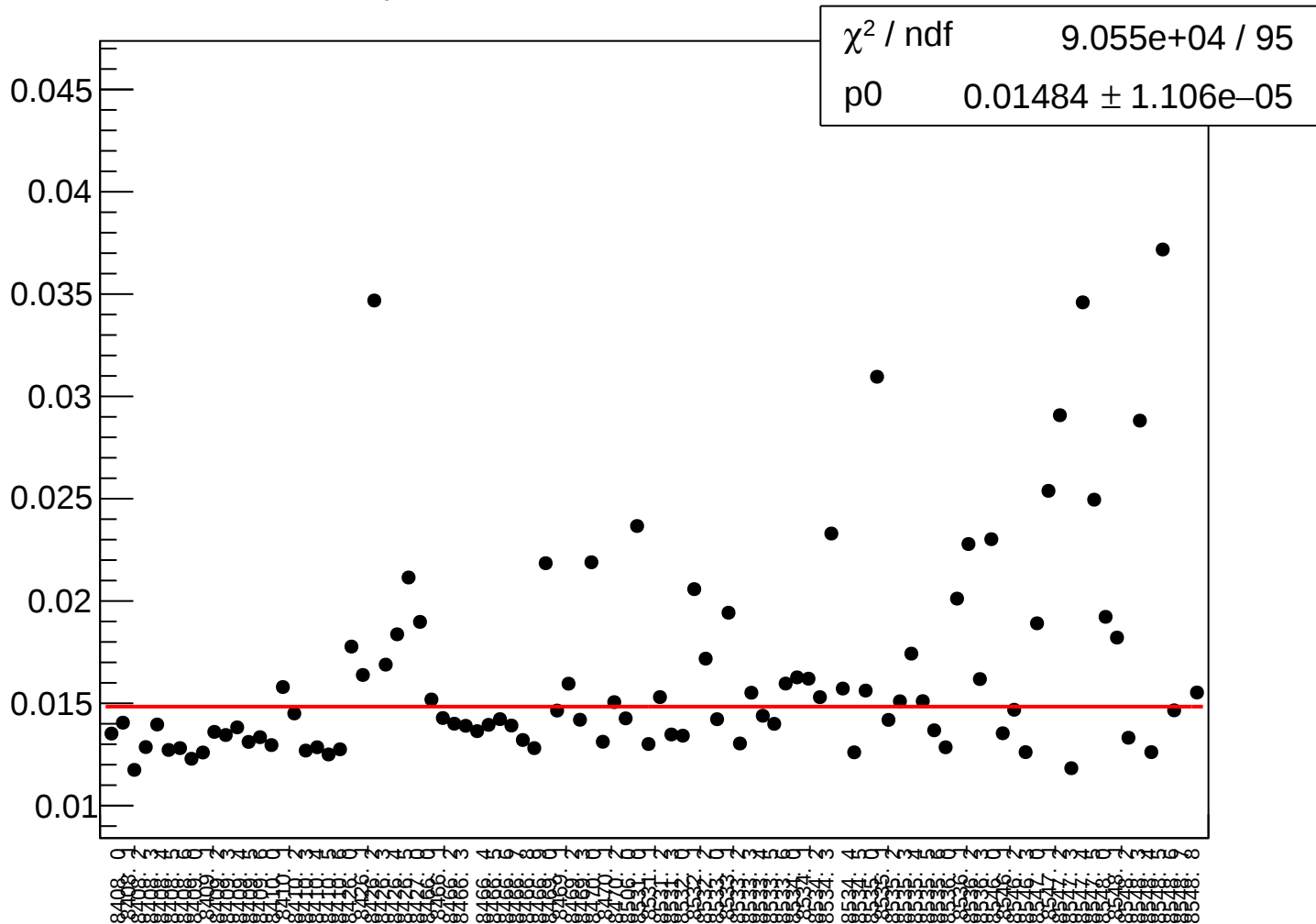
yield_cav4dX_rms vs run



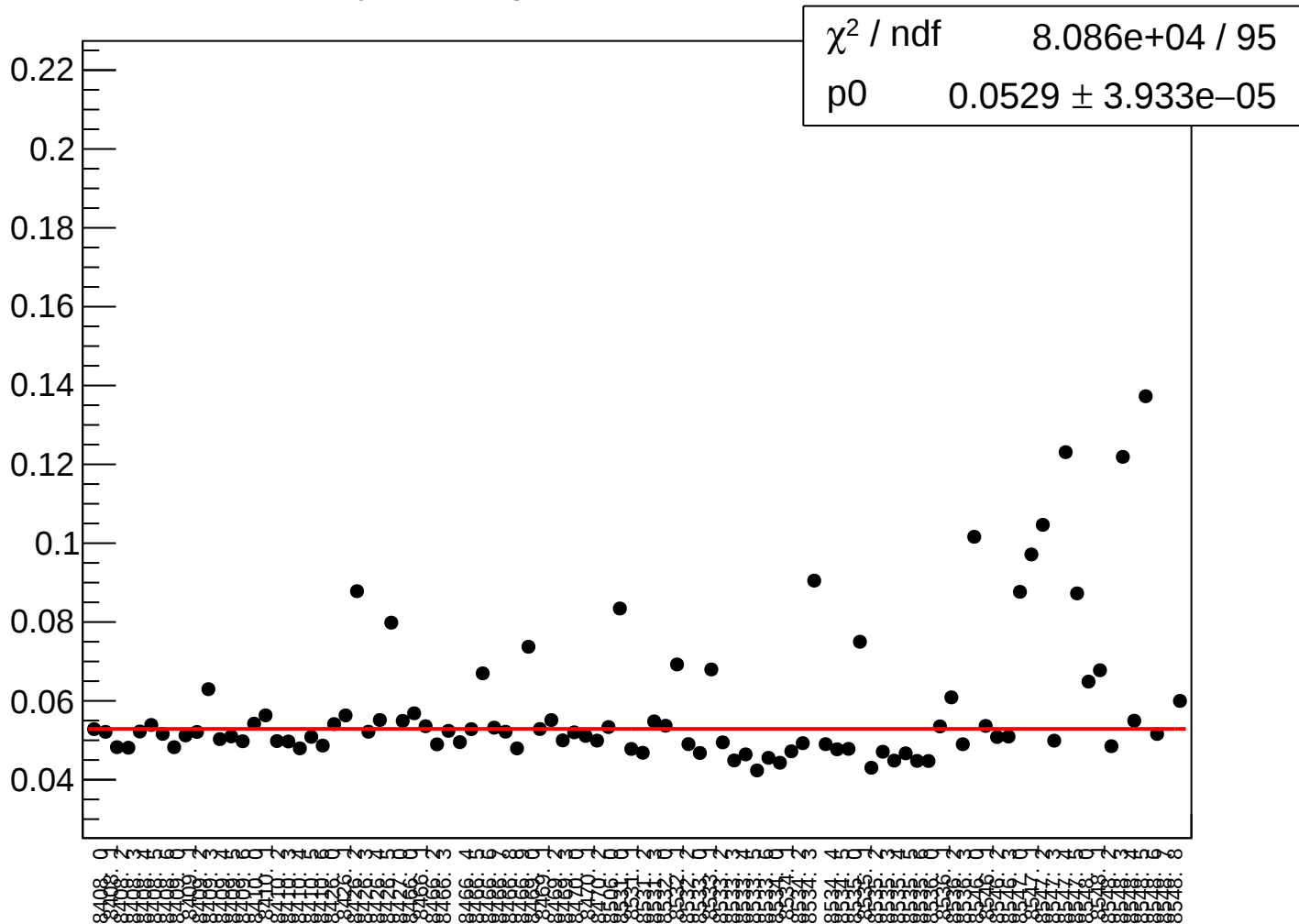
yield_cav4dY_mean vs run



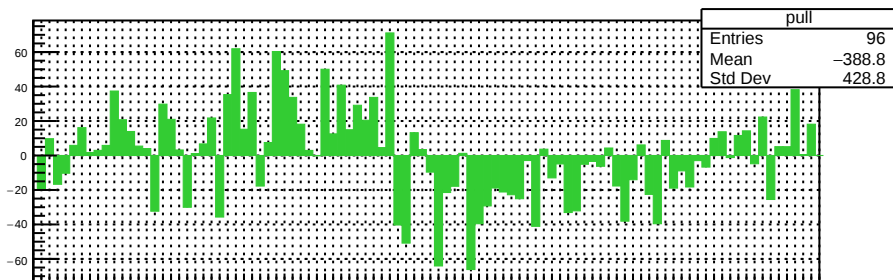
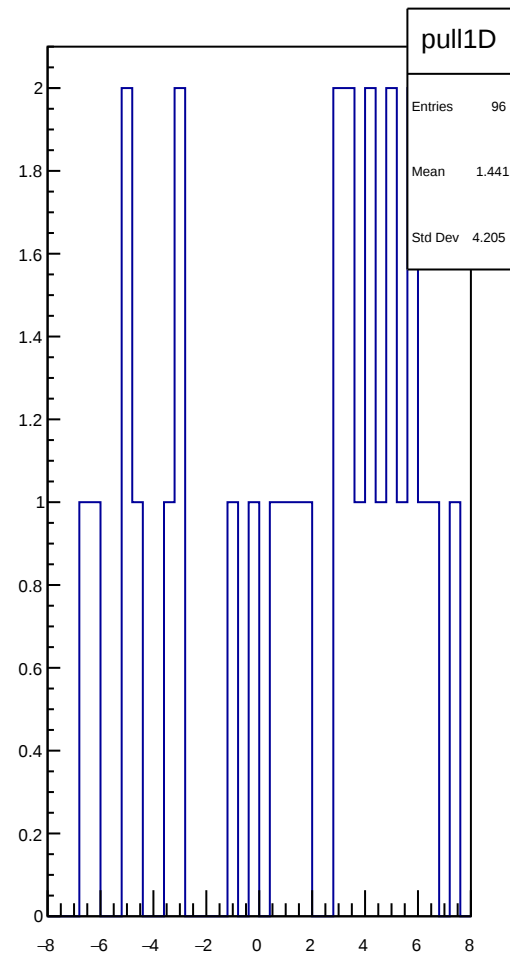
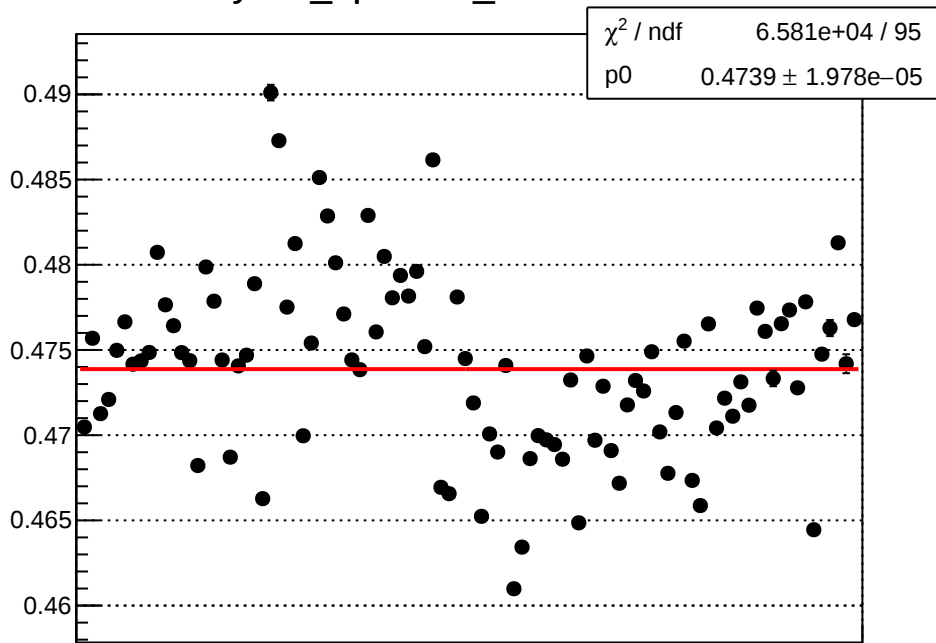
yield_cav4dY_rms vs run



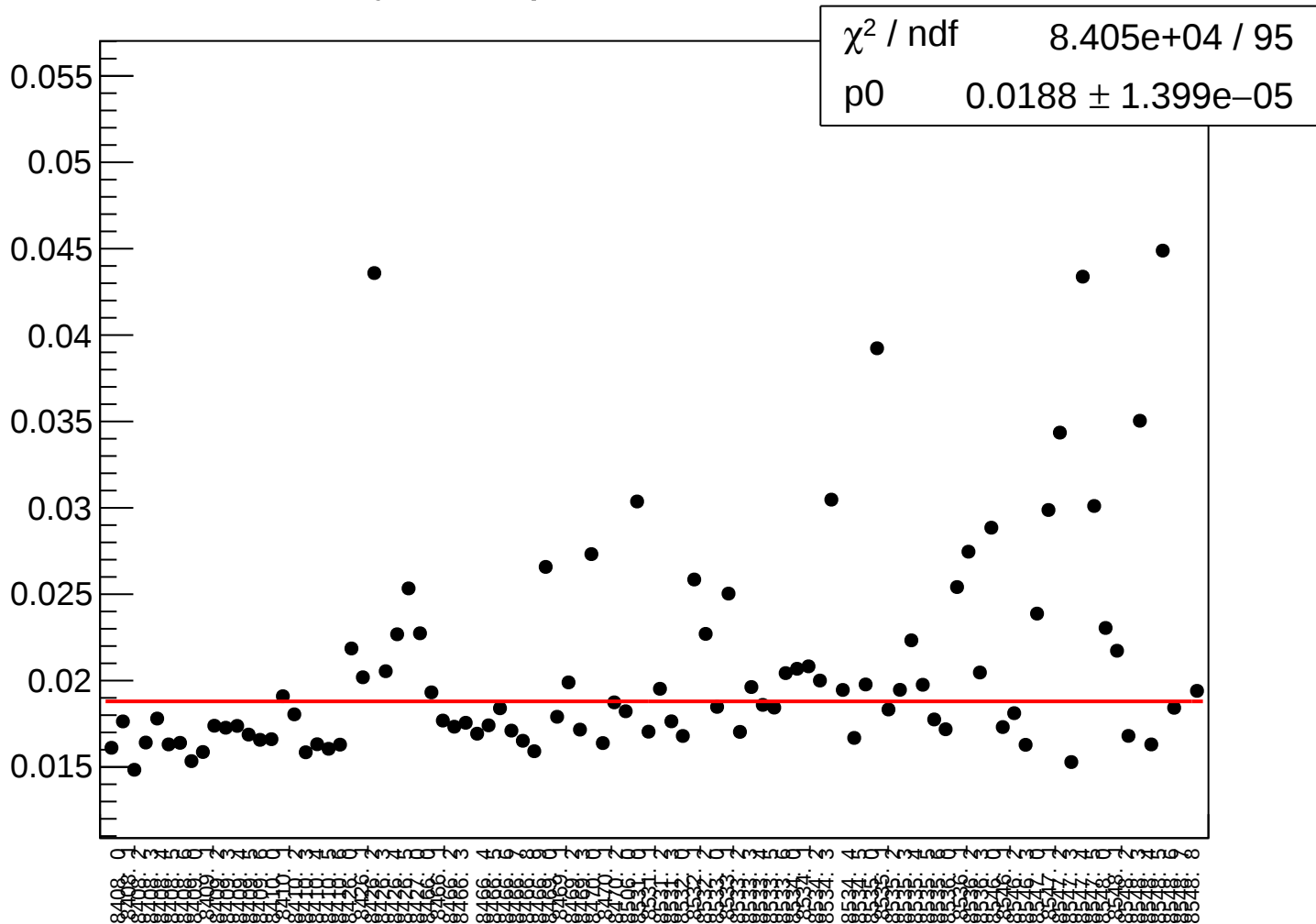
yield_bpm4aX_rms vs run



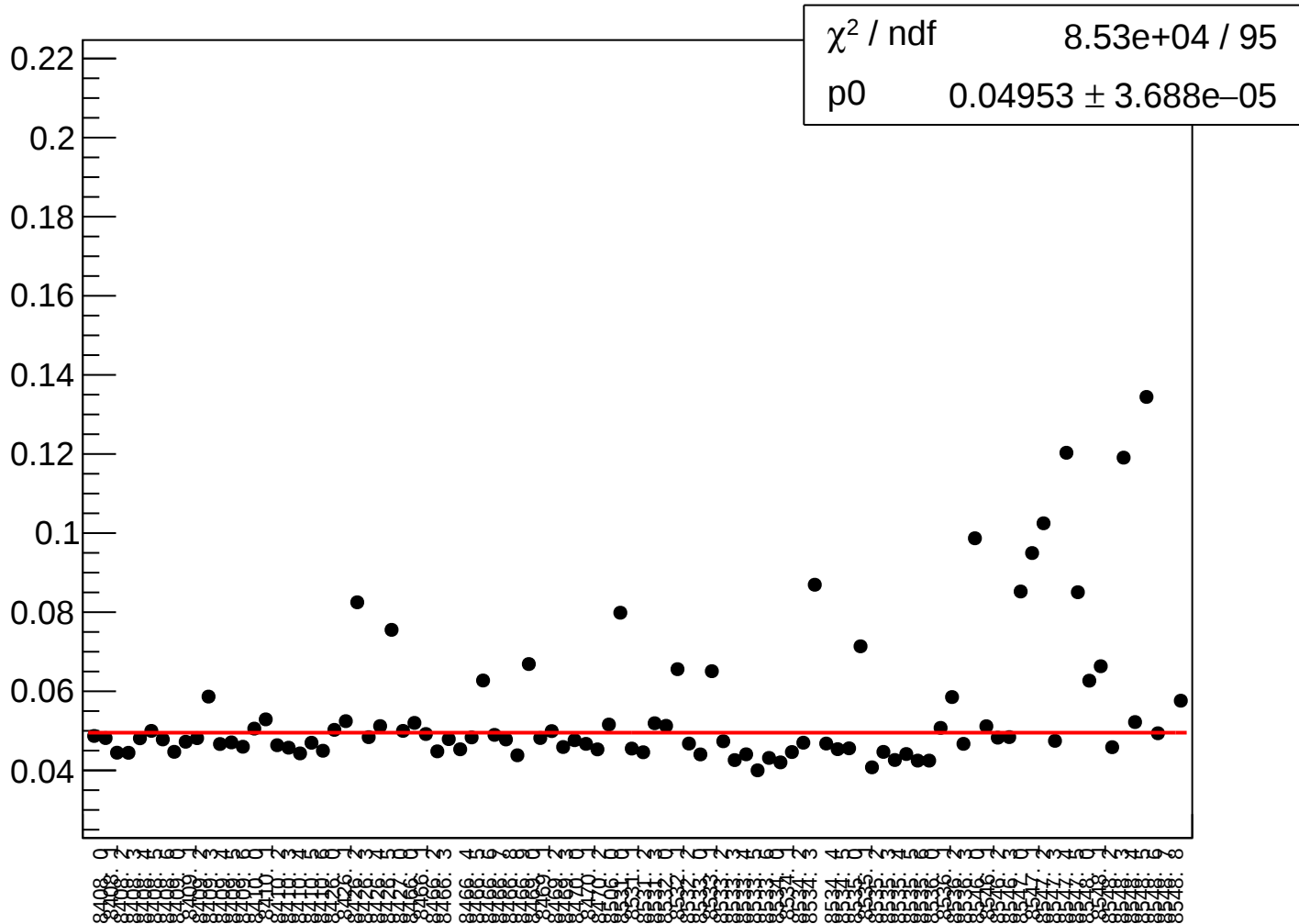
yield_bpm4aY_mean vs run



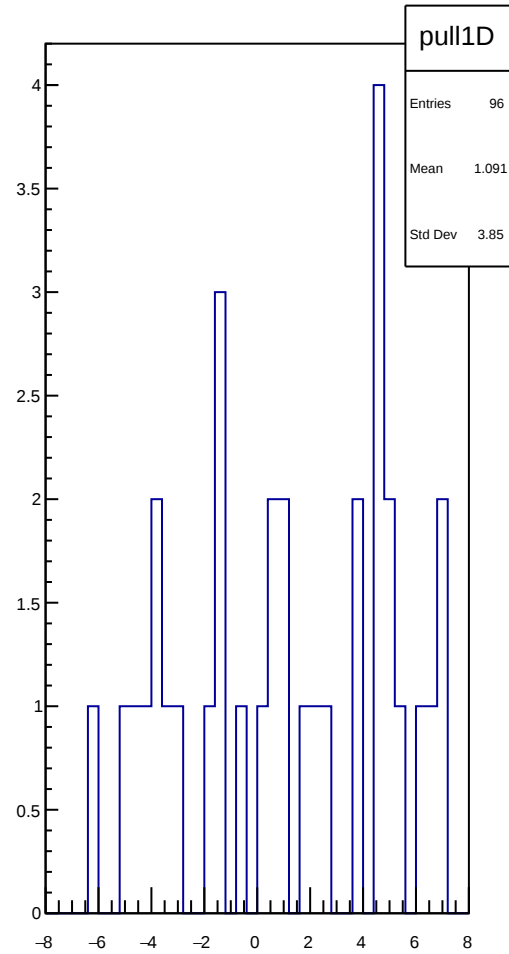
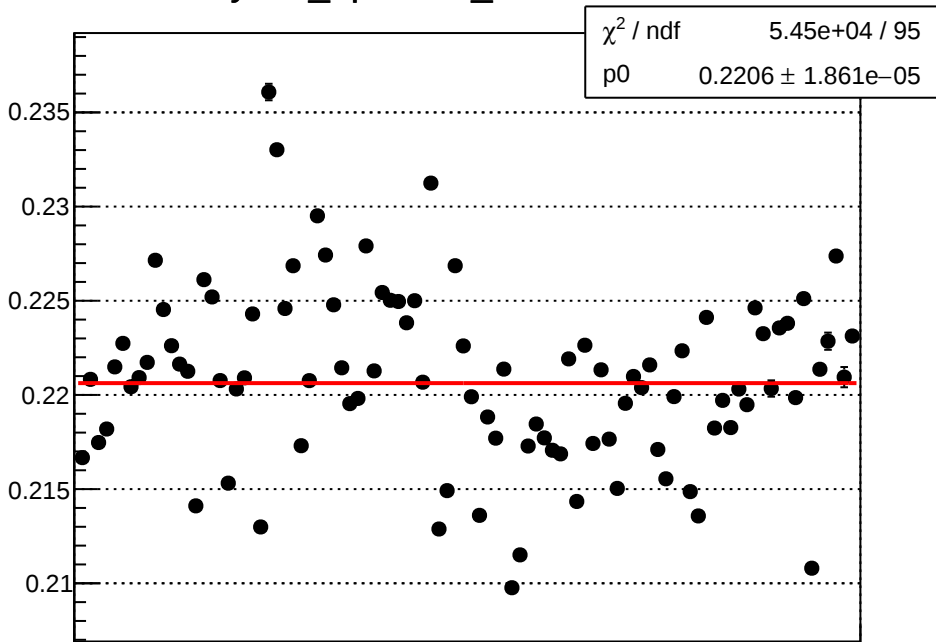
yield_bpm4aY_rms vs run



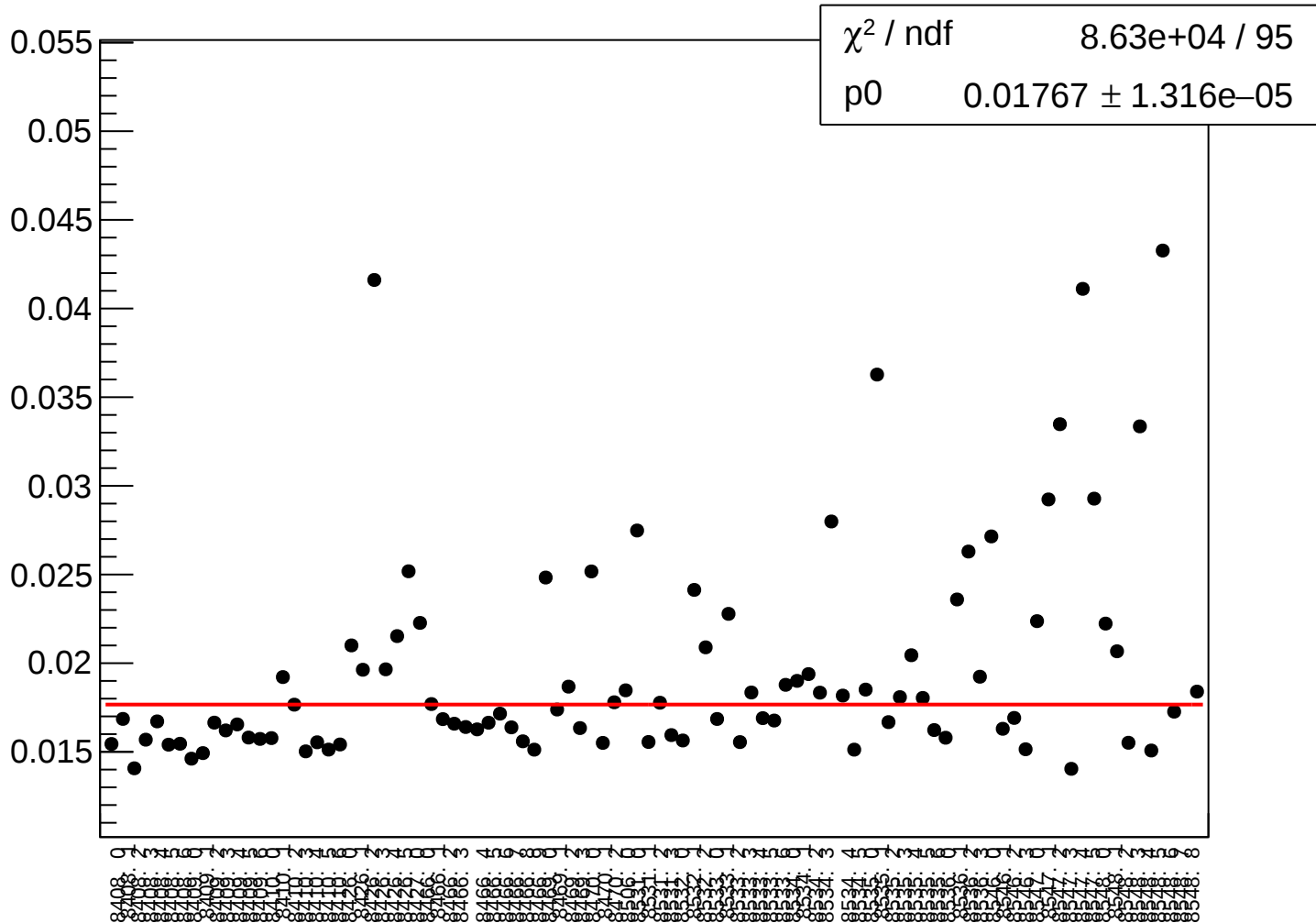
yield_bpm4eX_rms vs run



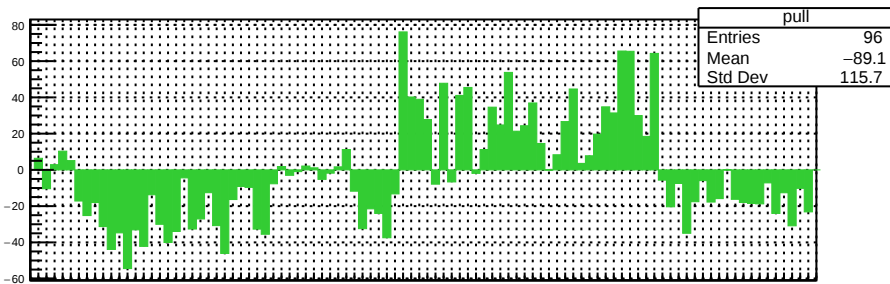
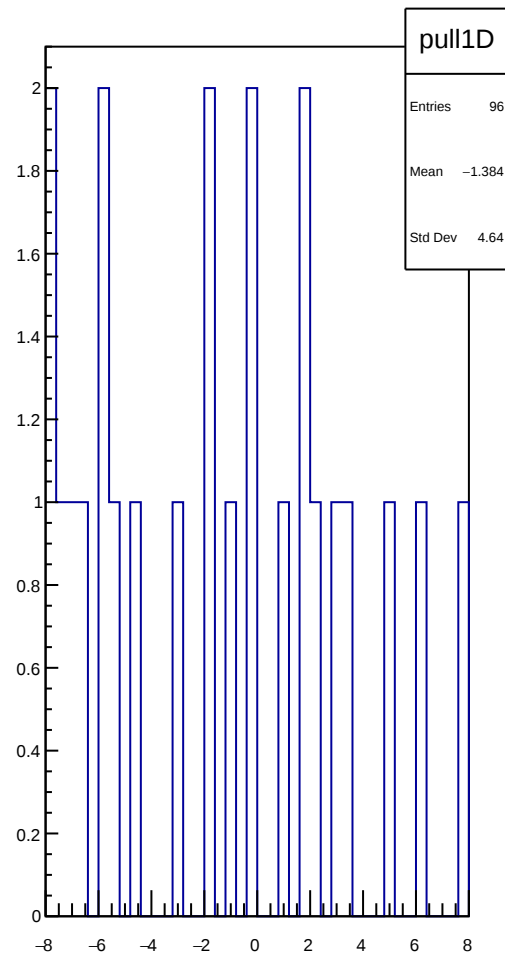
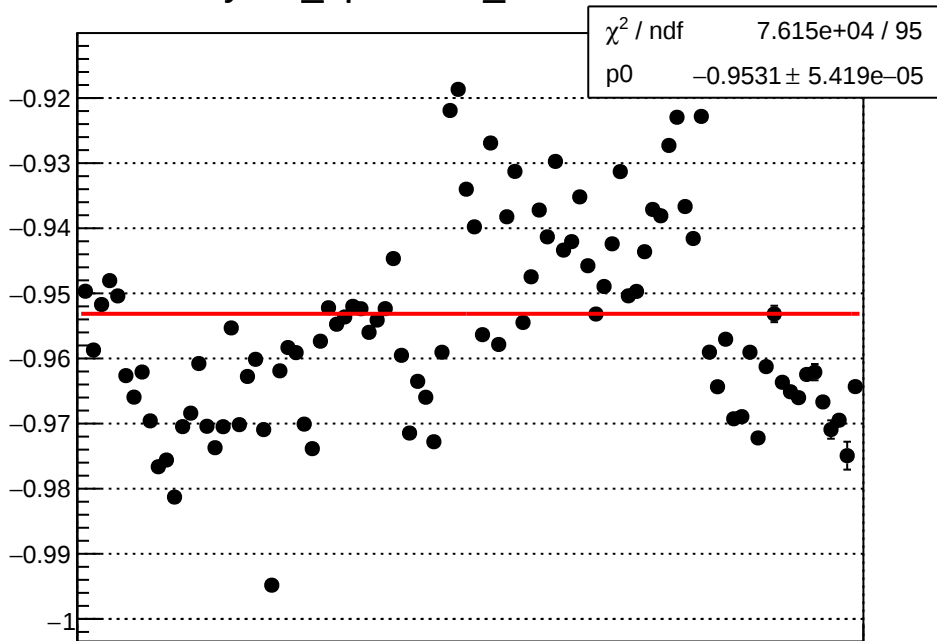
yield_bpm4eY_mean vs run



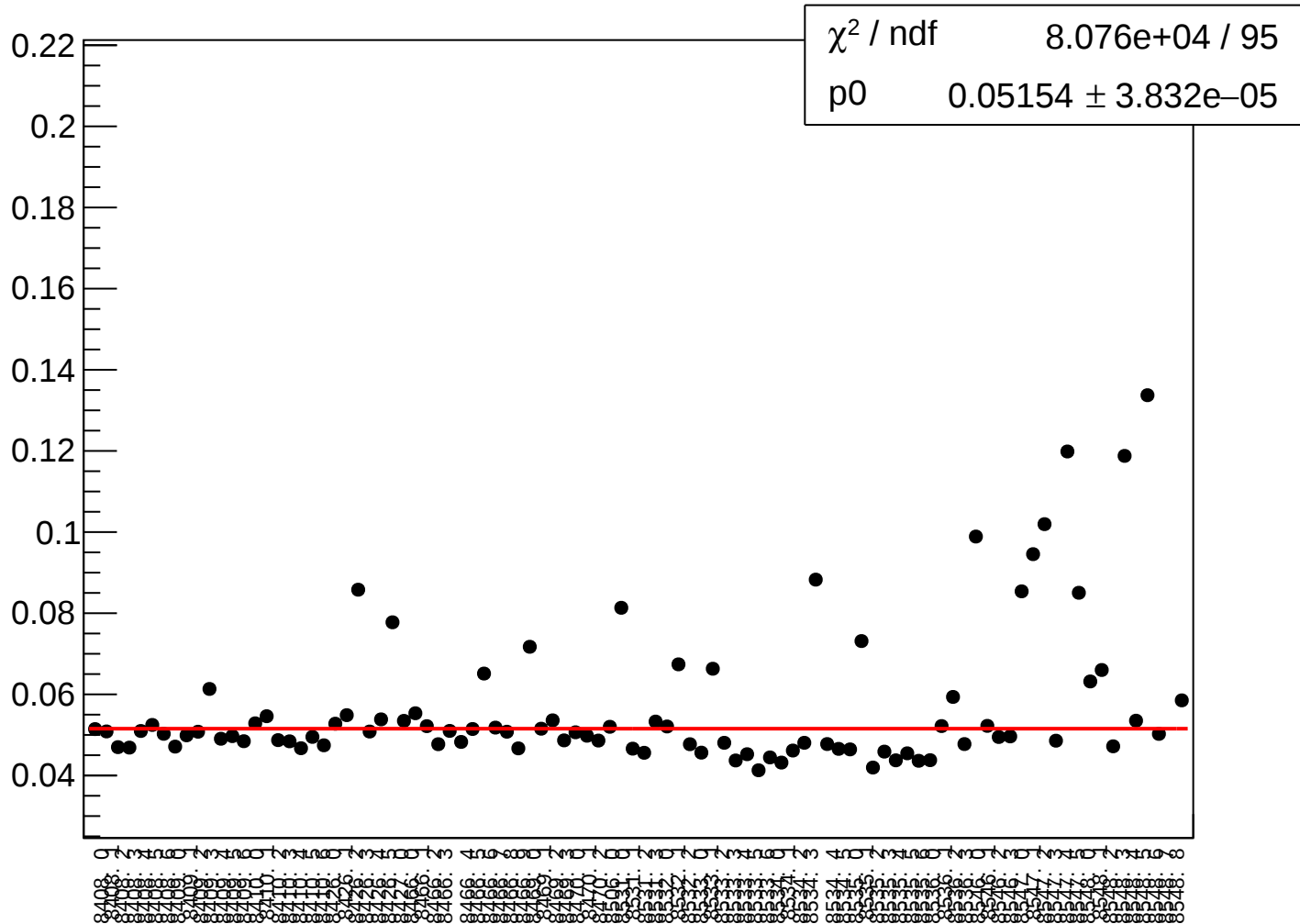
yield_bpm4eY_rms vs run



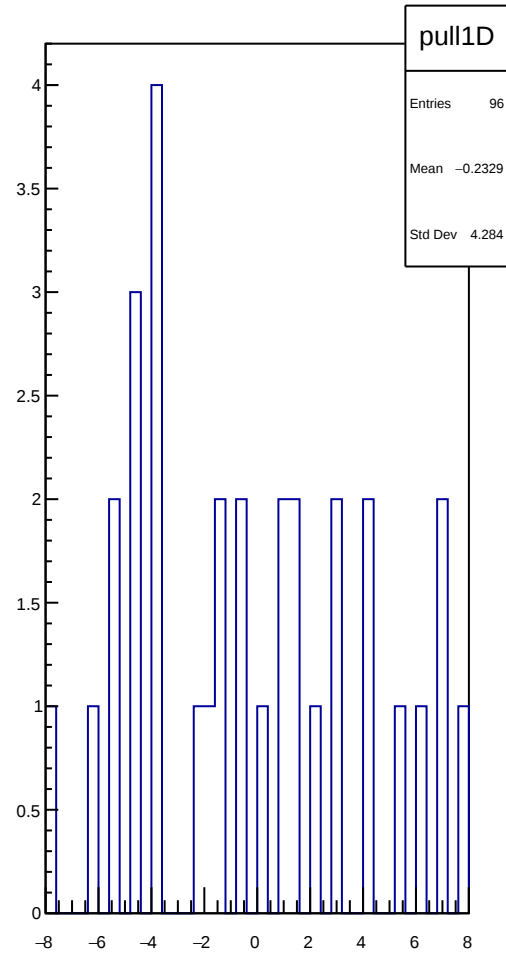
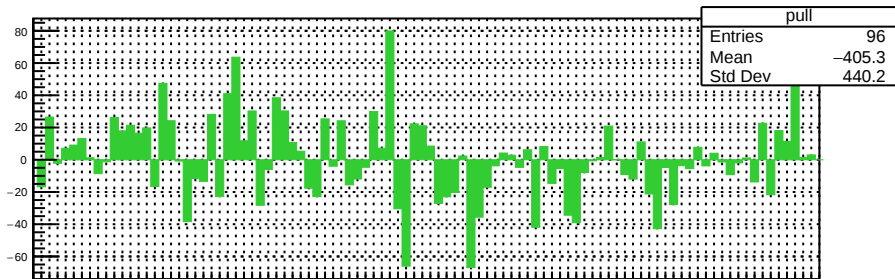
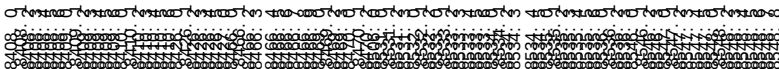
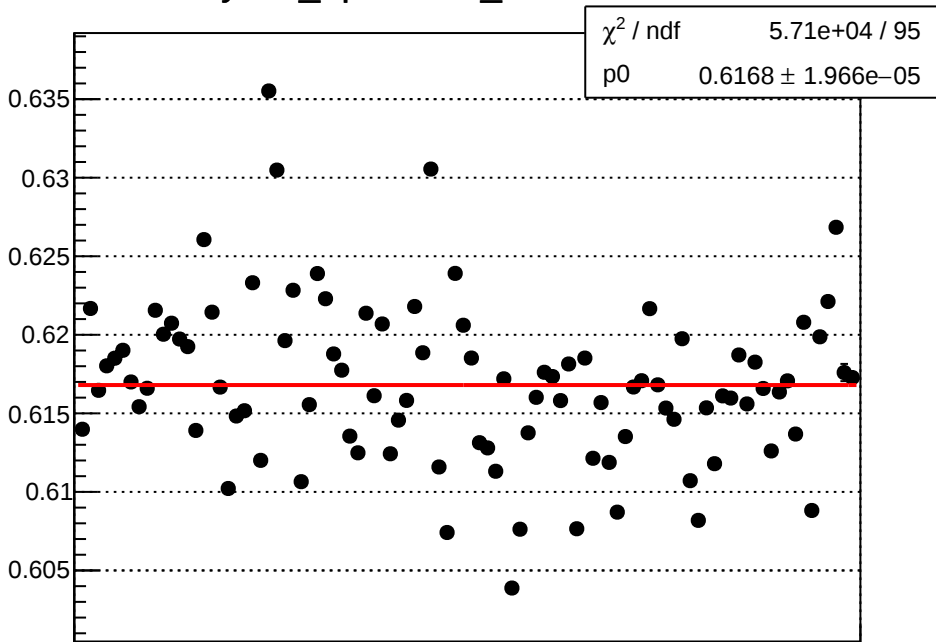
yield_bpm4acX_mean vs run



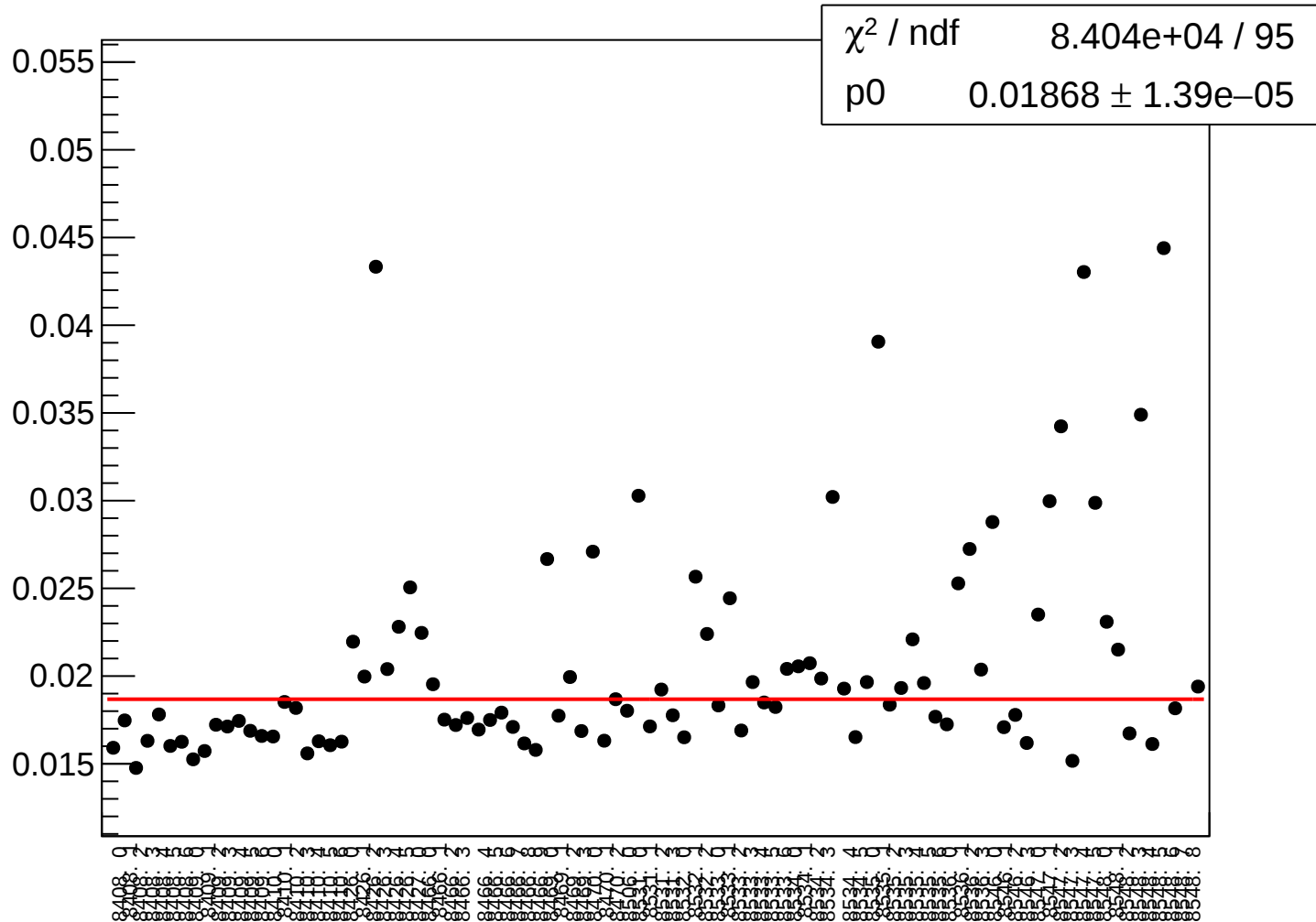
yield_bpm4acX_rms vs run



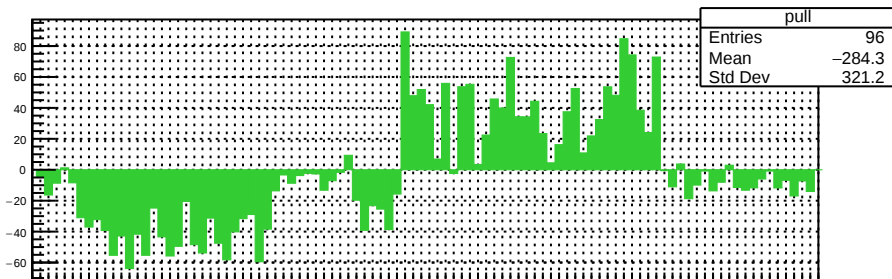
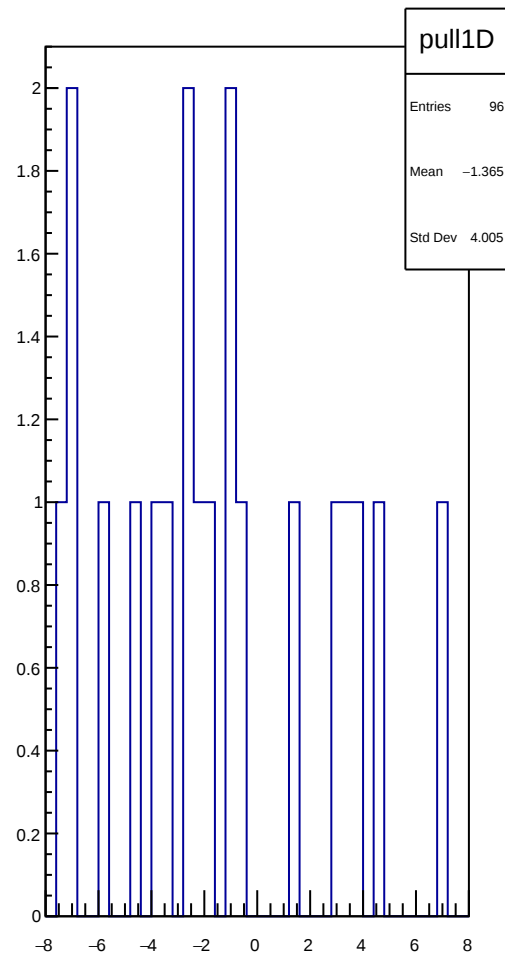
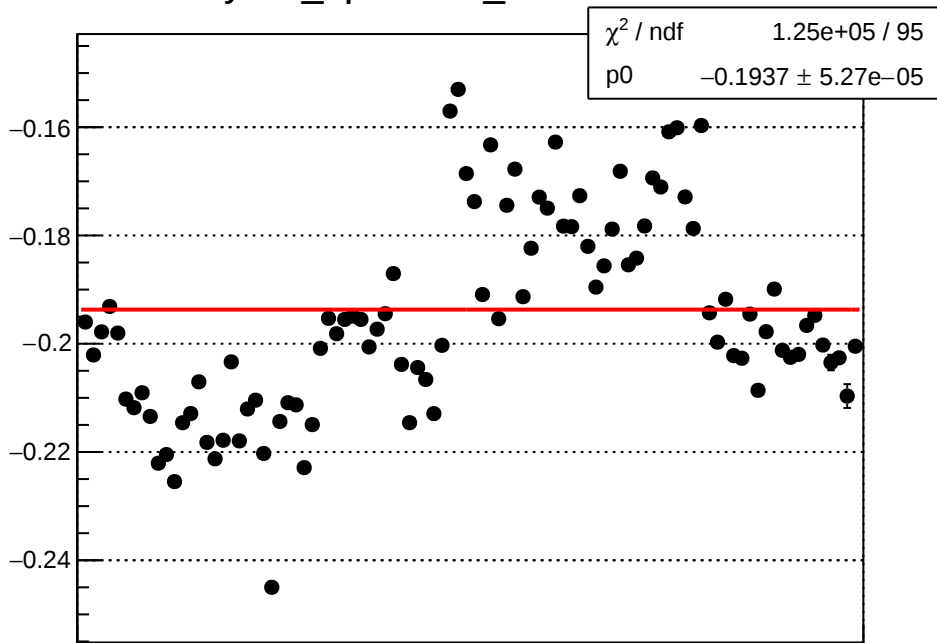
yield_bpm4acY_mean vs run



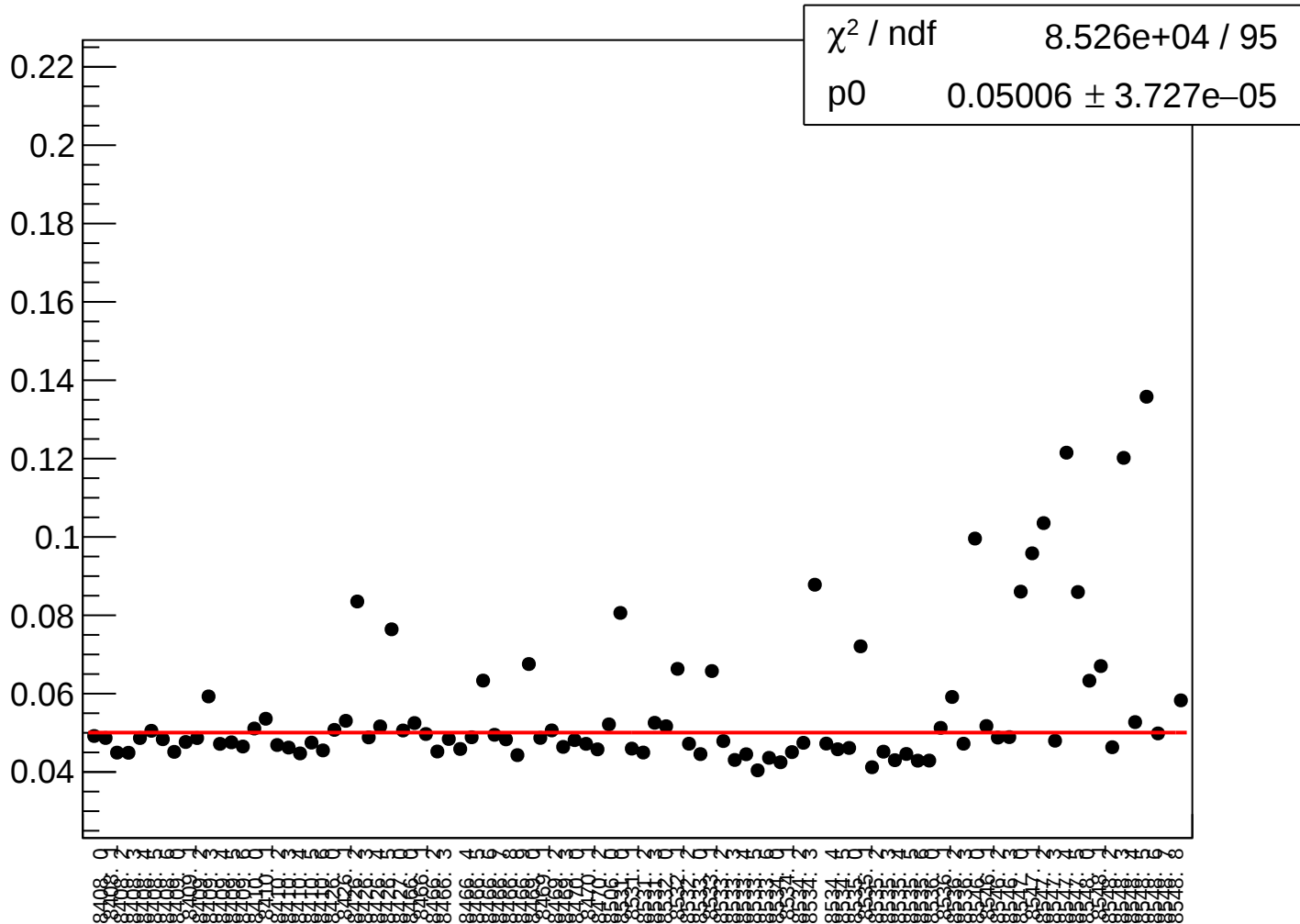
yield_bpm4acY_rms vs run



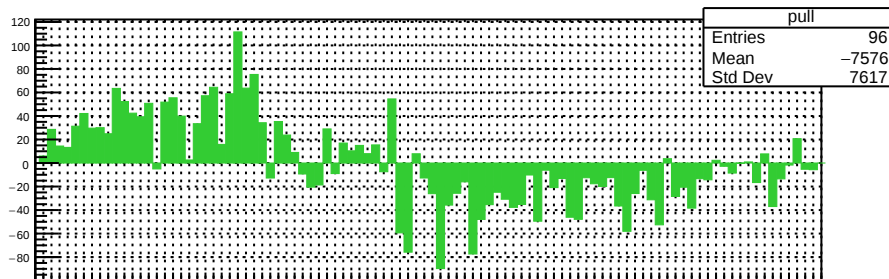
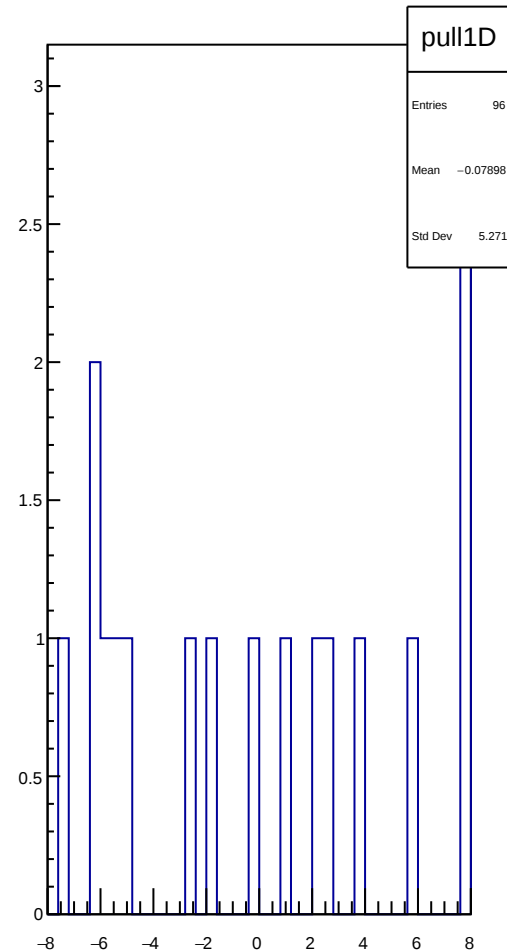
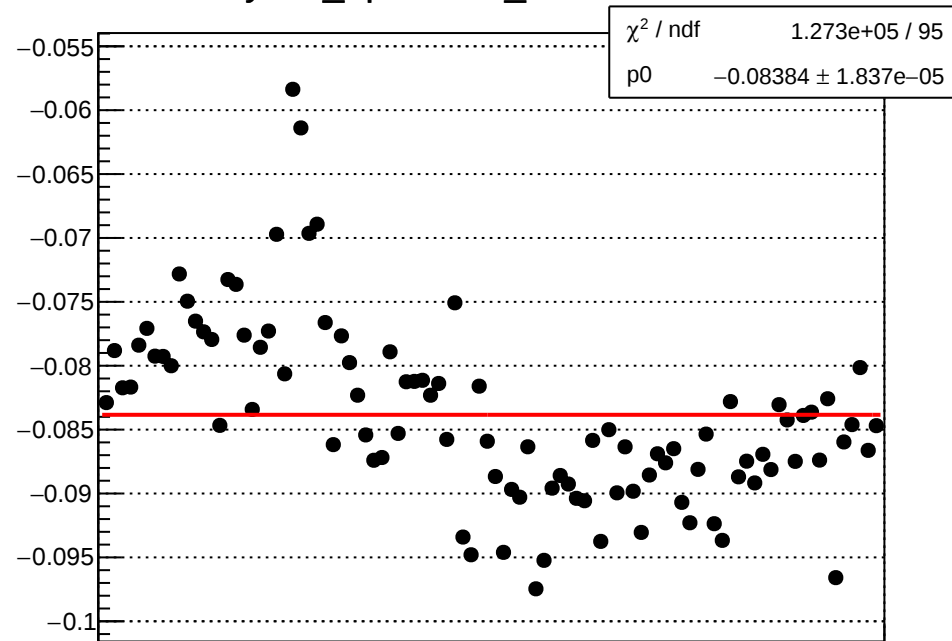
yield_bpm4ecX_mean vs run



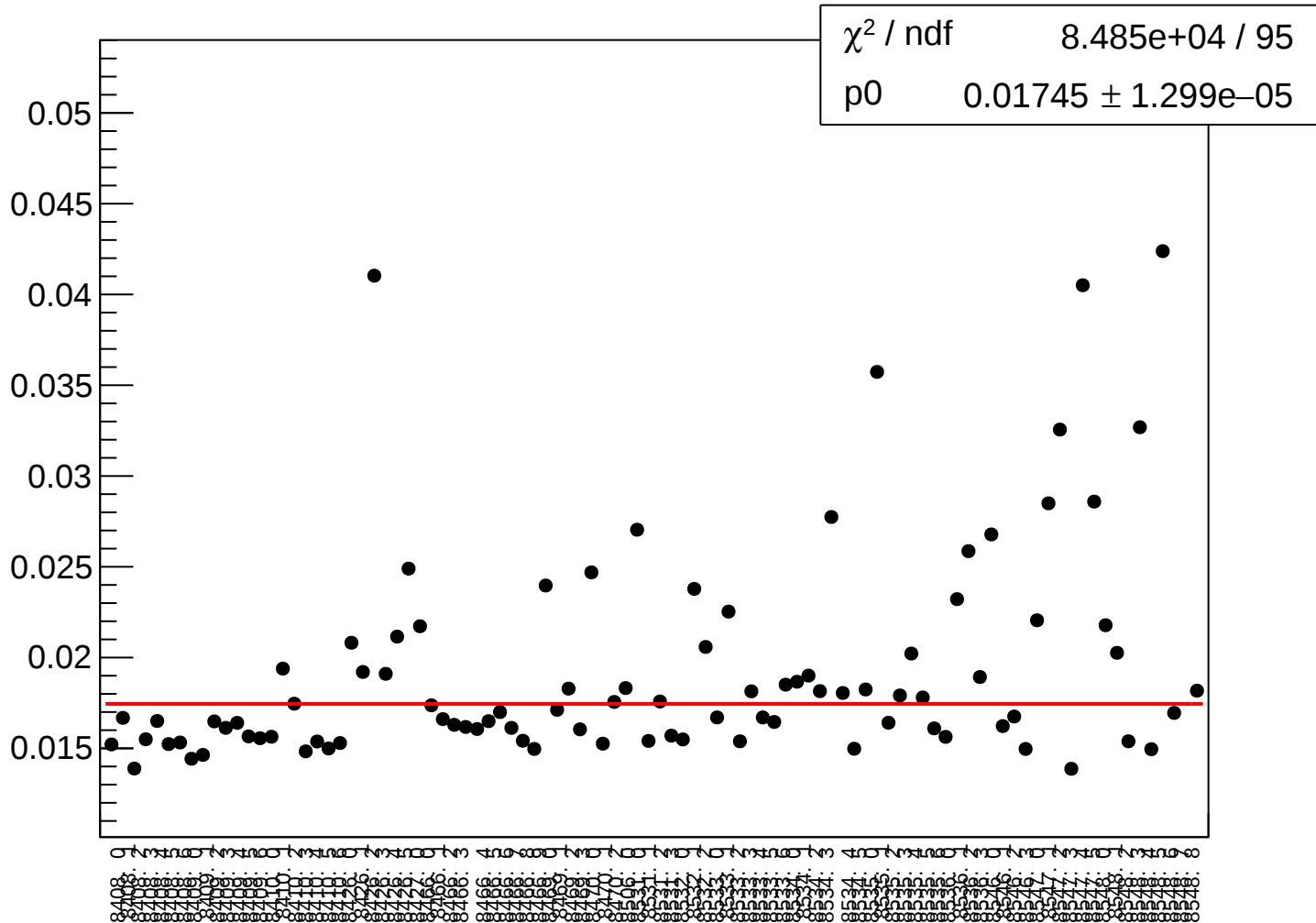
yield_bpm4ecX_rms vs run



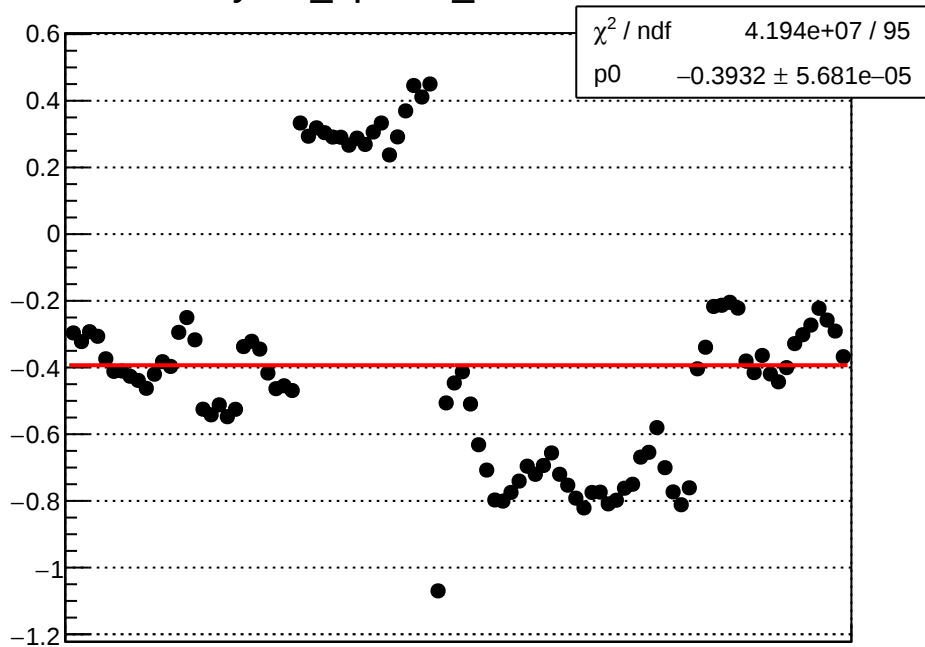
yield_bpm4ecY_mean vs run



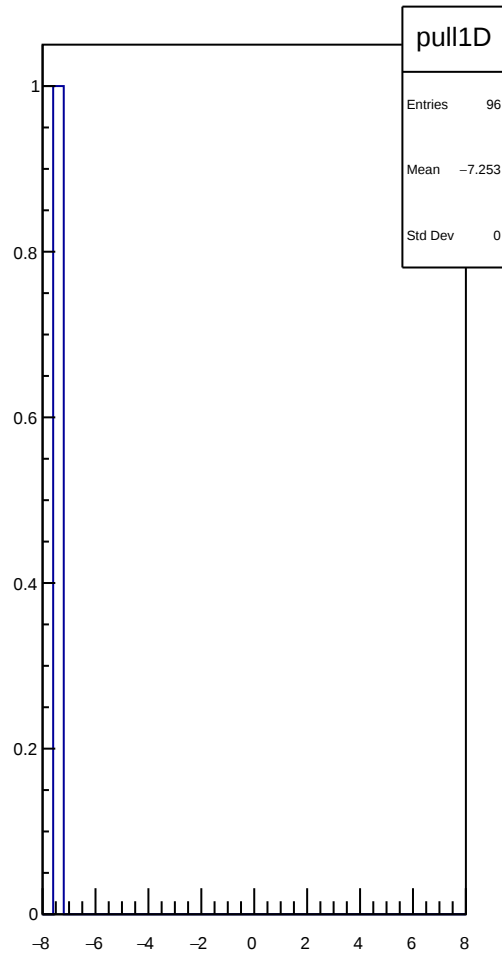
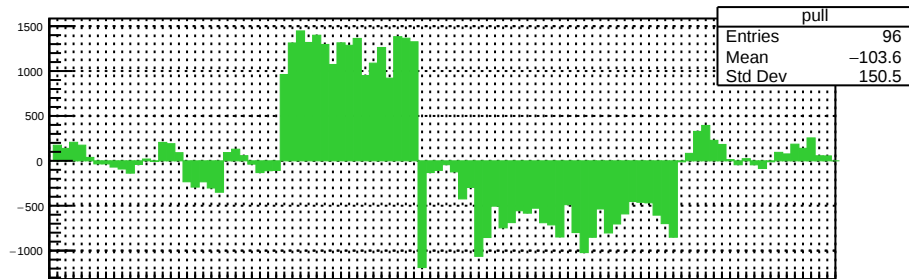
yield_bpm4ecY_rms vs run



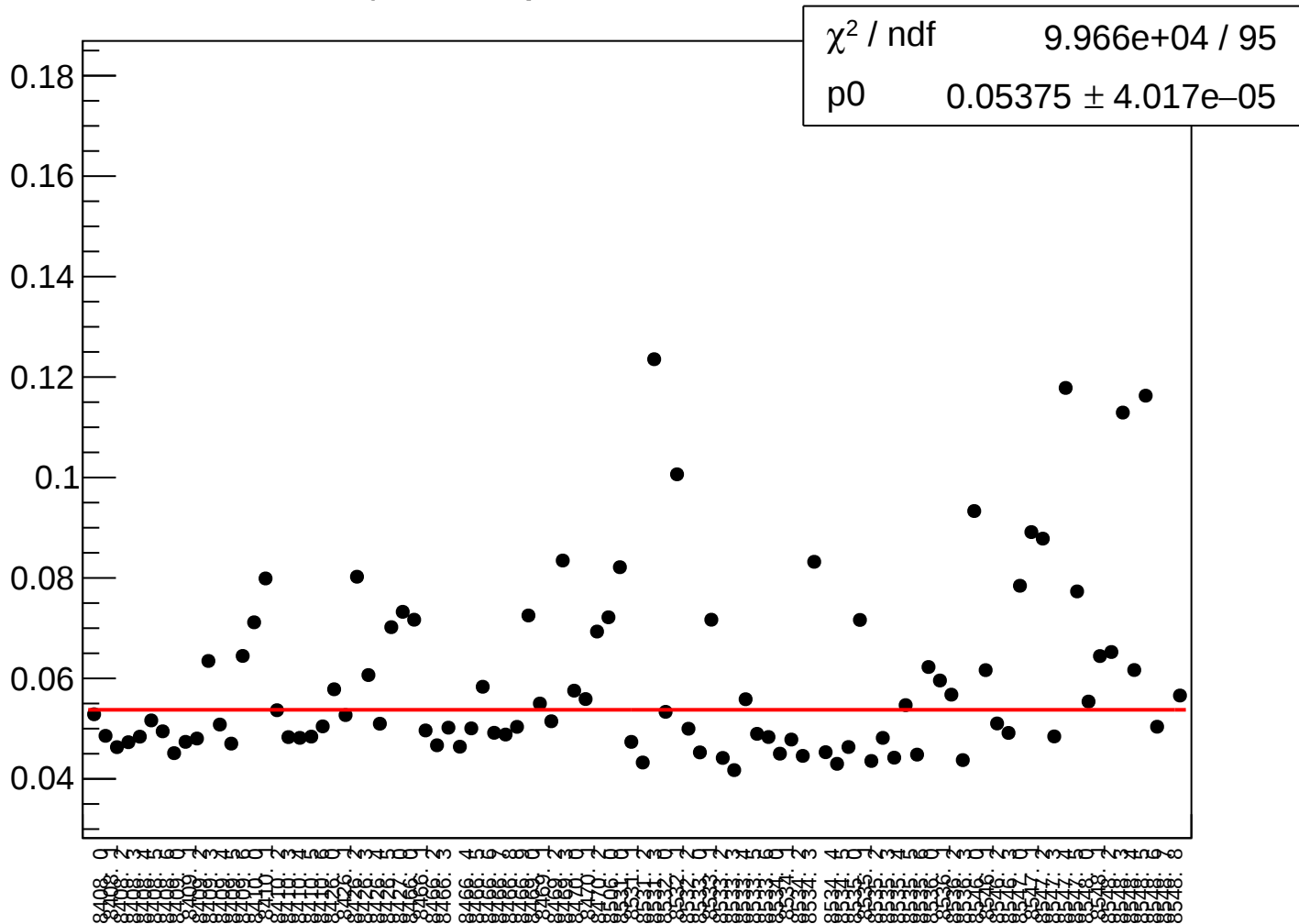
yield_bpm1X_mean vs run



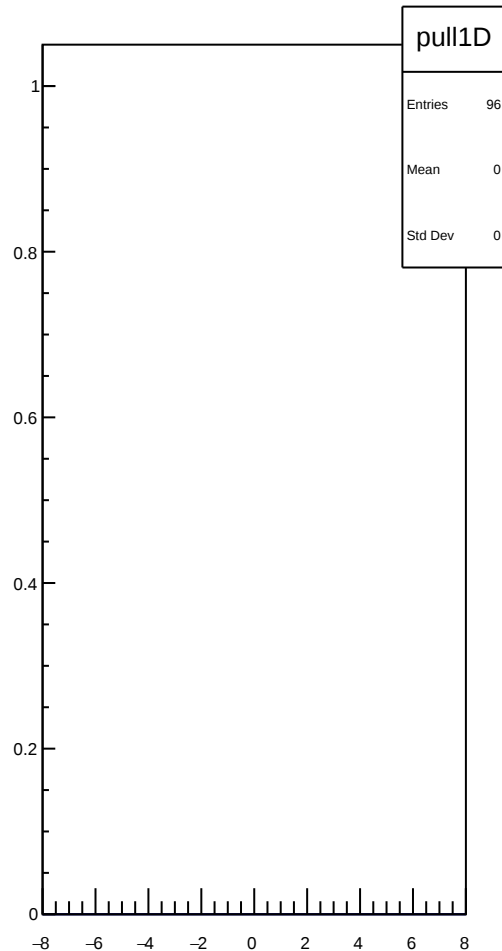
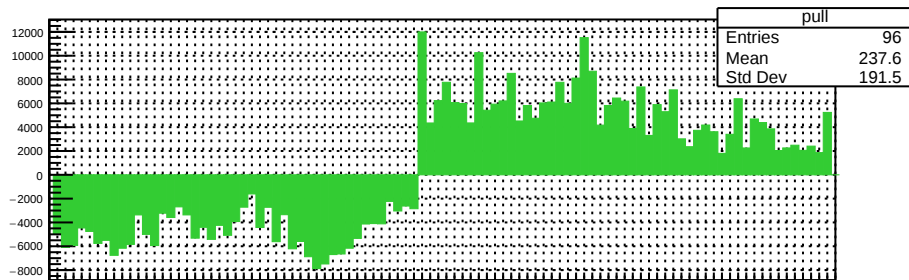
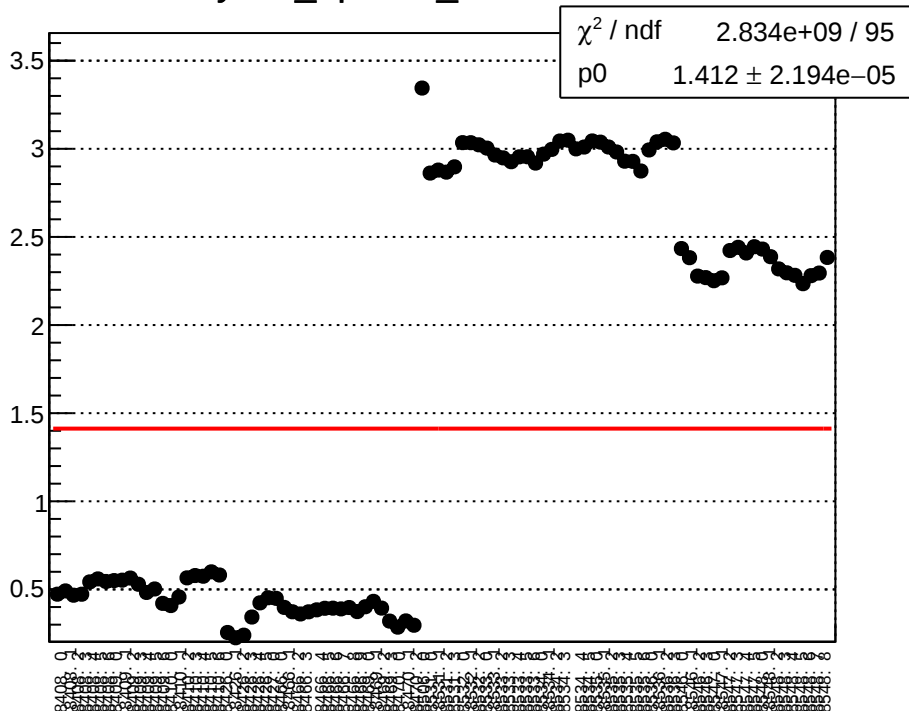
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4 4.2 4.4 4.6 4.8 5 5.2 5.4 5.6 5.8 6 6.2 6.4 6.6 6.8 7 7.2 7.4 7.6 7.8 8 8.2 8.4 8.6 8.8 9 9.2 9.4 9.6 9.8 100



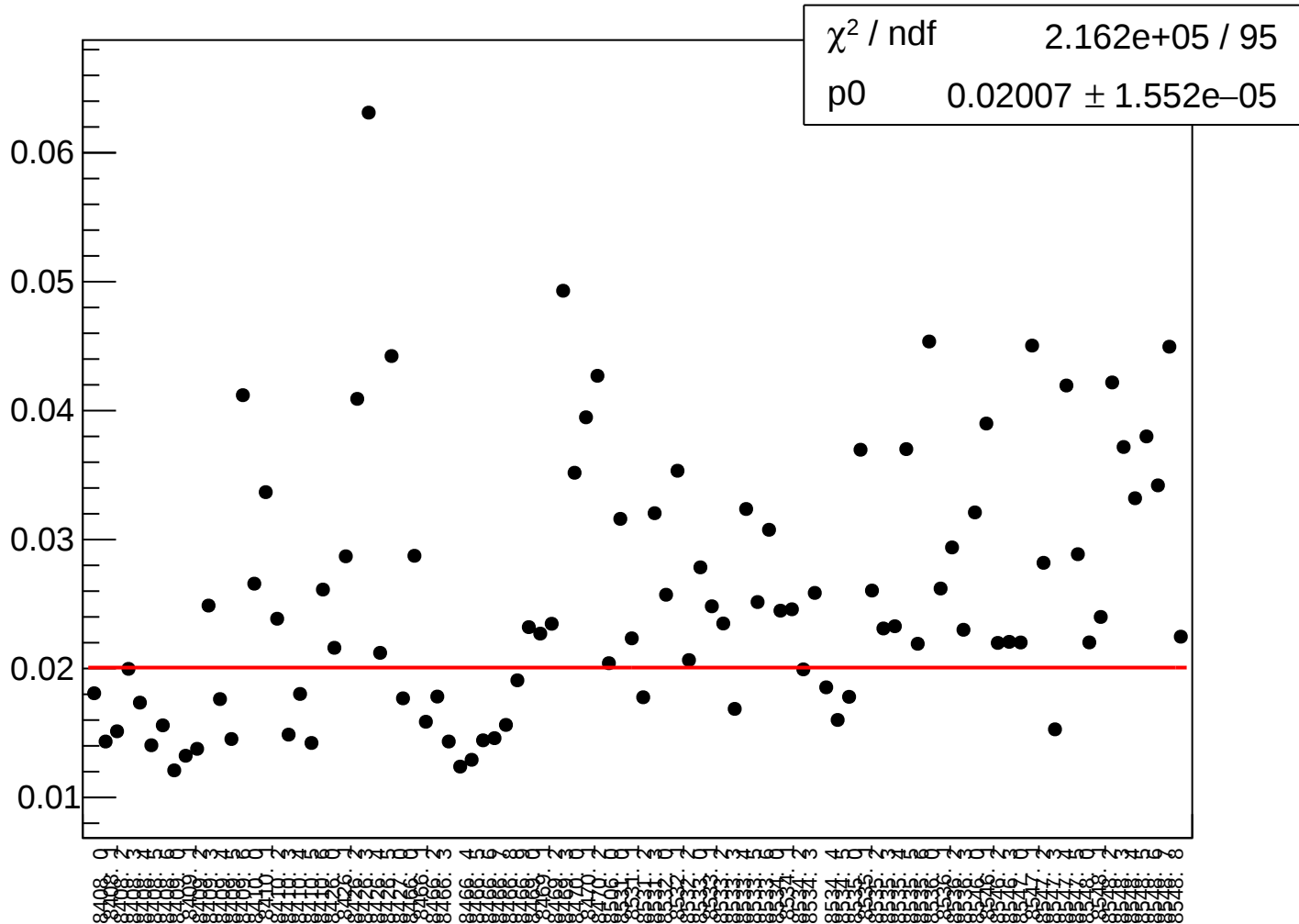
yield_bpm1X_rms vs run



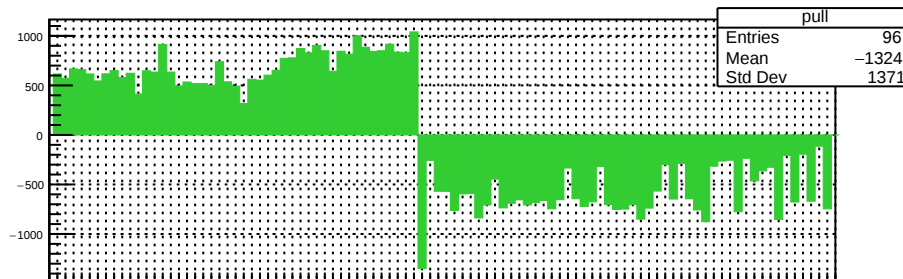
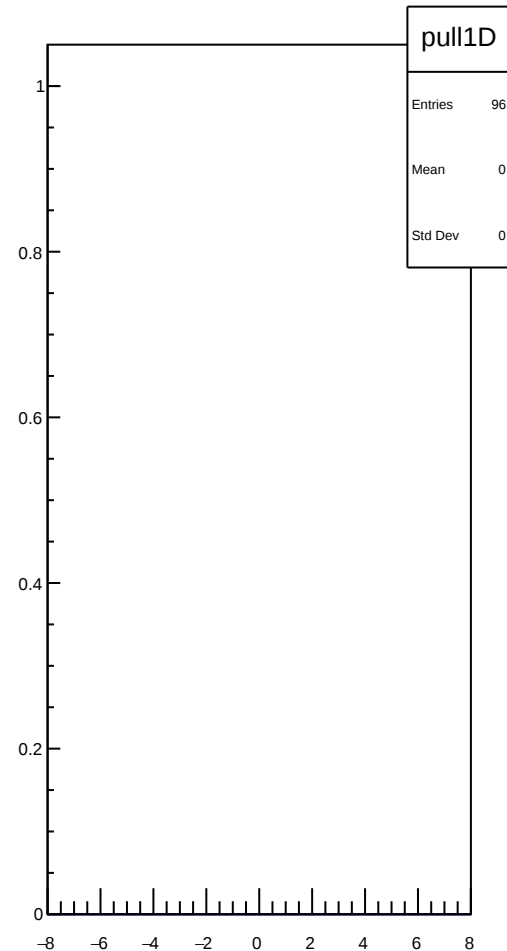
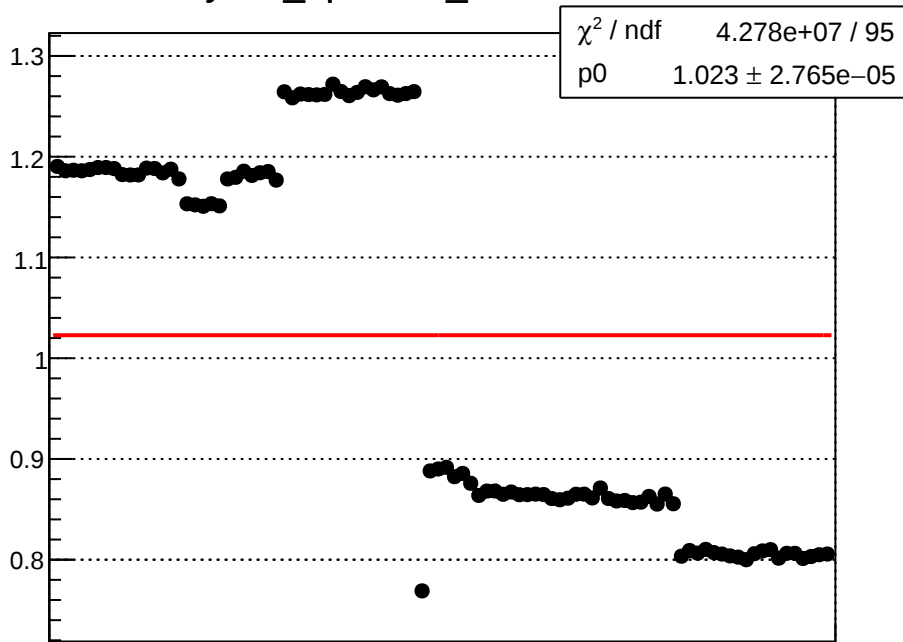
yield_bpm1Y_mean vs run



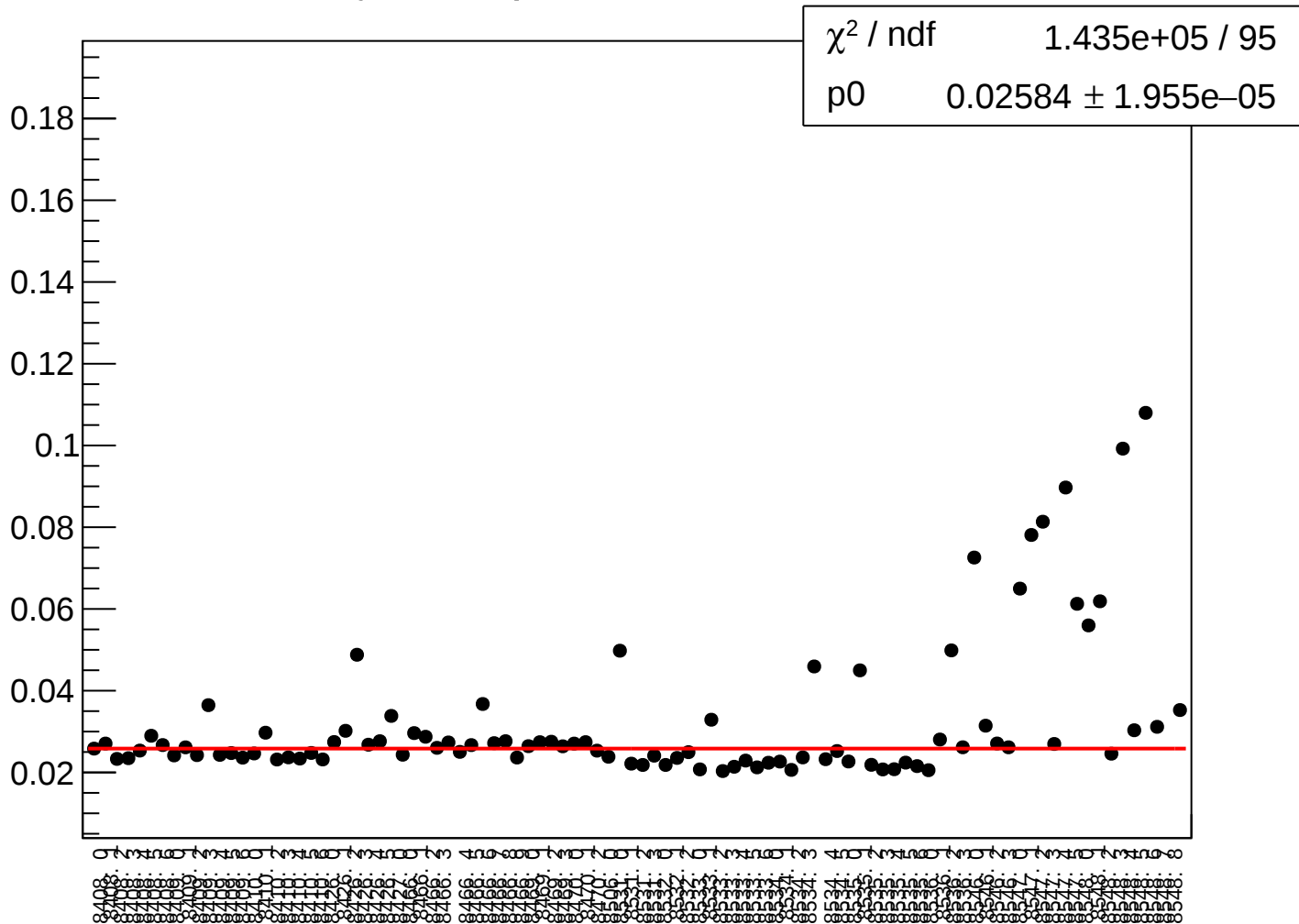
yield_bpm1Y_rms vs run



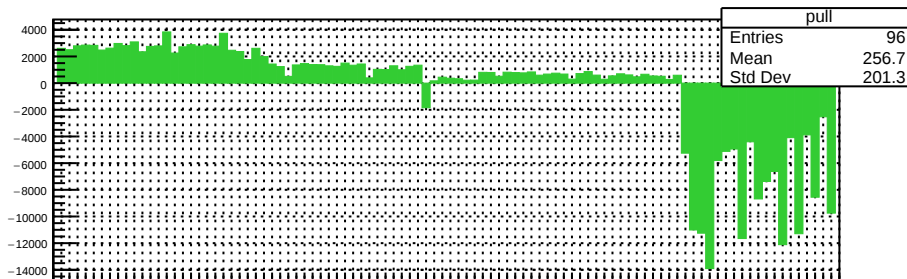
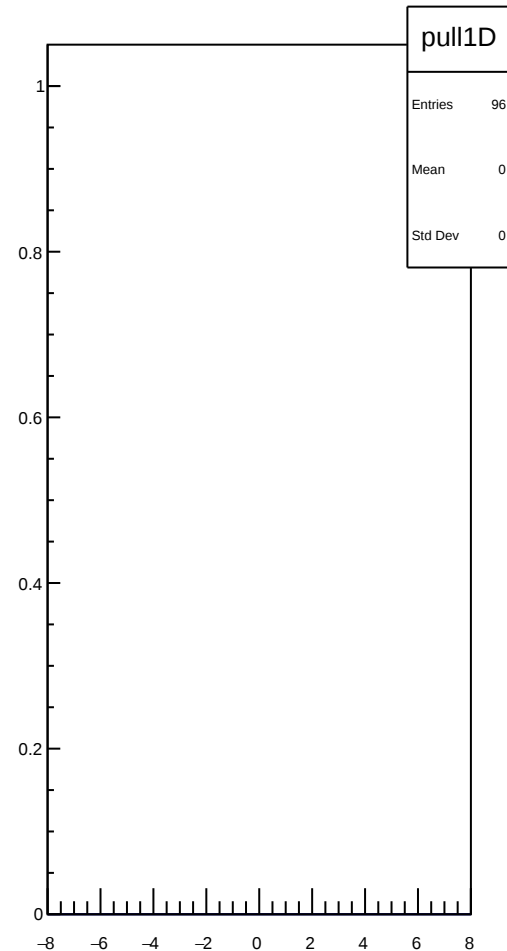
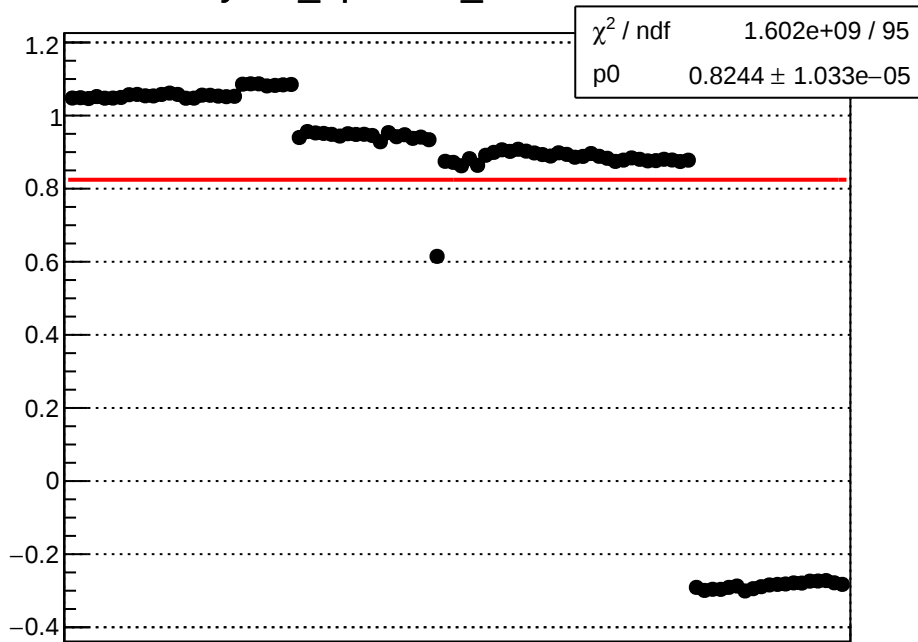
yield_bpm11X_mean vs run



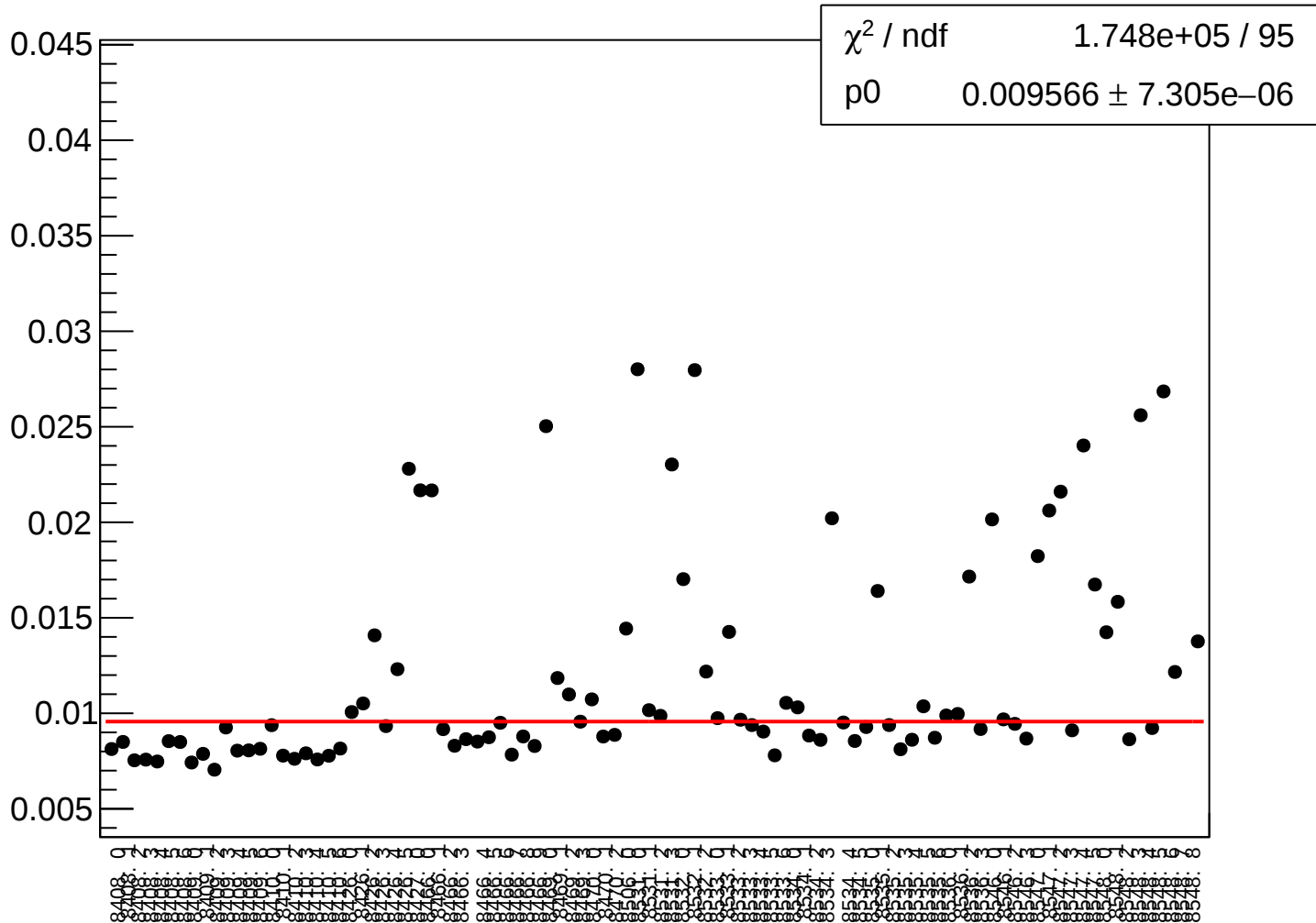
yield_bpm11X_rms vs run



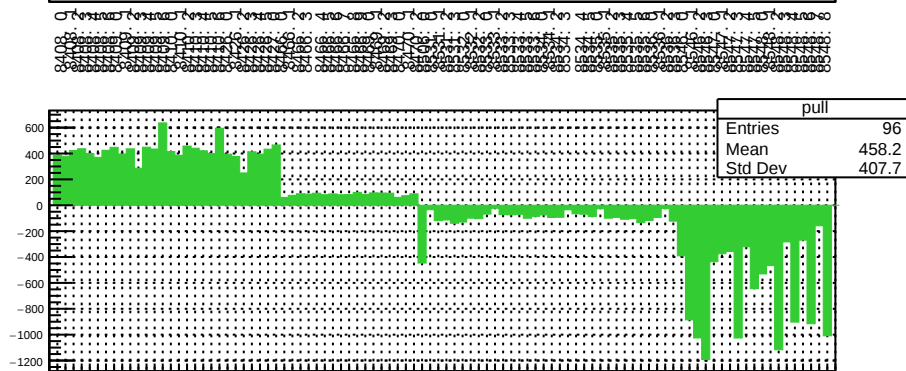
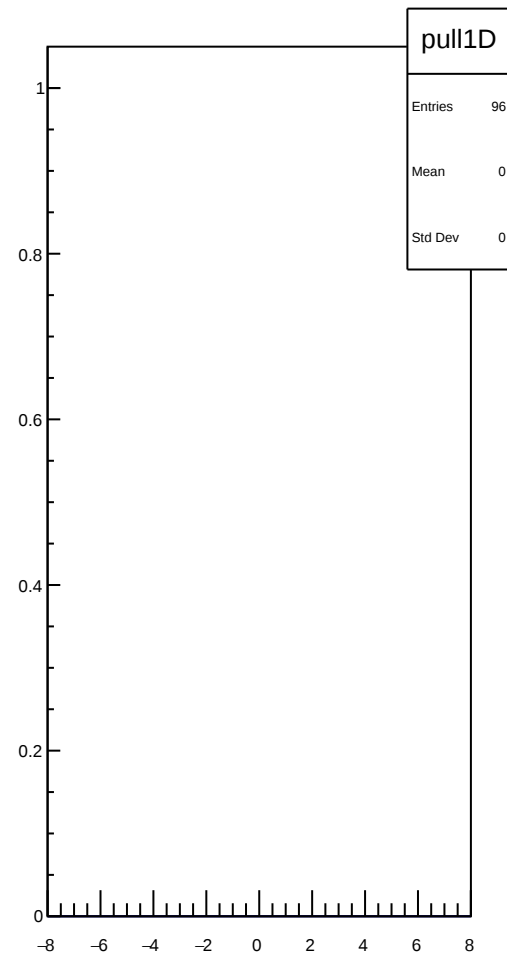
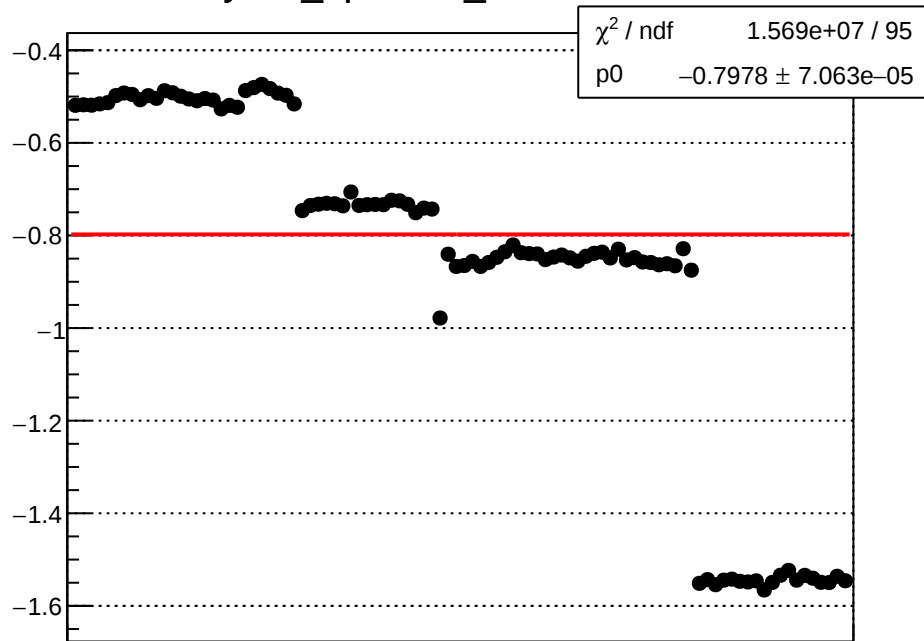
yield_bpm11Y_mean vs run



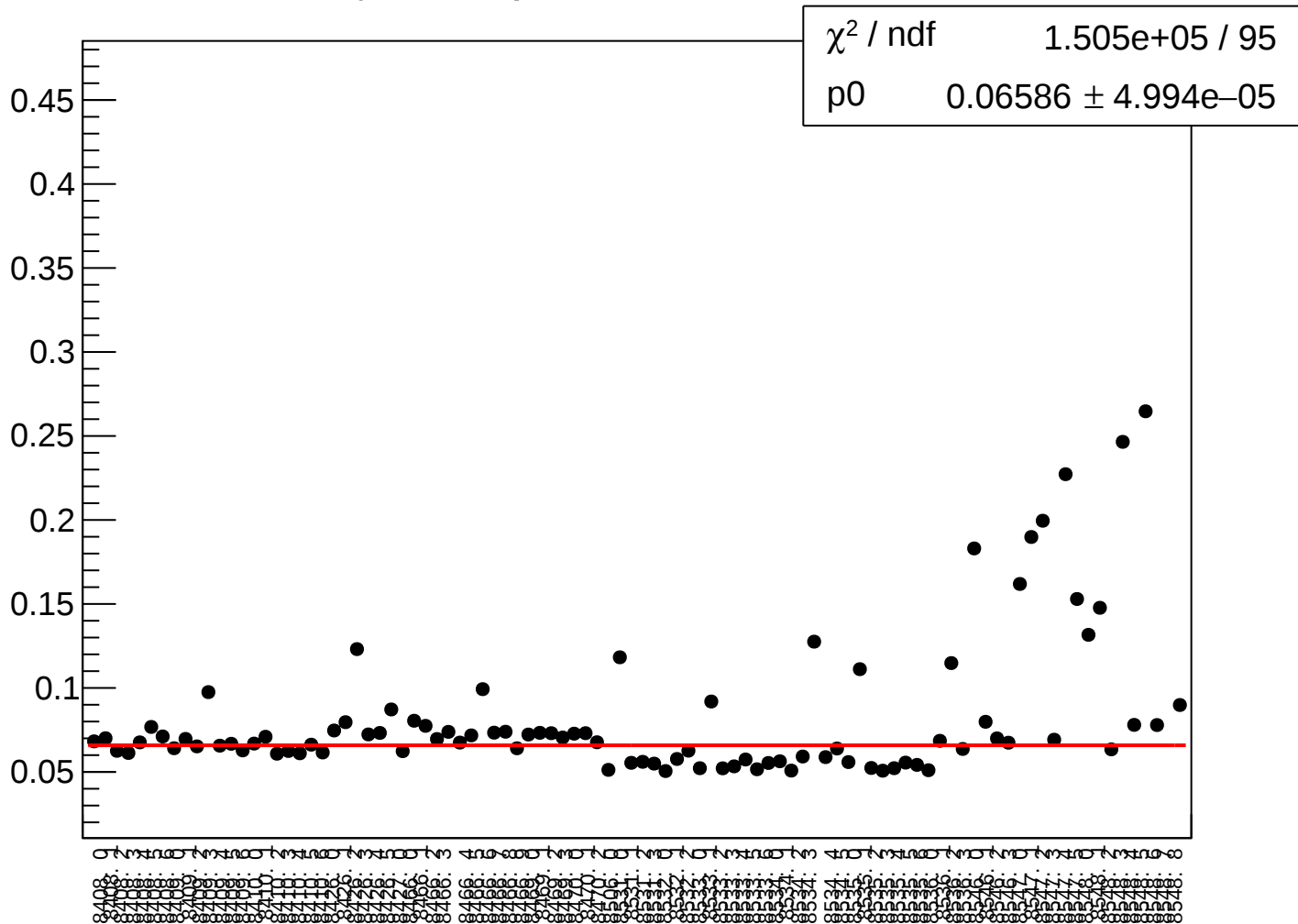
yield_bpm11Y_rms vs run



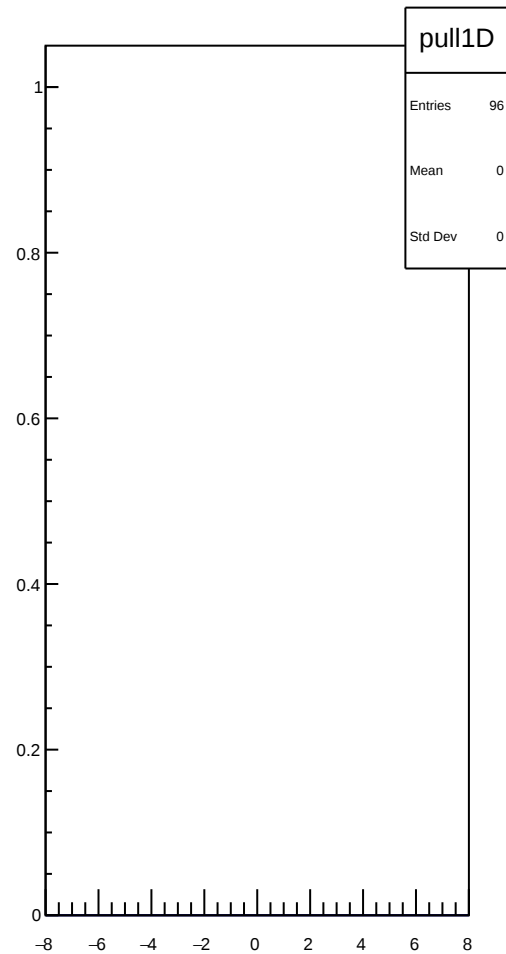
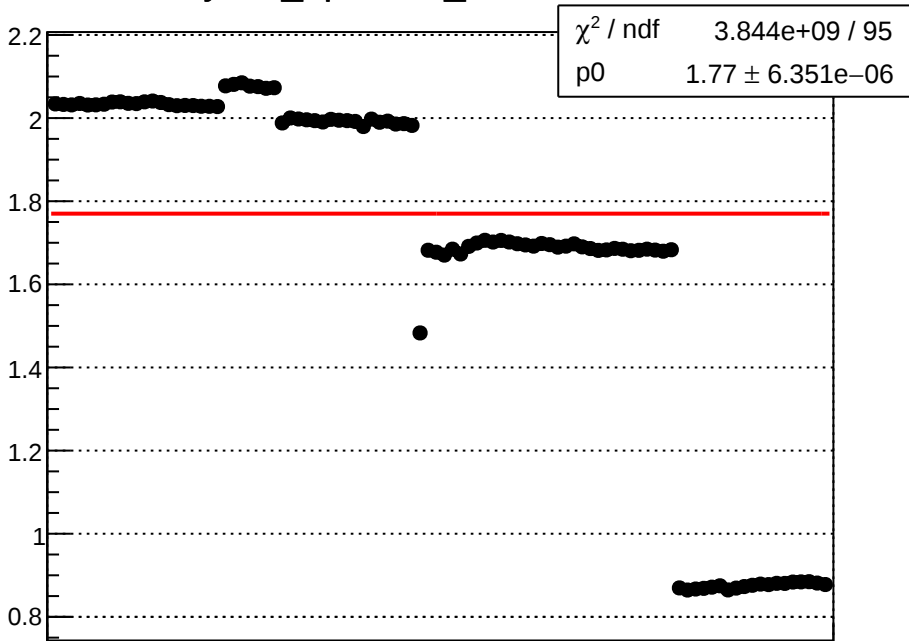
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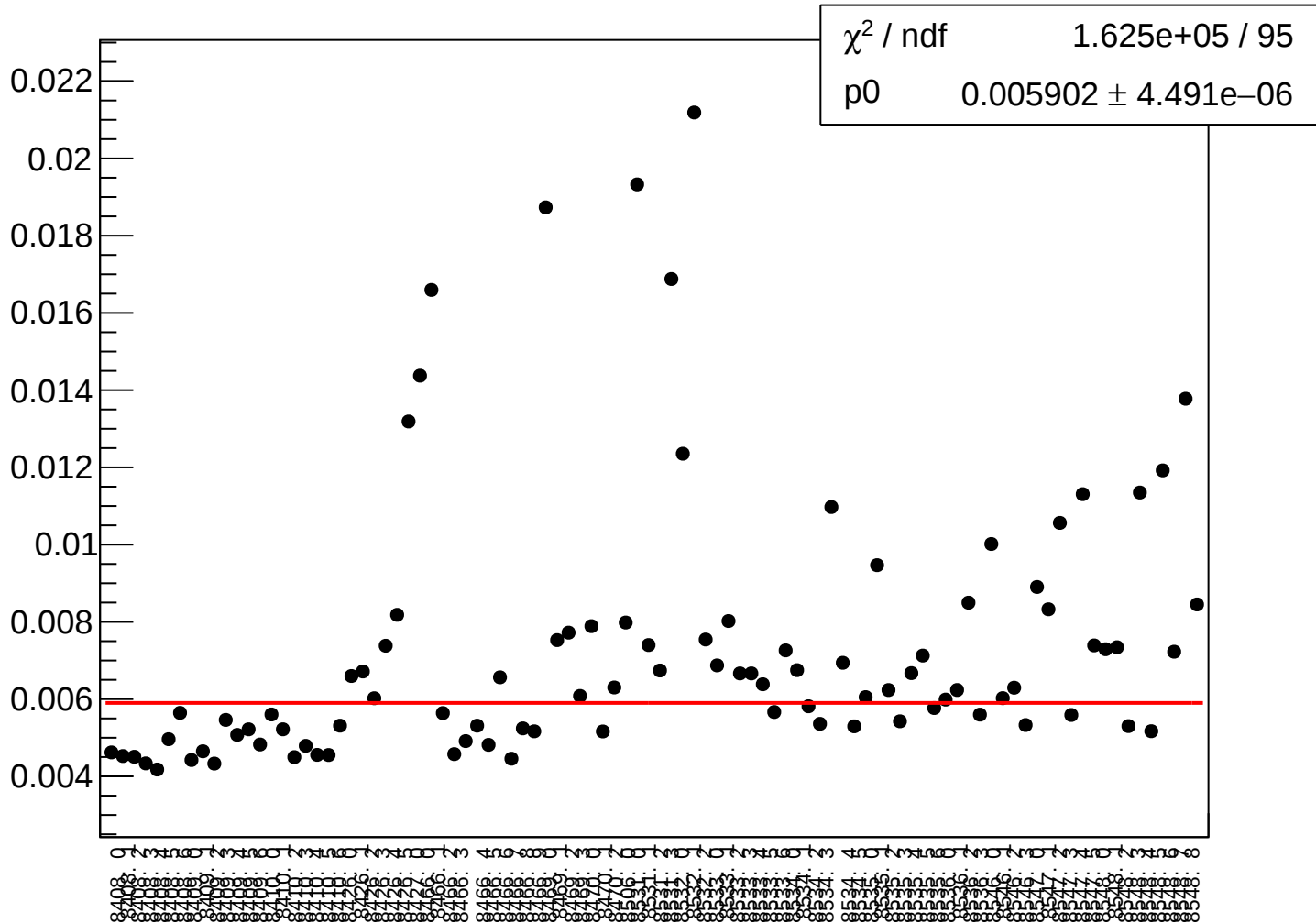
yield_bpm12X_rms vs run



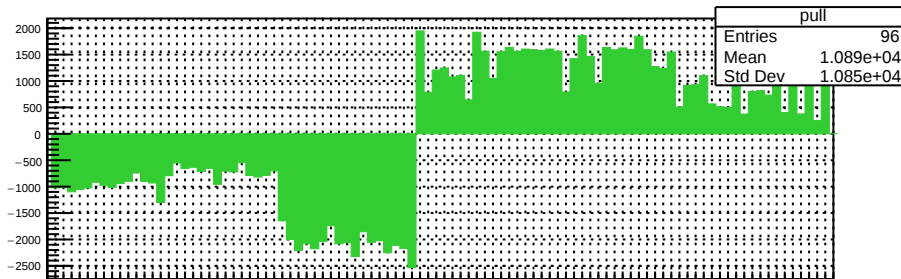
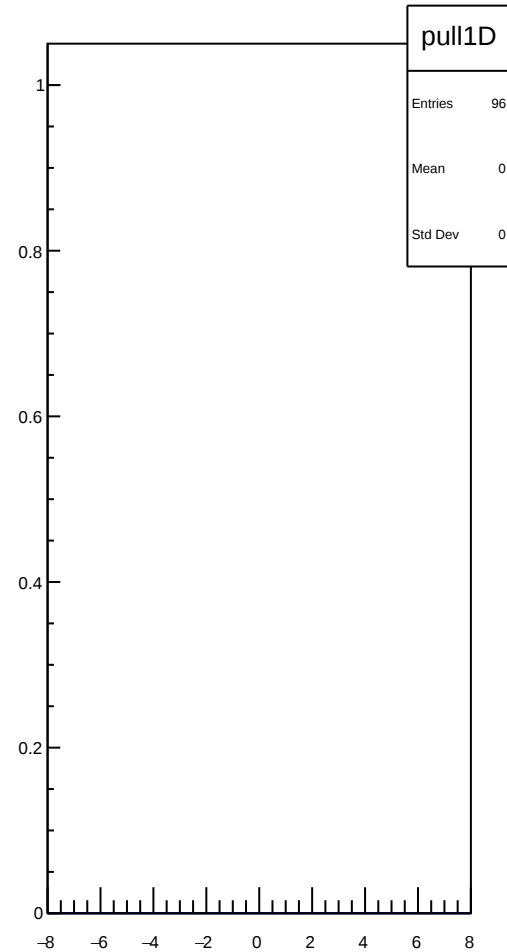
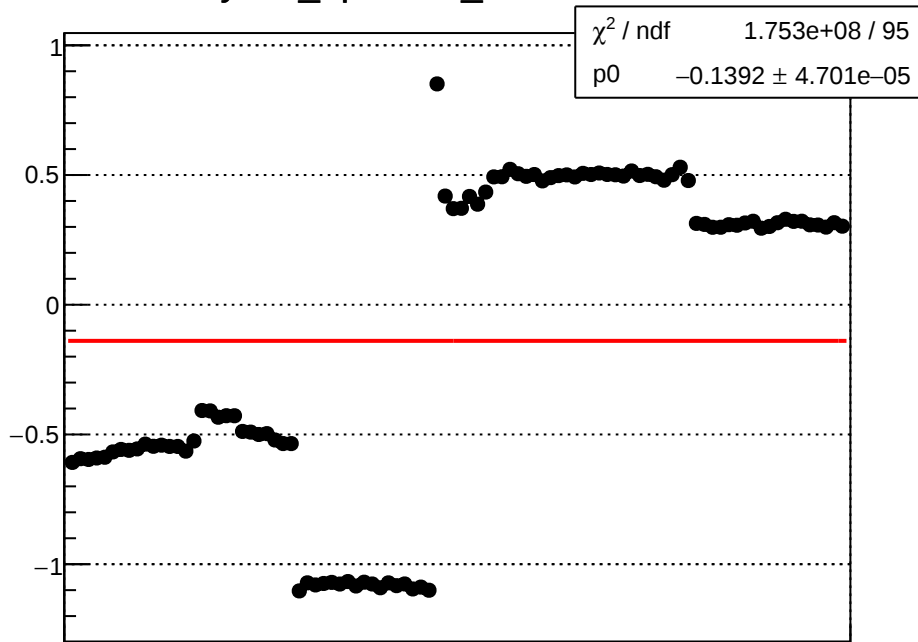
yield_bpm12Y_mean vs run



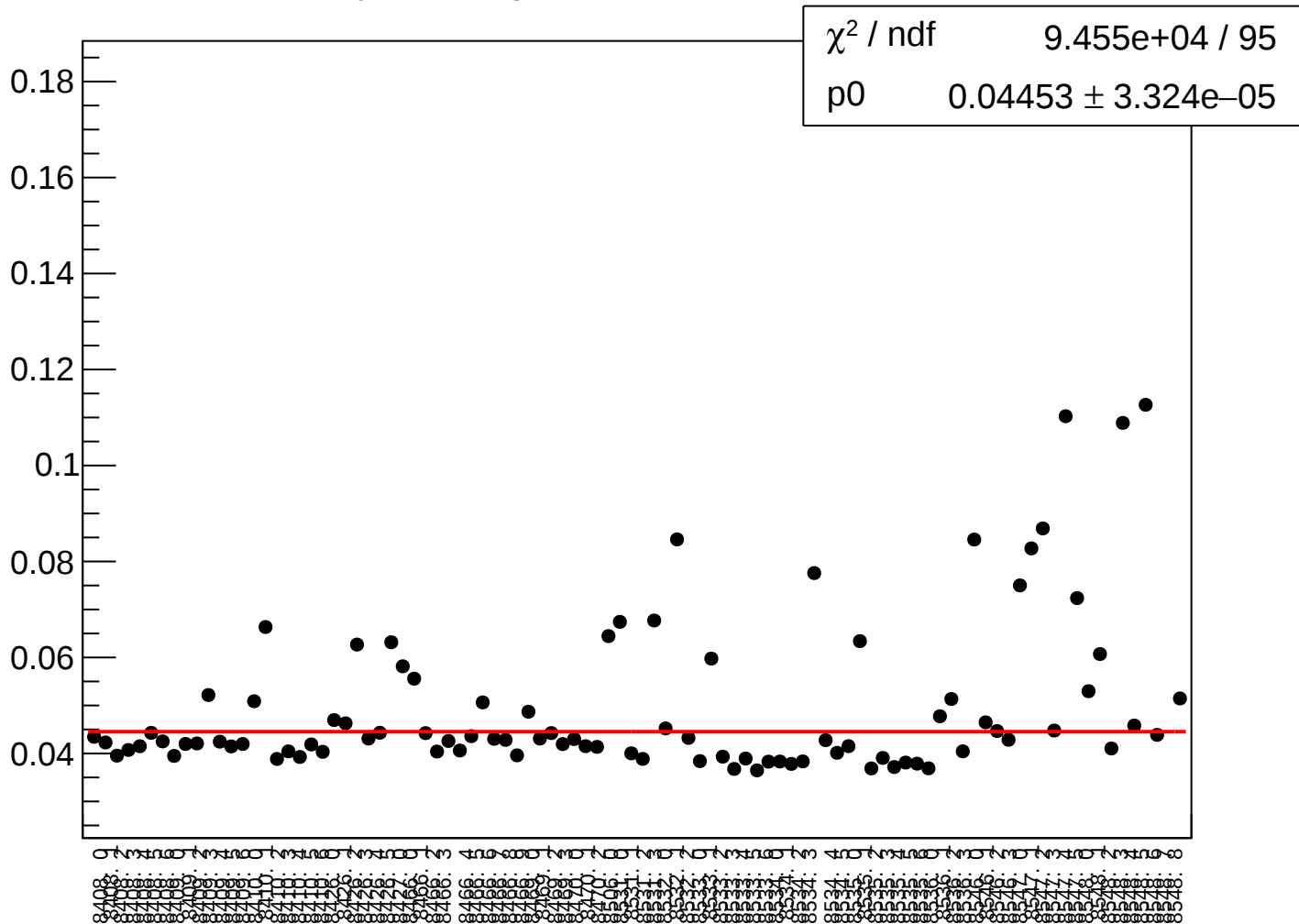
yield_bpm12Y_rms vs run



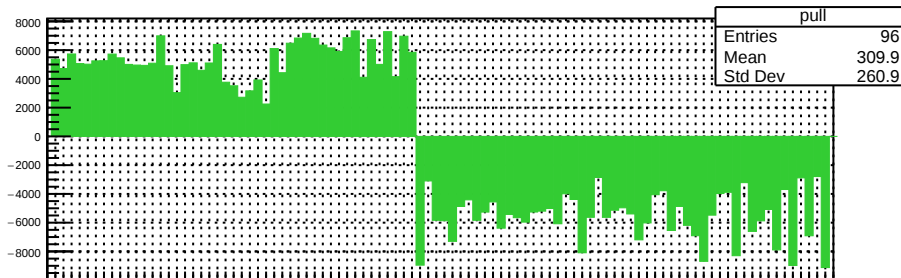
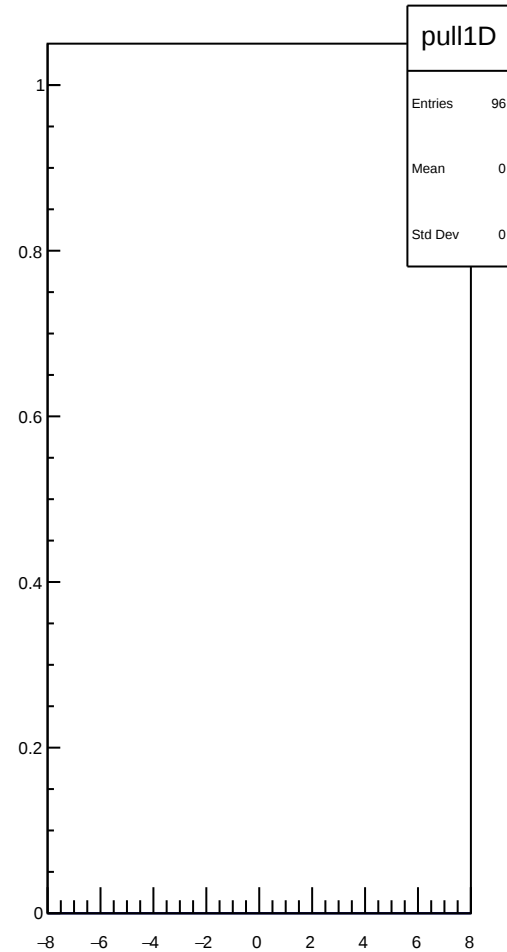
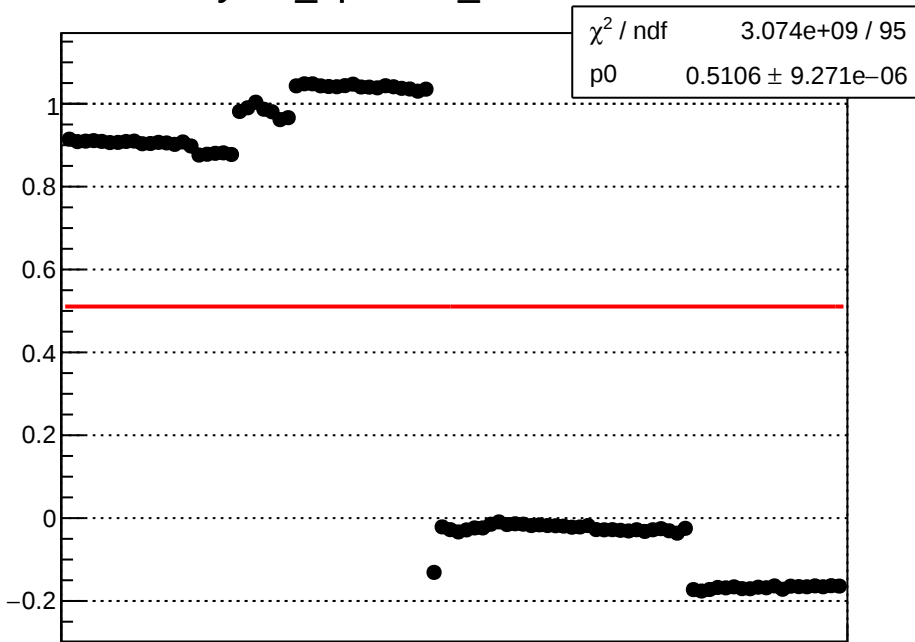
yield_bpm16X_mean vs run



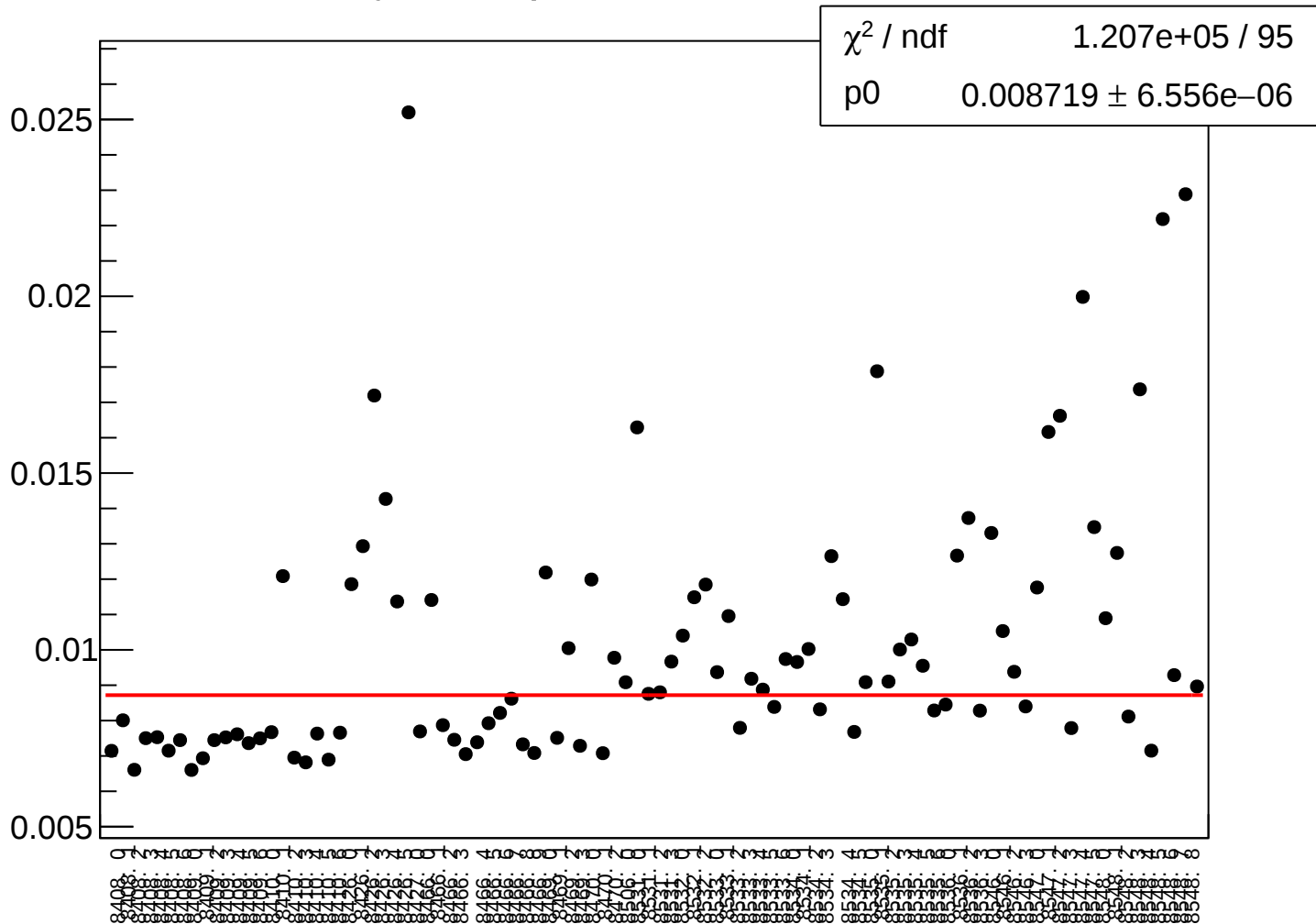
yield_bpm16X_rms vs run



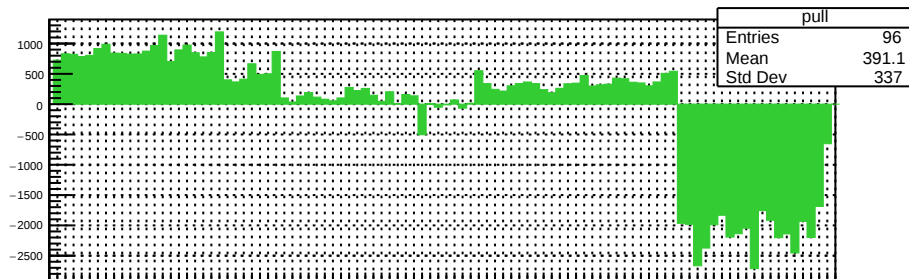
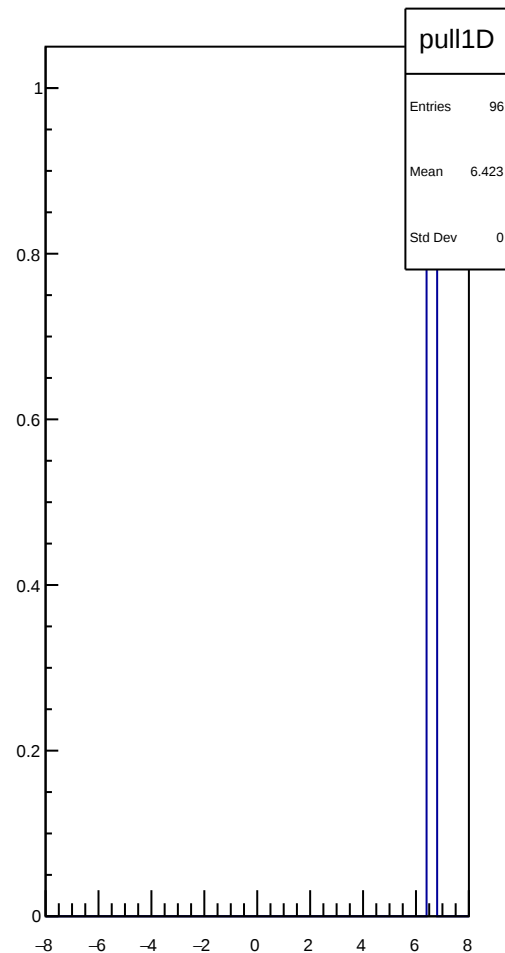
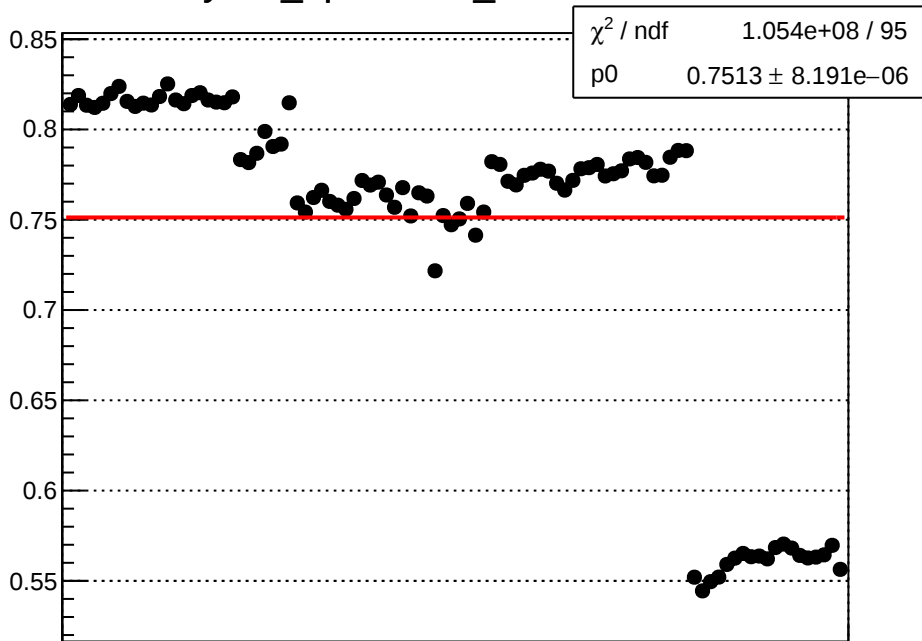
yield_bpm16Y_mean vs run



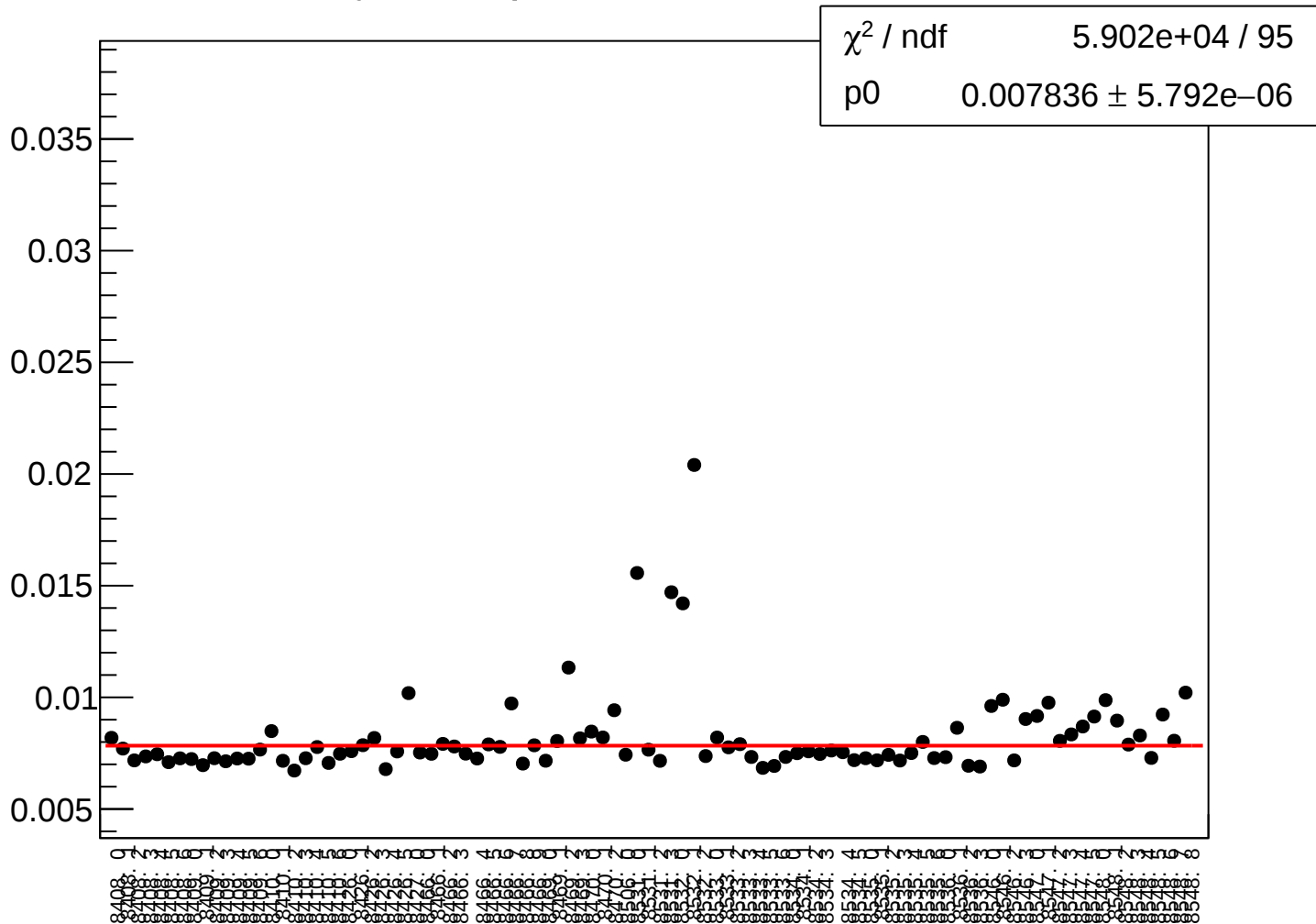
yield_bpm16Y_rms vs run



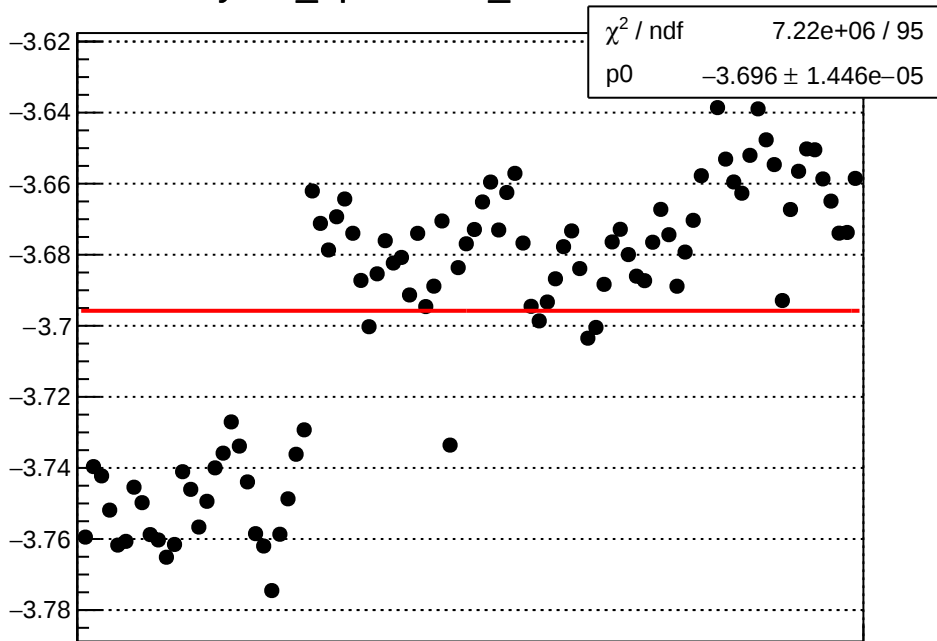
yield_bpm0i02X_mean vs run



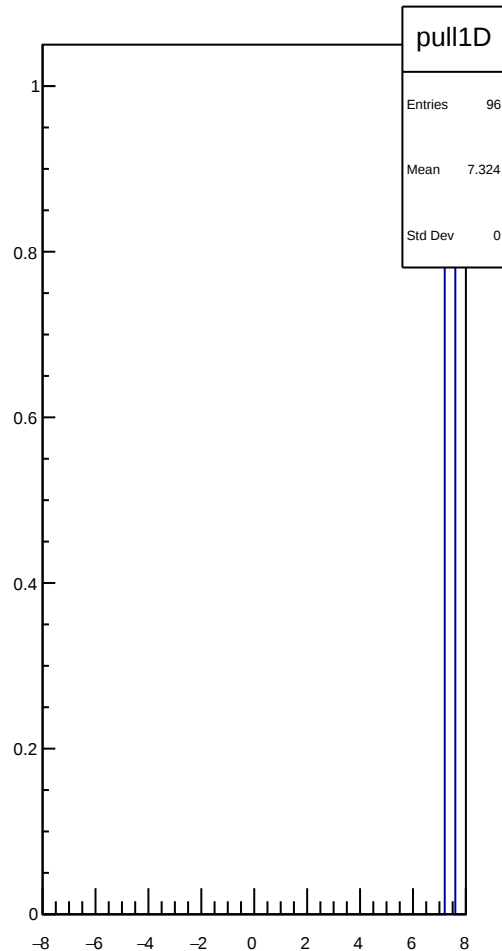
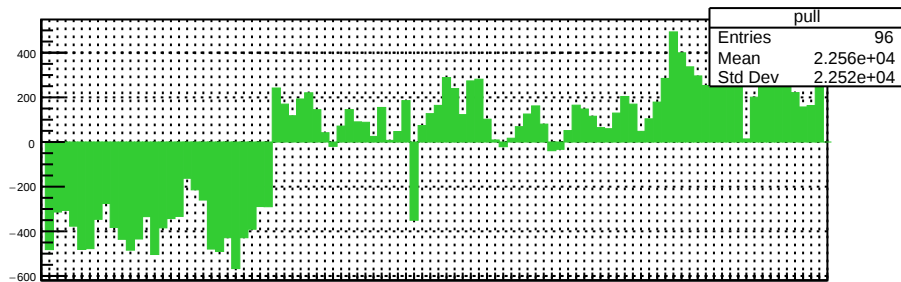
yield_bpm0i02X_rms vs run



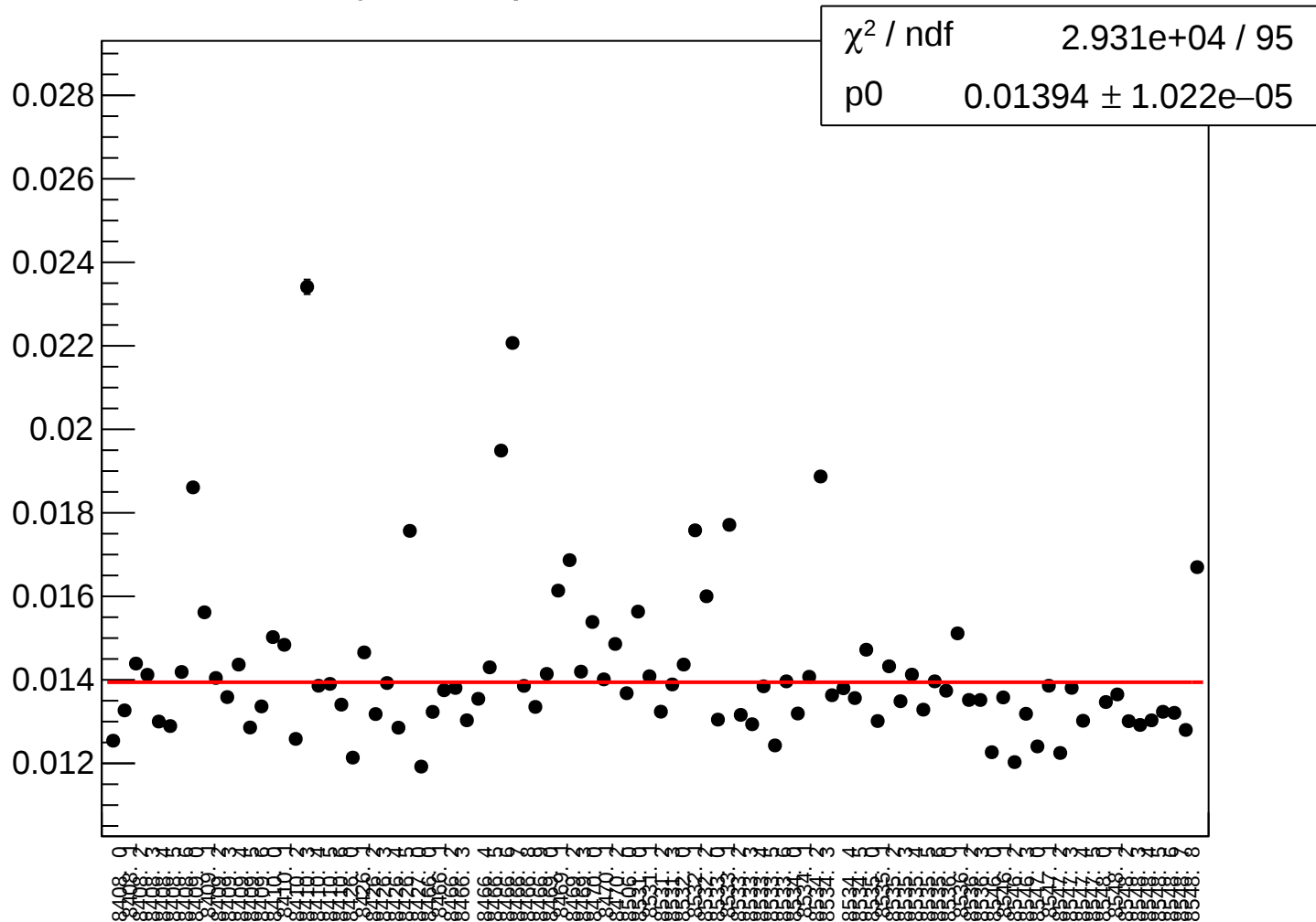
yield_bpm0i02Y_mean vs run



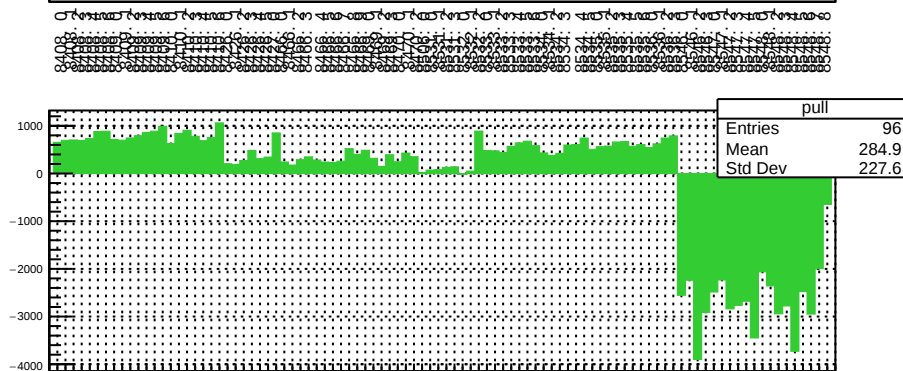
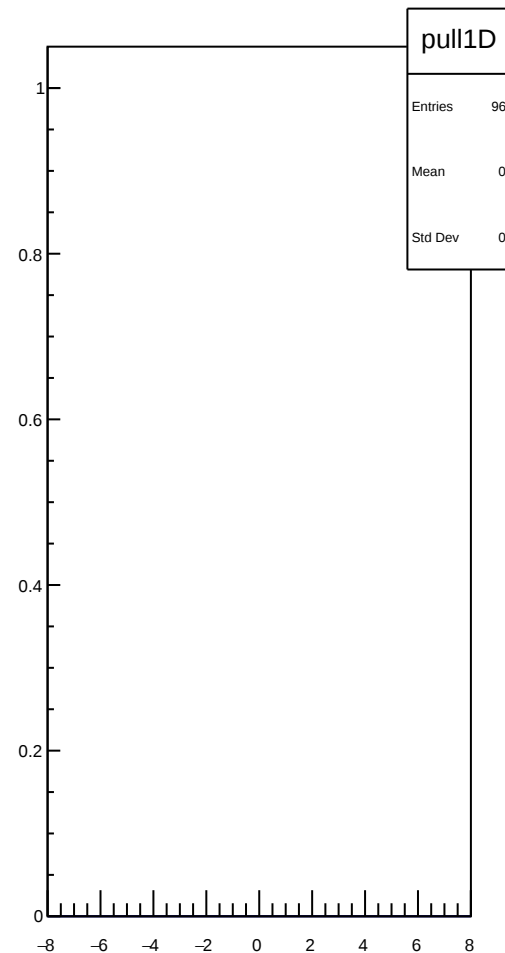
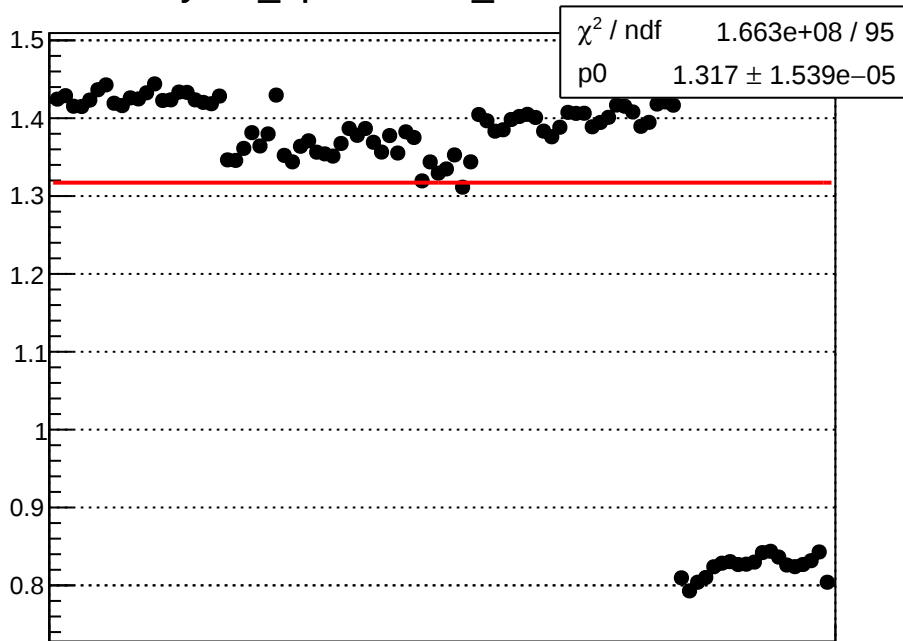
Correlation matrix of the parameters: χ^2 / ndf , $p0$, pull , pull1D . The matrix shows the correlations between these parameters, with the diagonal elements representing the individual parameter variances.



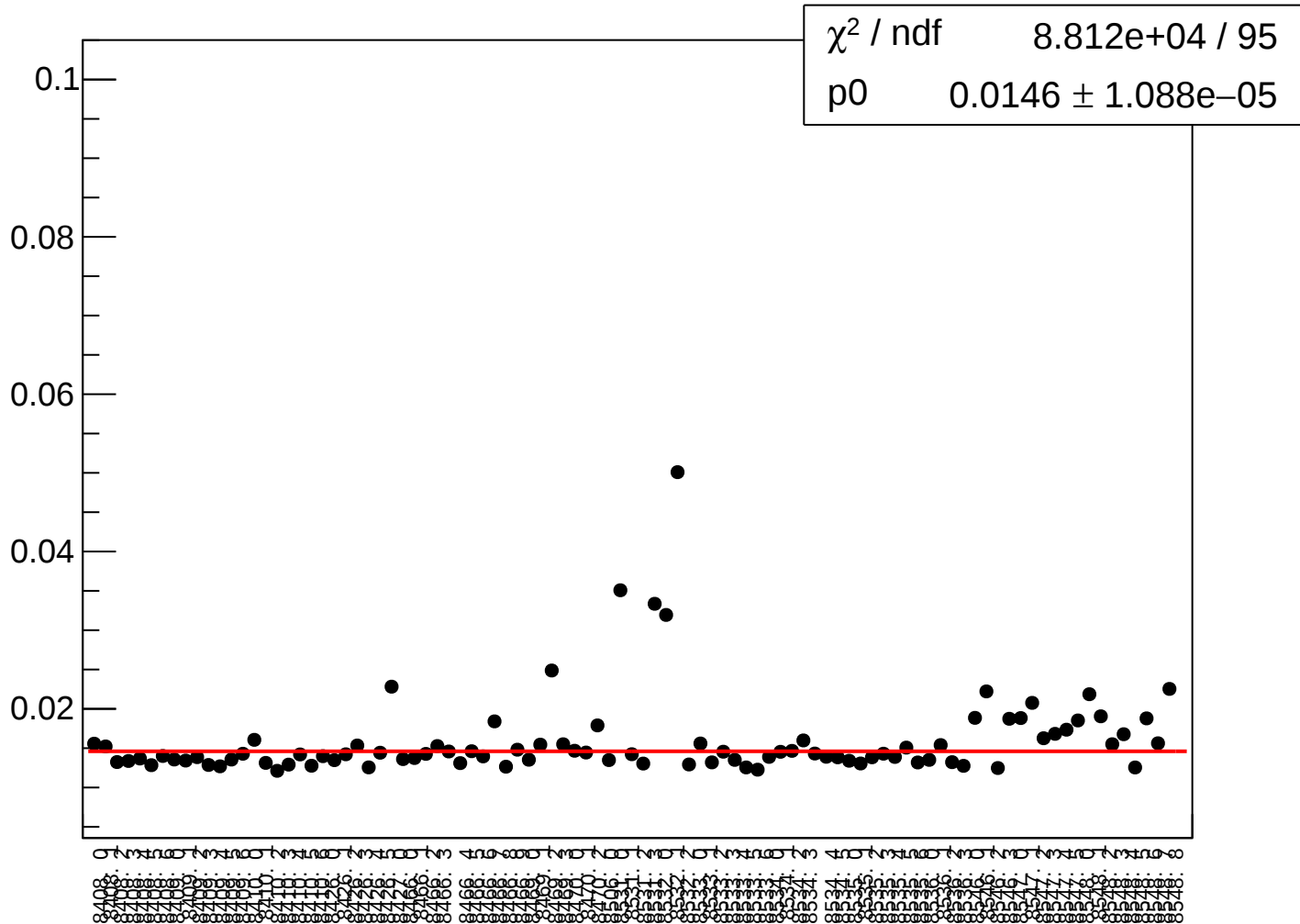
yield_bpm0i02Y_rms vs run



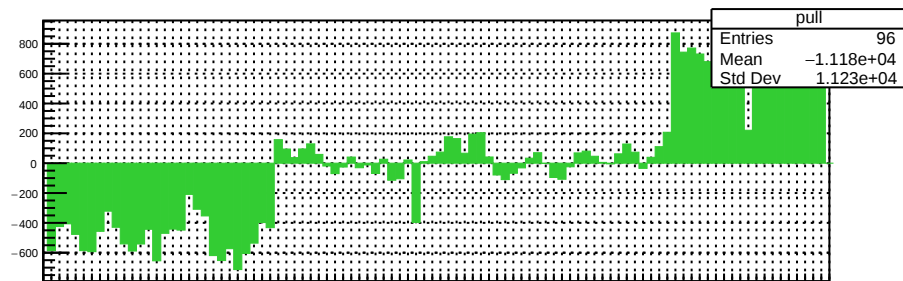
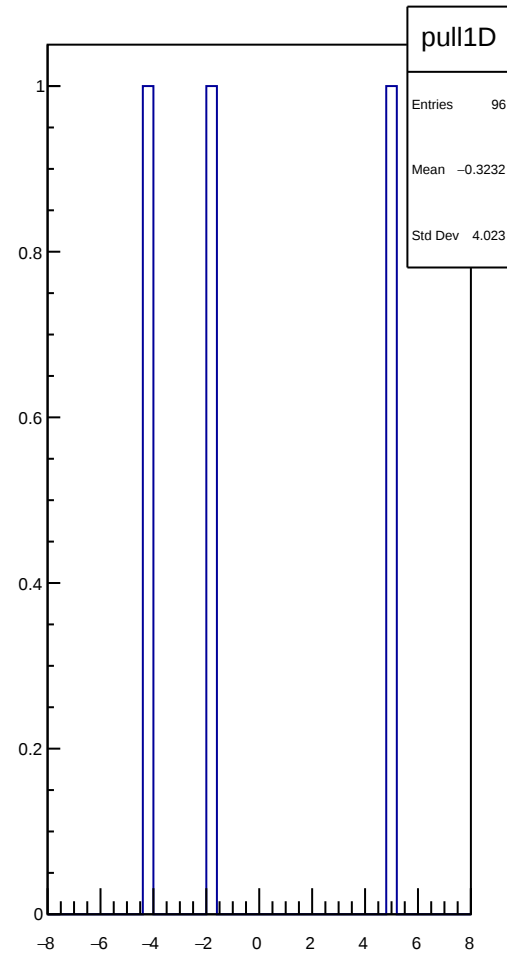
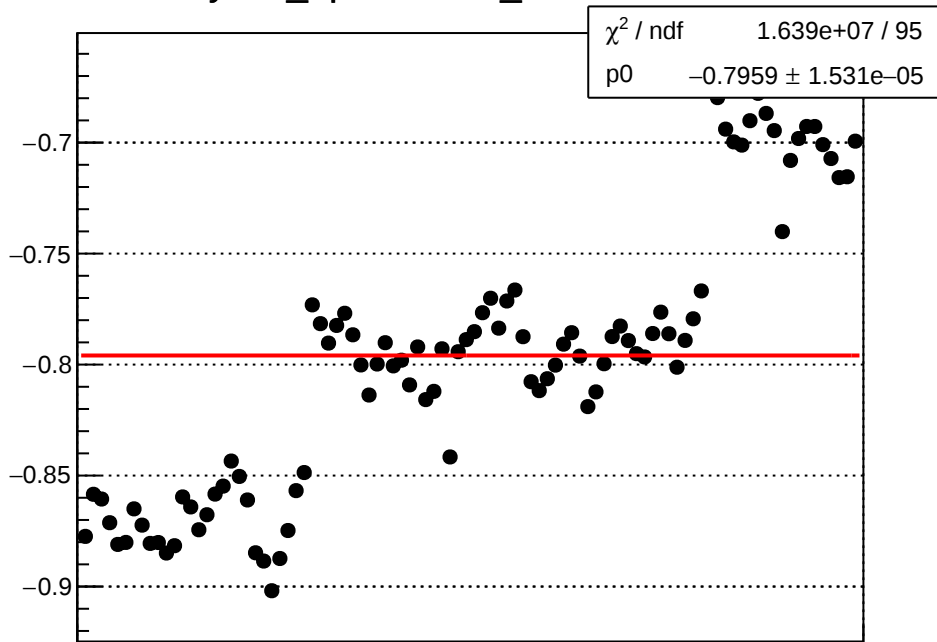
yield_bpm0i02aX_mean vs run



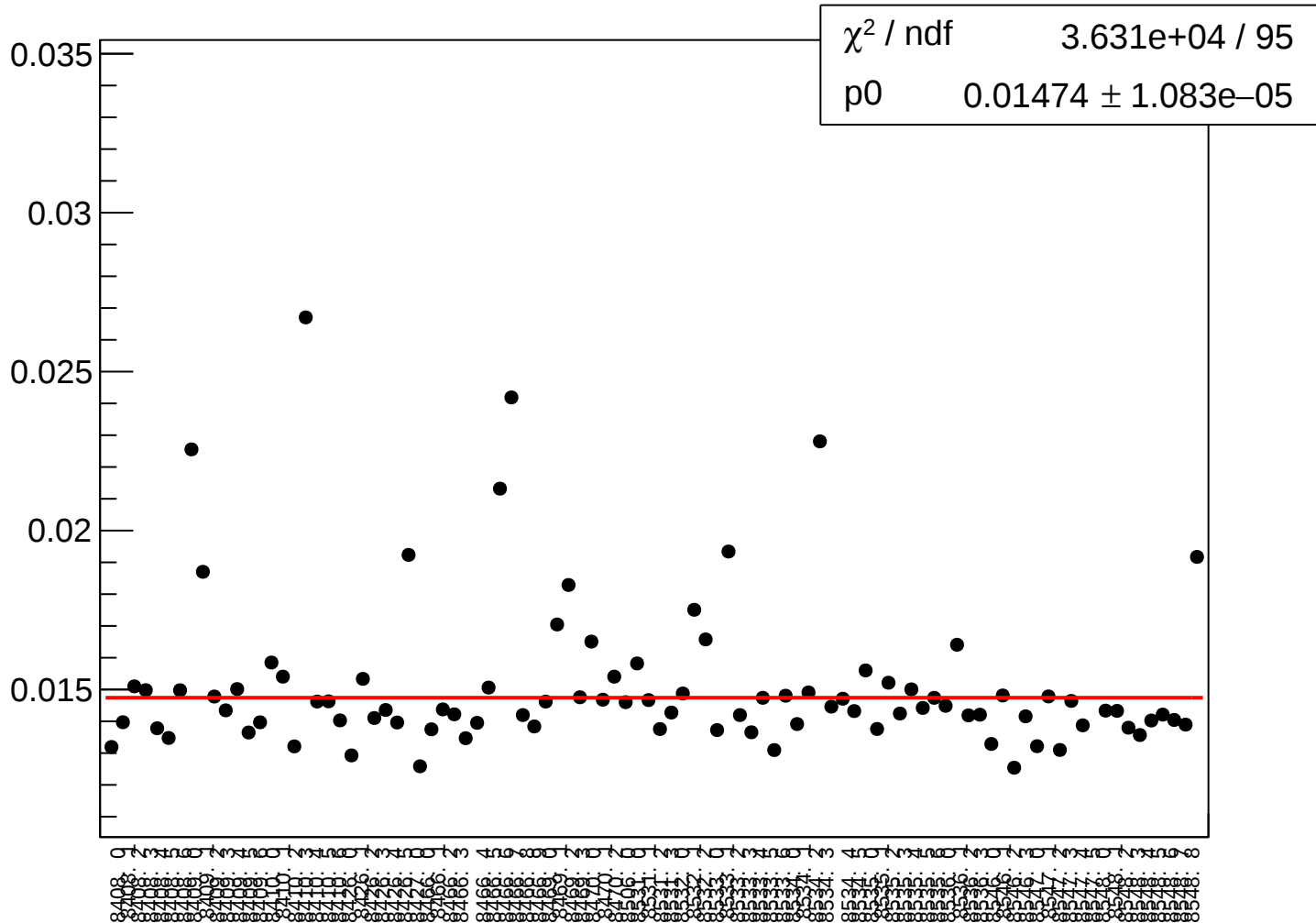
yield_bpm0i02aX_rms vs run



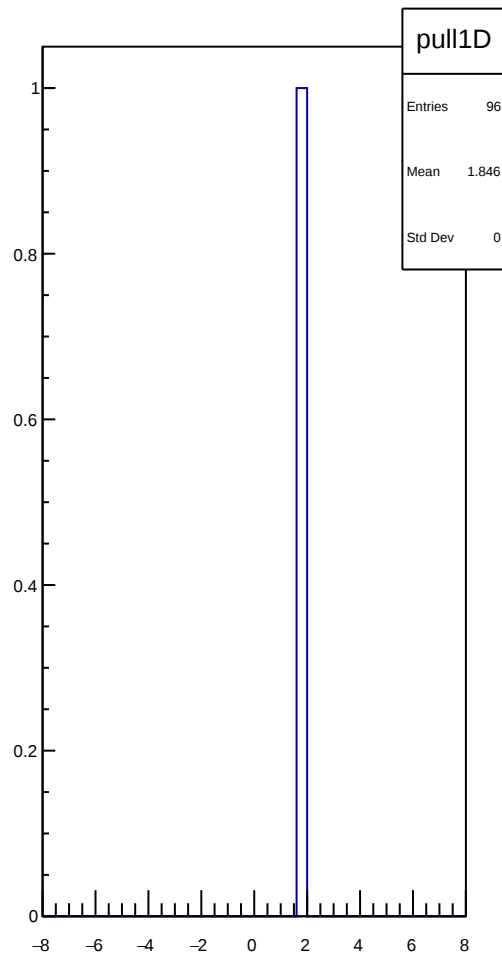
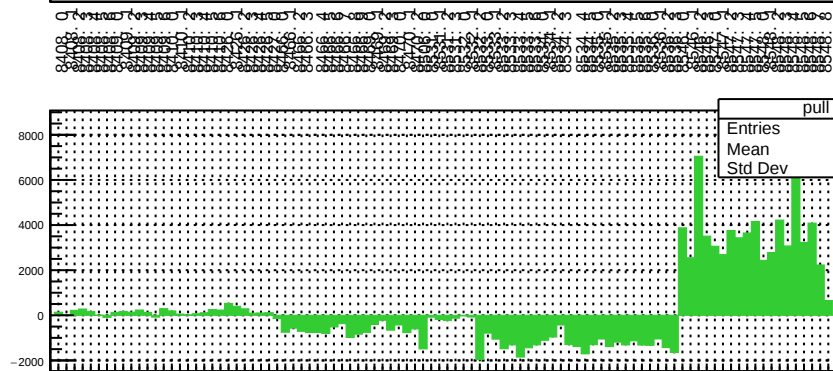
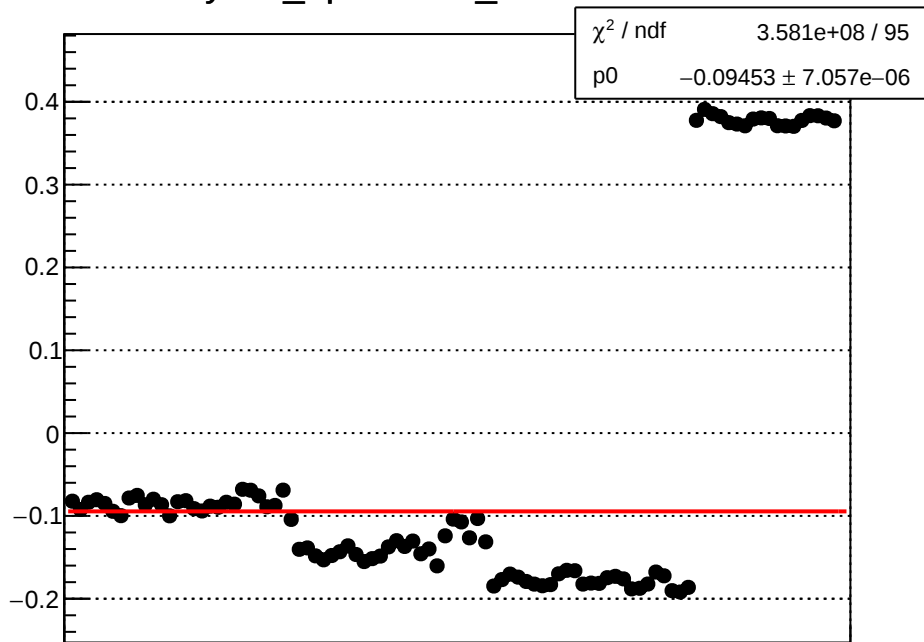
yield_bpm0i02aY_mean vs run



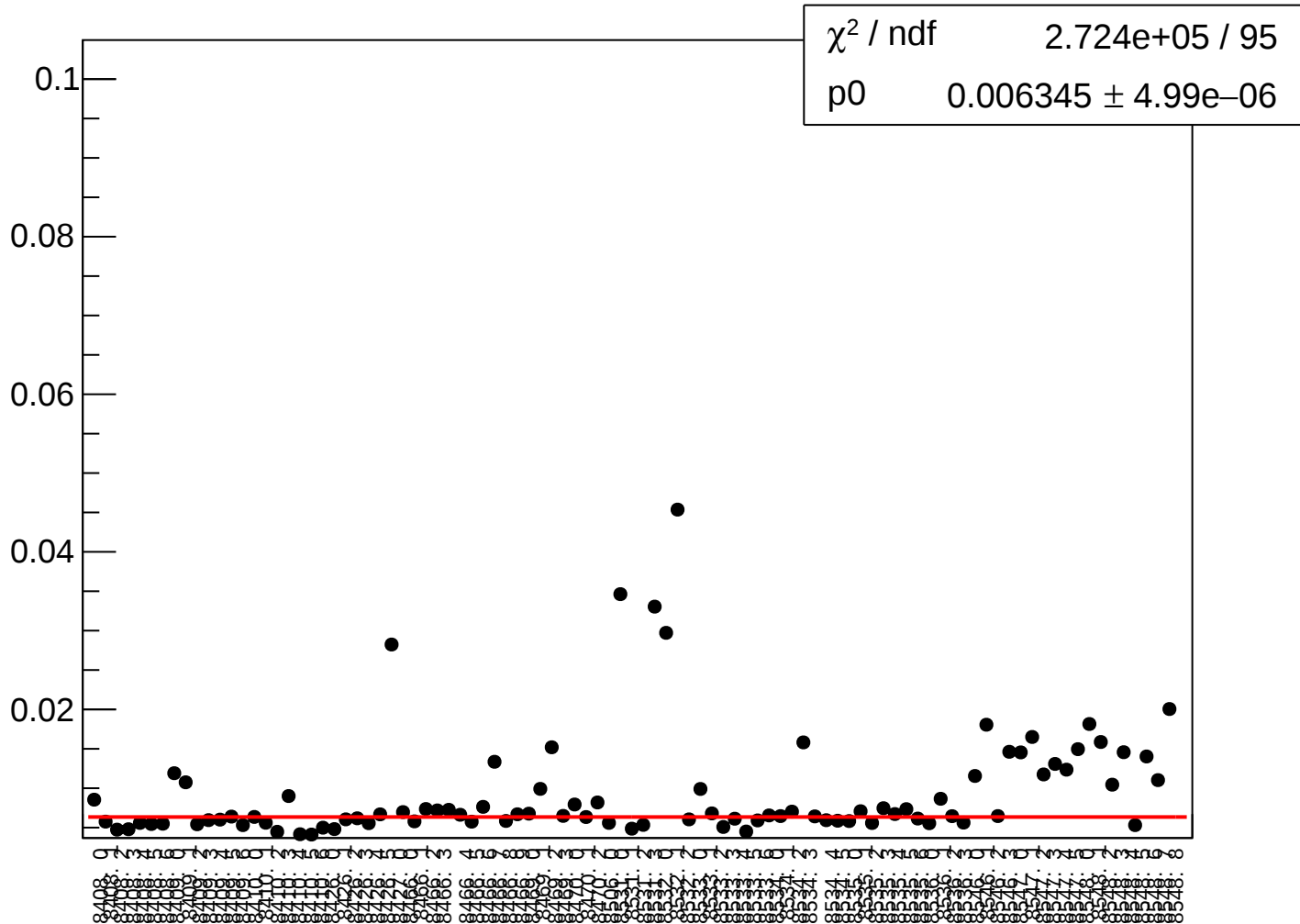
yield_bpm0i02aY_rms vs run



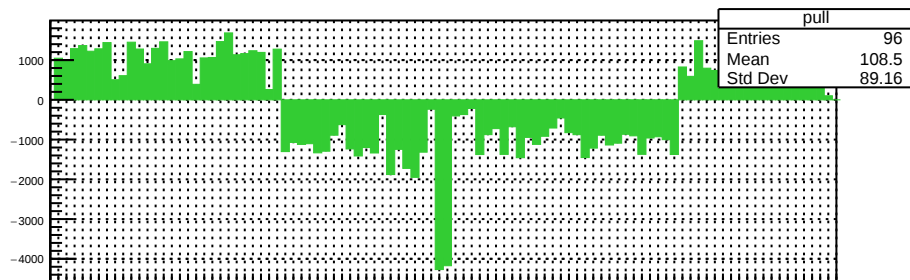
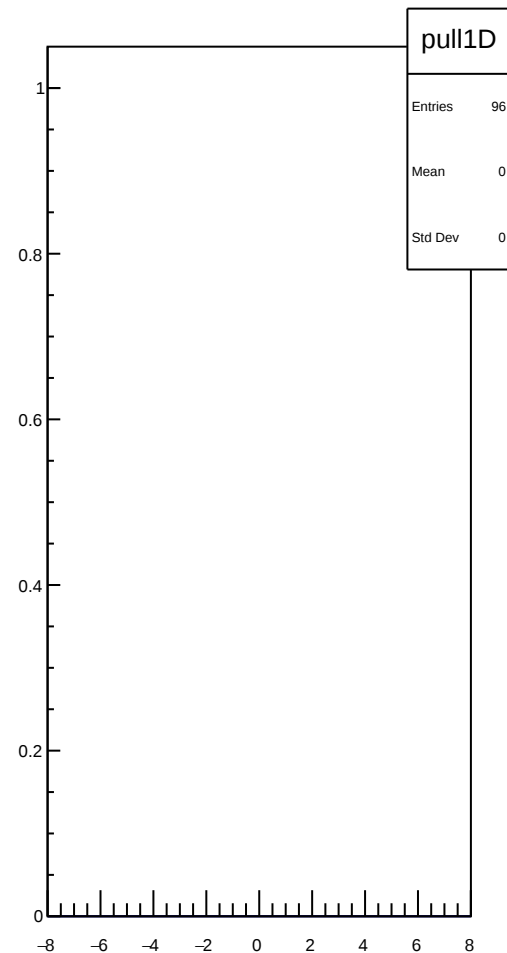
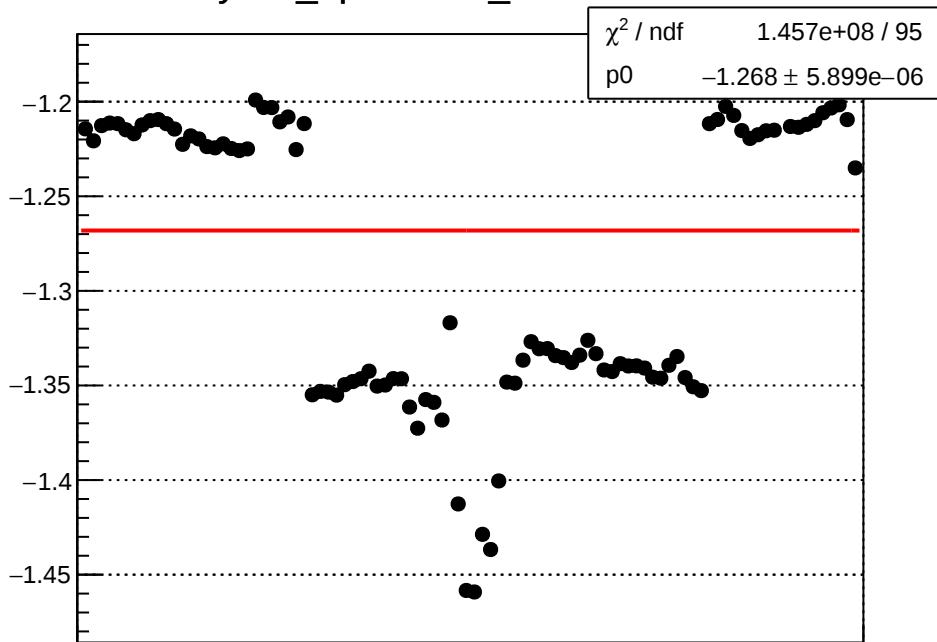
yield_bpm0i05X_mean vs run



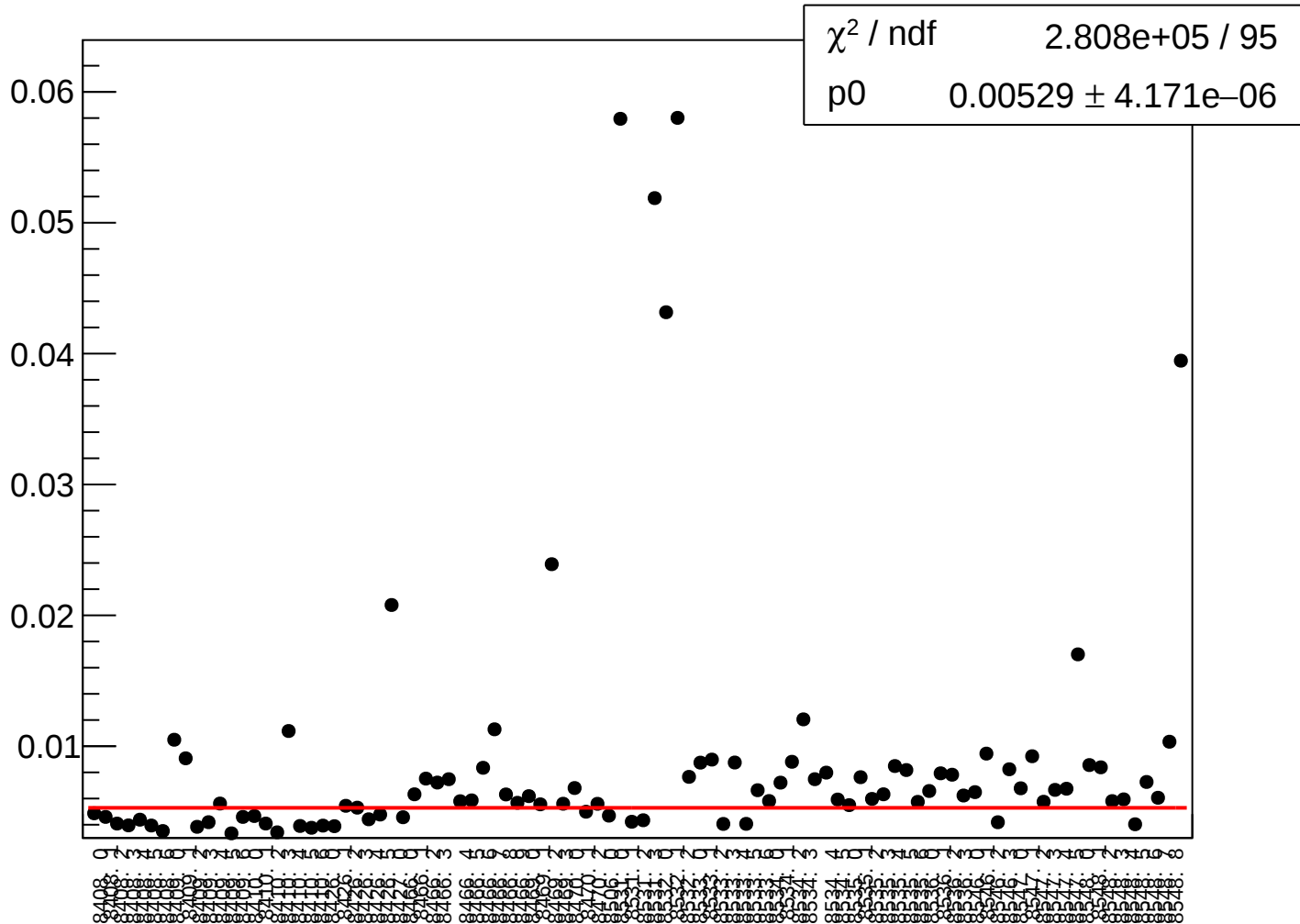
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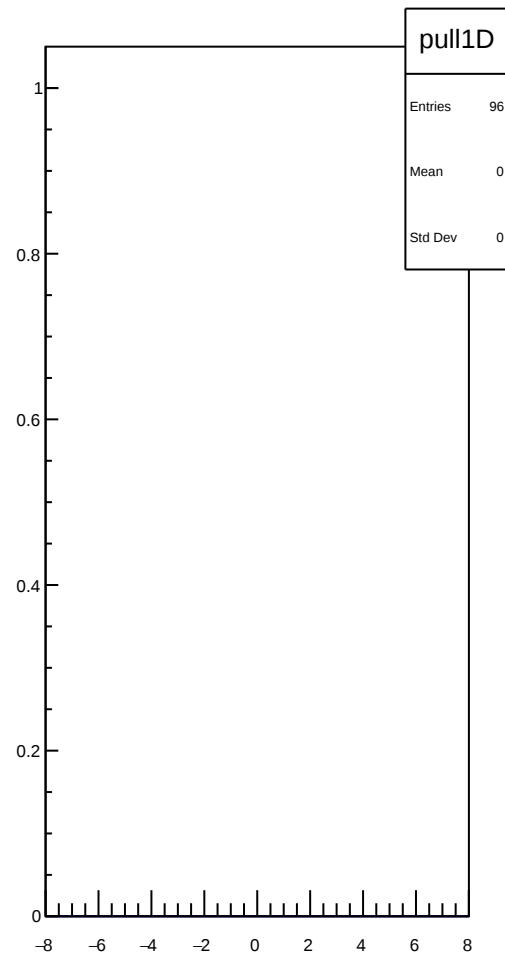
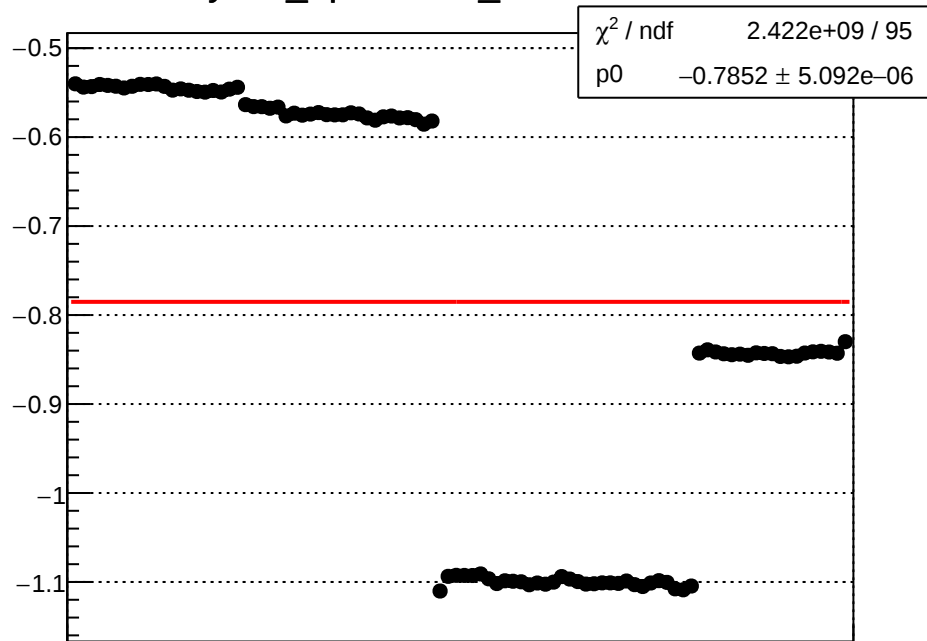
yield_bpm0i05Y_mean vs run



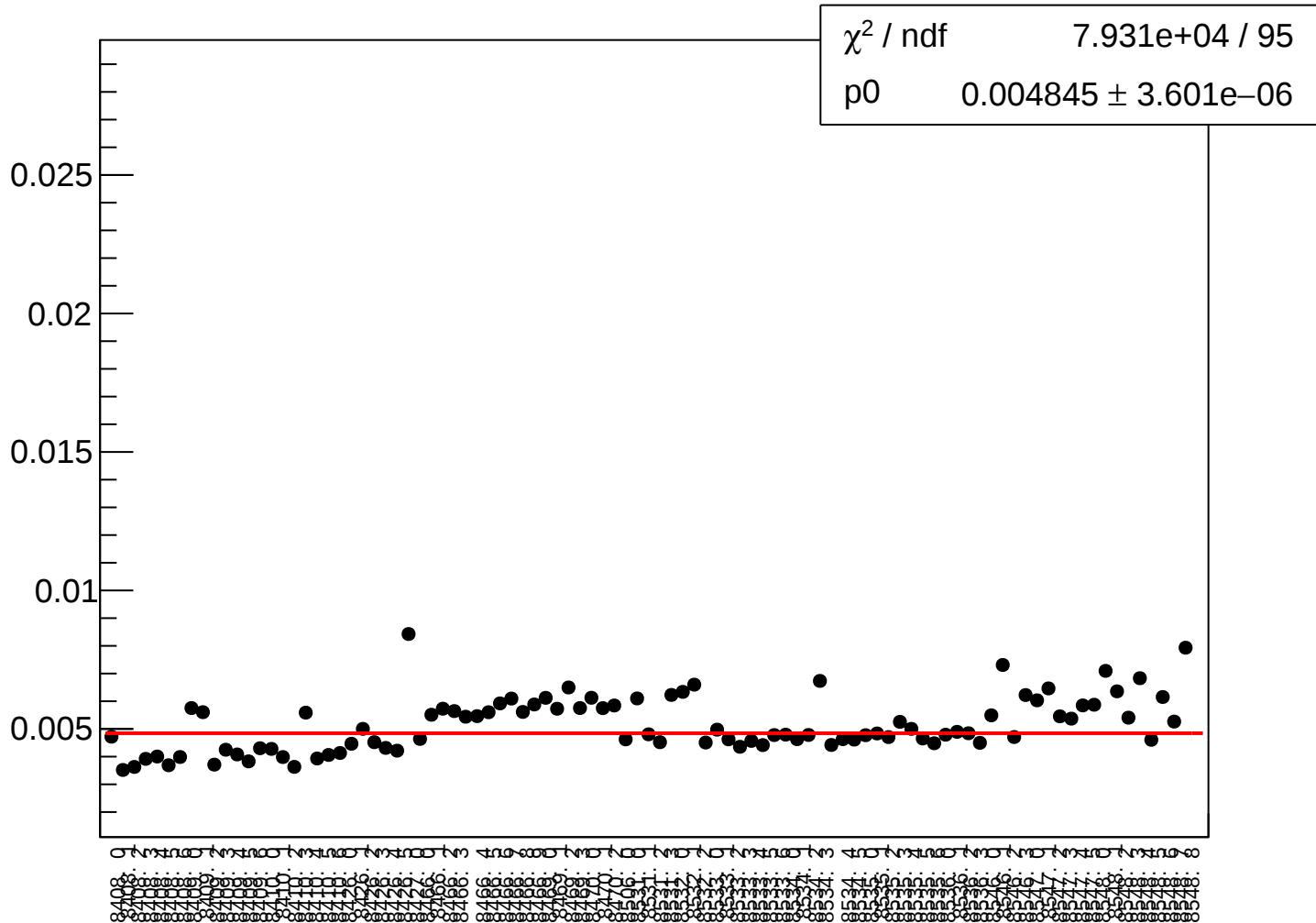
yield_bpm0i05Y_rms vs run



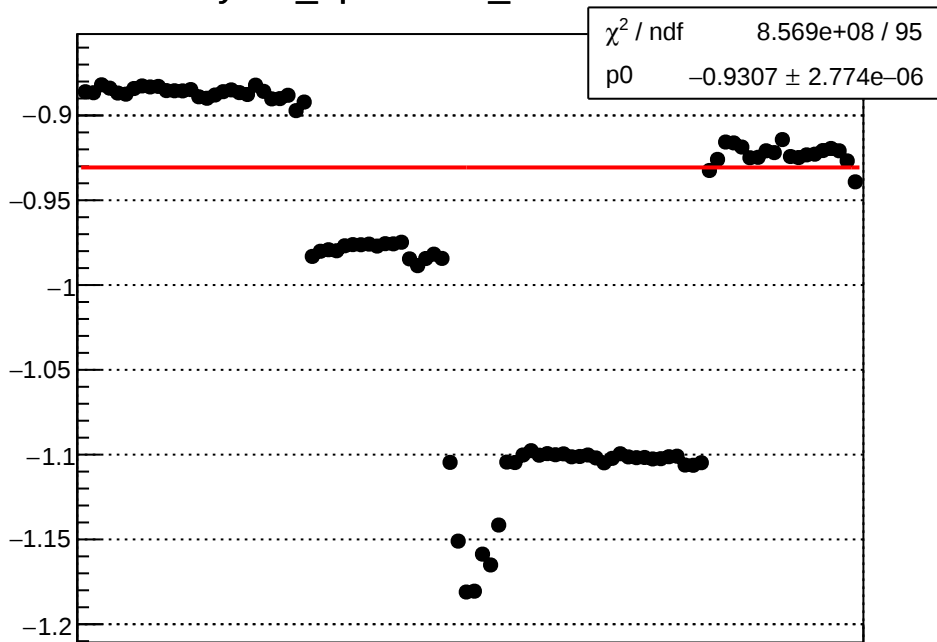
yield_bpm0i07X_mean vs run



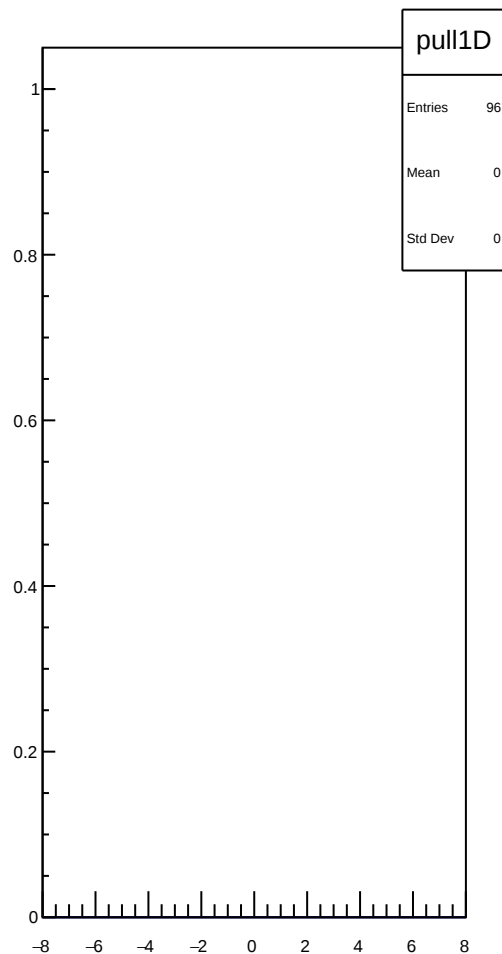
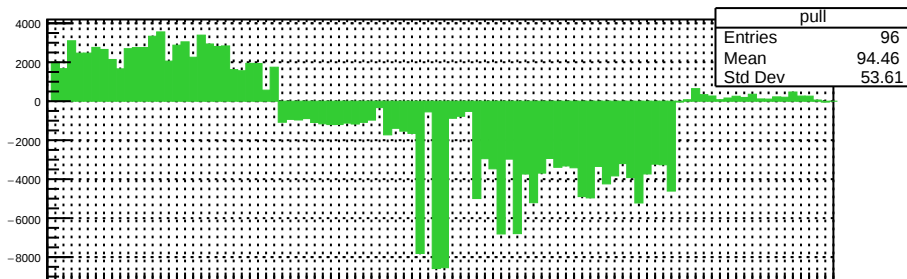
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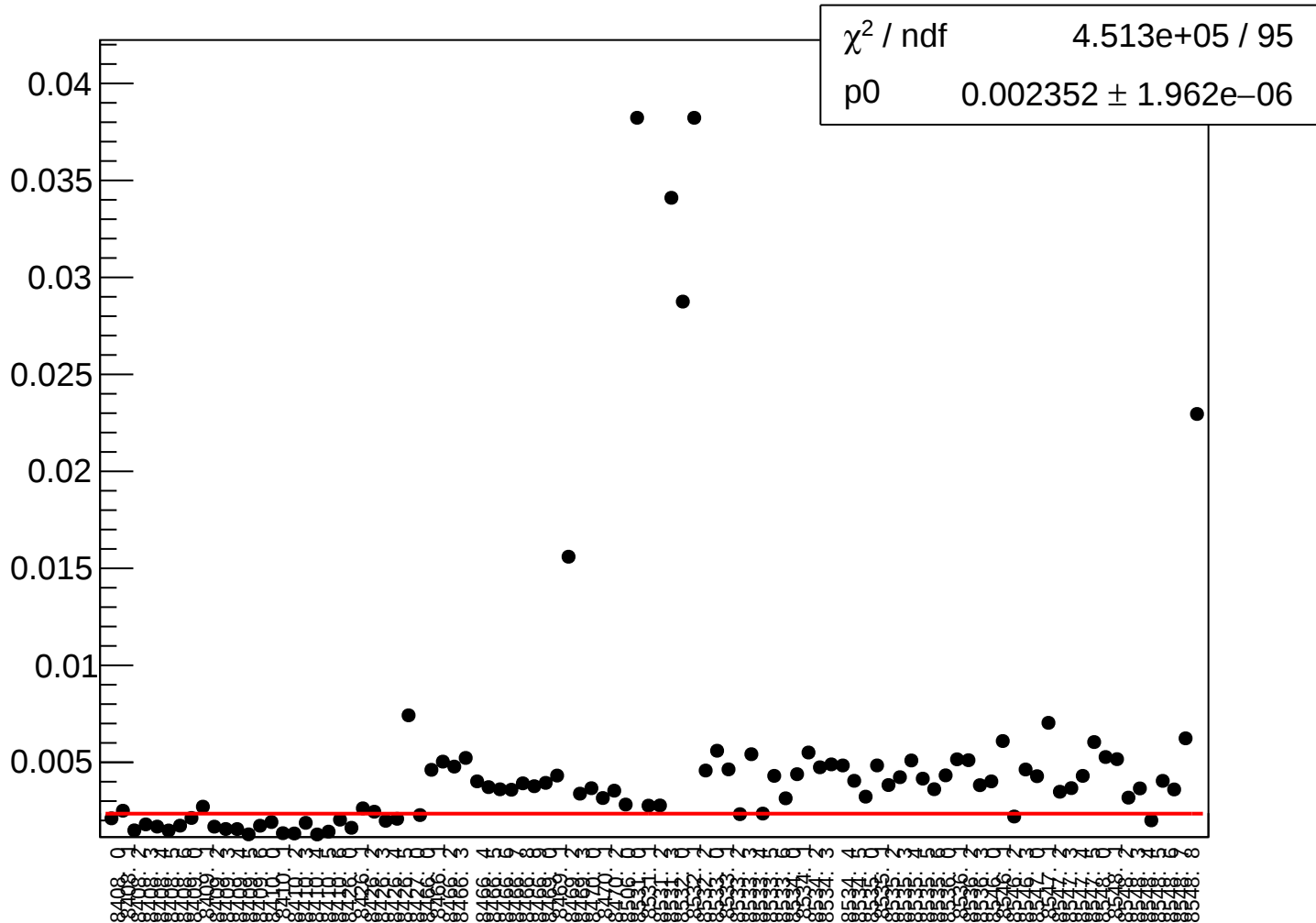
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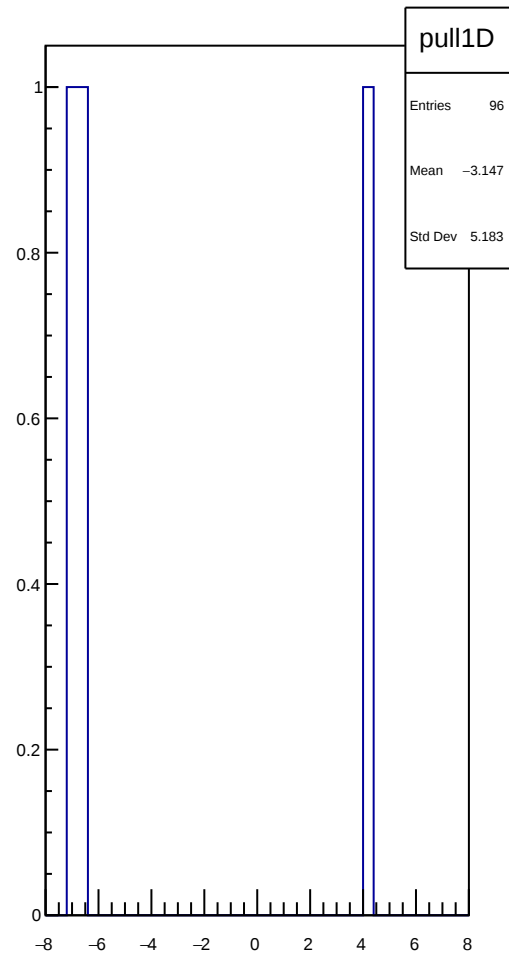
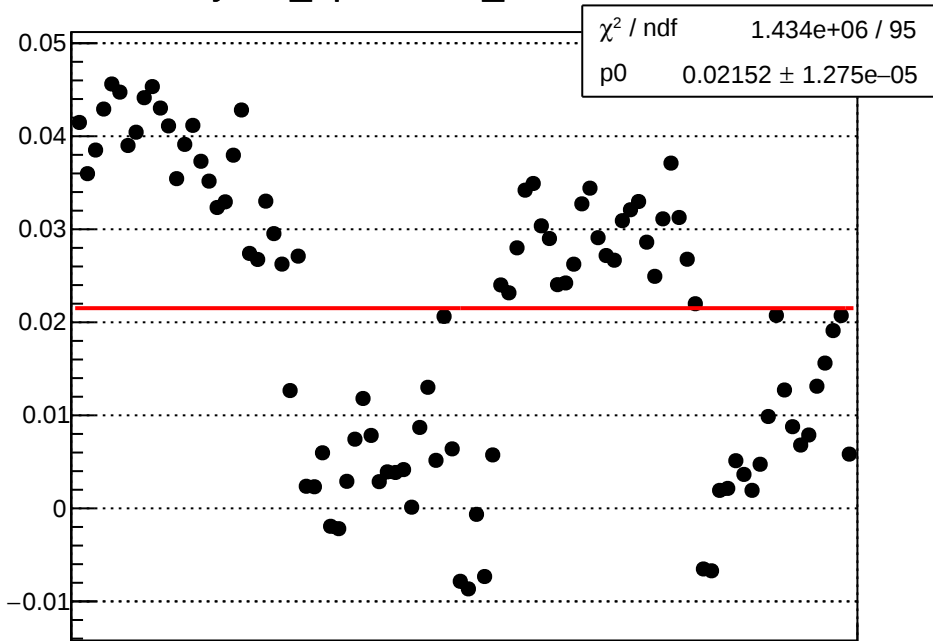
Correlation Coefficient: 0.9999999999999999
 Pearson's Chi-Square Statistic: 8.569e+08
 Degrees of Freedom: 95
 P-Value: 0.0000000000000000



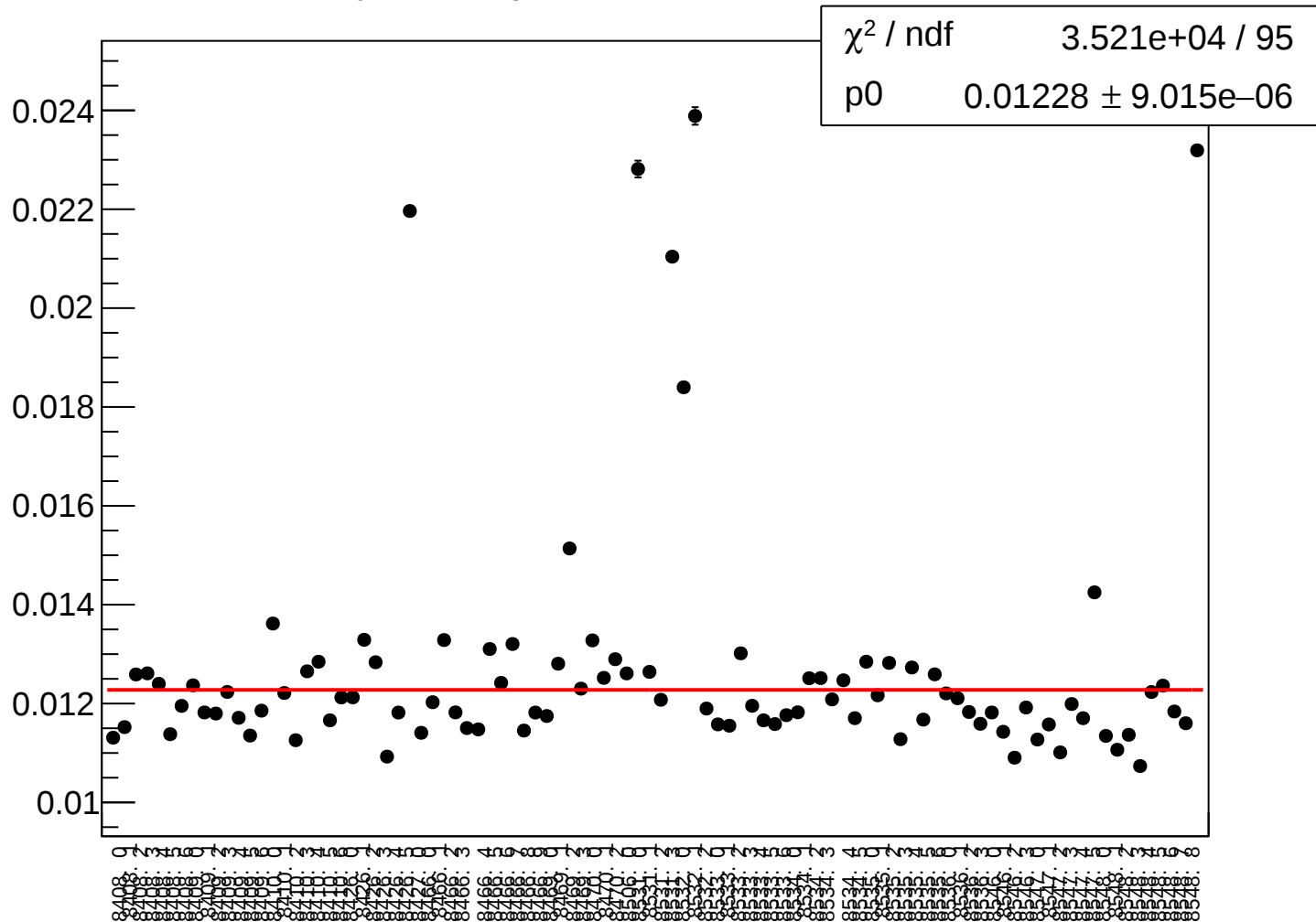
yield_bpm0i07Y_rms vs run



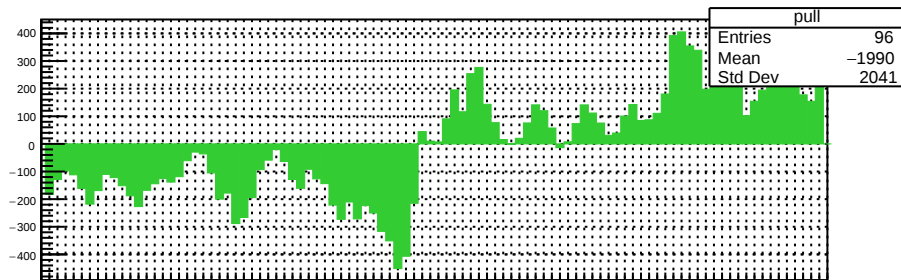
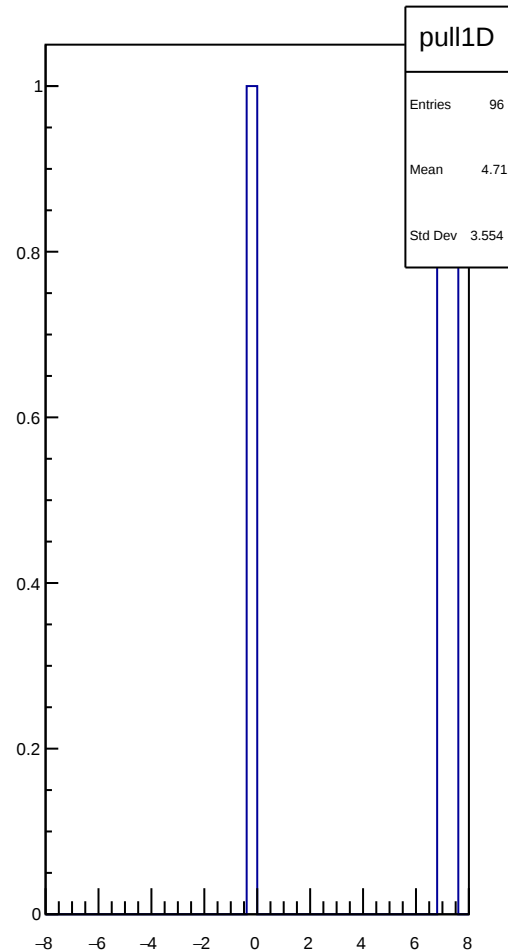
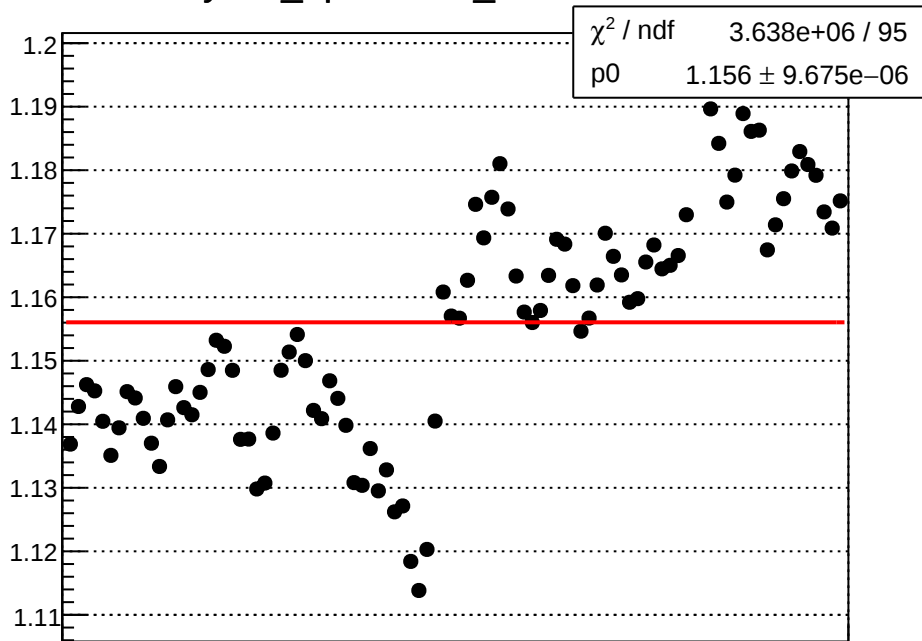
yield_bpm1i02X_mean vs run



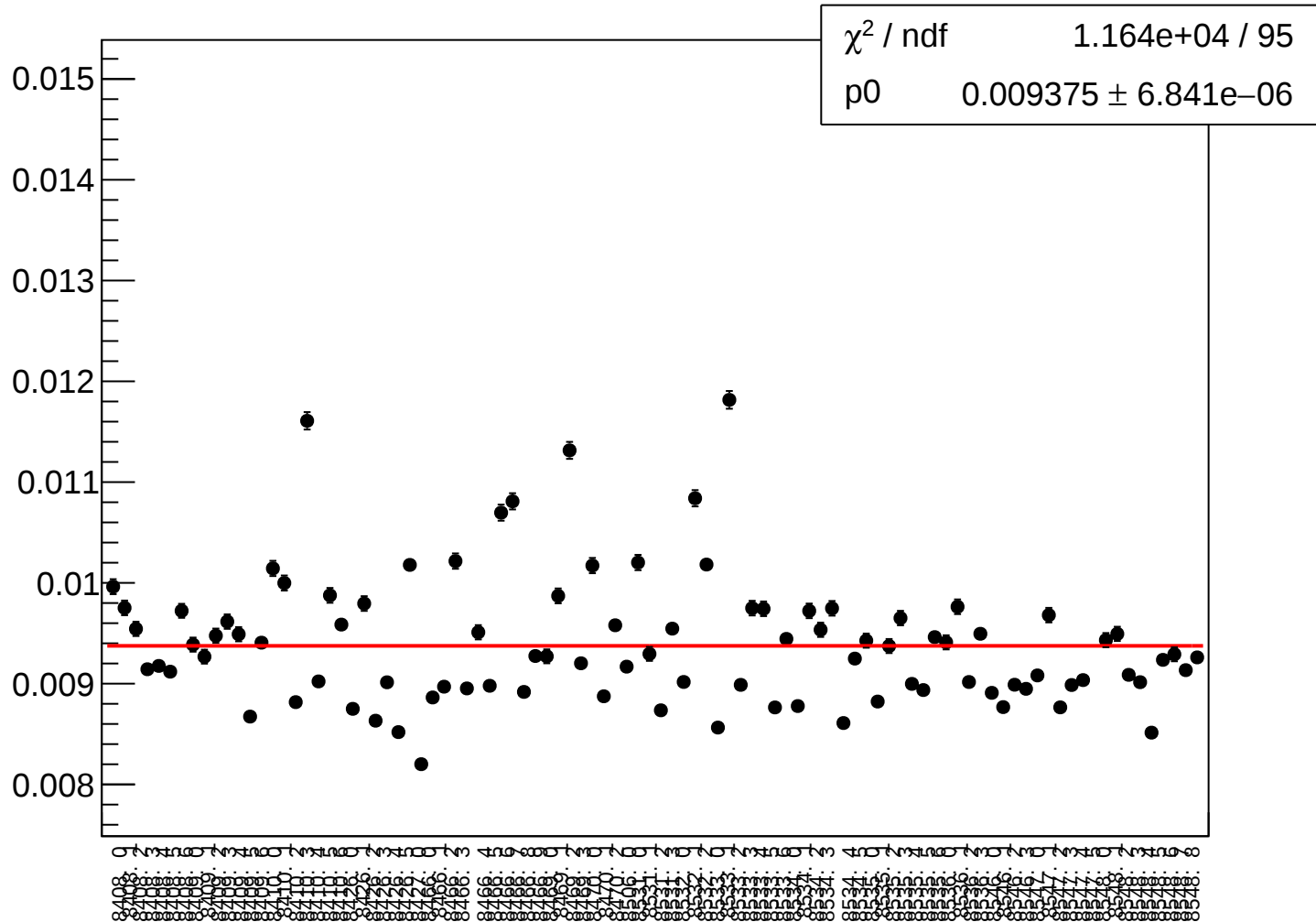
yield_bpm1i02X_rms vs run



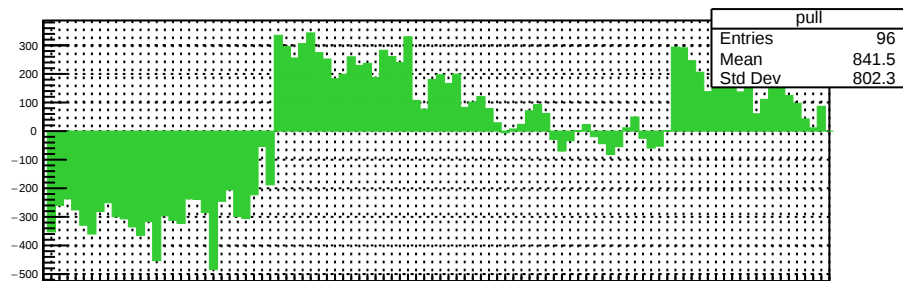
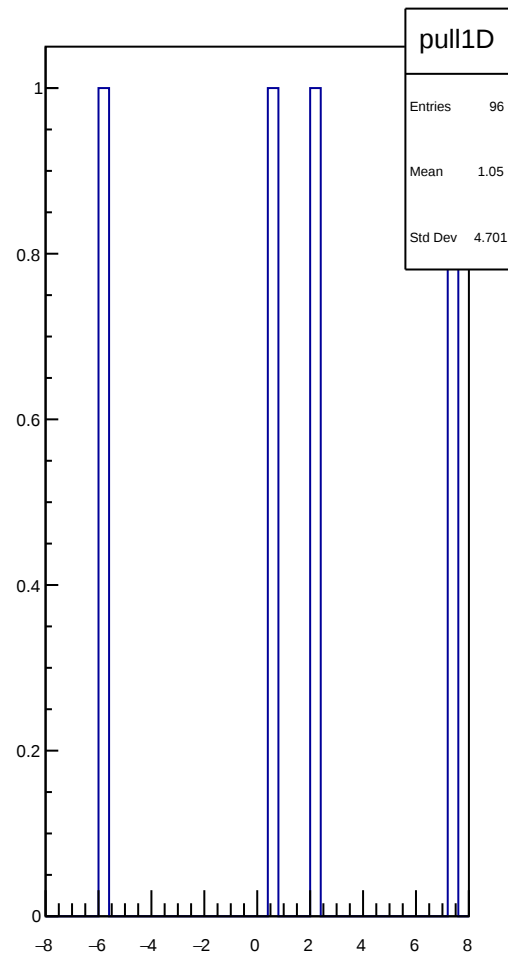
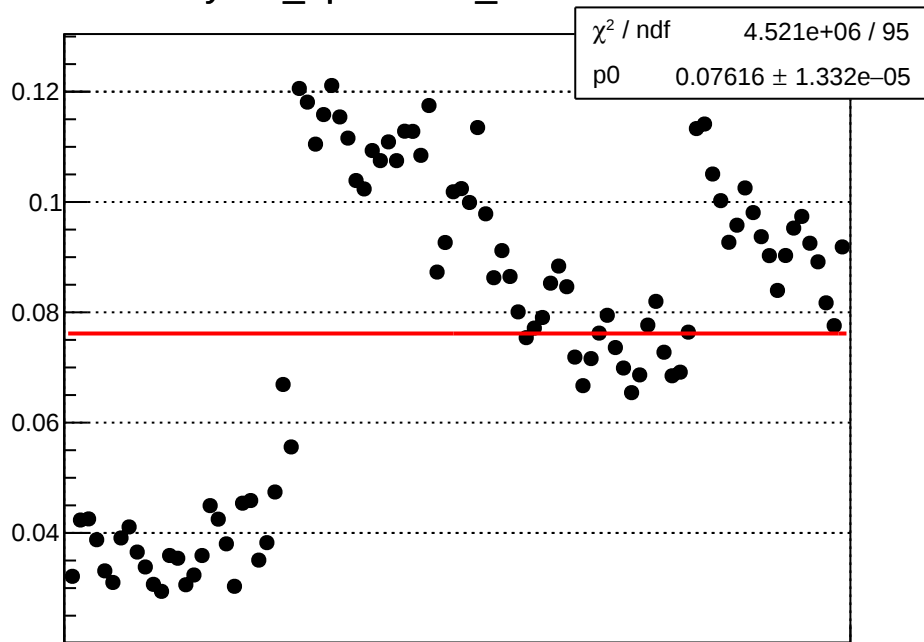
yield_bpm1i02Y_mean vs run



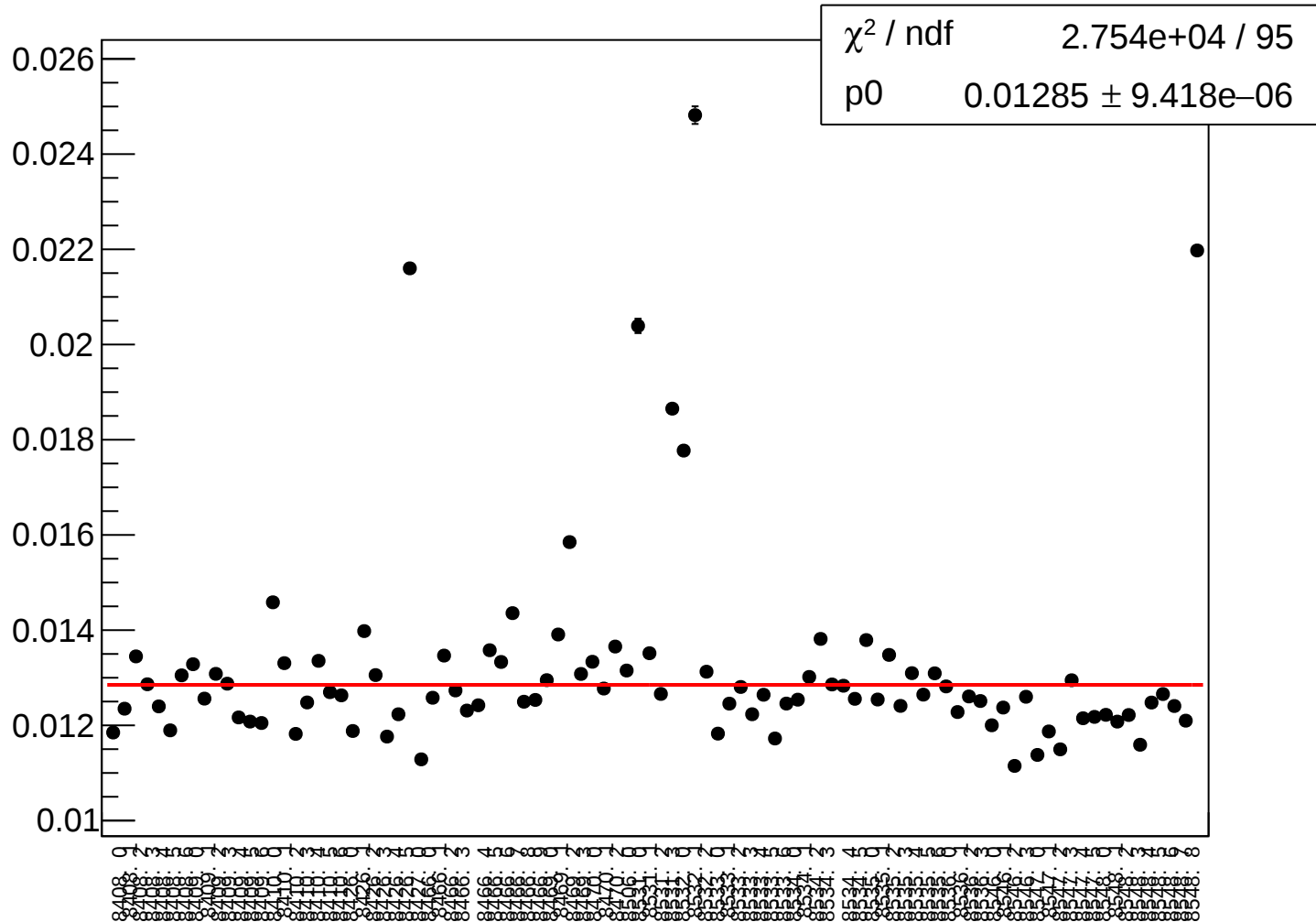
yield_bpm1i02Y_rms vs run



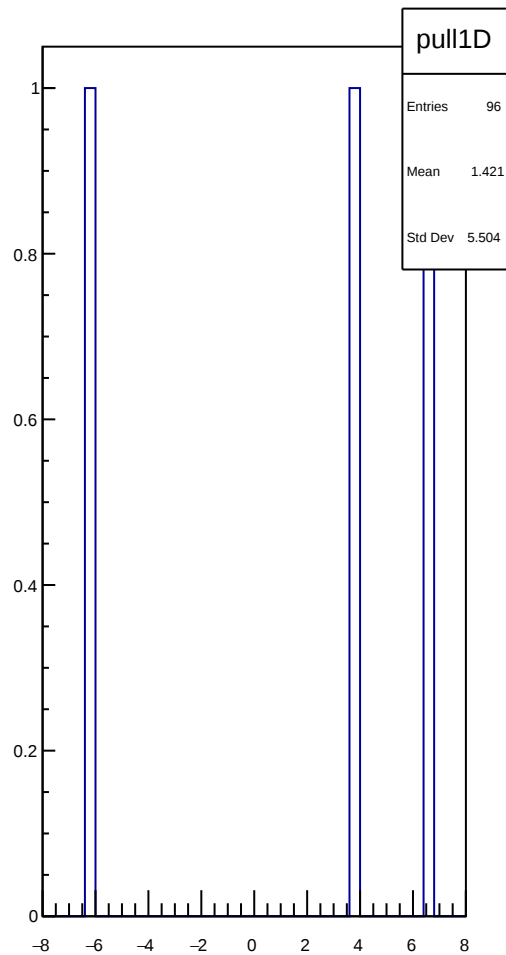
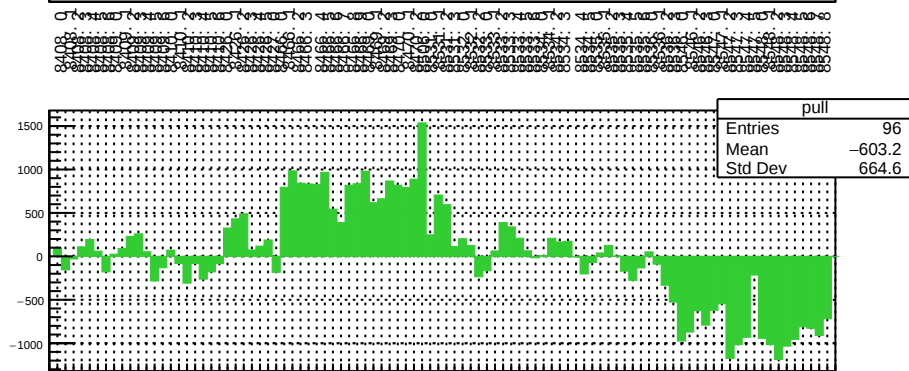
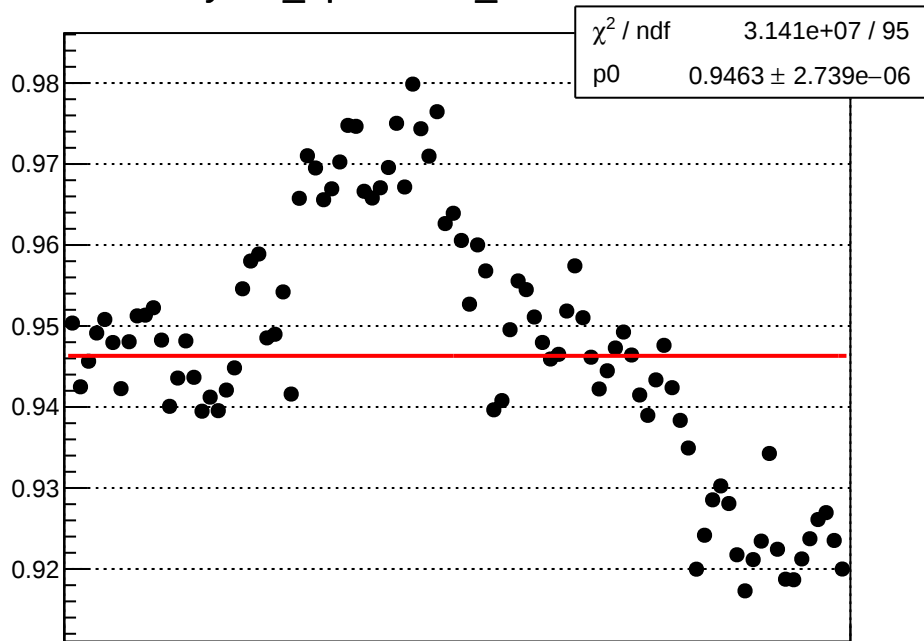
yield_bpm1i04X_mean vs run



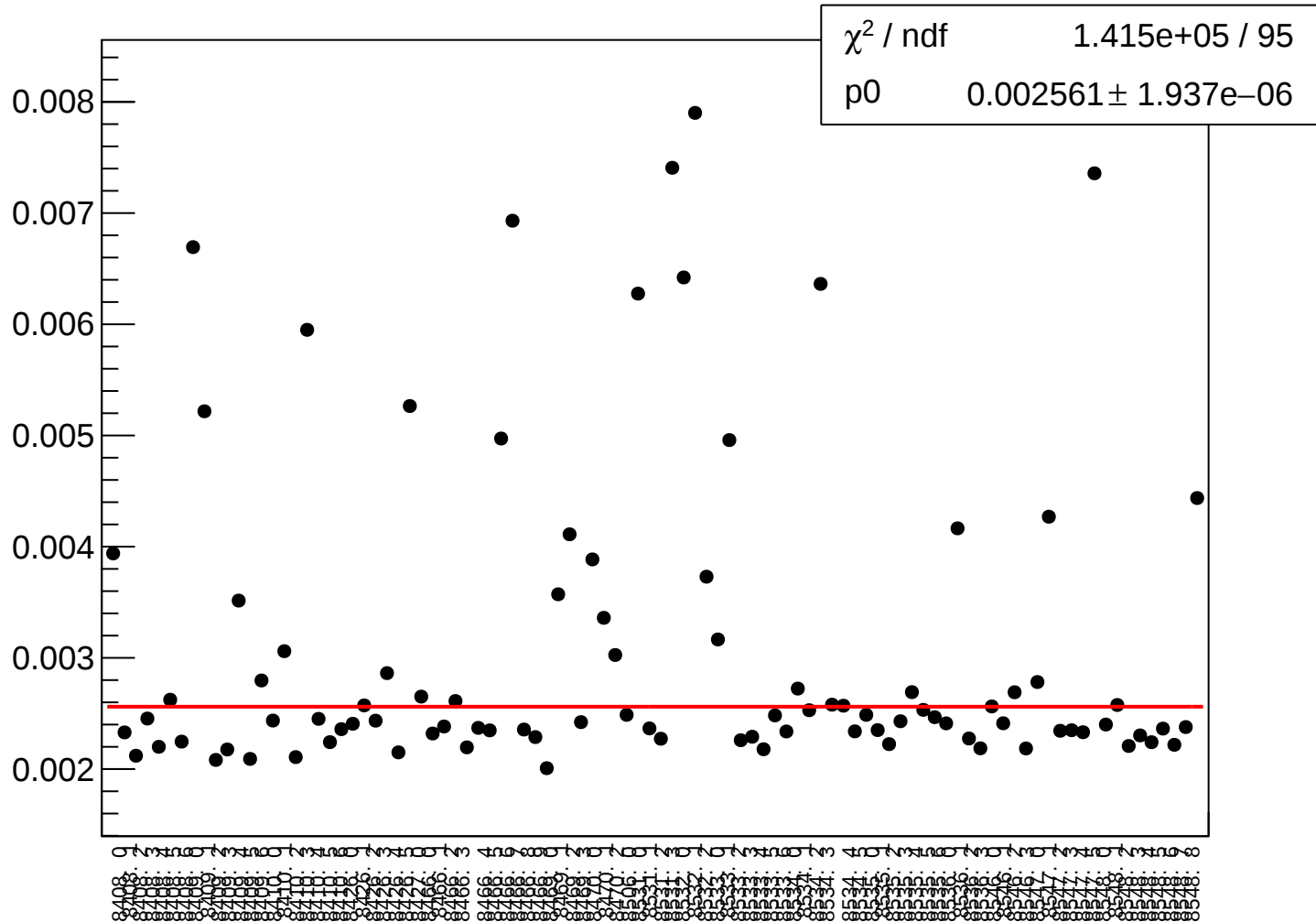
yield_bpm1i04X_rms vs run



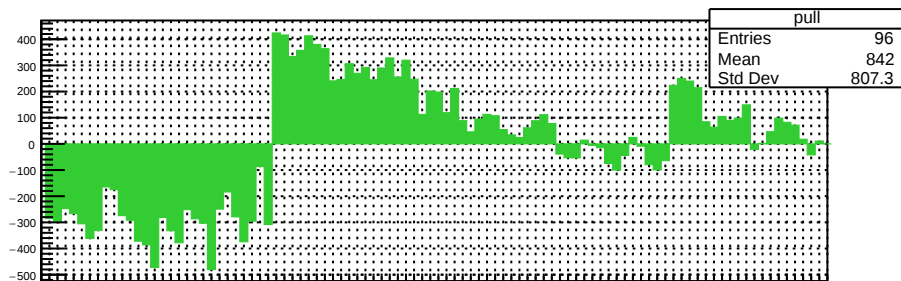
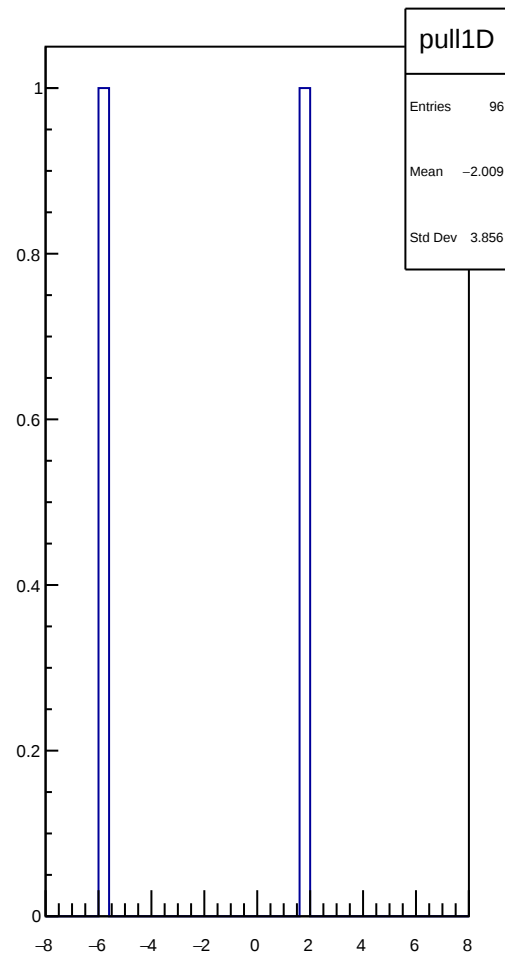
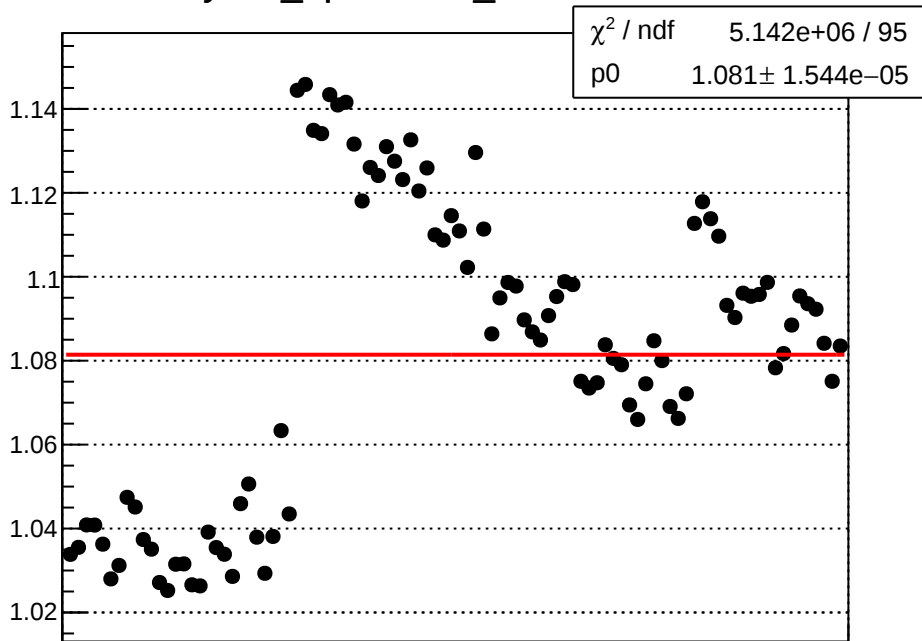
yield_bpm1i04Y_mean vs run



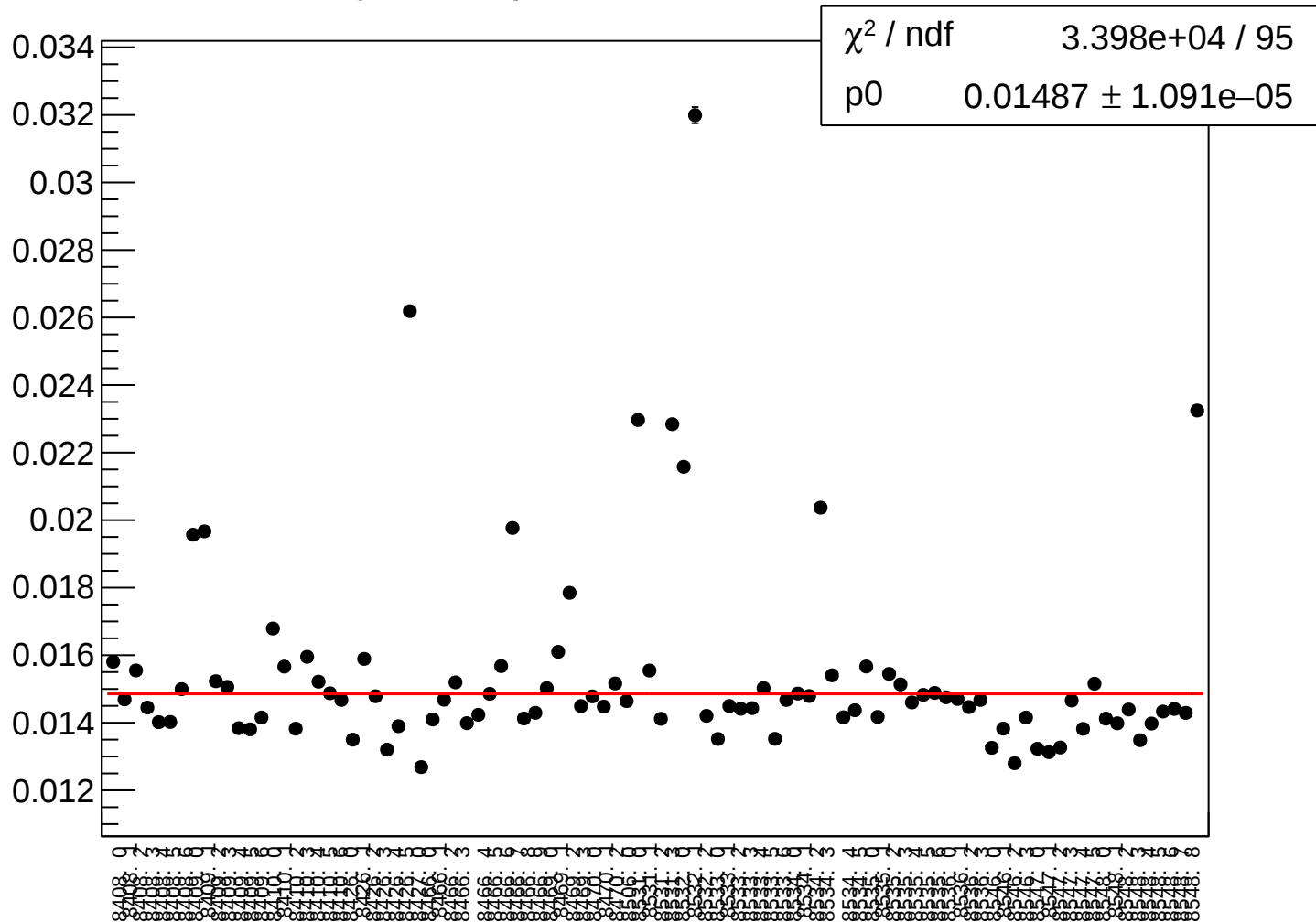
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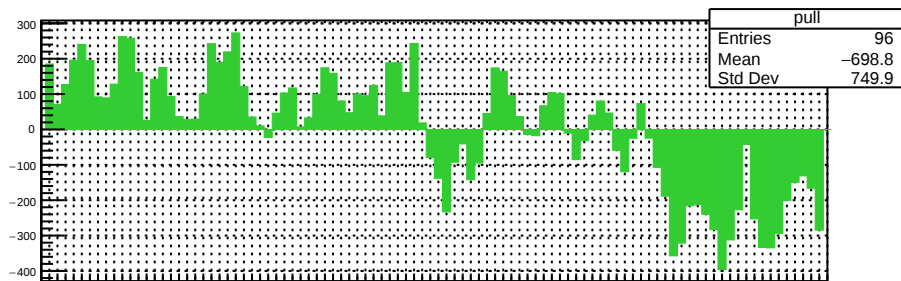
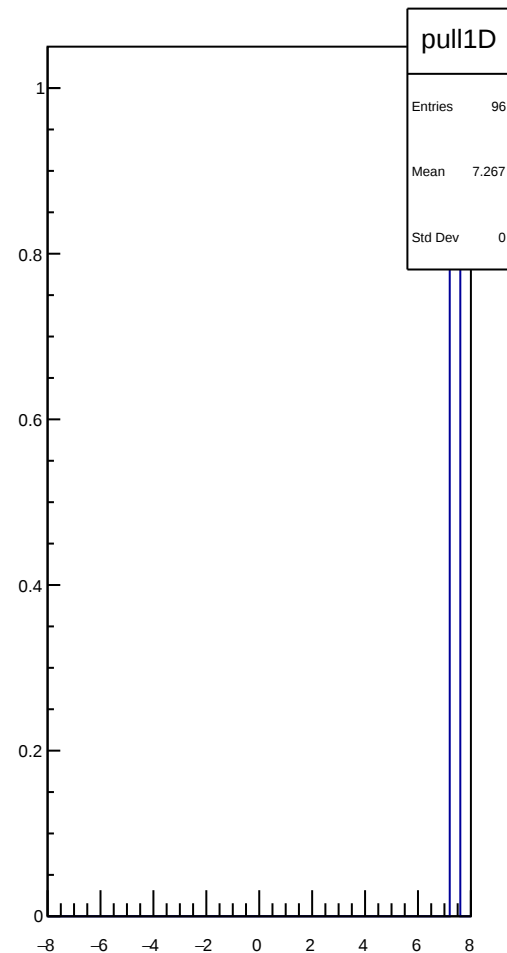
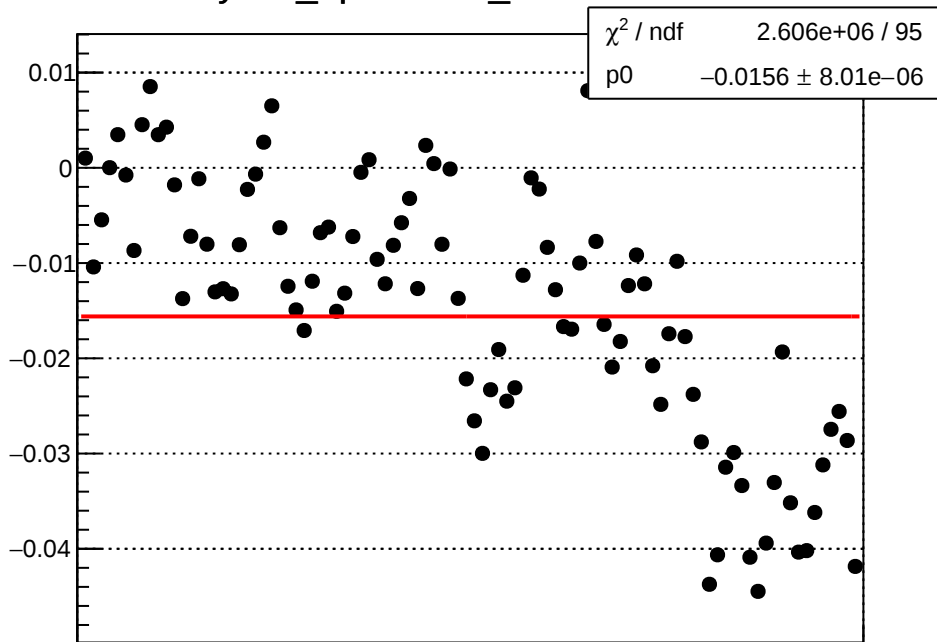
yield_bpm1i06X_mean vs run



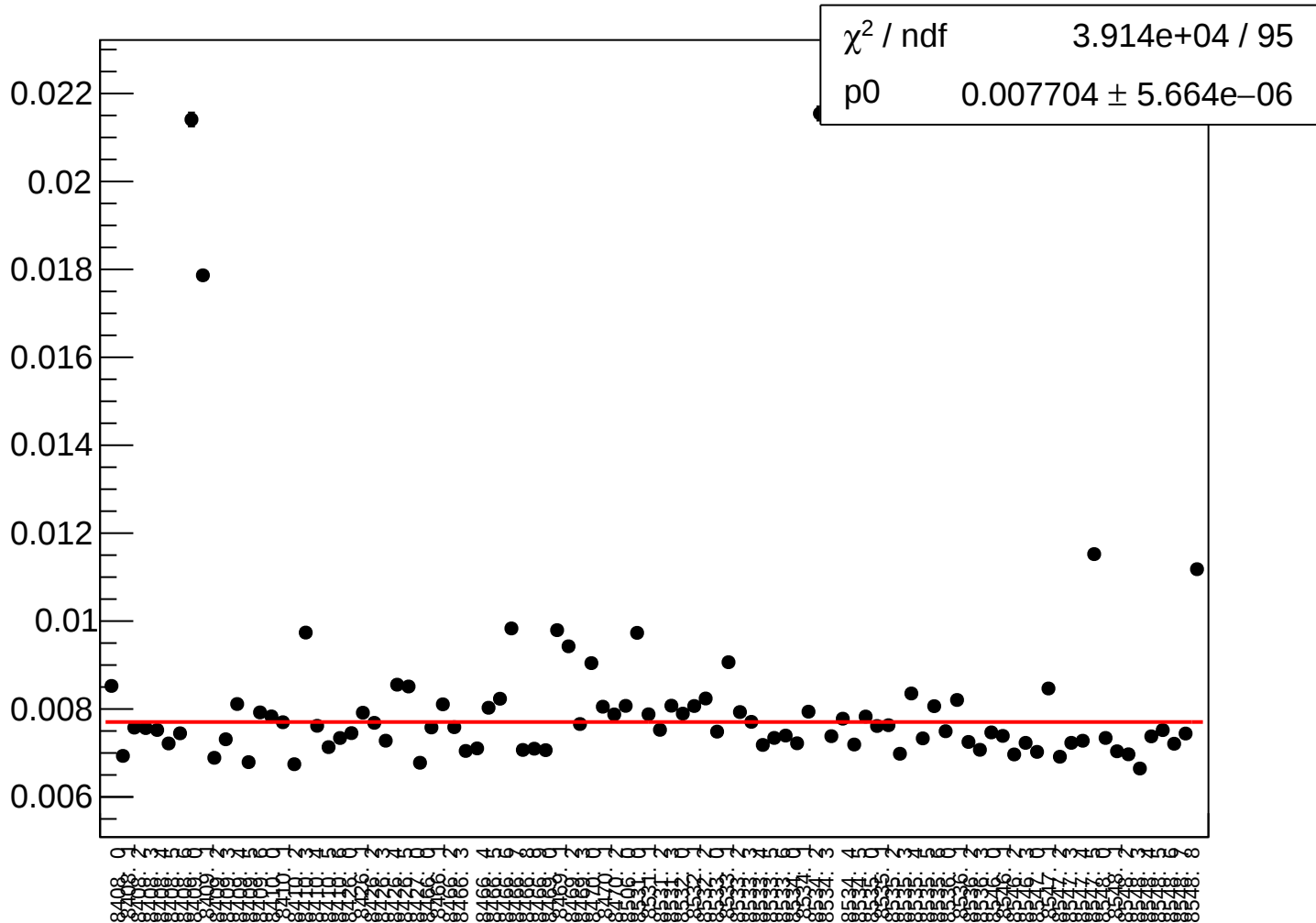
yield_bpm1i06X_rms vs run



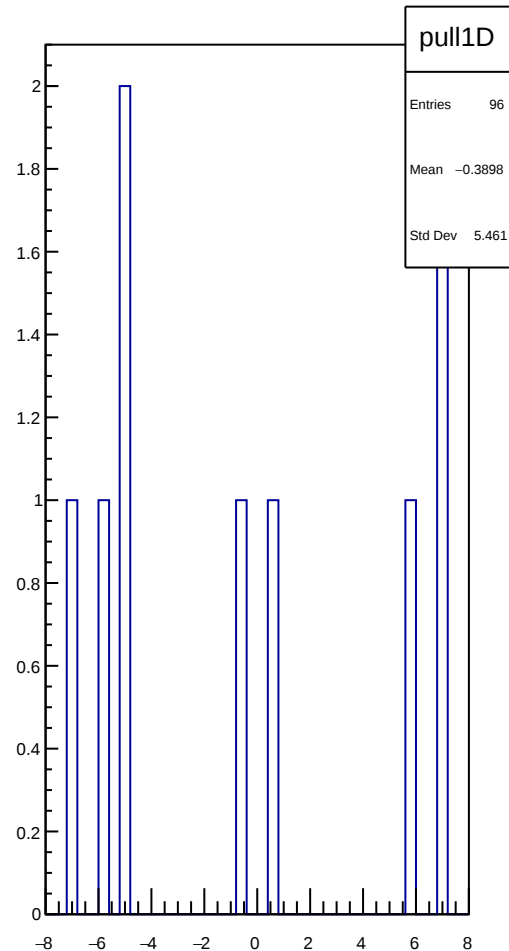
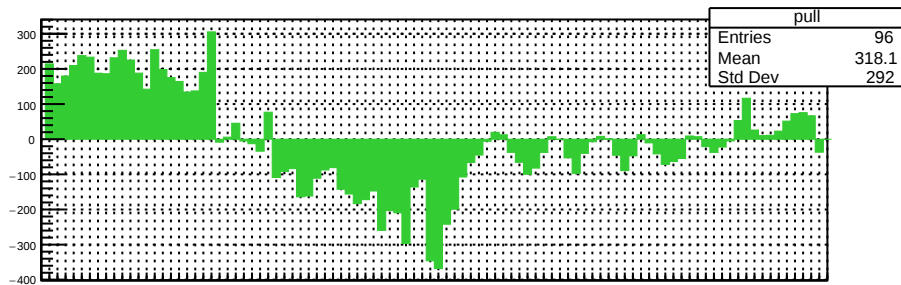
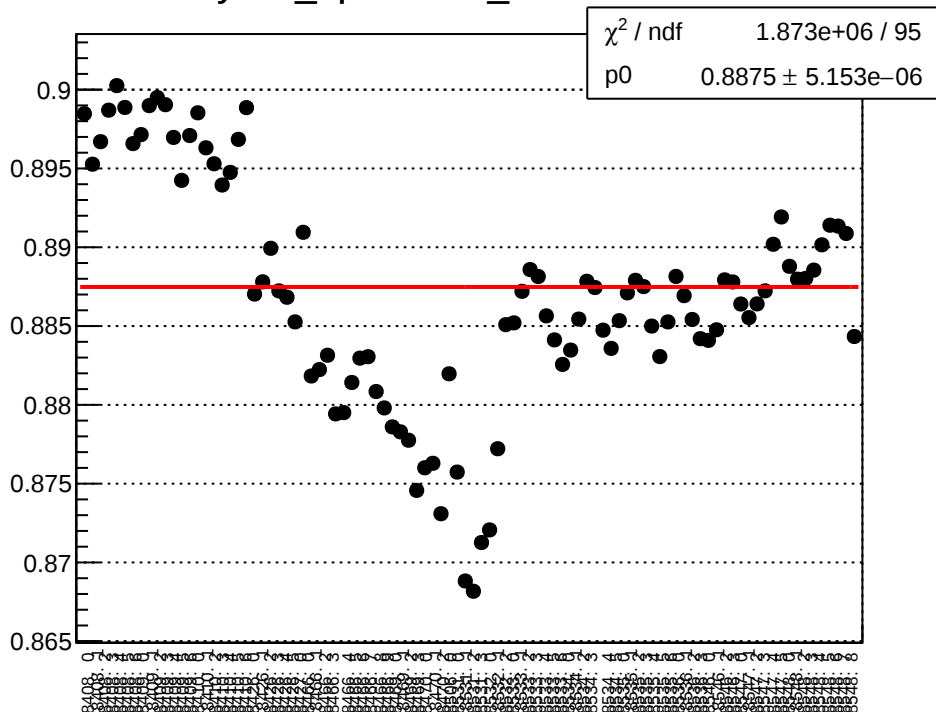
yield_bpm1i06Y_mean vs run



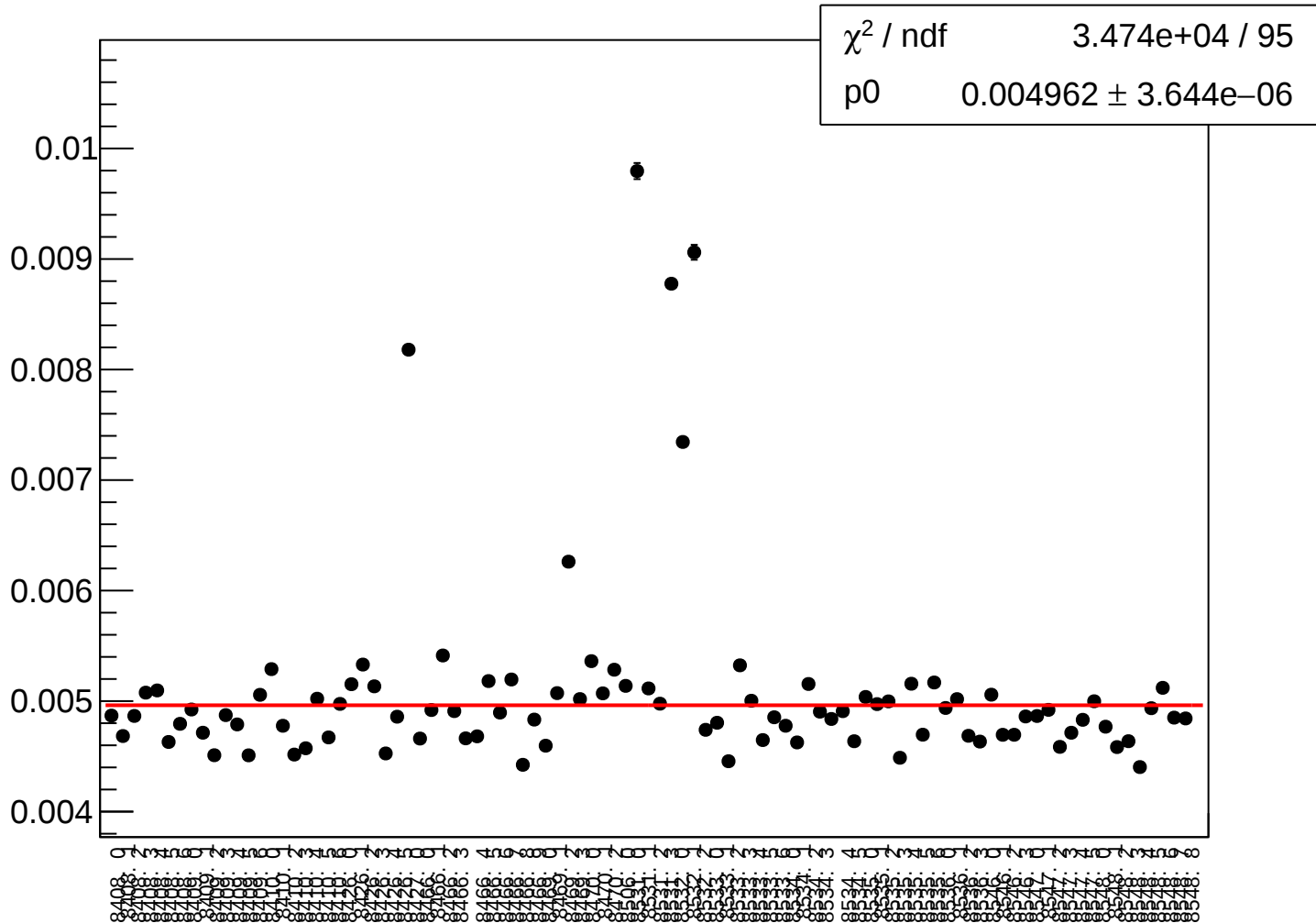
yield_bpm1i06Y_rms vs run



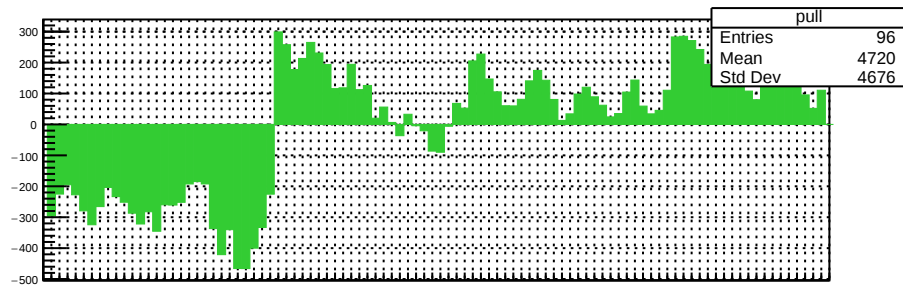
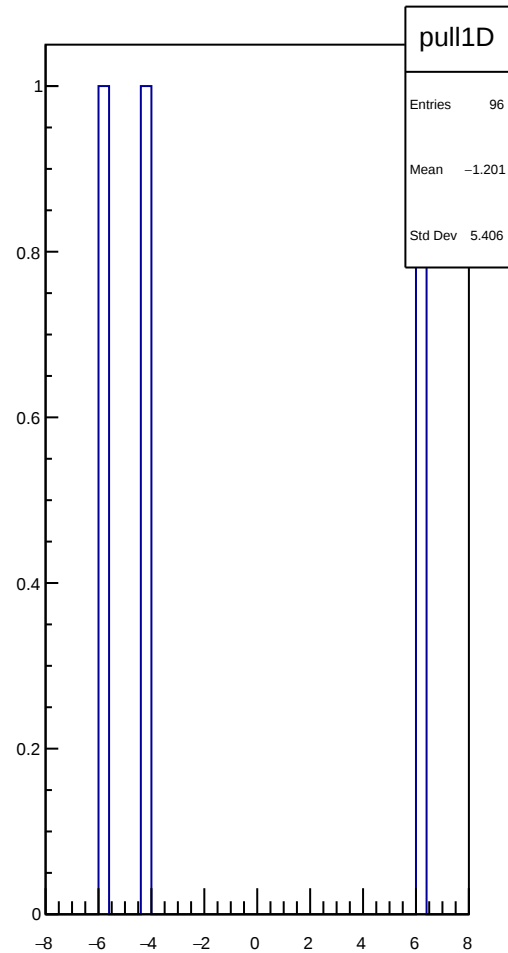
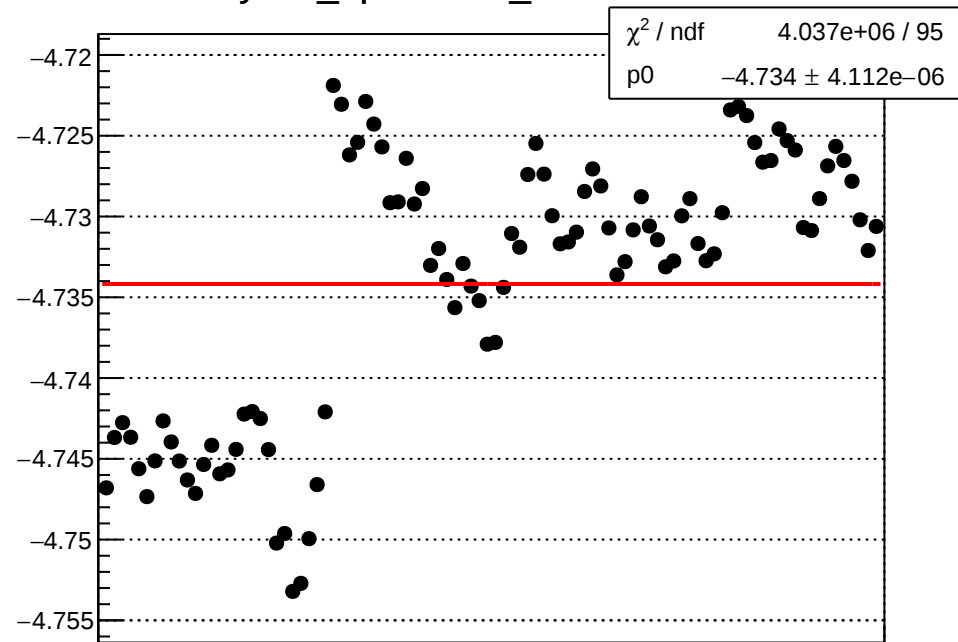
yield_bpm2i01X_mean vs run



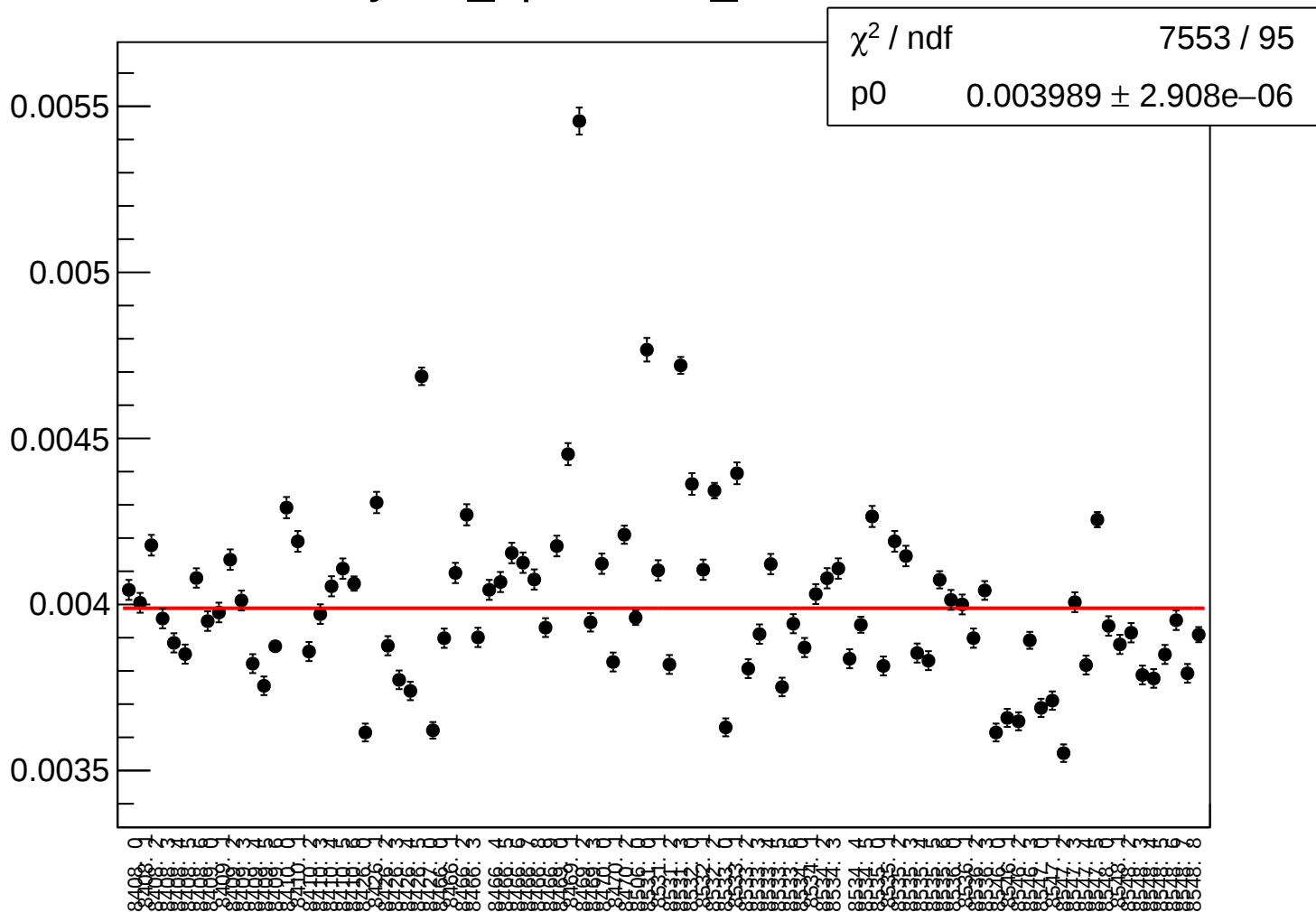
yield_bpm2i01X_rms vs run



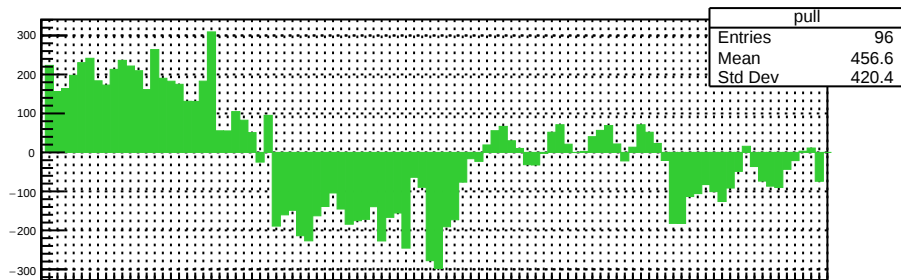
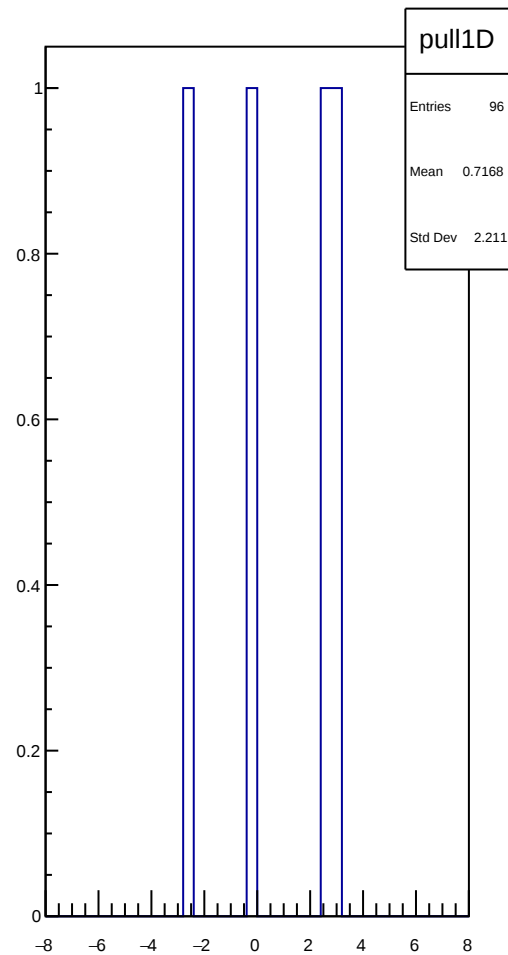
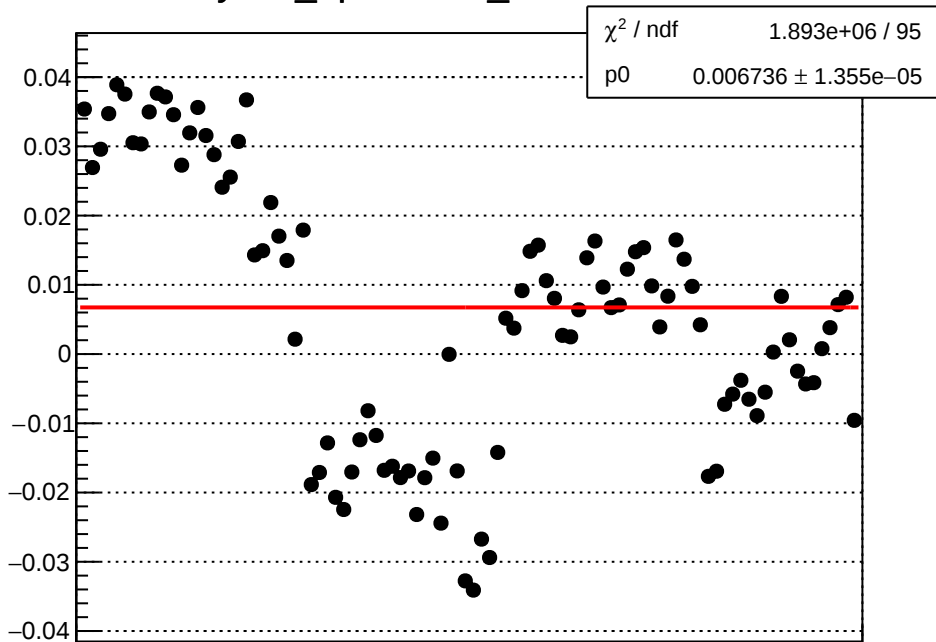
yield_bpm2i01Y_mean vs run



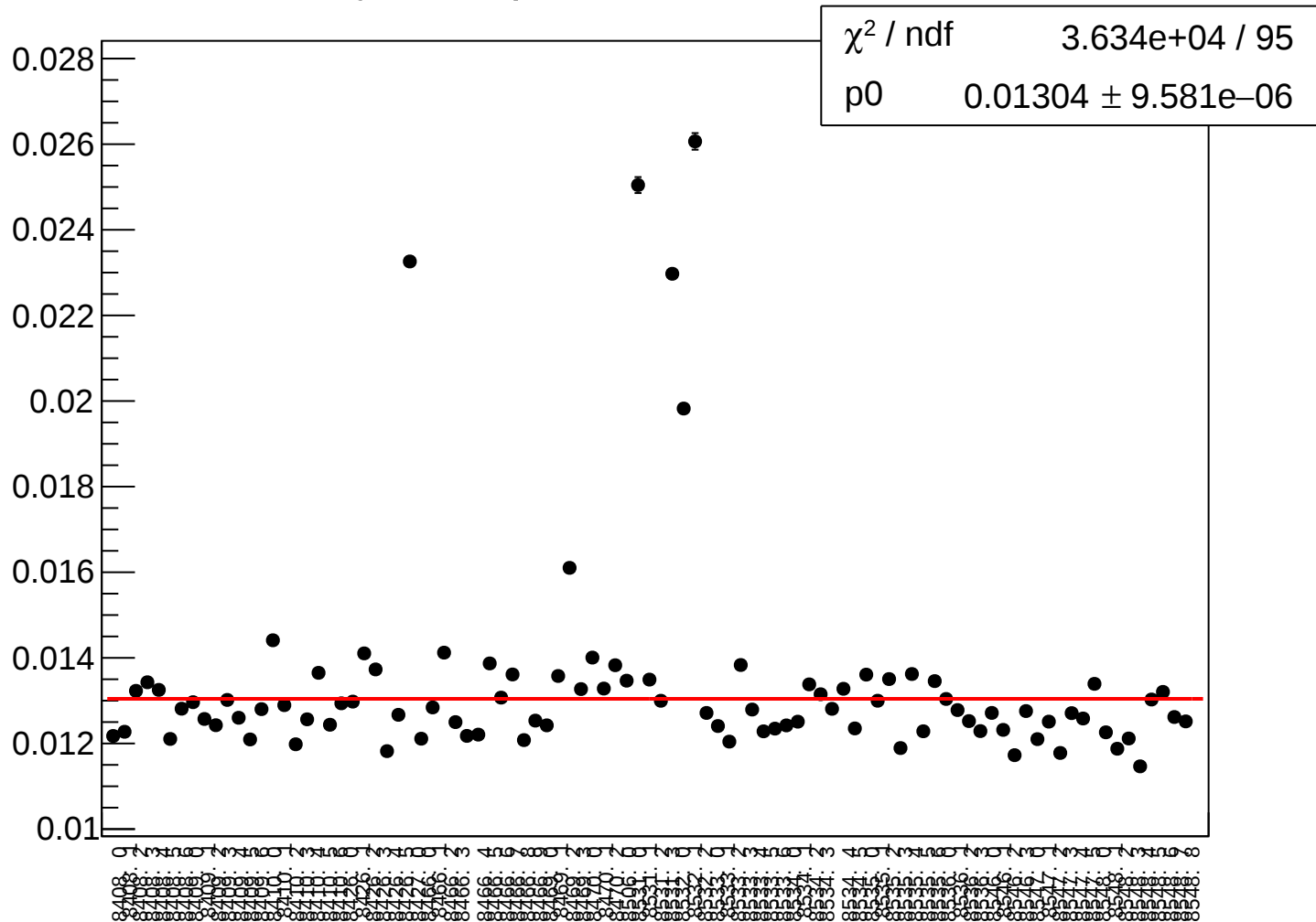
yield_bpm2i01Y_rms vs run



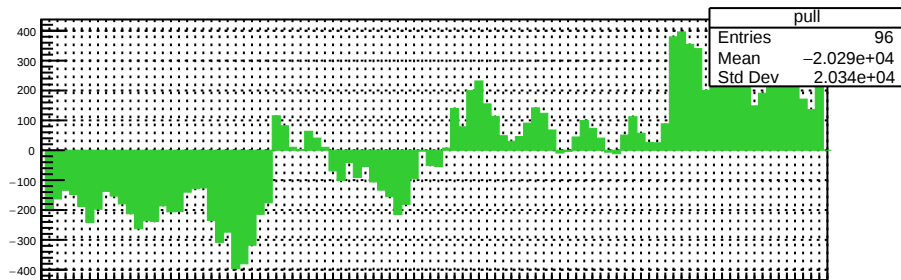
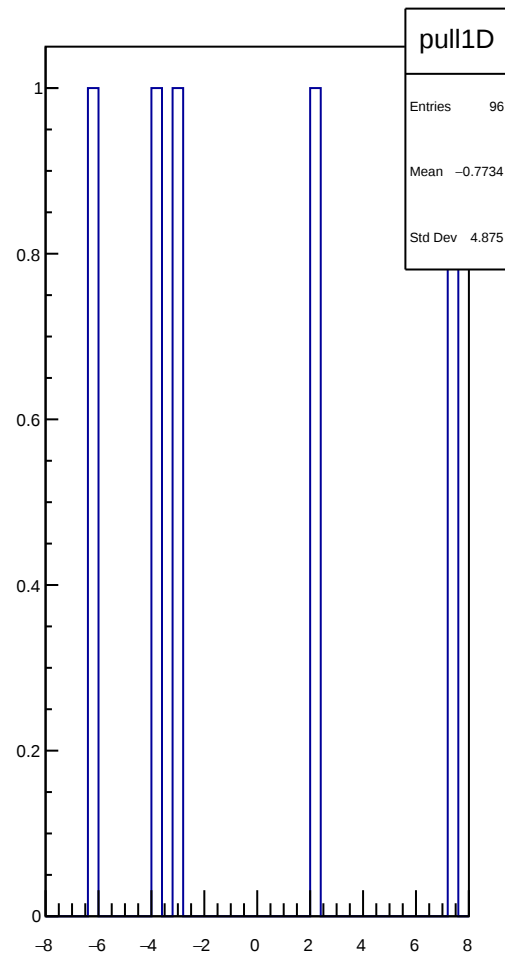
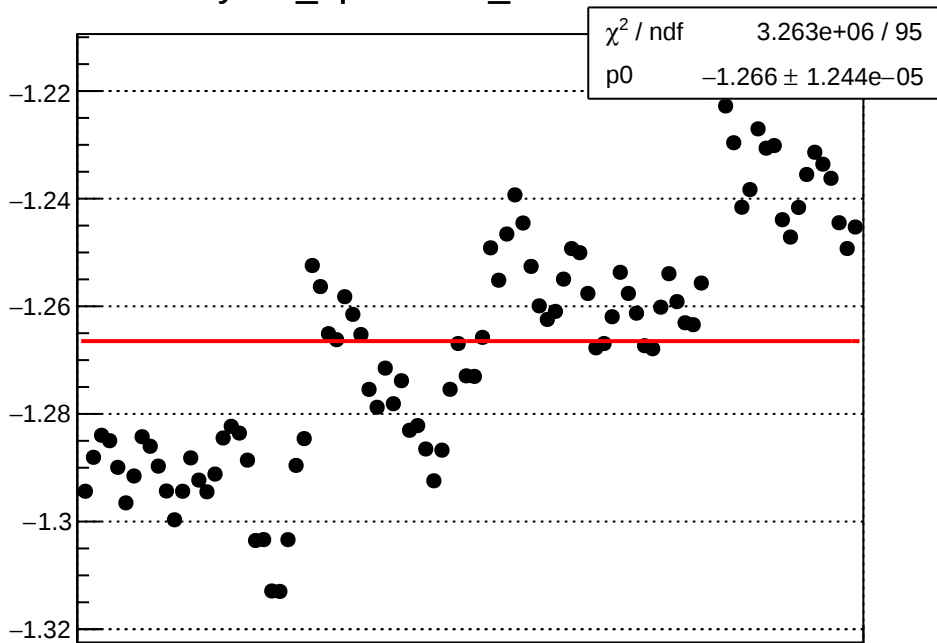
yield_bpm2i02X_mean vs run



yield_bpm2i02X_rms vs run



yield_bpm2i02Y_mean vs run



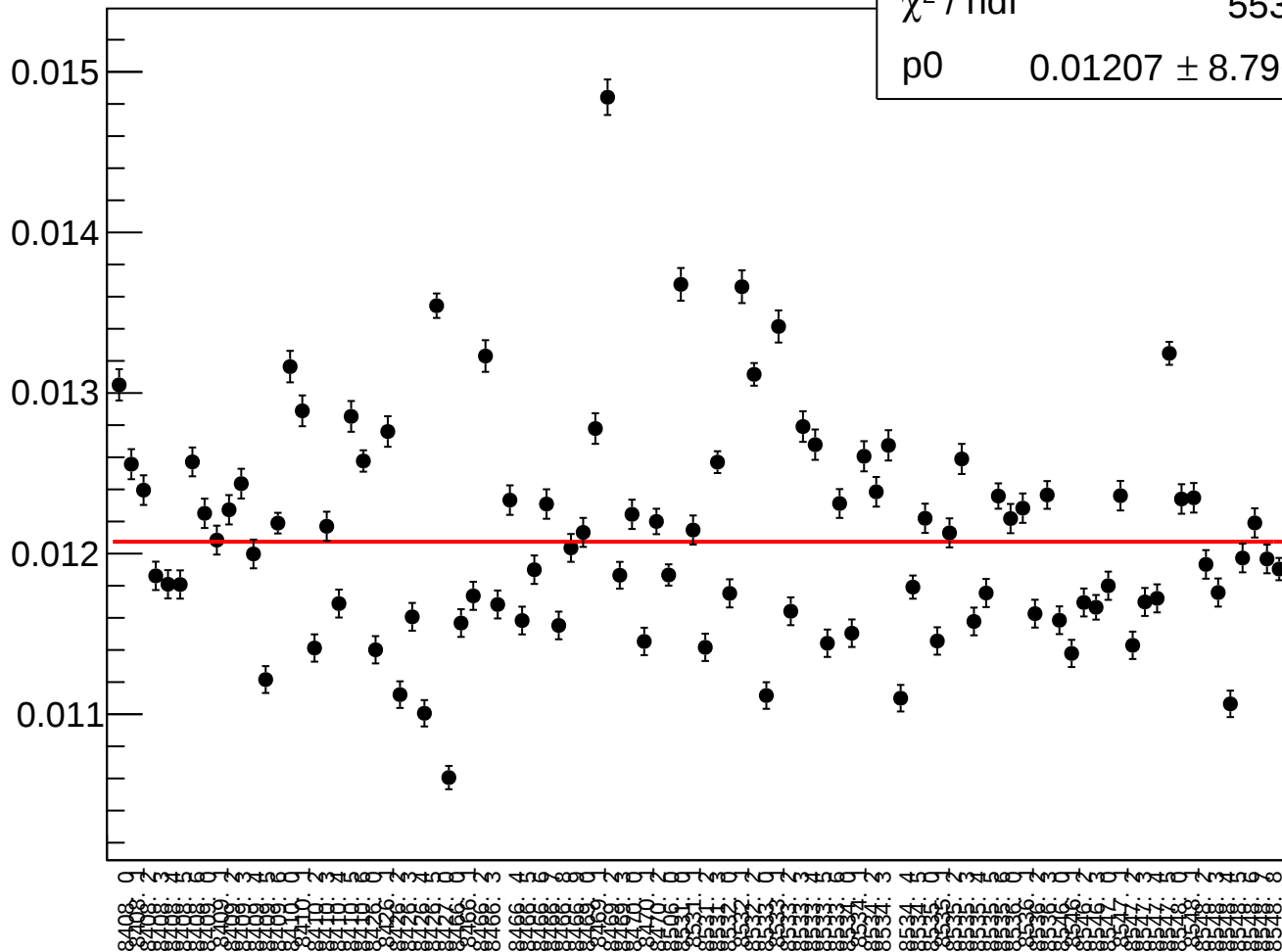
yield_bpm2i02Y_rms vs run

χ^2 / ndf

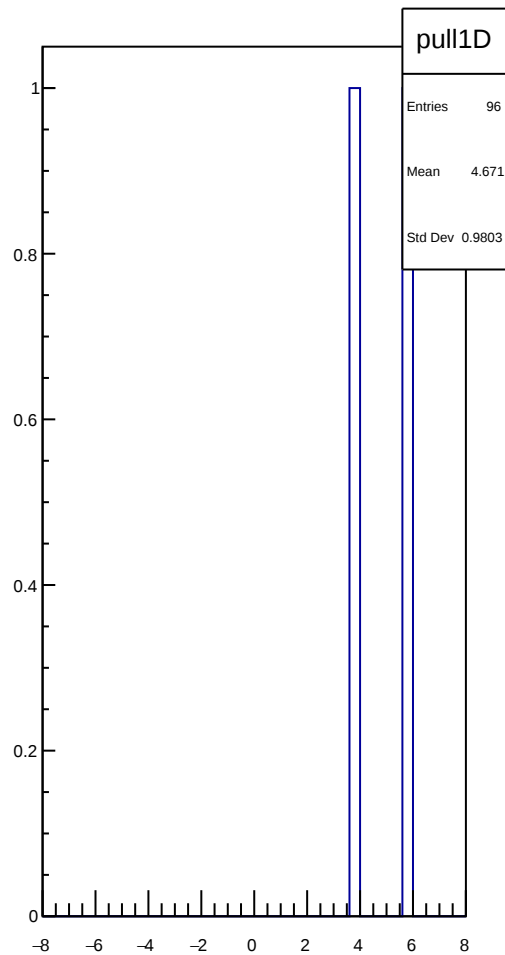
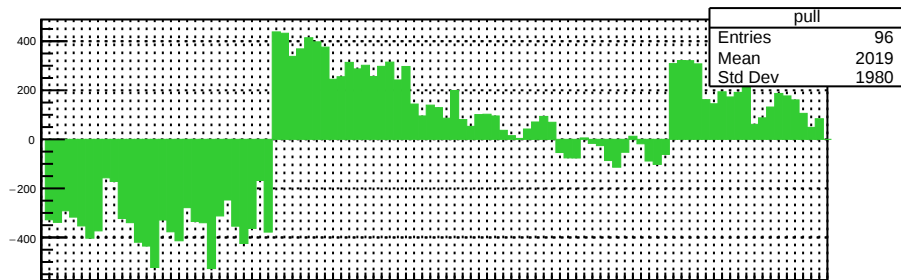
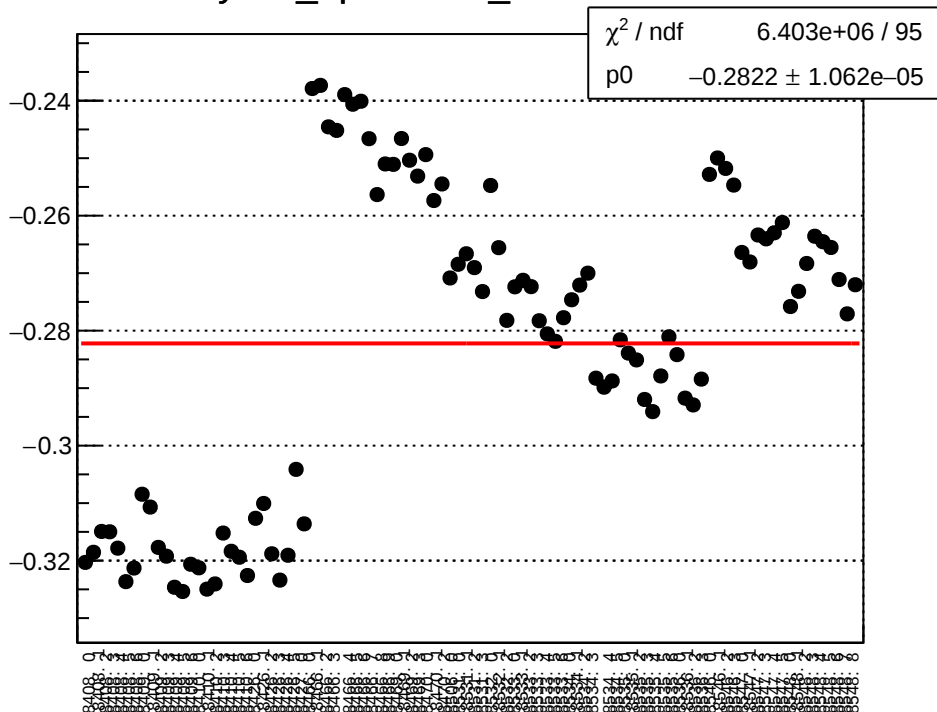
5530 / 95

p0

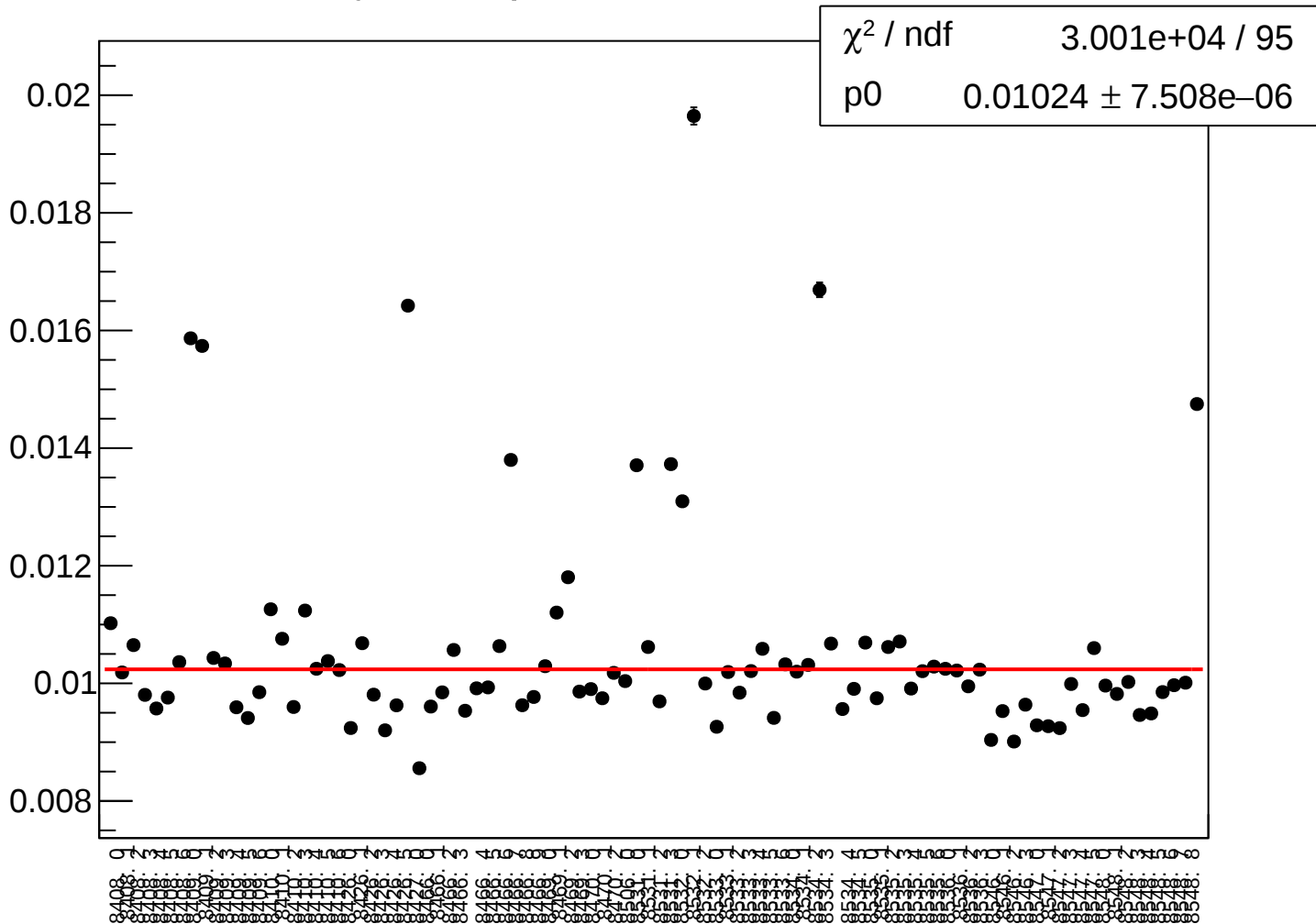
$0.01207 \pm 8.796\text{e-}06$



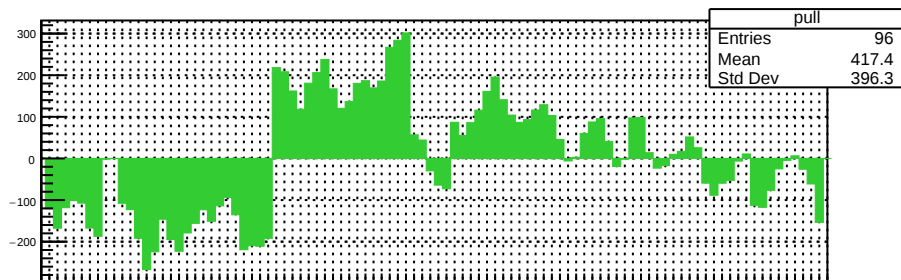
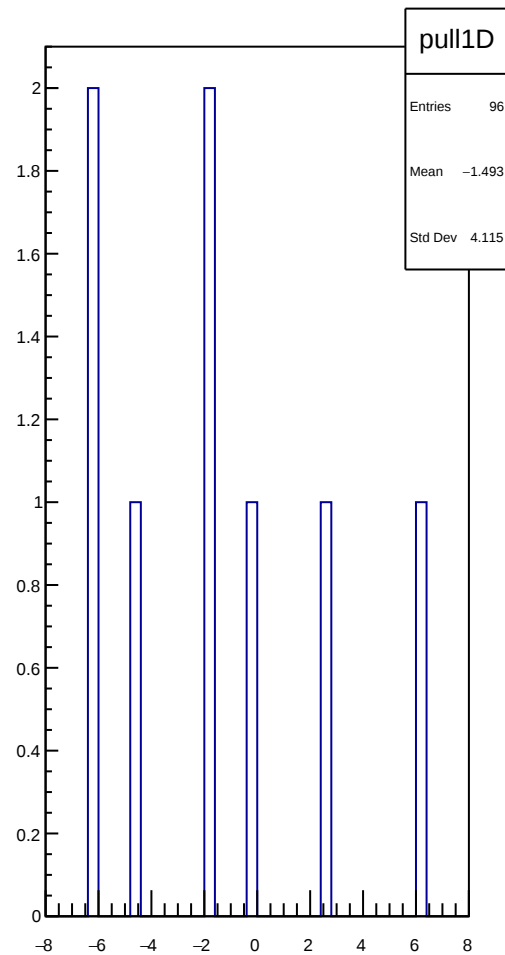
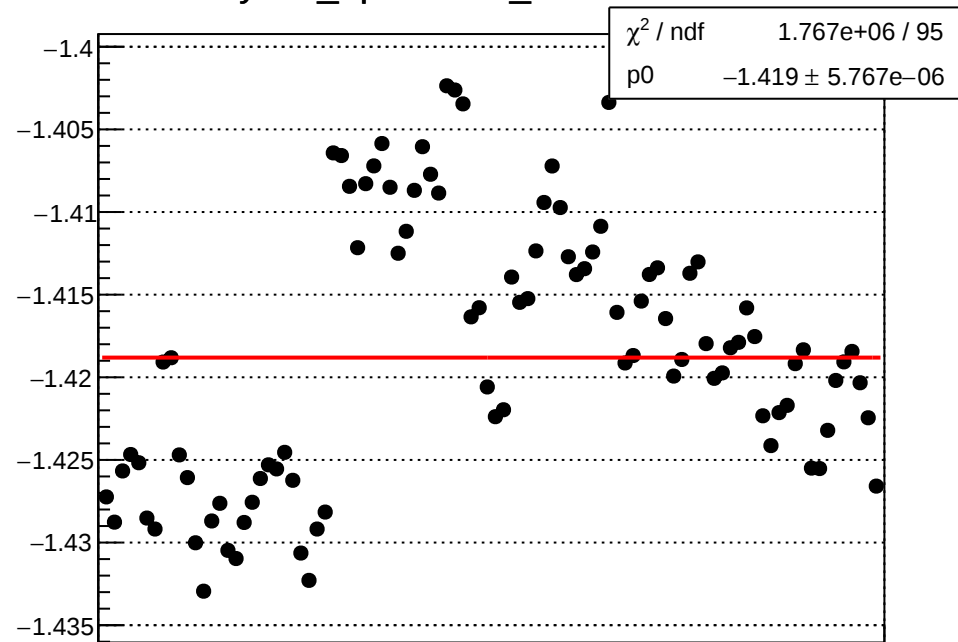
yield_bpm0i01X_mean vs run



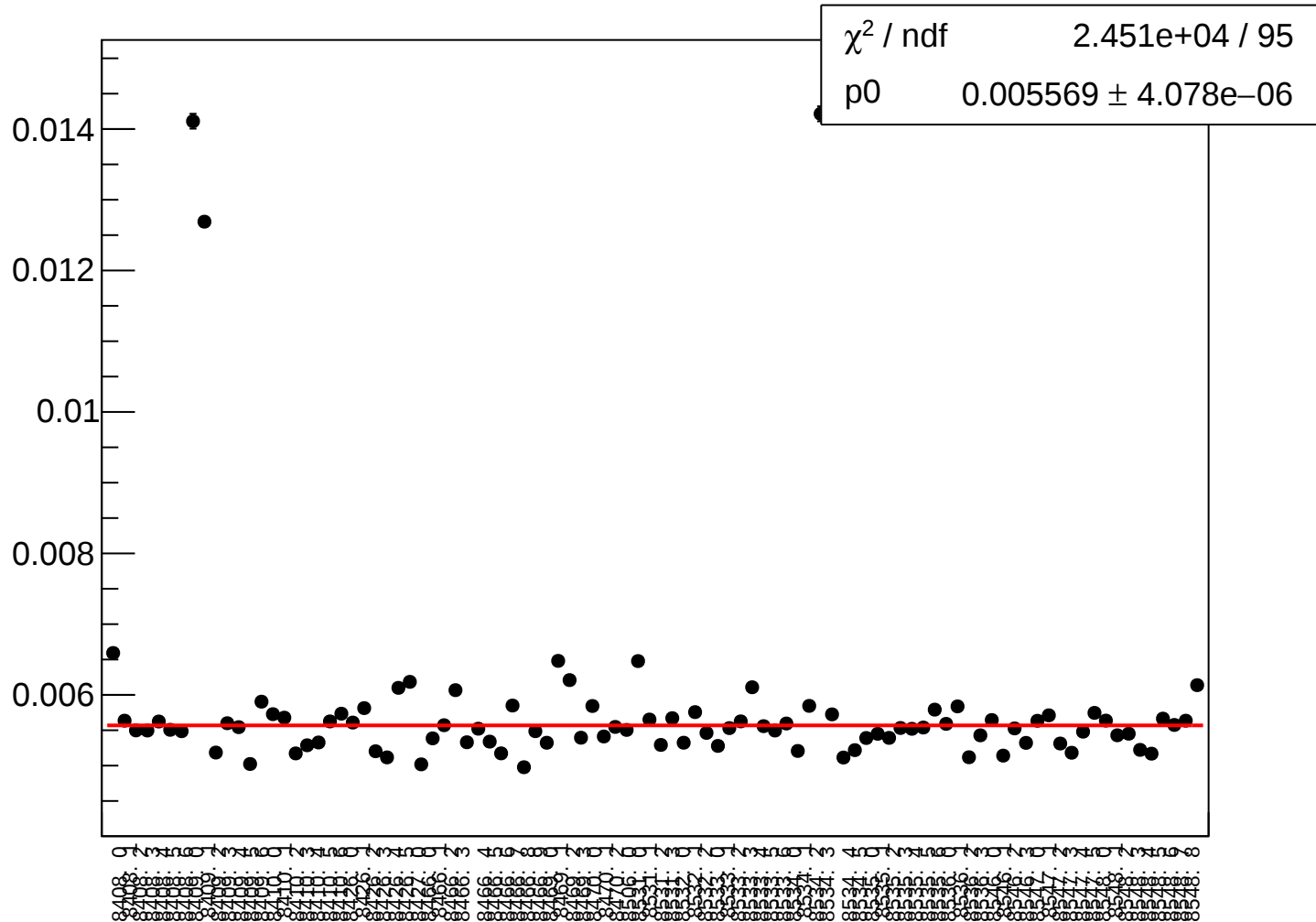
yield_bpm0i01X_rms vs run



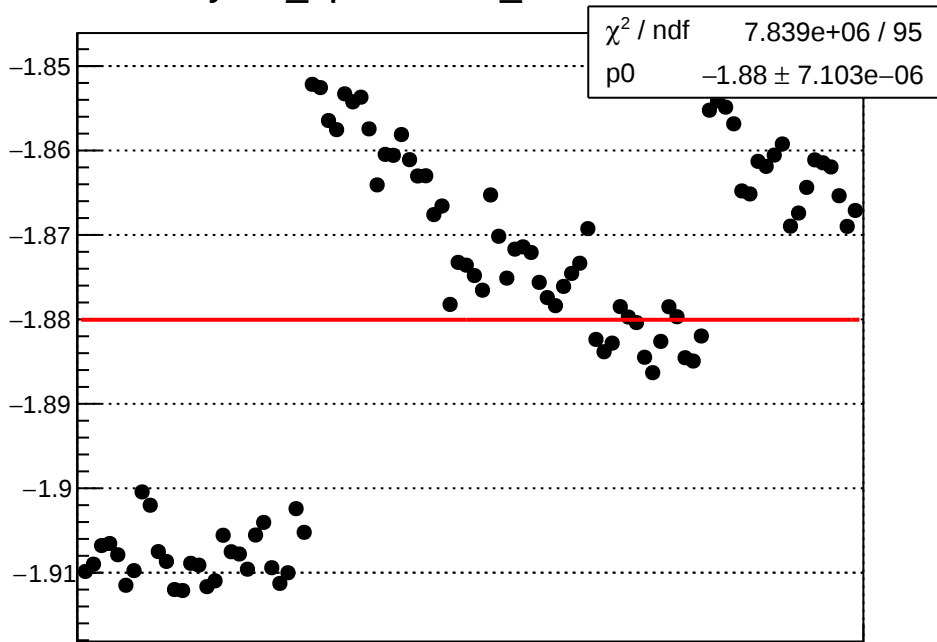
yield_bpm0i01Y_mean vs run



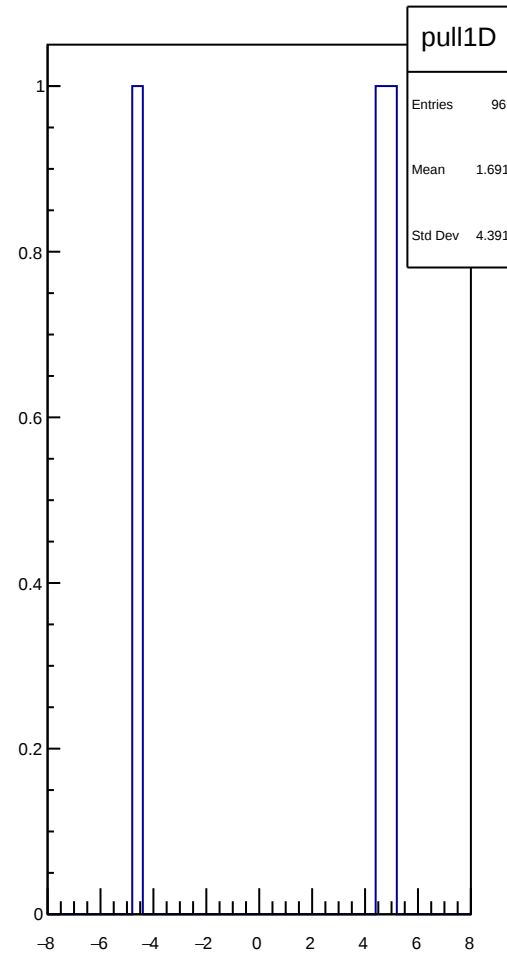
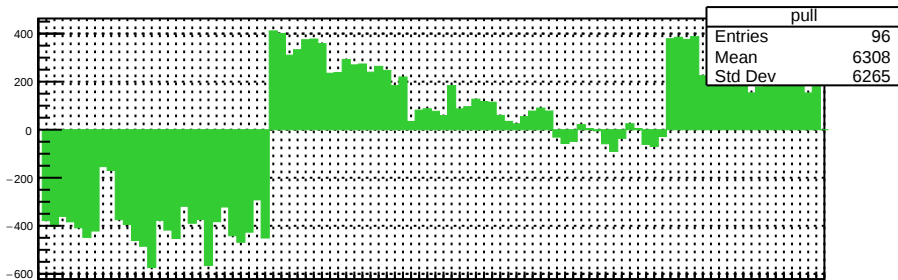
yield_bpm0i01Y_rms vs run



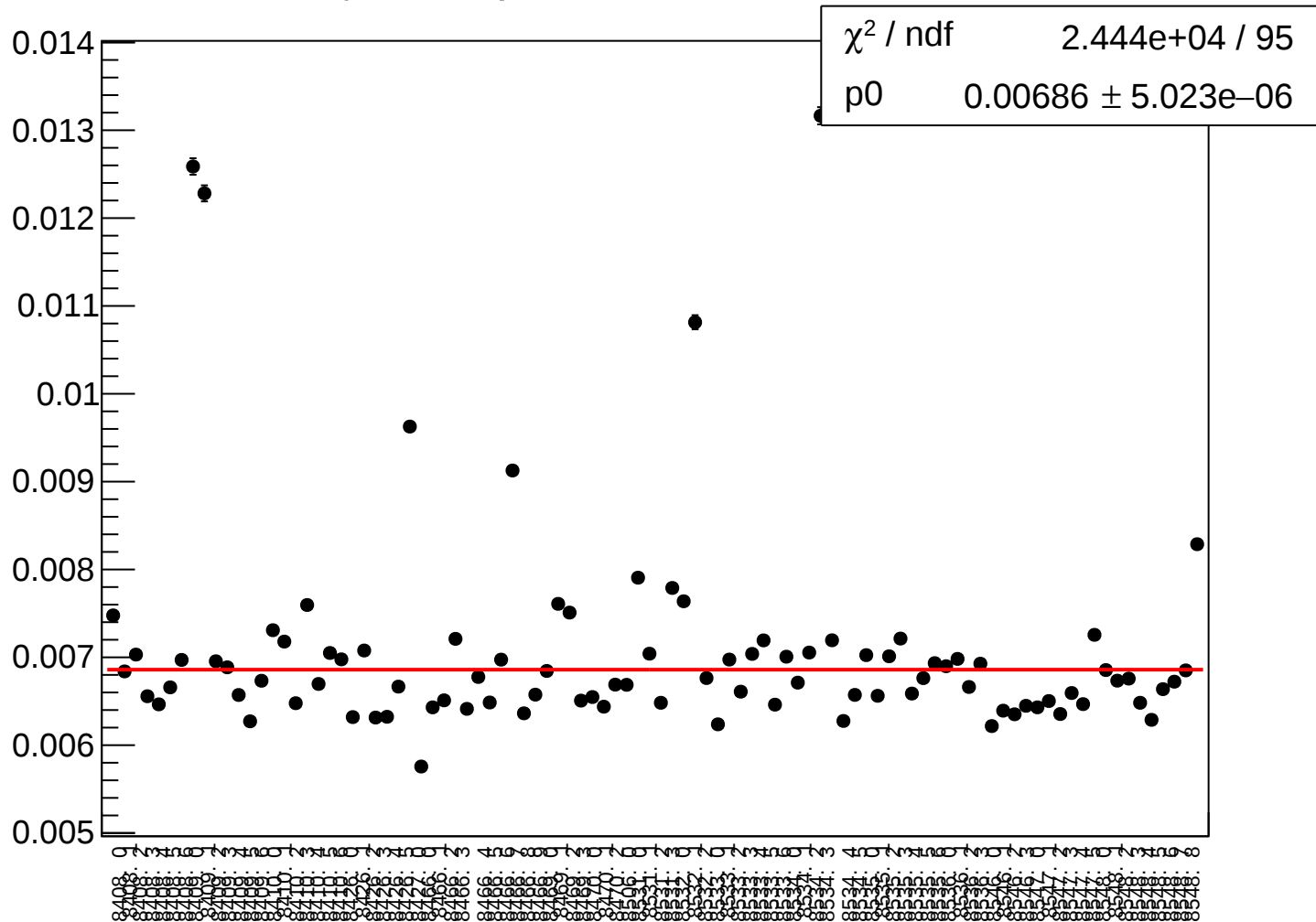
yield_bpm0i01aX_mean vs run



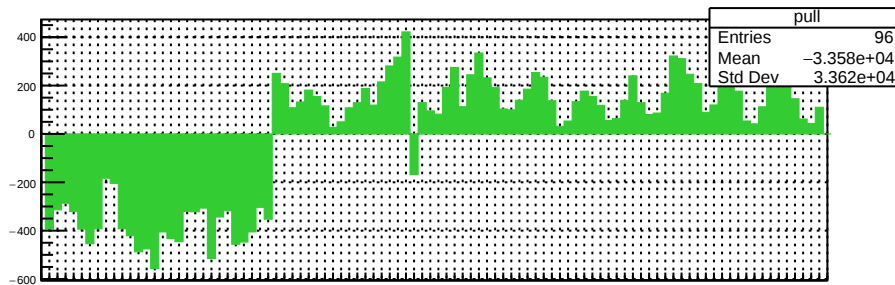
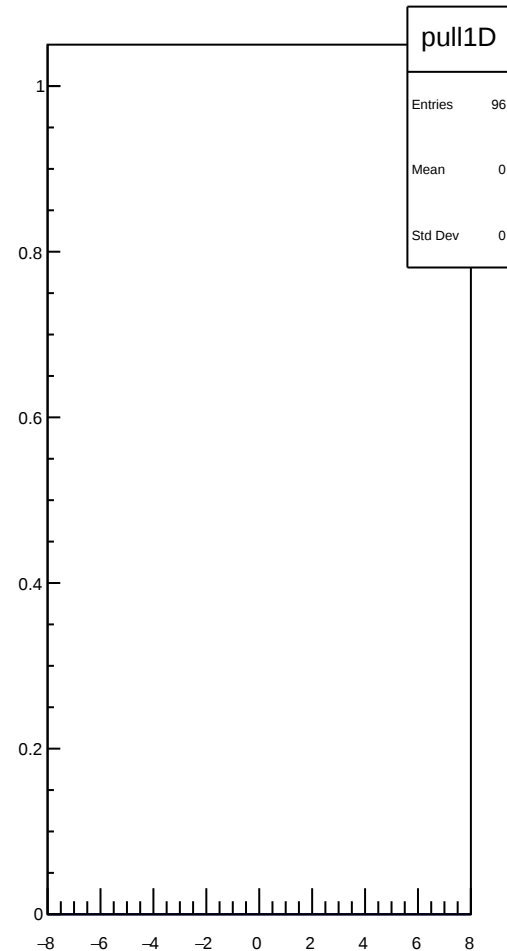
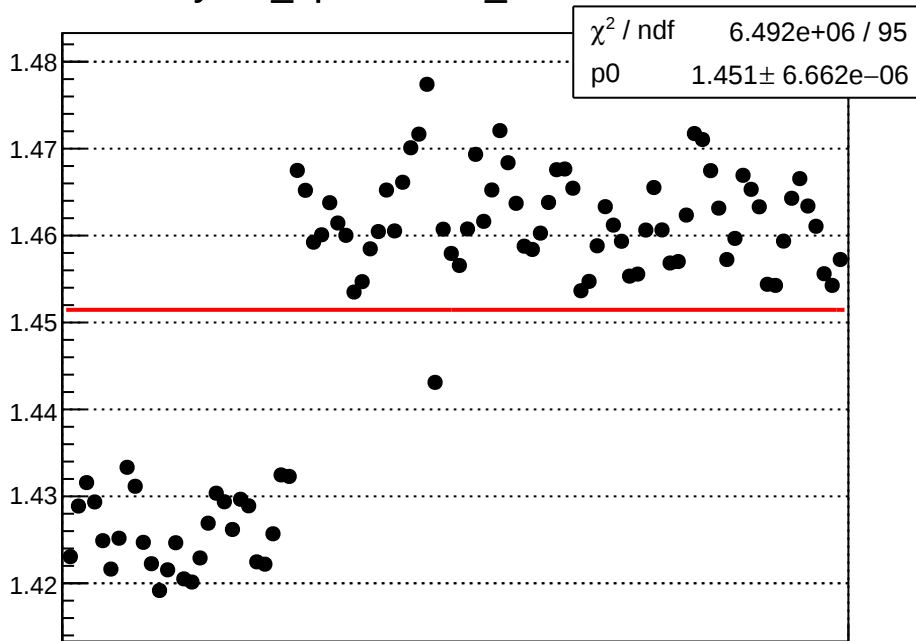
Correlation Coefficient: -0.9999999999999999
 Pearson's Chi-Square Statistic: 7.839e+06
 Degrees of Freedom: 95
 P-Value: 1.000000000000000e+00
 Mean: -1.880000000000000
 Std Dev: 7.103e-06



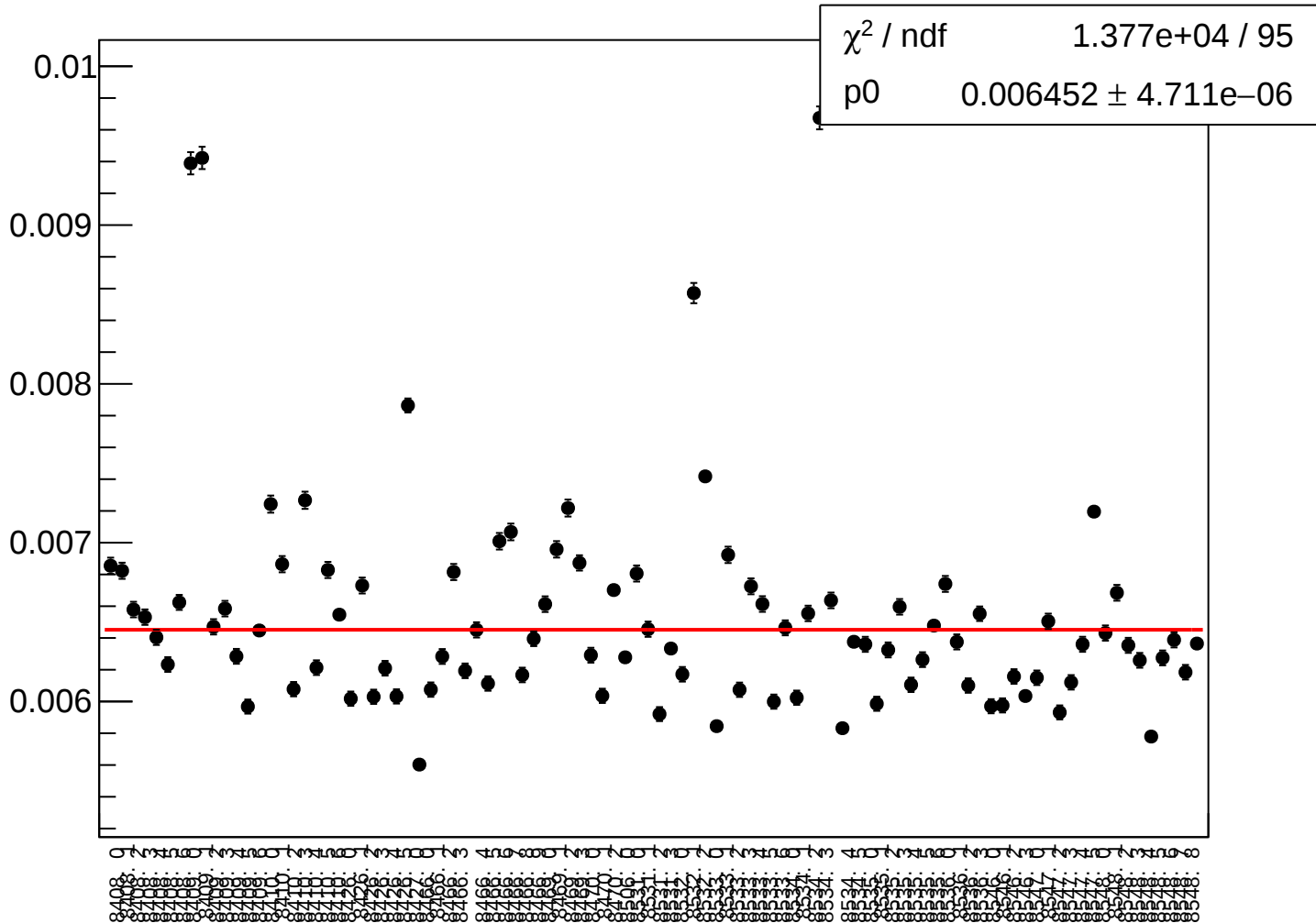
yield_bpm0i01aX_rms vs run



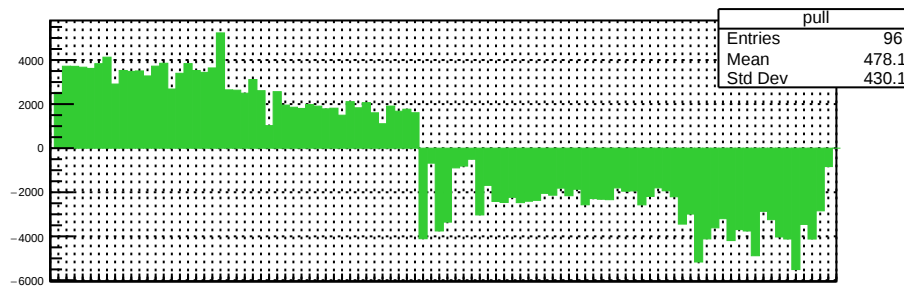
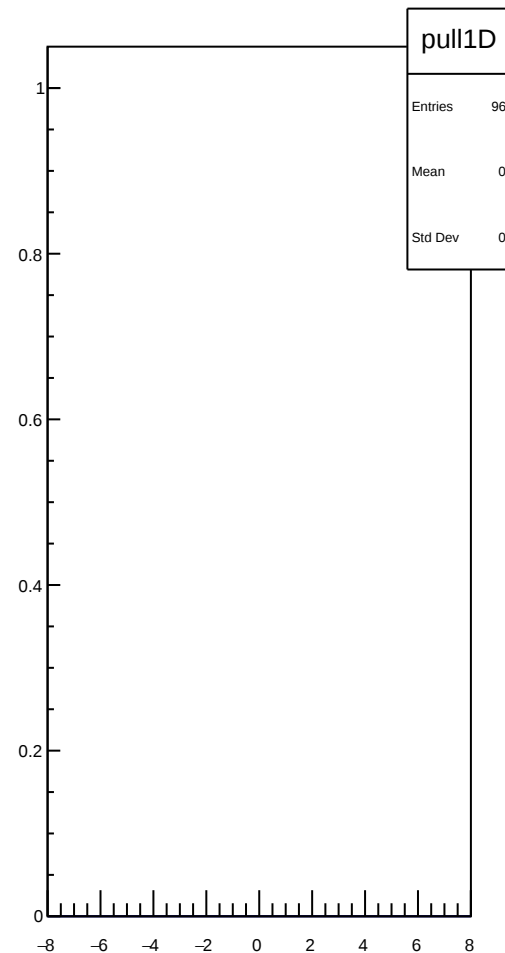
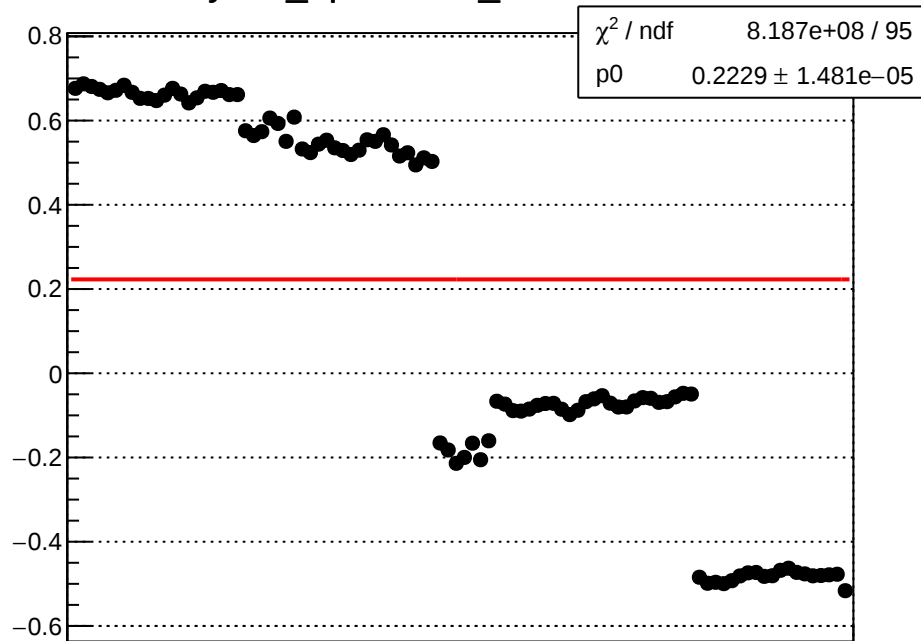
yield_bpm0i01aY_mean vs run



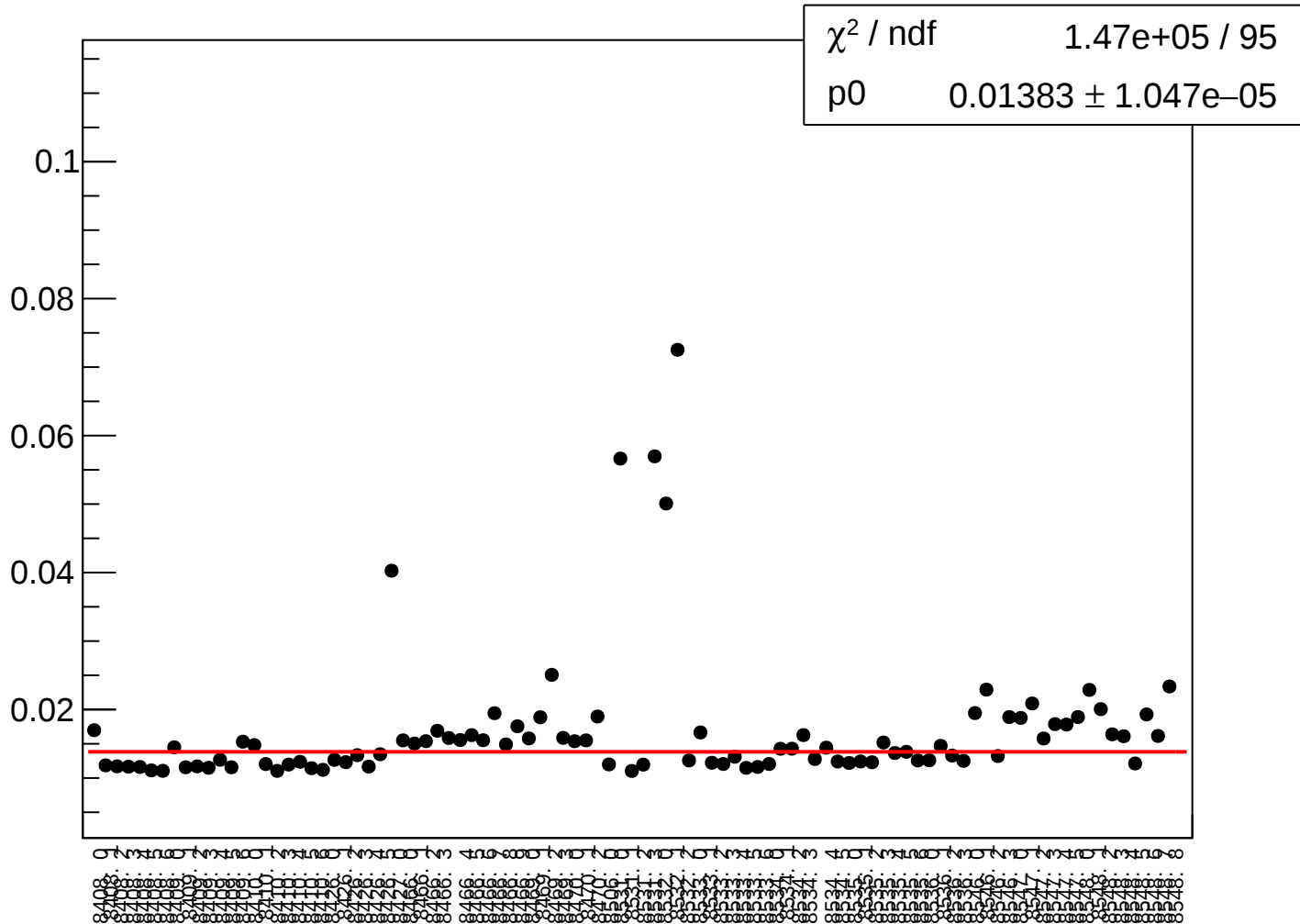
yield_bpm0i01aY_rms vs run



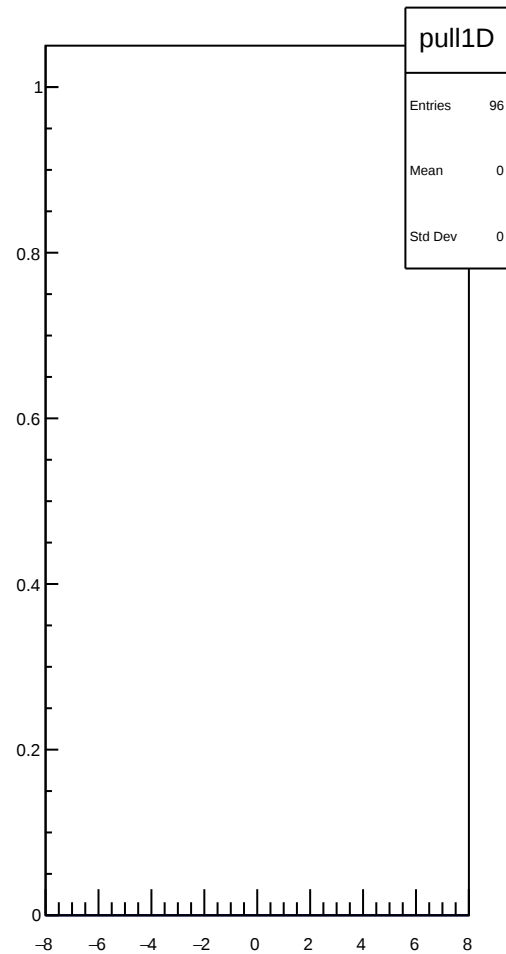
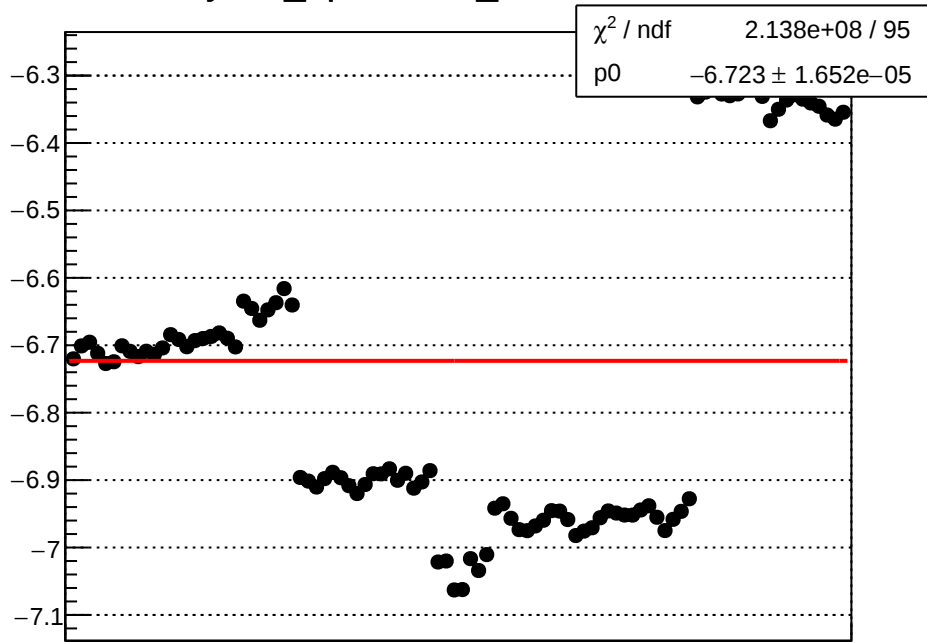
yield_bpm0l01X_mean vs run



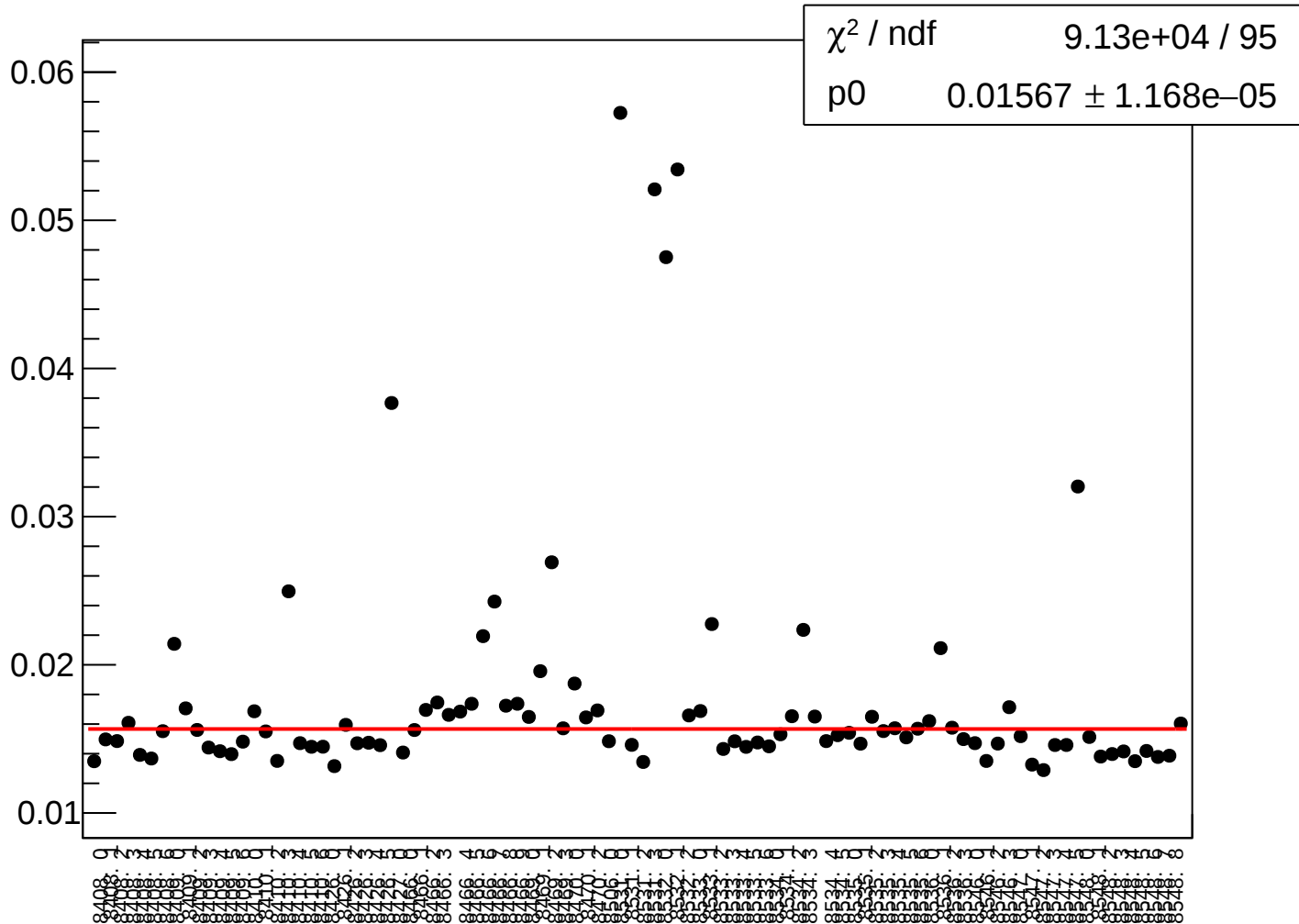
yield_bpm0l01X_rms vs run



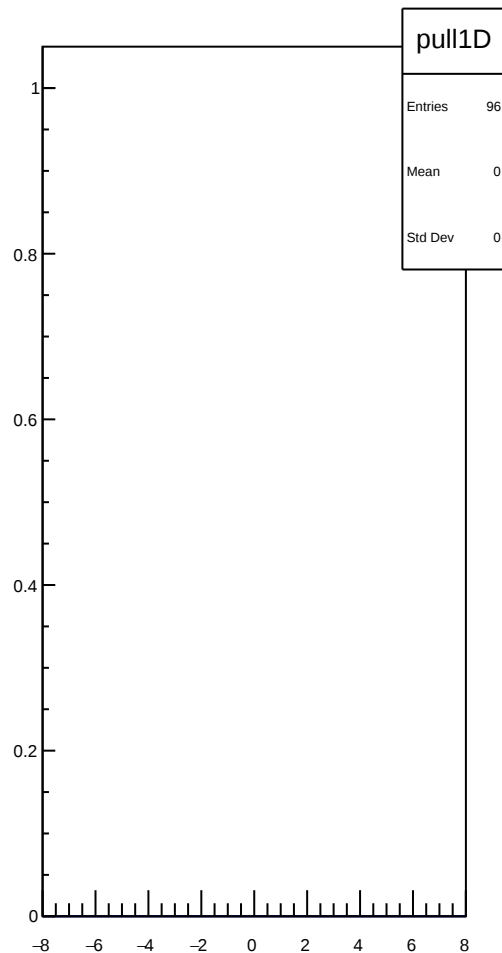
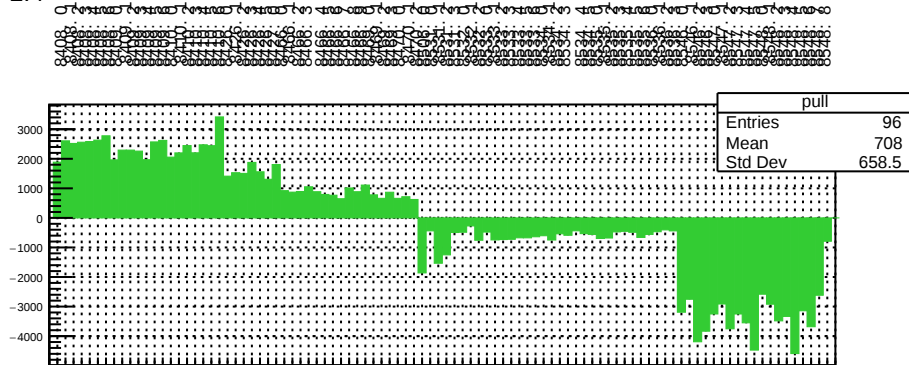
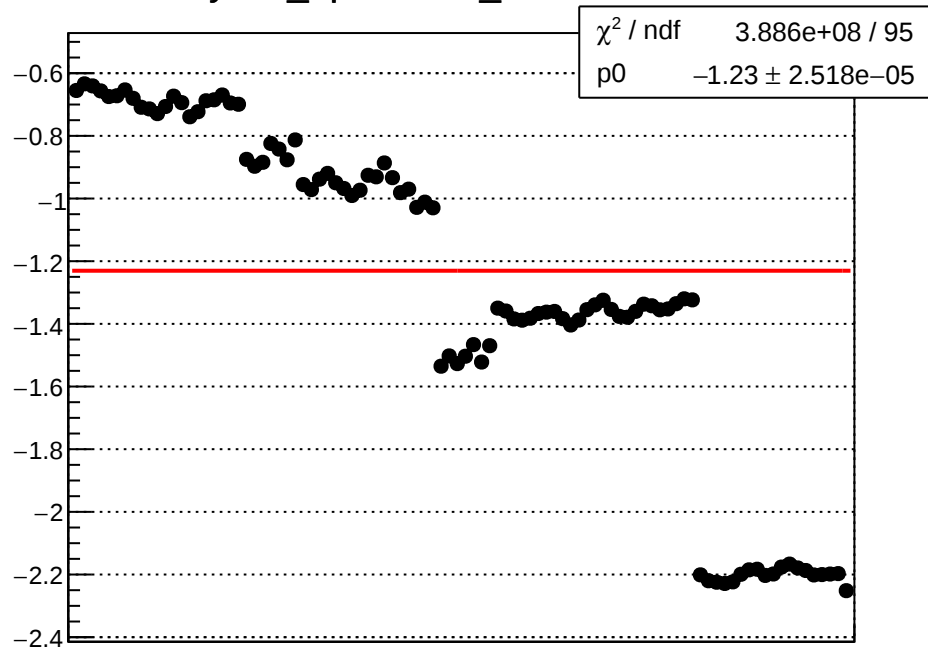
yield_bpm0l01Y_mean vs run



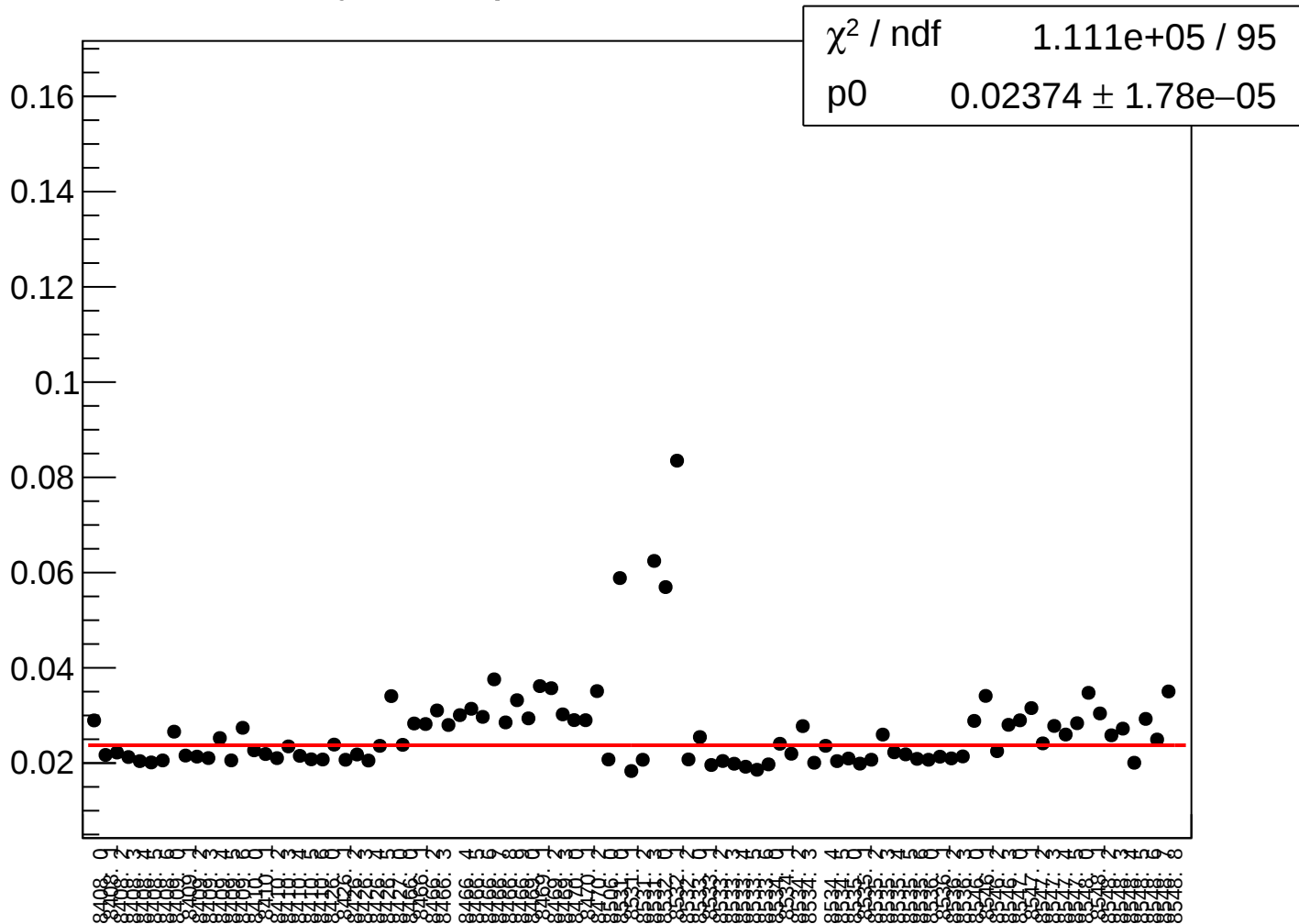
yield_bpm0l01Y_rms vs run



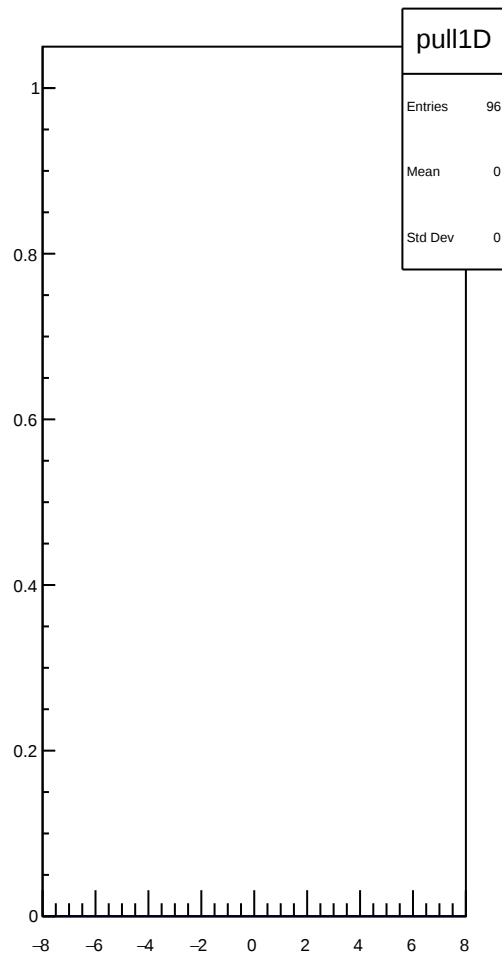
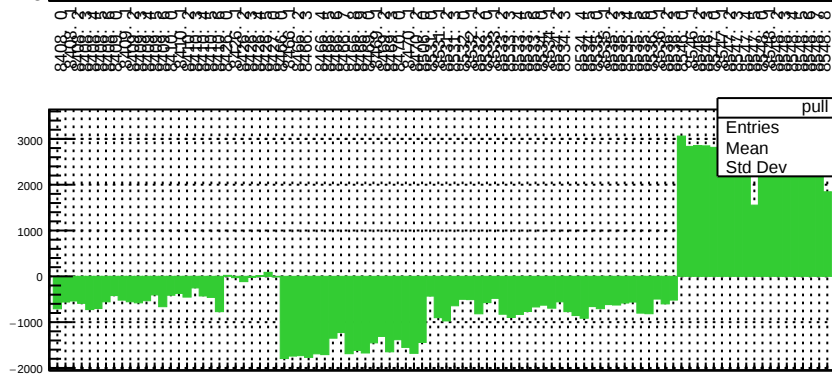
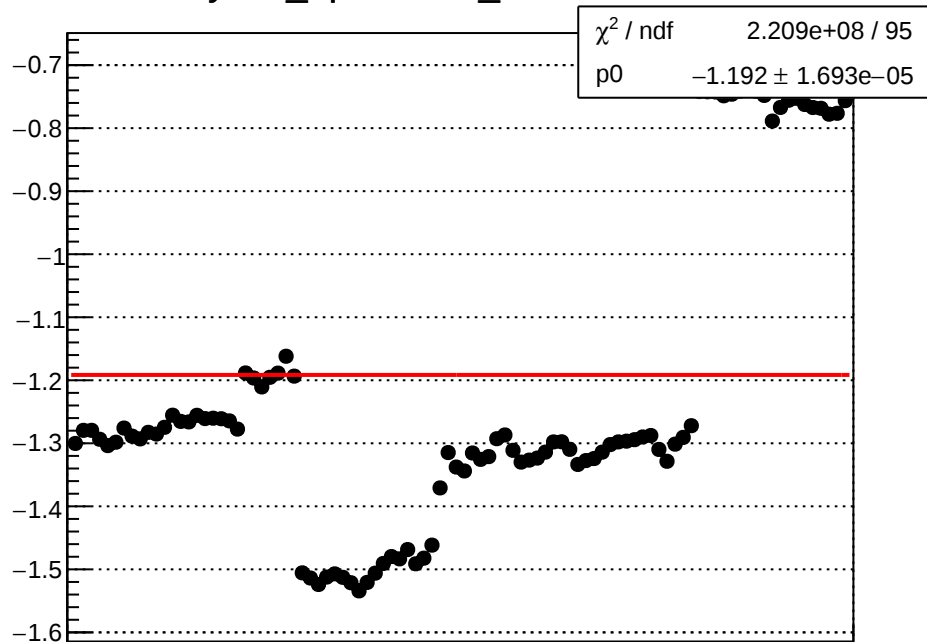
yield_bpm0l02X_mean vs run



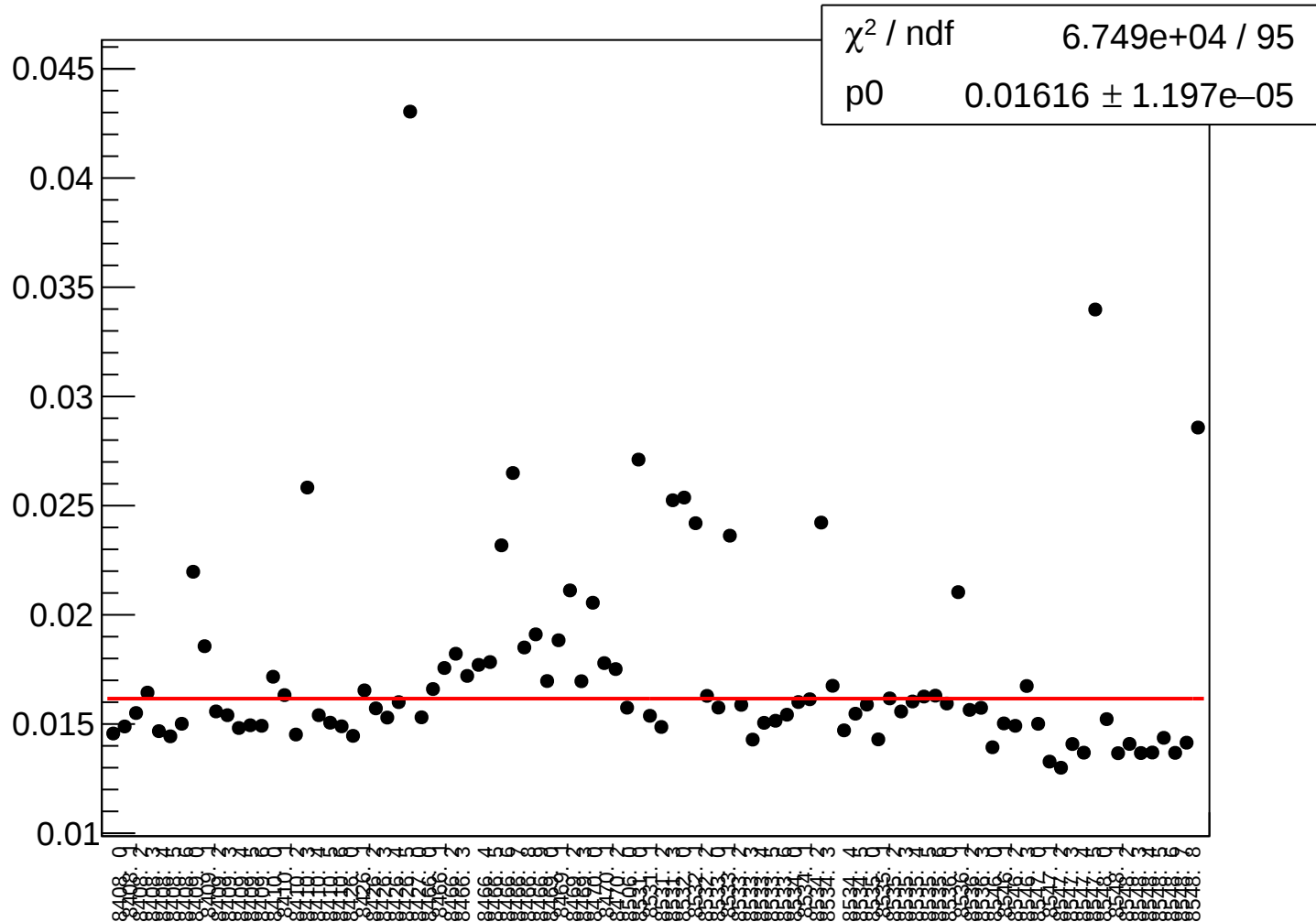
yield_bpm0l02X_rms vs run



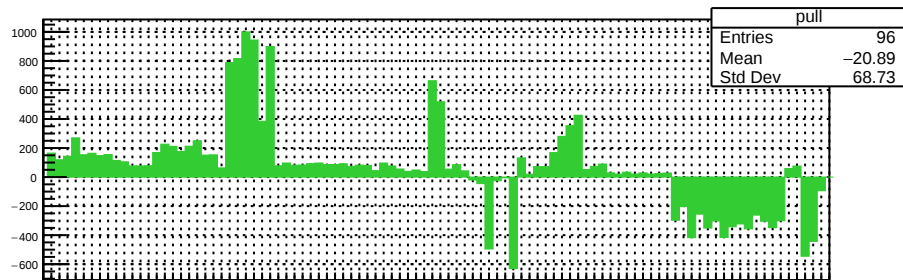
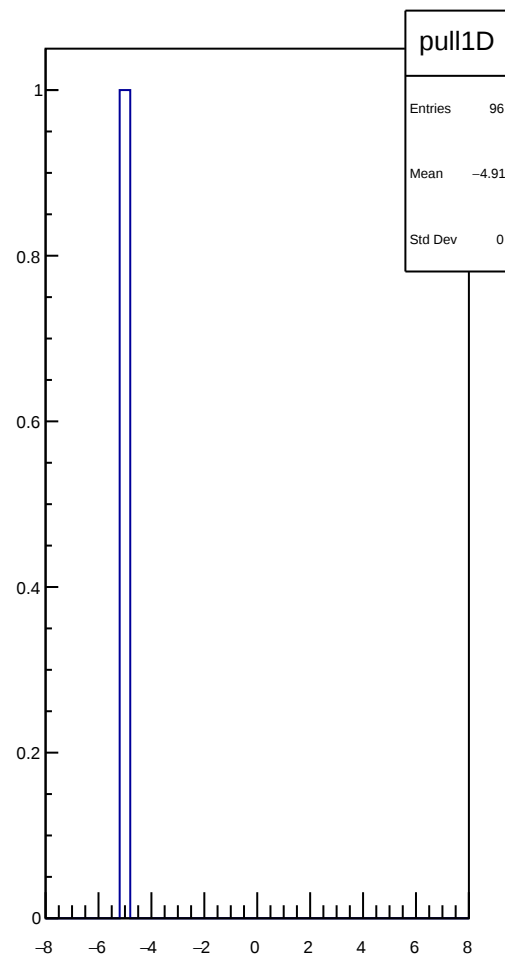
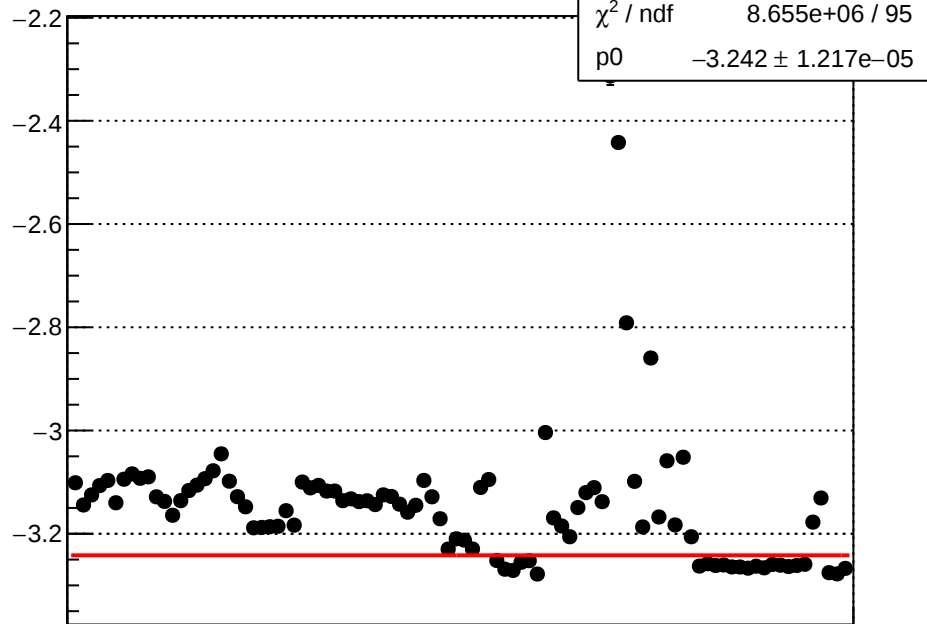
yield_bpm0l02Y_mean vs run



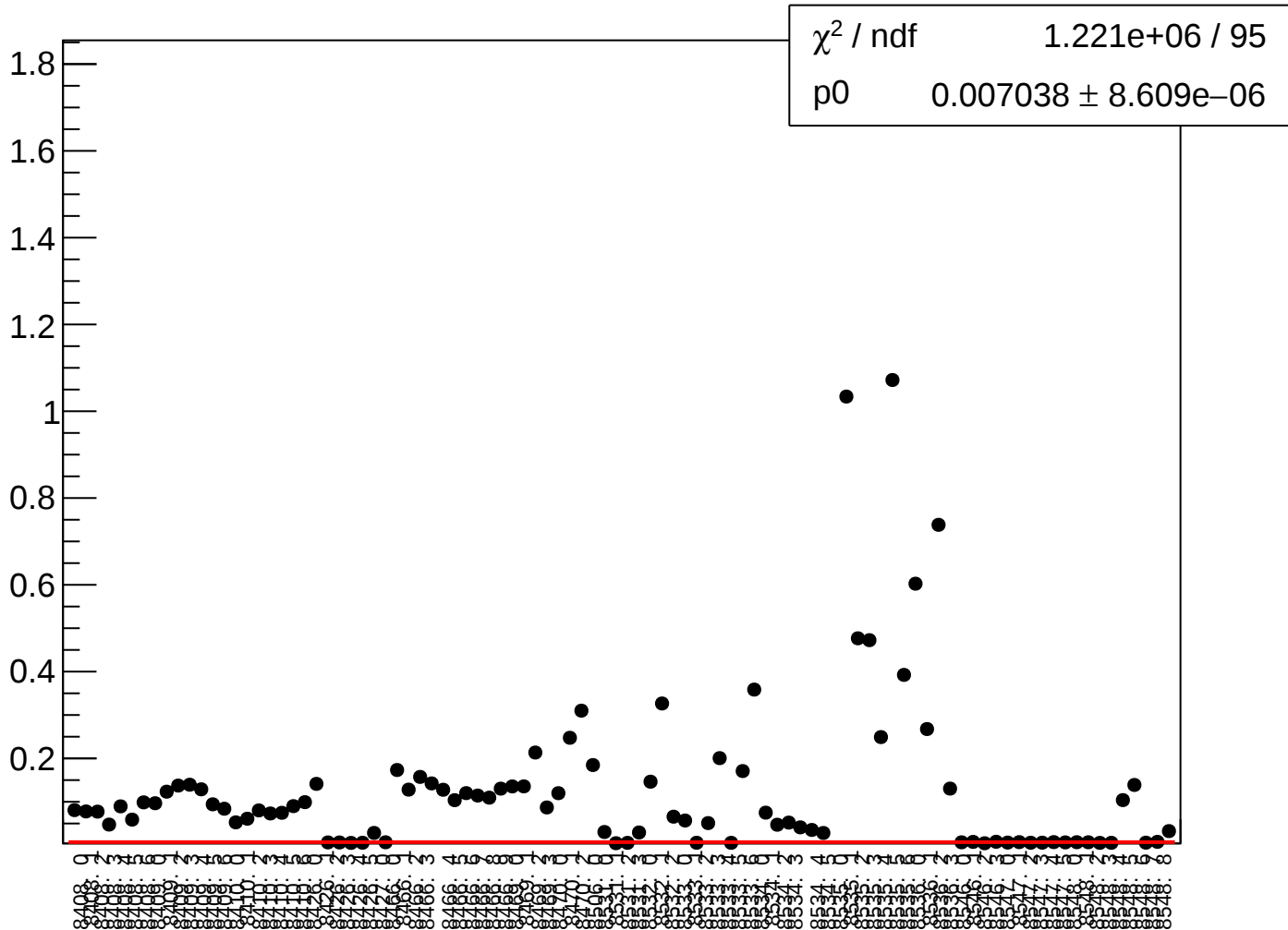
yield_bpm0l02Y_rms vs run



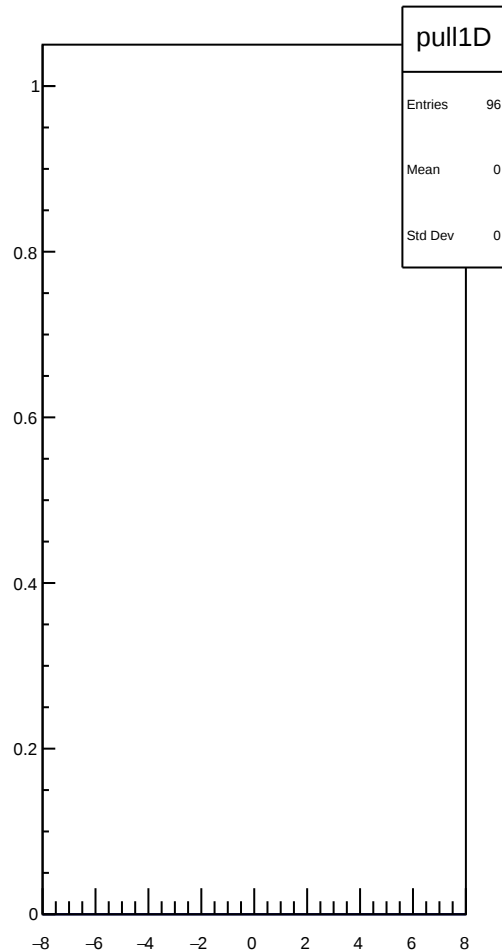
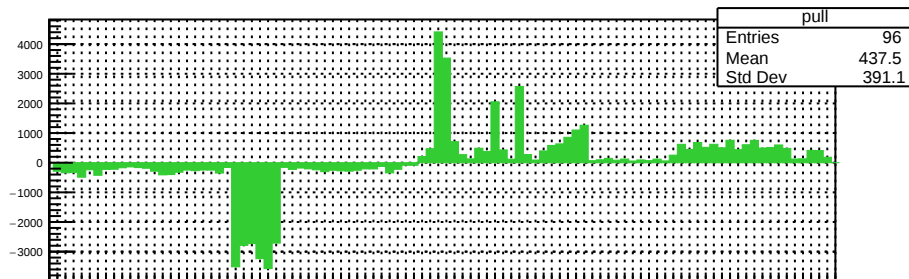
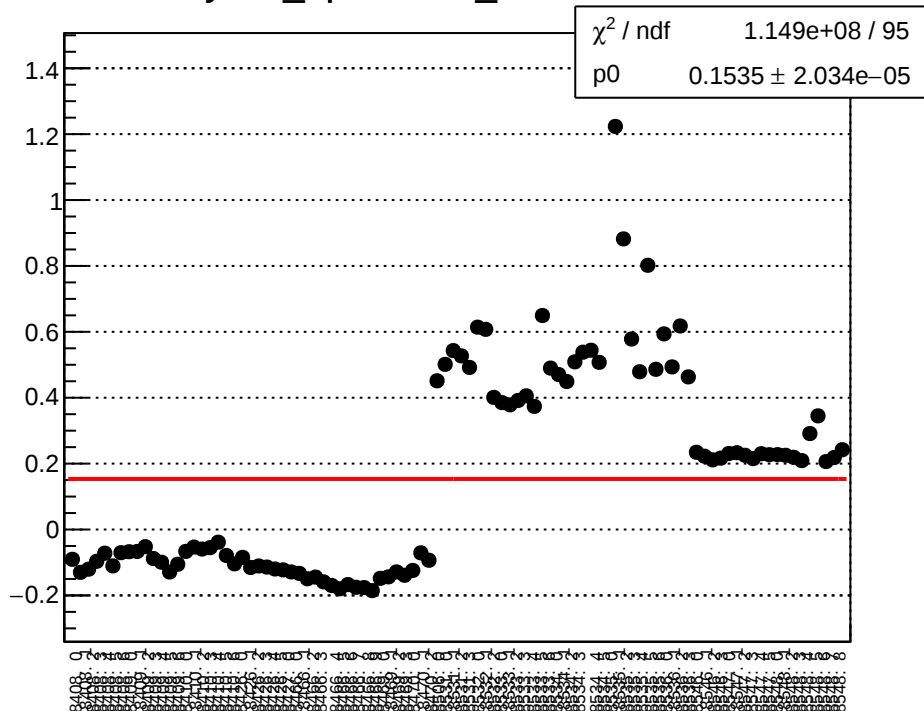
yield_bpm0l03X_mean vs run



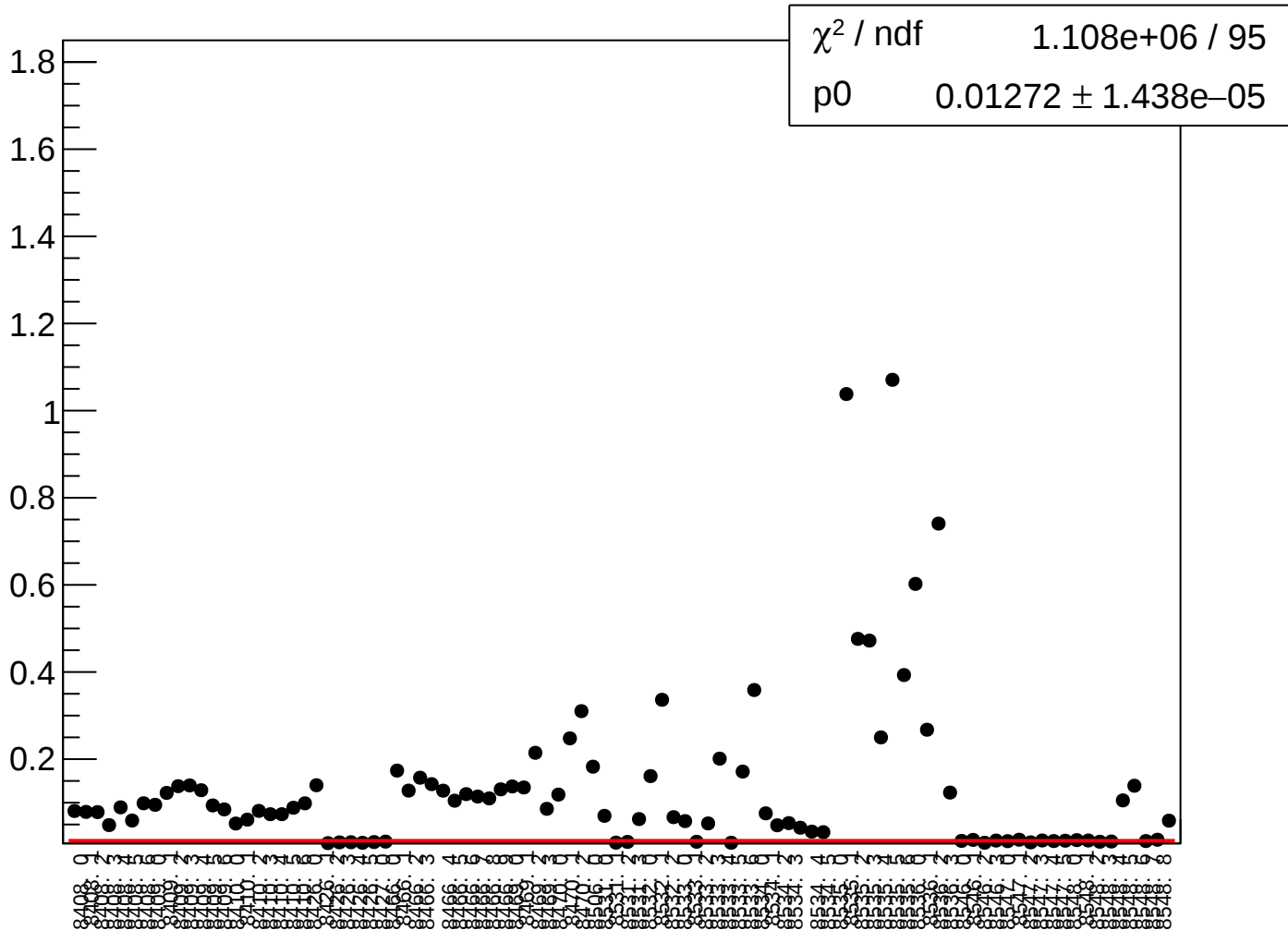
yield_bpm0l03X_rms vs run



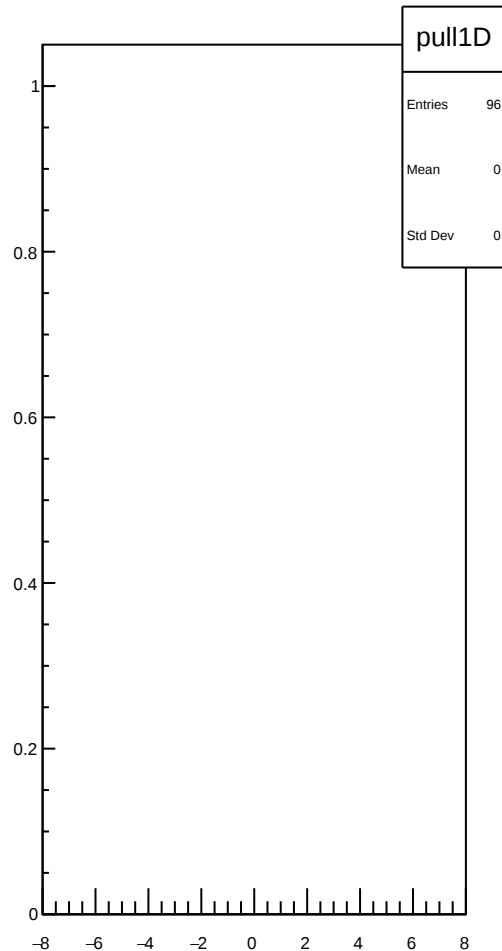
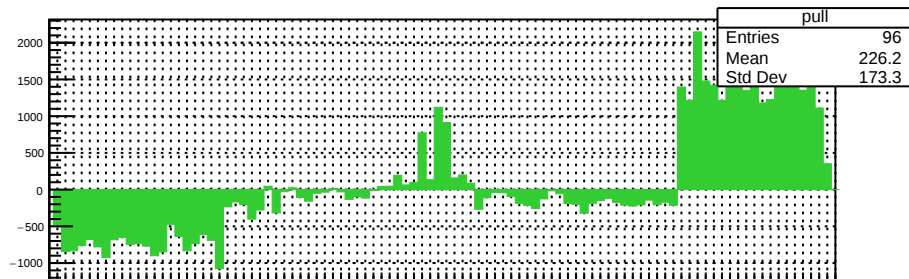
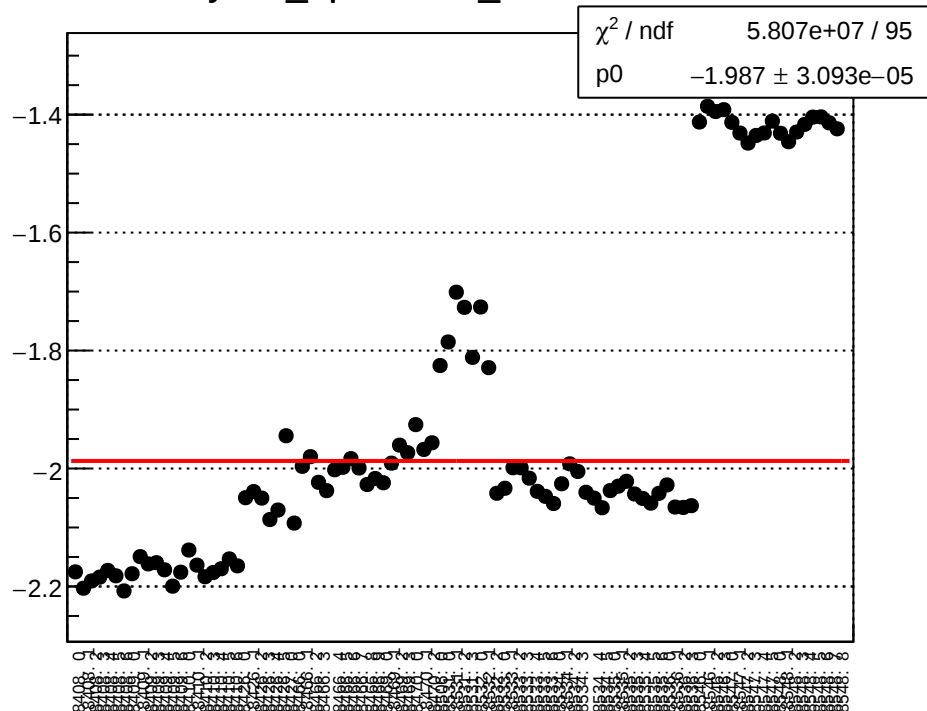
yield_bpm0l03Y_mean vs run



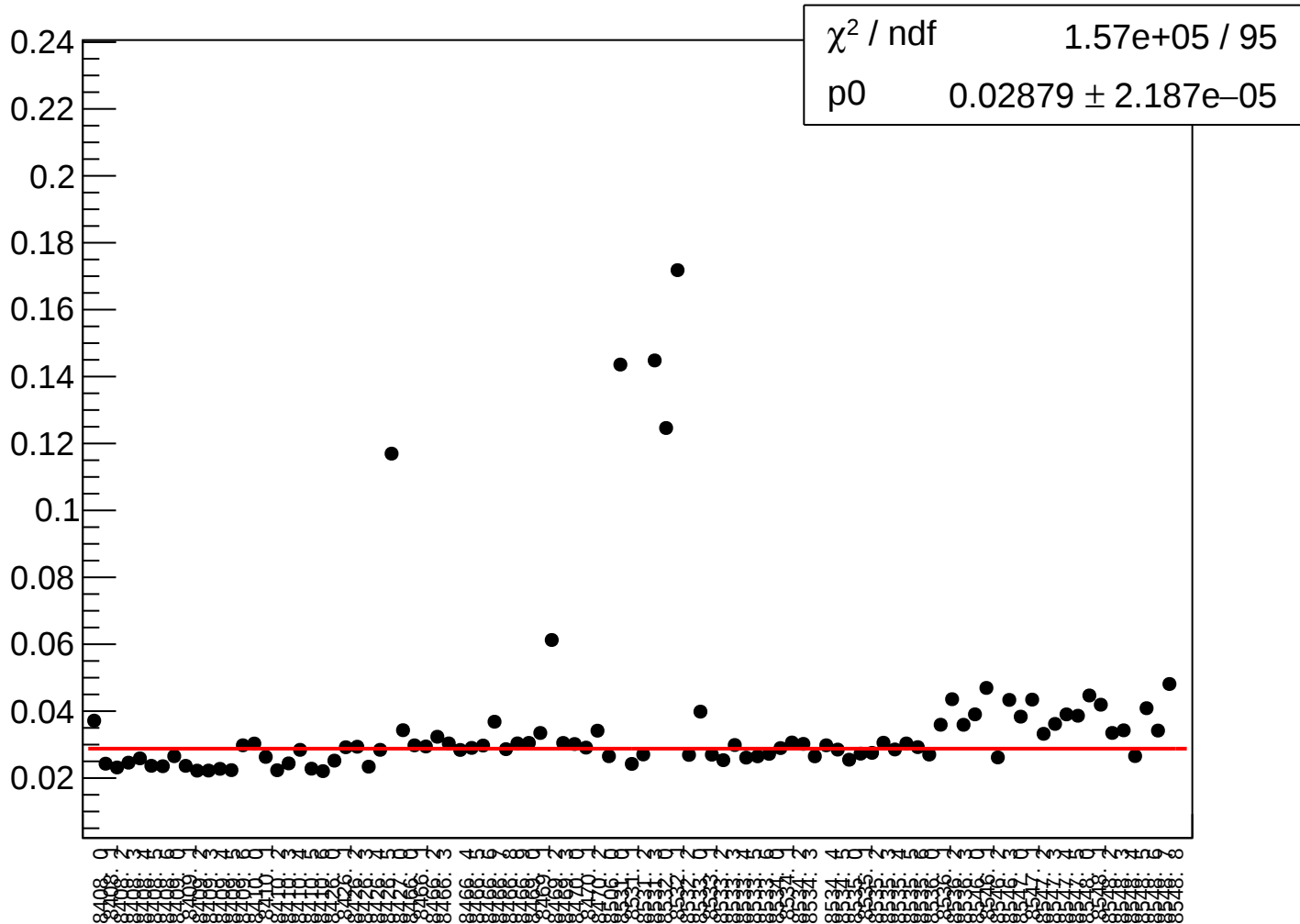
yield_bpm0l03Y_rms vs run



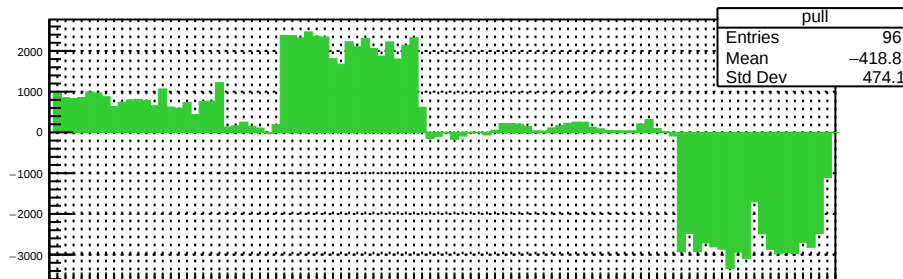
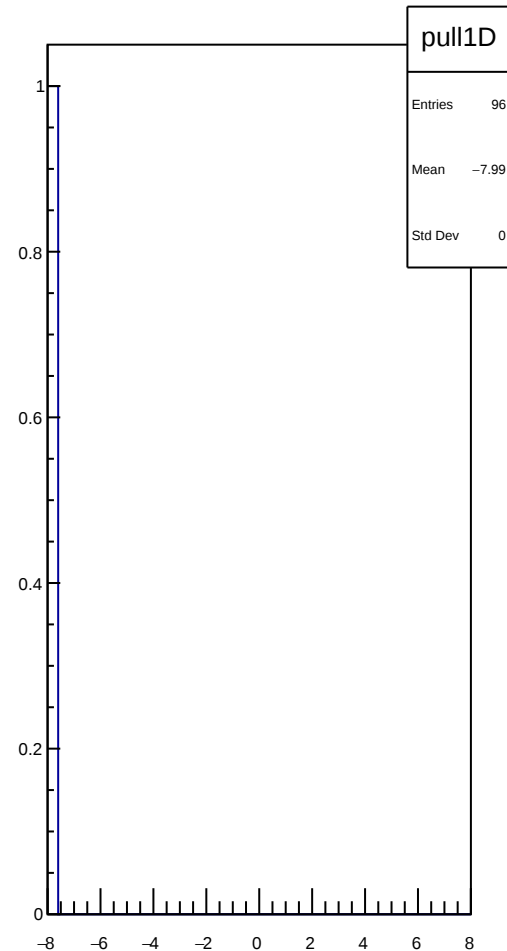
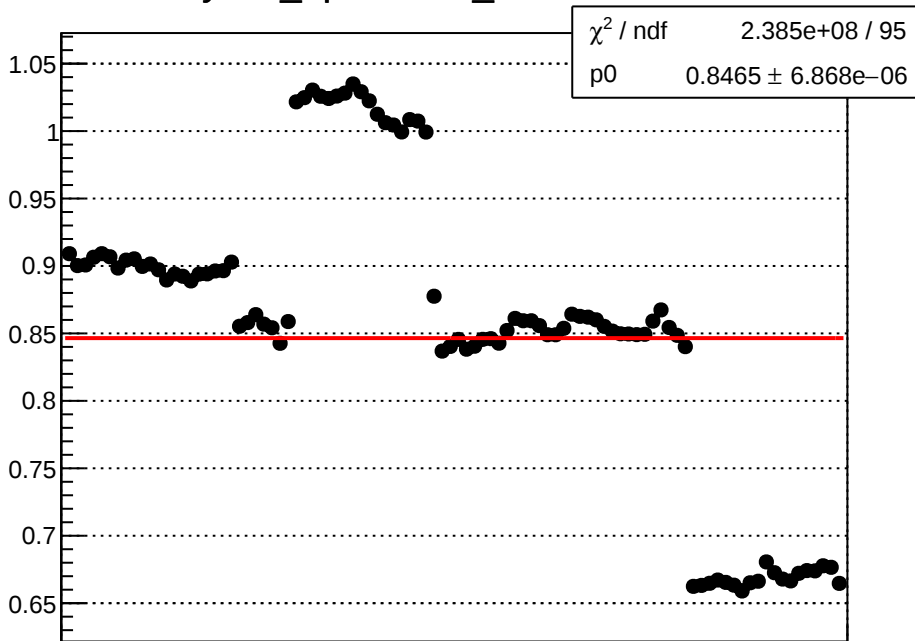
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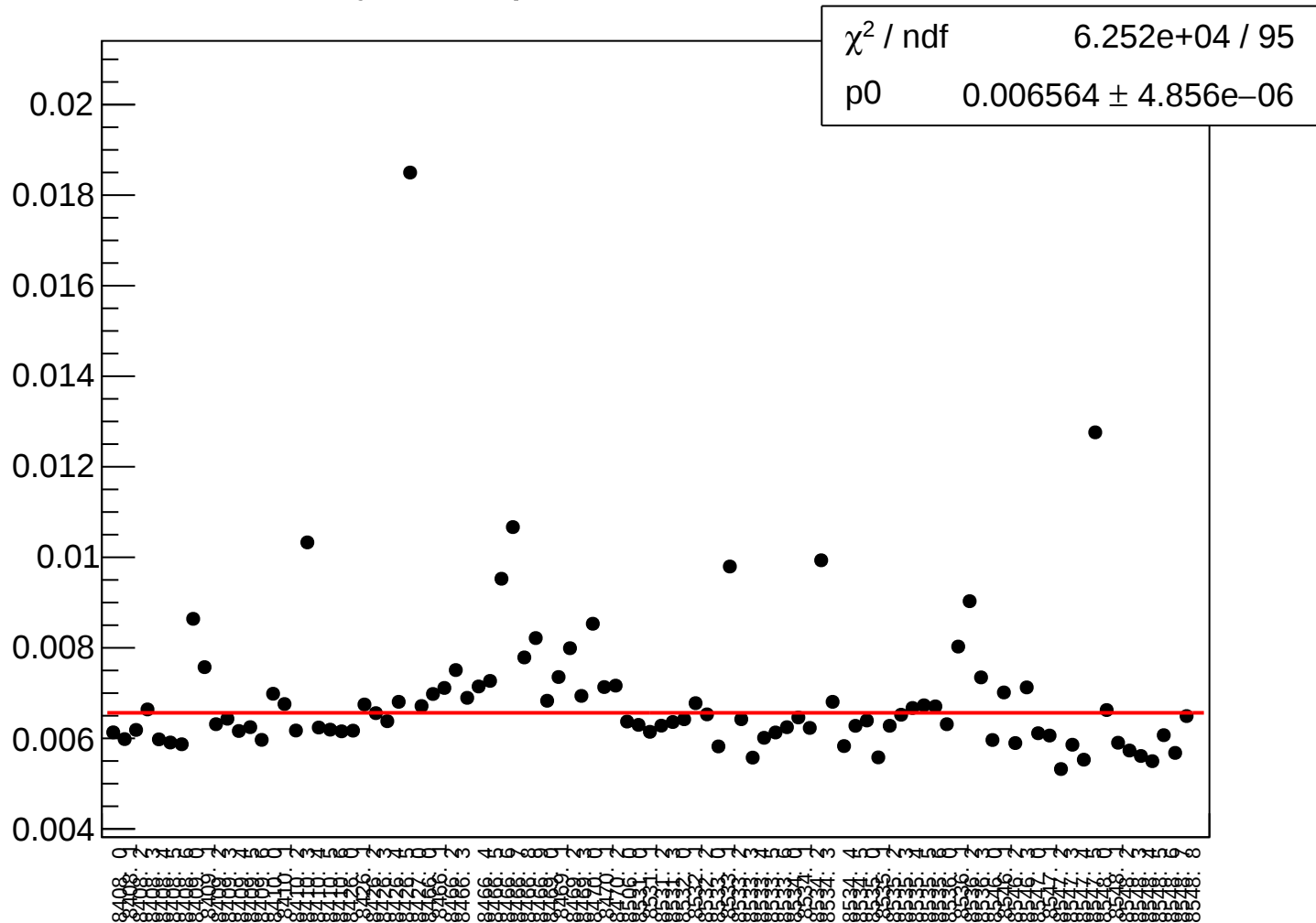
yield_bpm0l04X_rms vs run



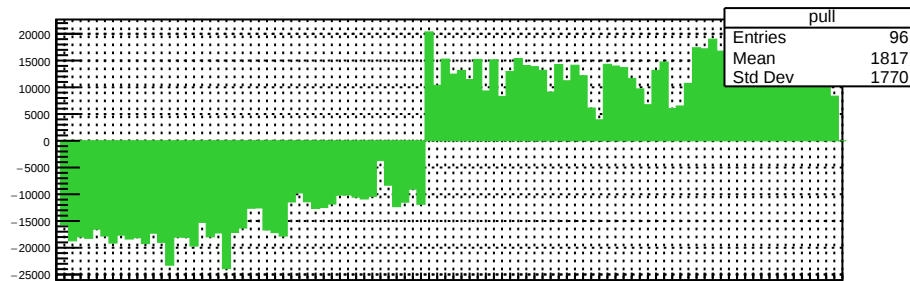
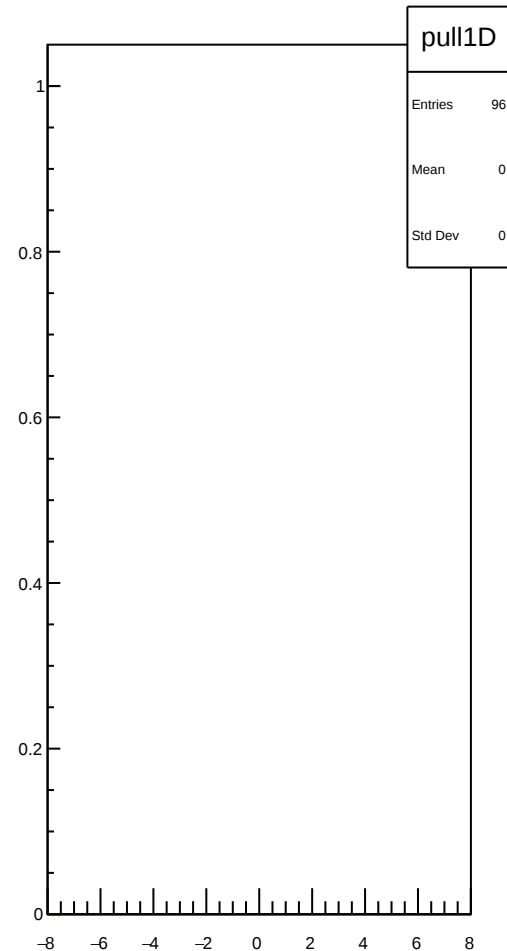
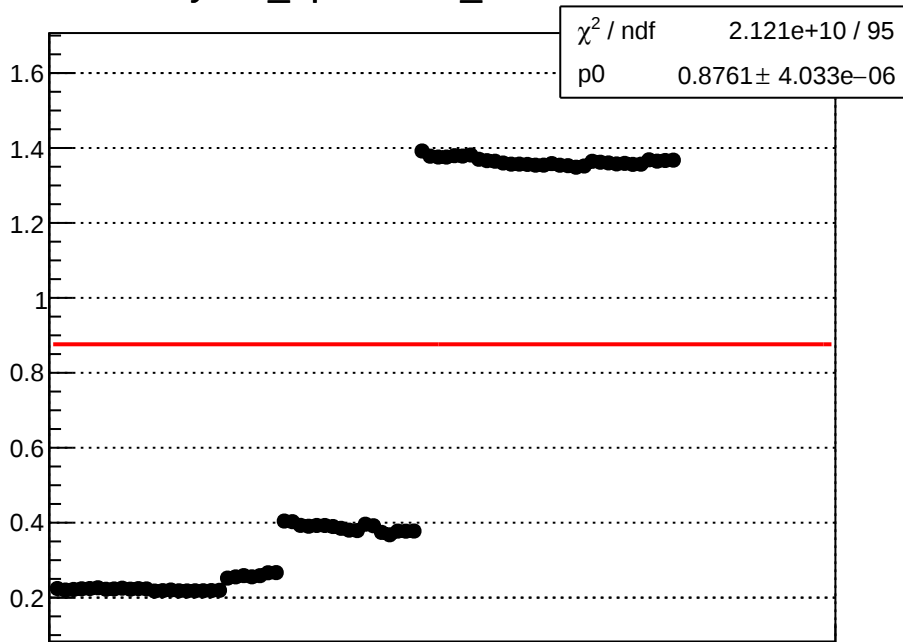
yield_bpm0l04Y_mean vs run



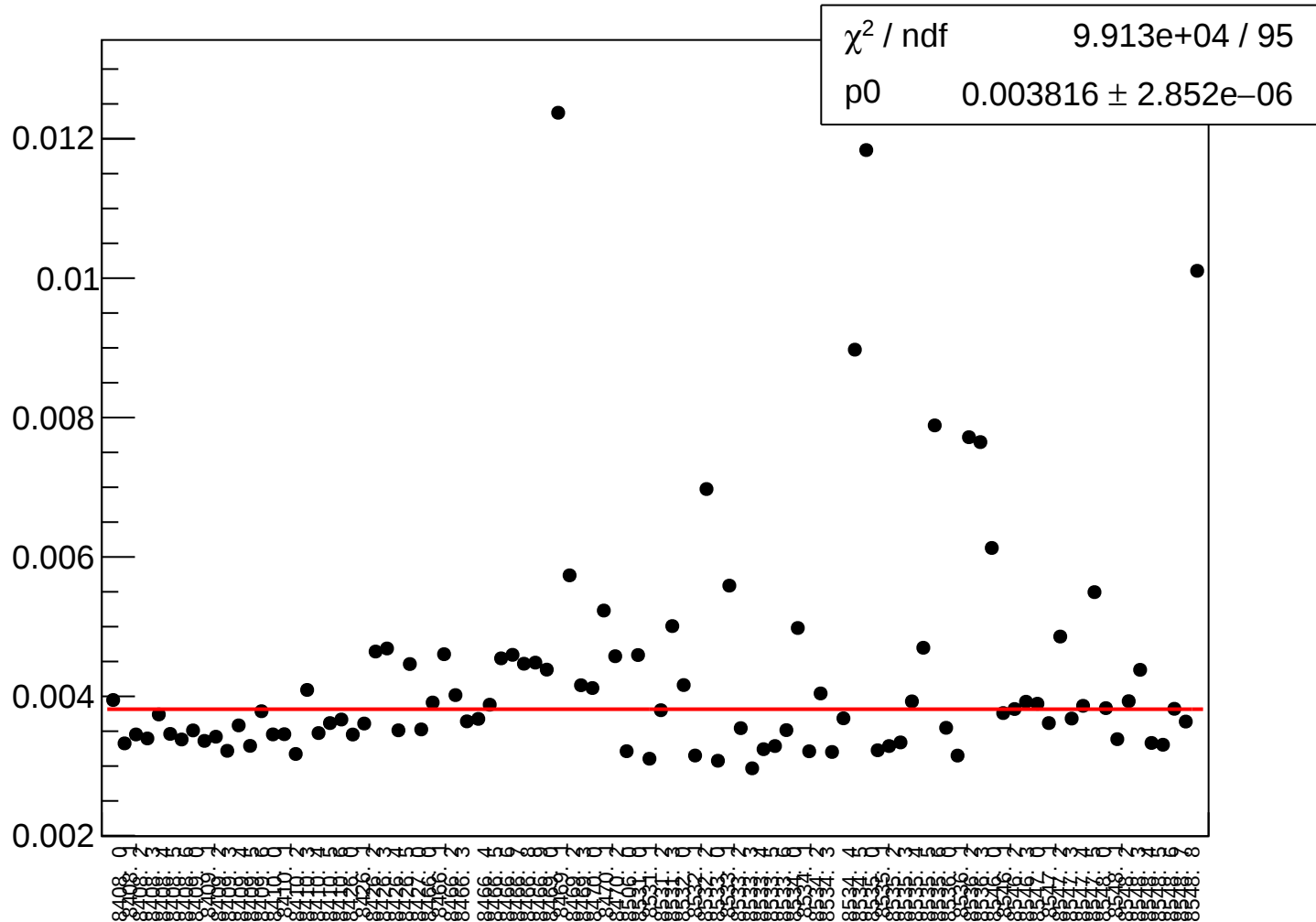
yield_bpm0l04Y_rms vs run



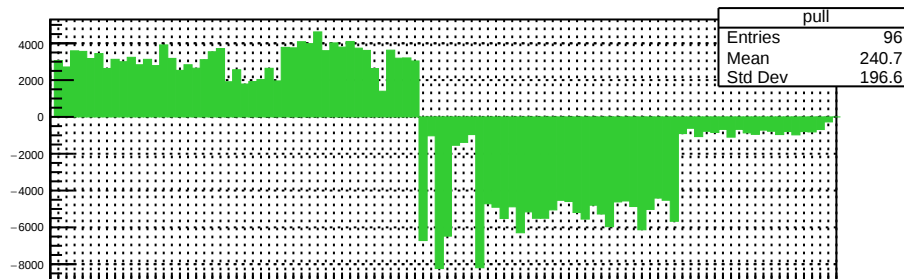
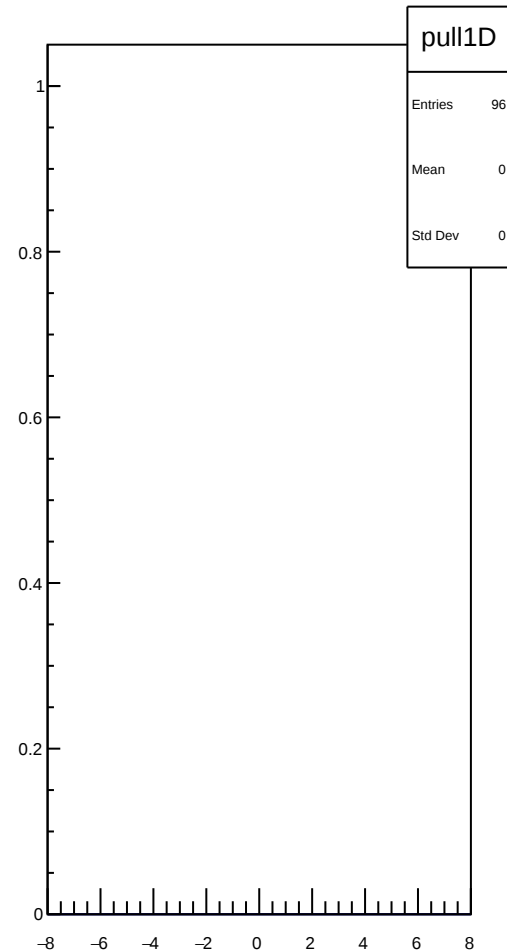
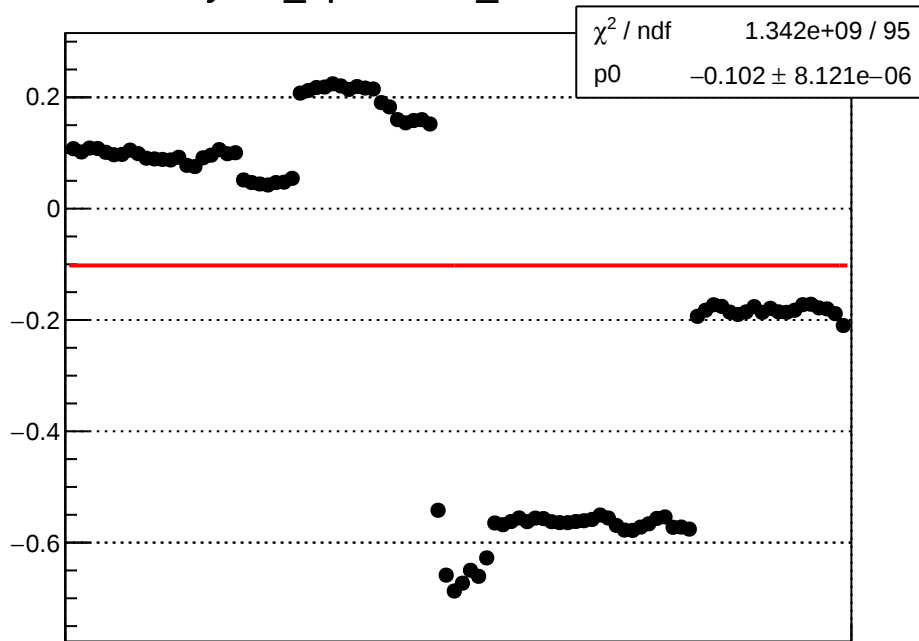
yield_bpm0l05X_mean vs run



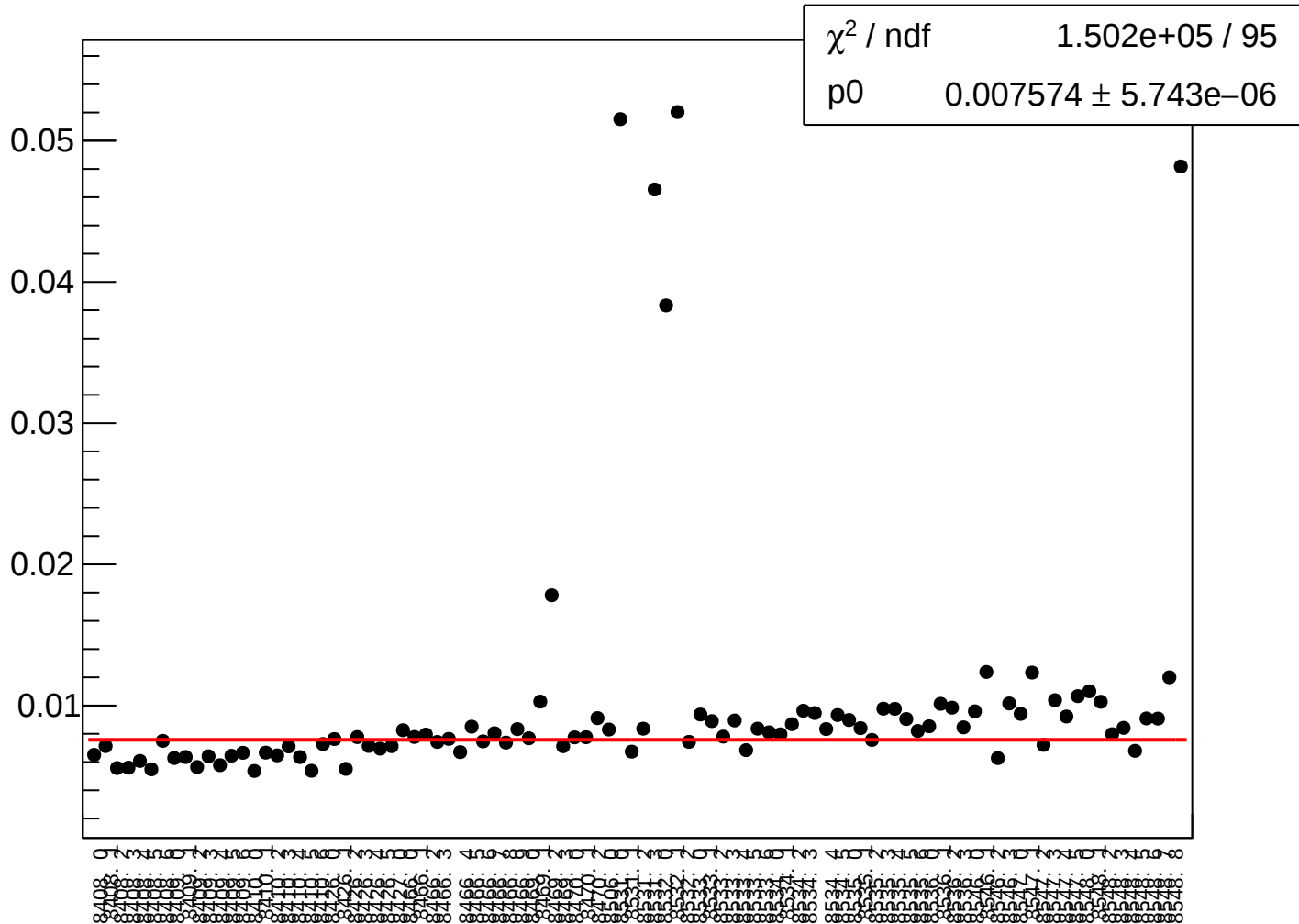
yield_bpm0l05X_rms vs run



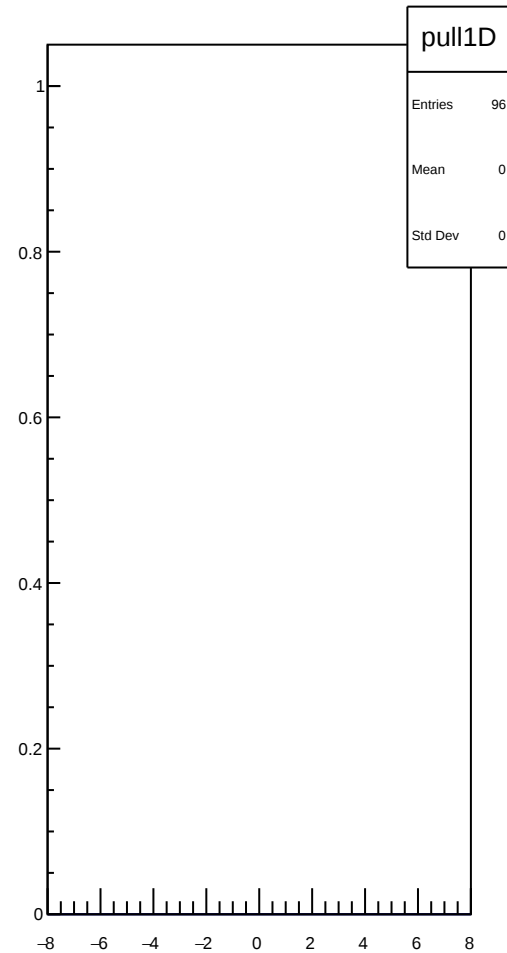
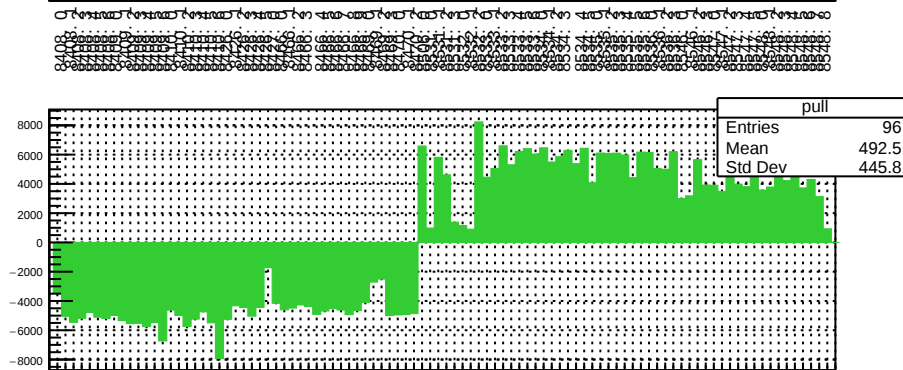
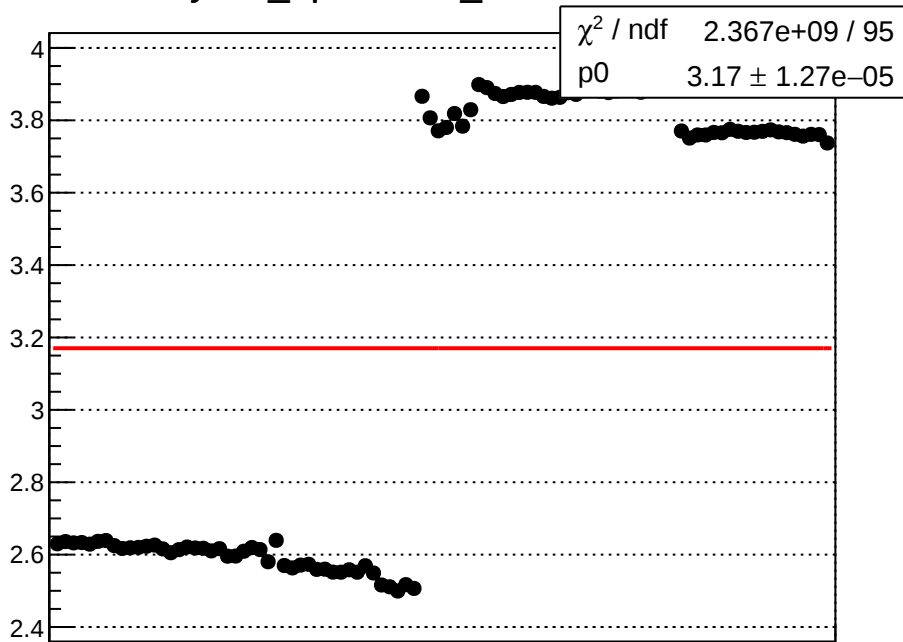
yield_bpm0l05Y_mean vs run



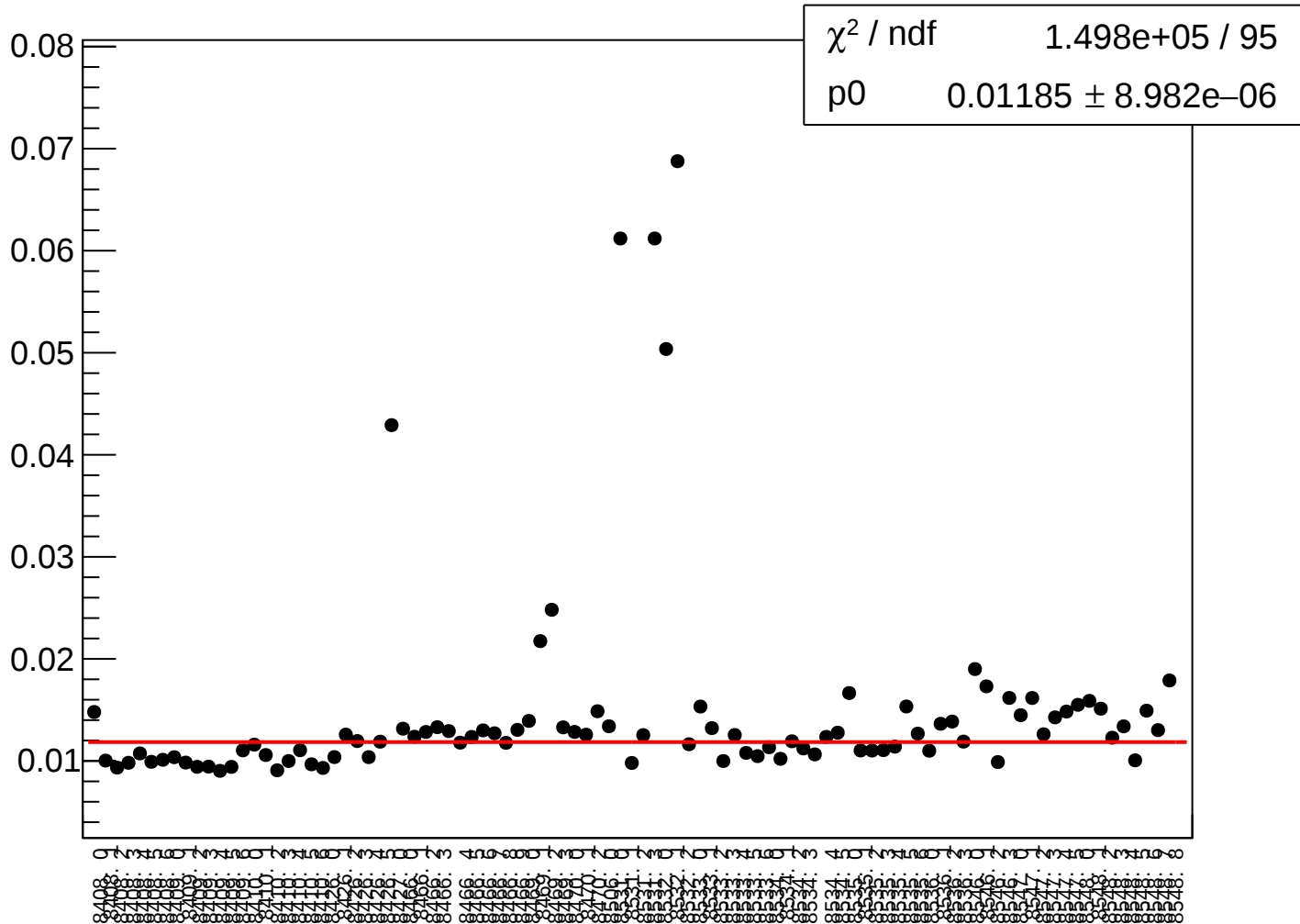
yield_bpm0l05Y_rms vs run



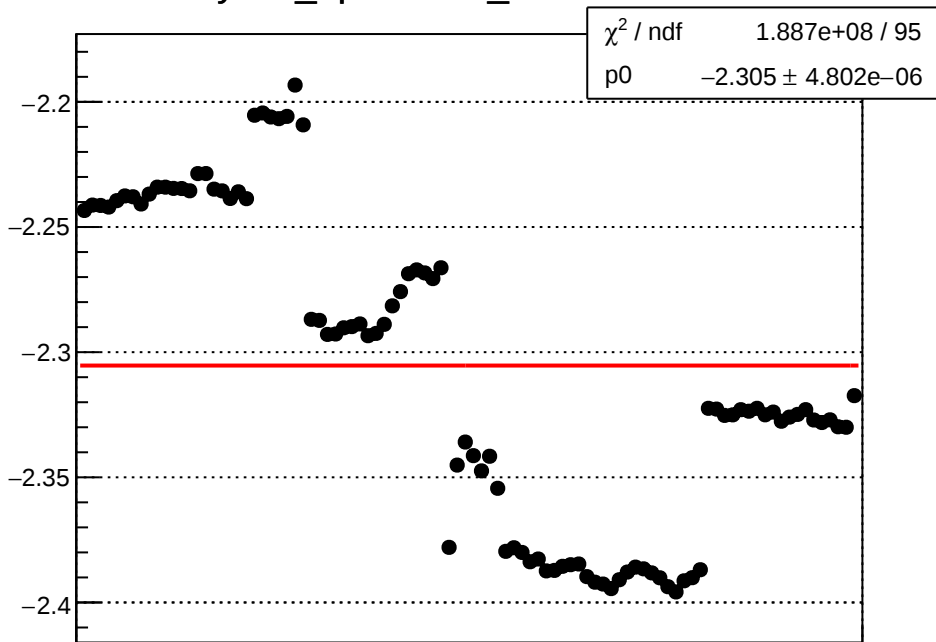
yield_bpm0l06X_mean vs run



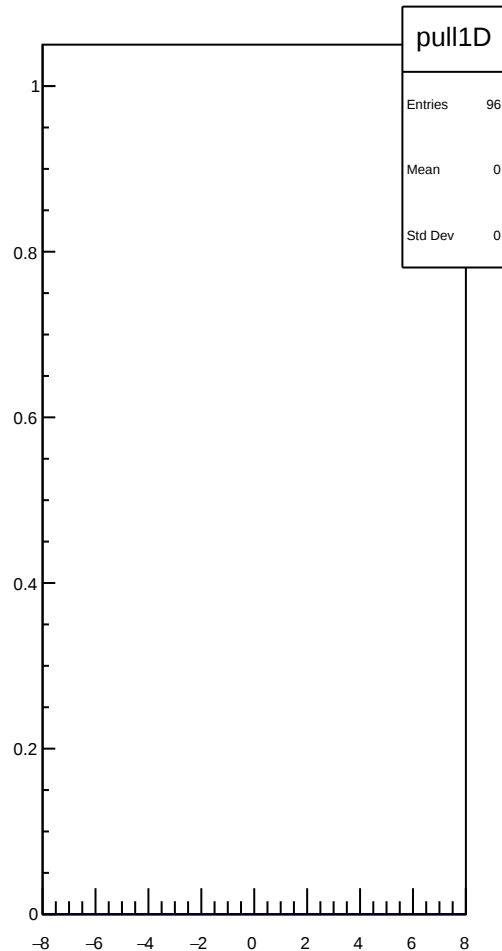
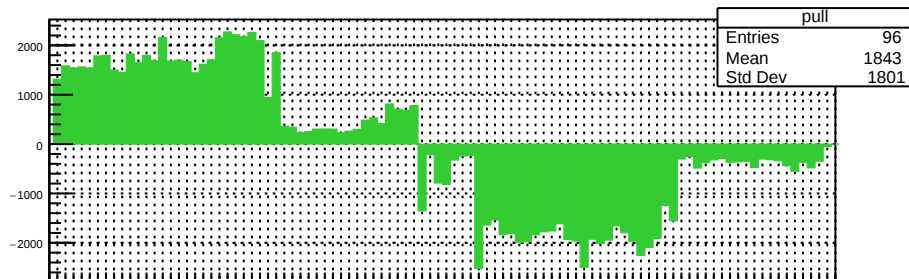
yield_bpm0l06X_rms vs run



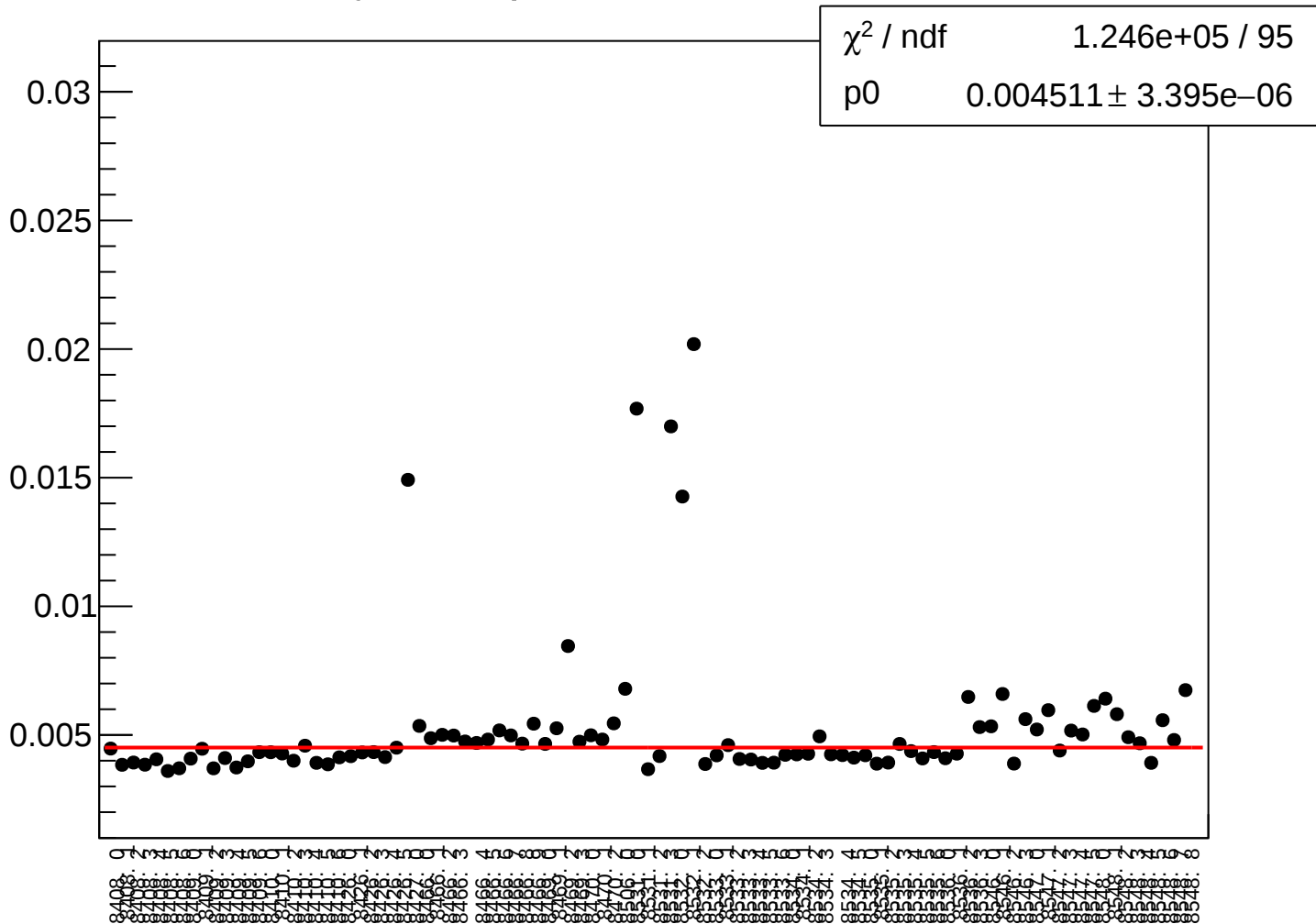
yield_bpm0l06Y_mean vs run



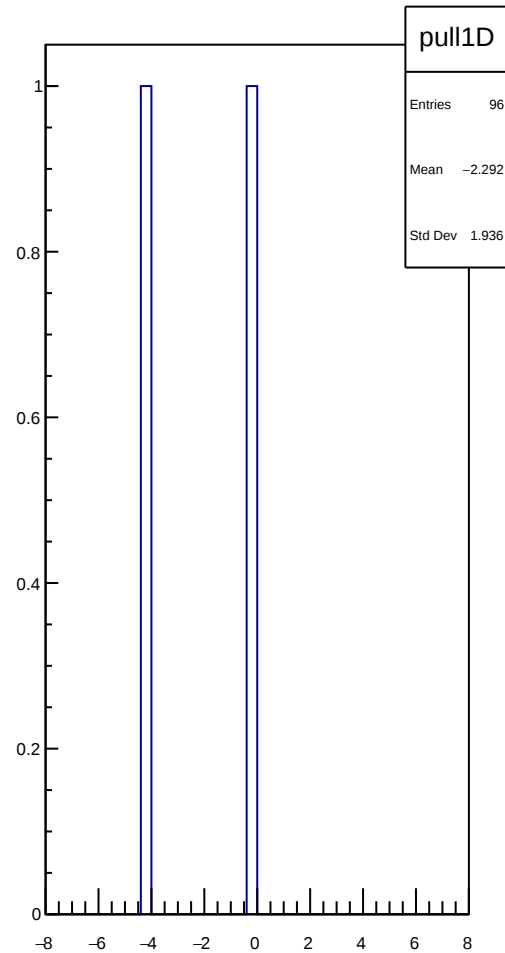
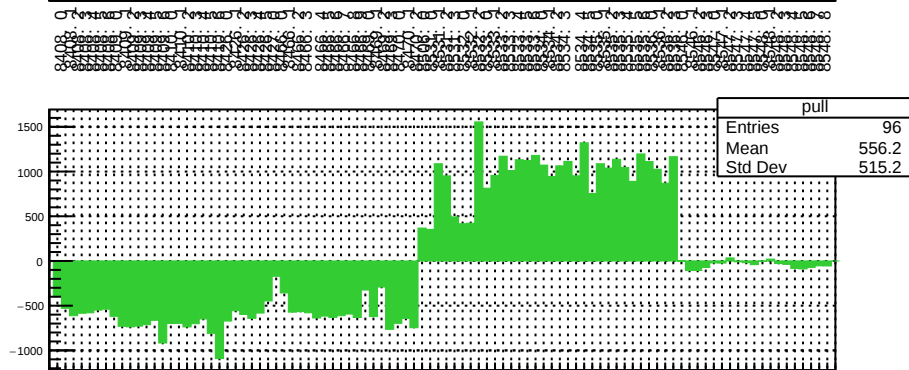
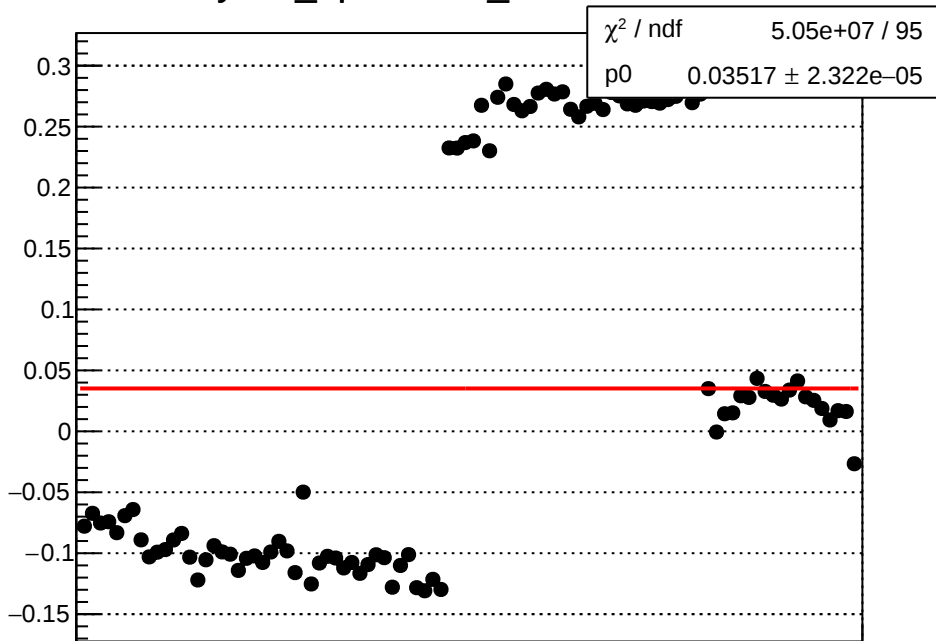
Correlation Coefficient: 0.9999999999999999
 Pearson's Chi-Square Statistic: 1.887e+08
 Degrees of Freedom: 95
 P-Value: 0.0000000000000000



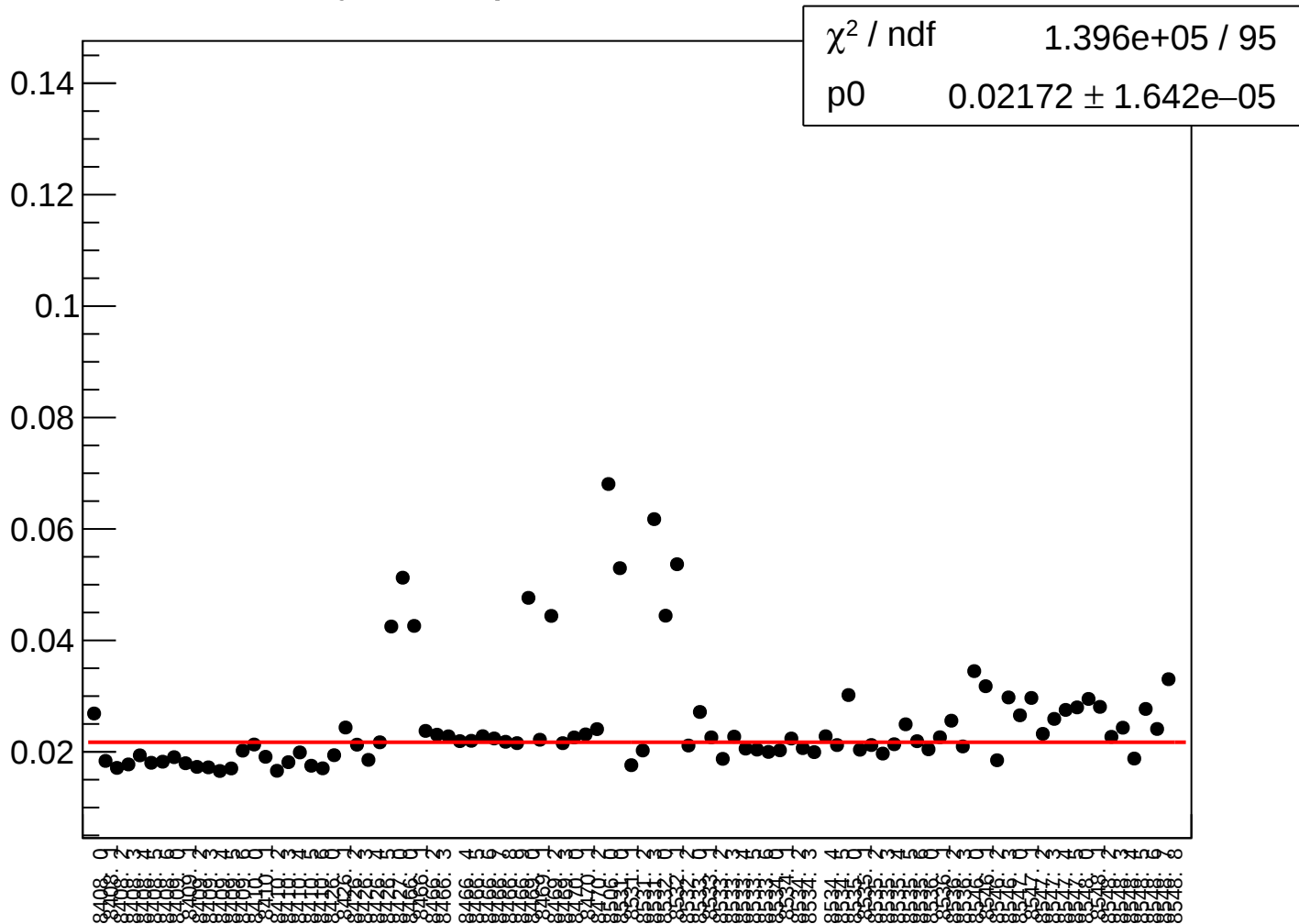
yield_bpm0l06Y_rms vs run



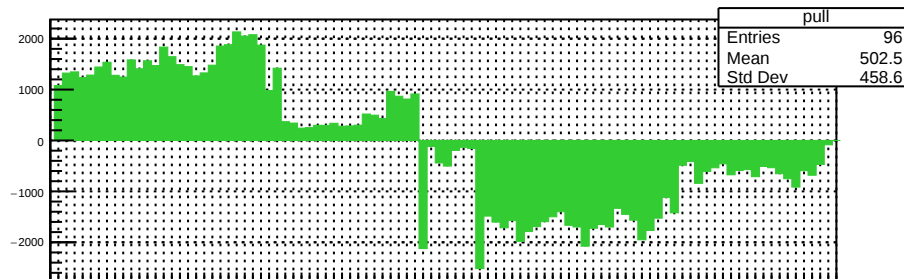
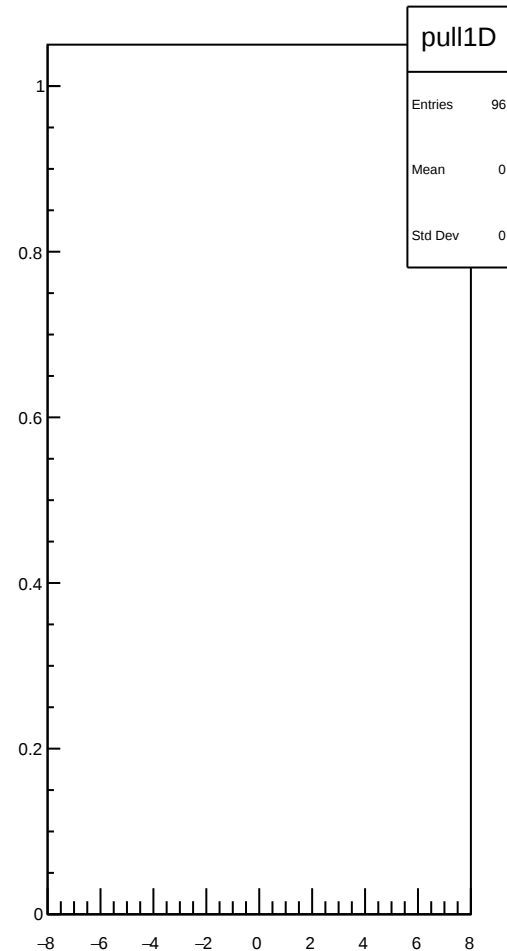
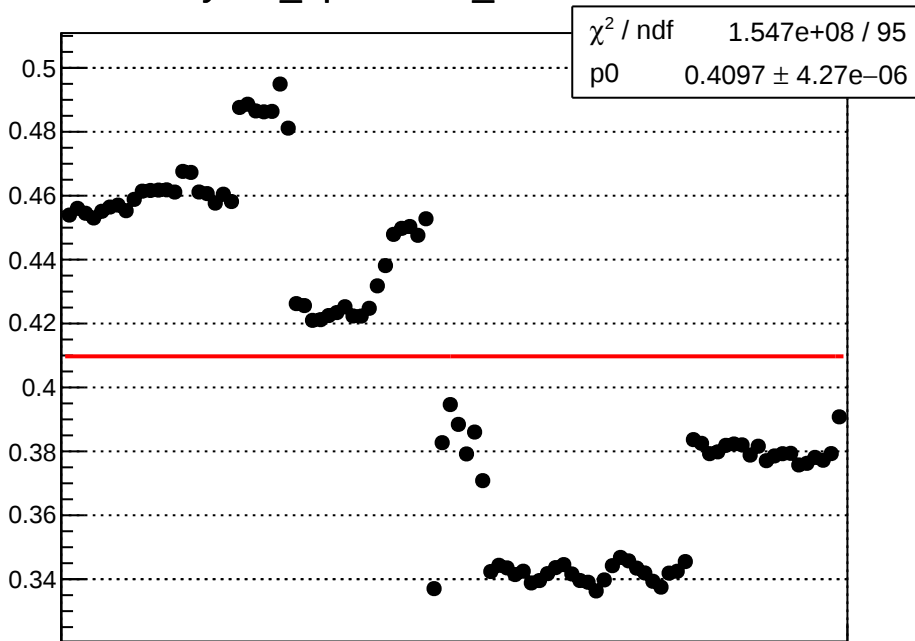
yield_bpm0l07X_mean vs run



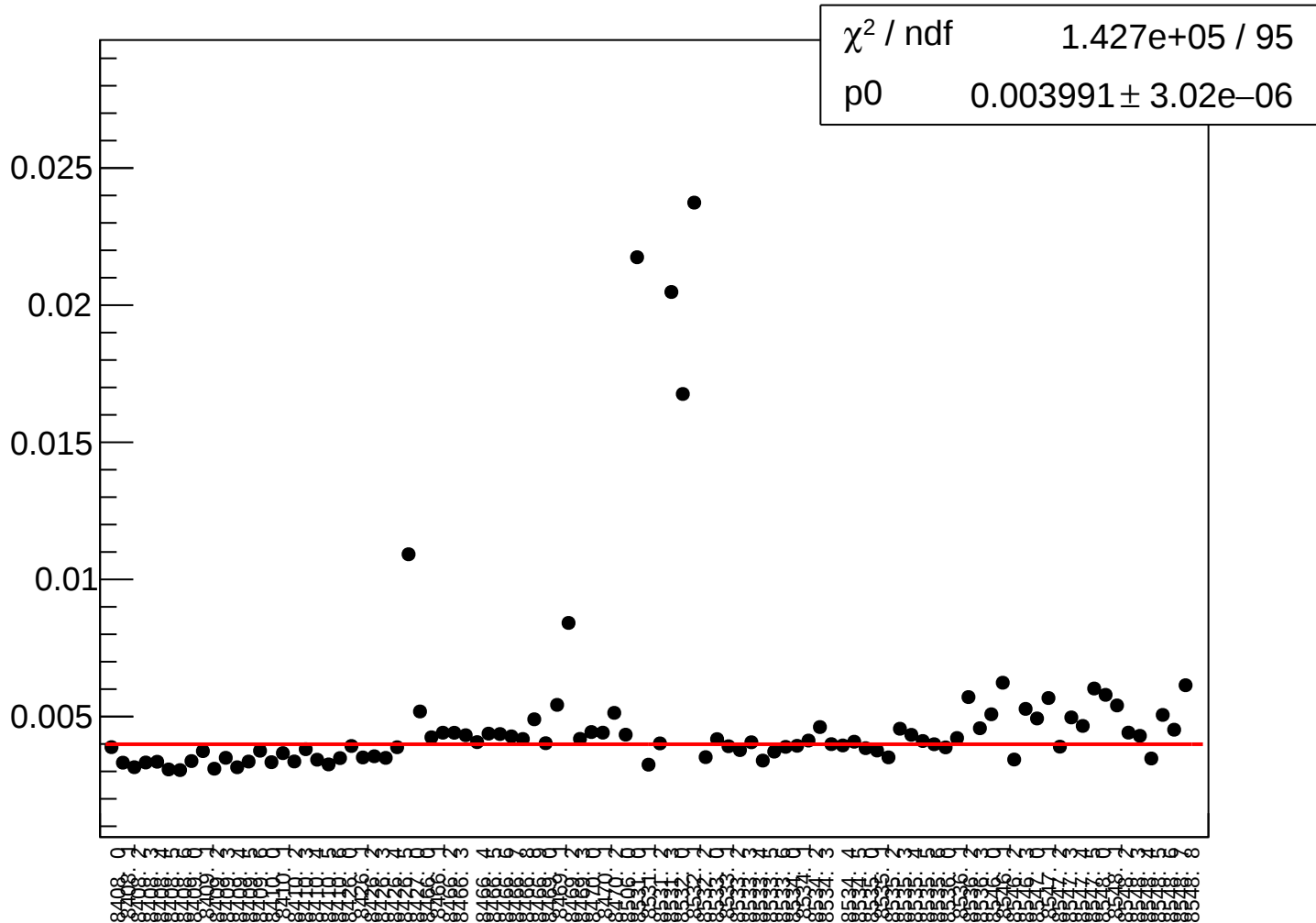
yield_bpm0l07X_rms vs run



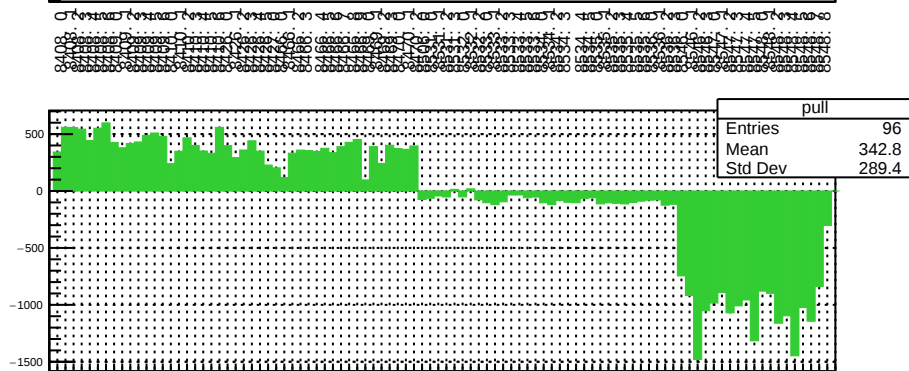
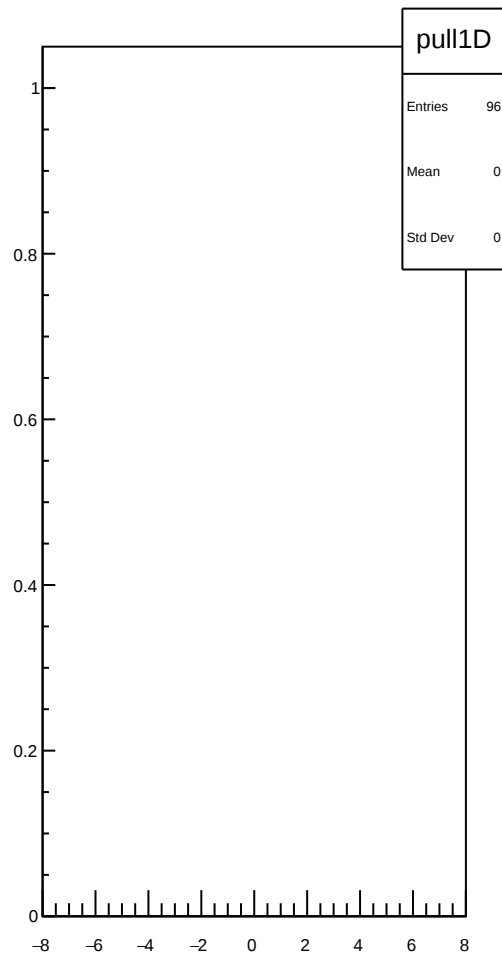
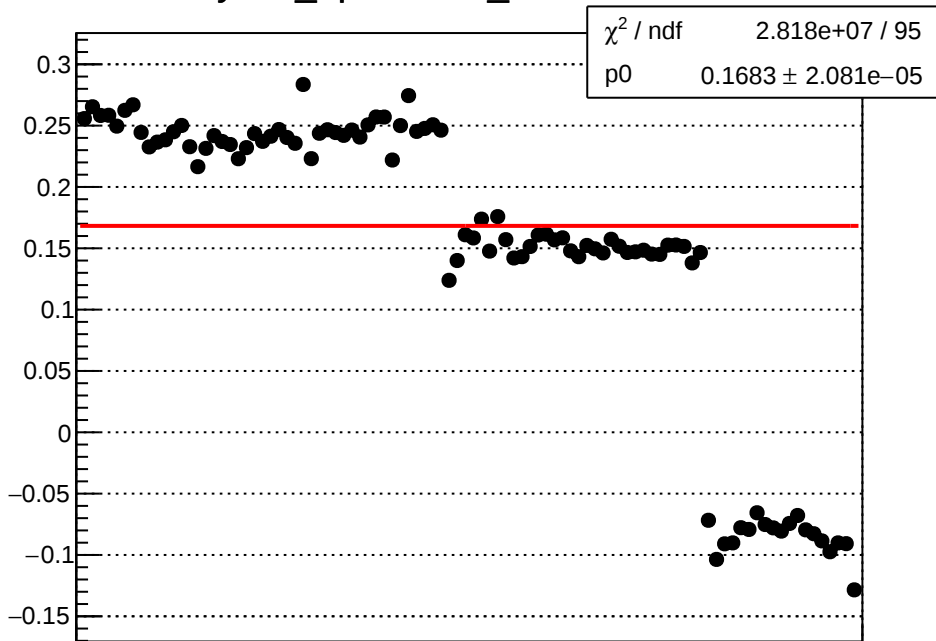
yield_bpm0107Y_mean vs run



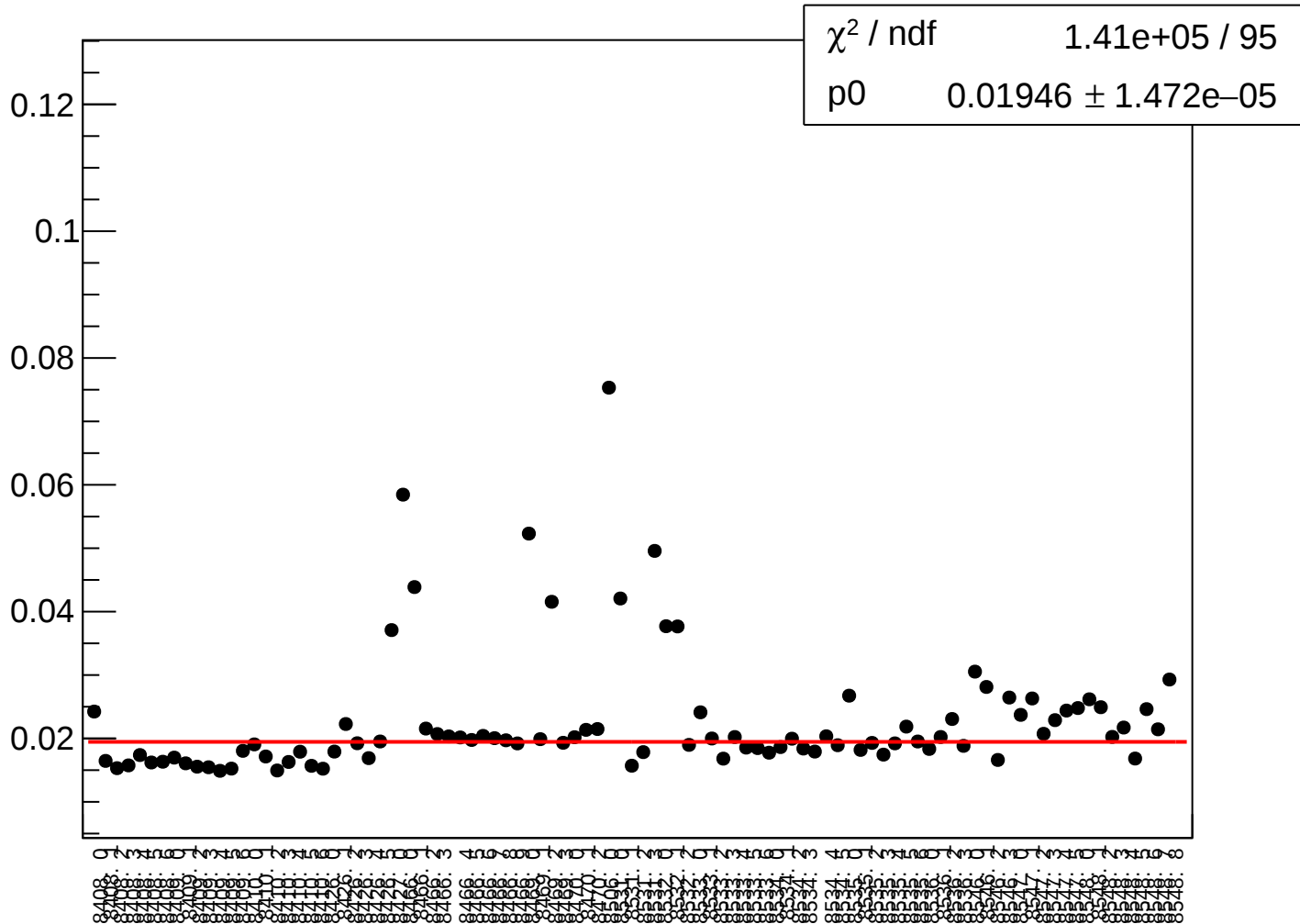
yield_bpm0l07Y_rms vs run



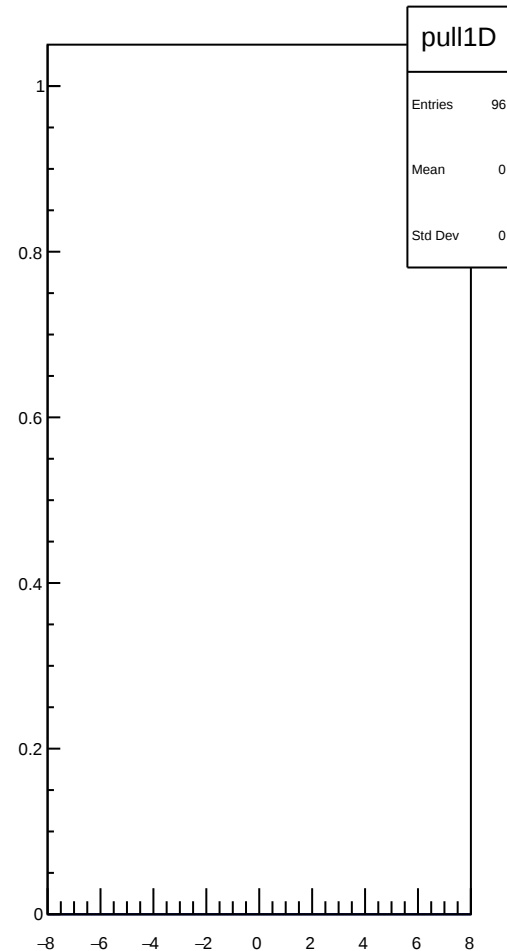
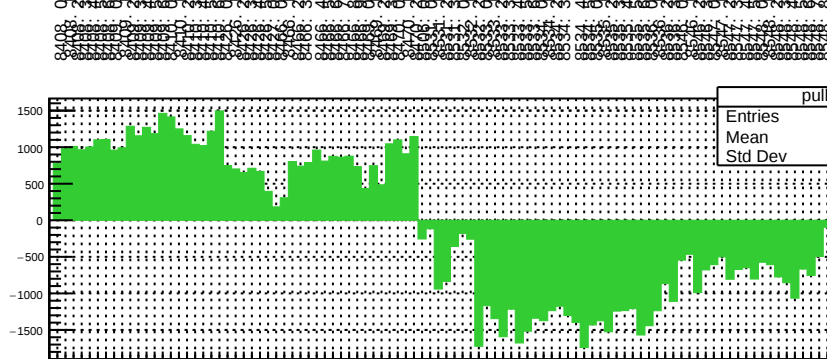
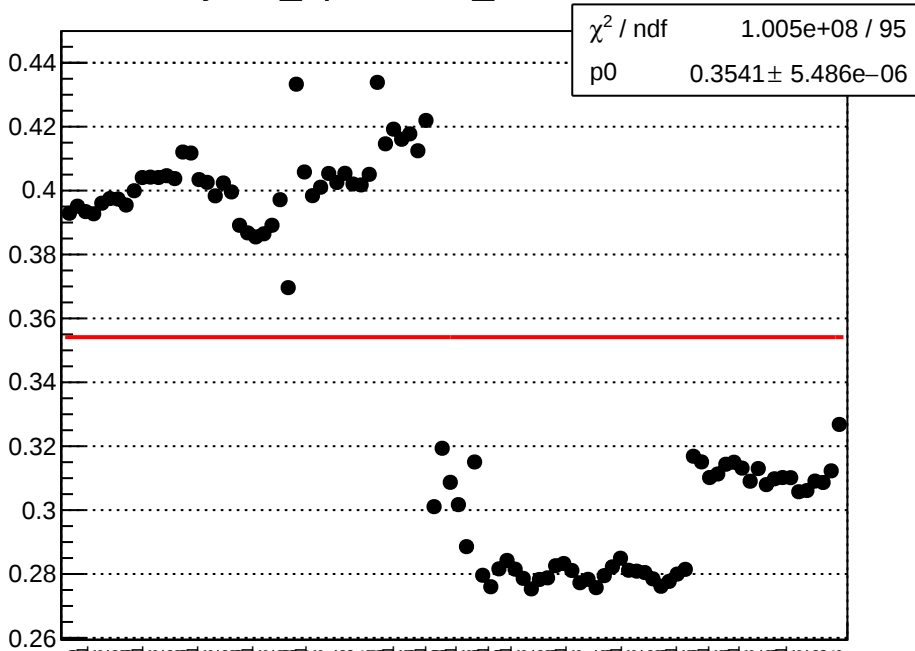
yield_bpm0l08X_mean vs run



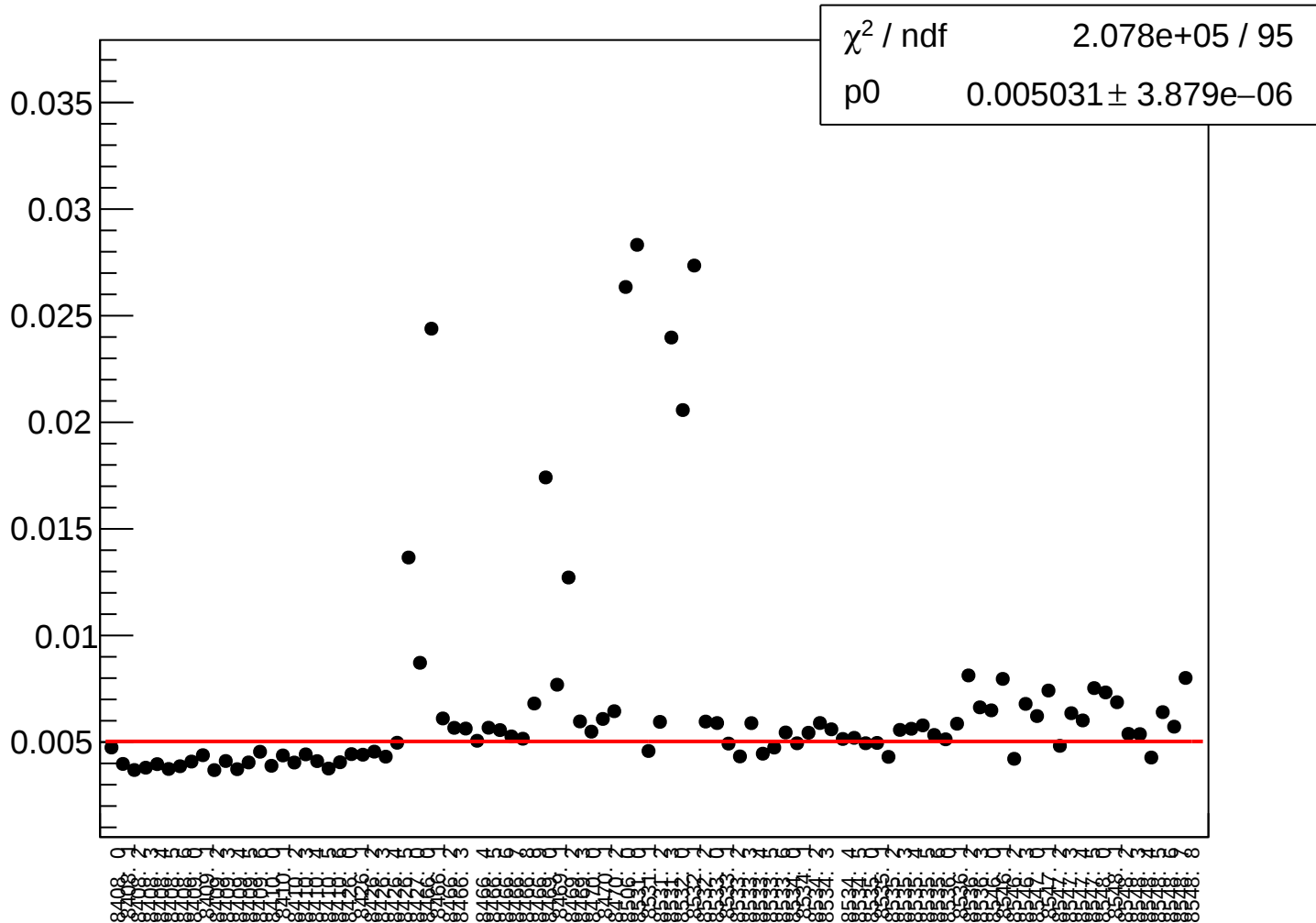
yield_bpm0l08X_rms vs run



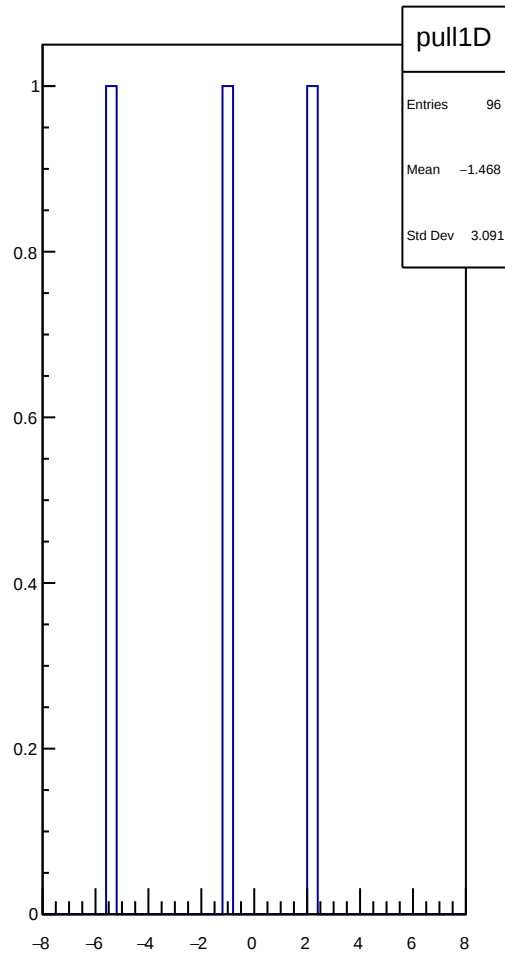
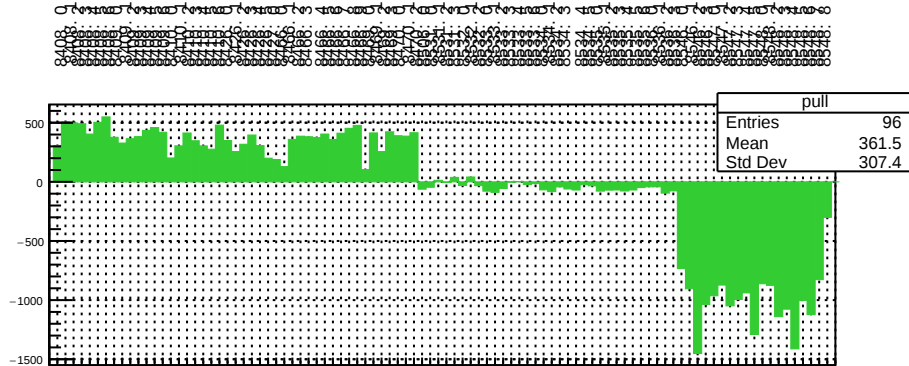
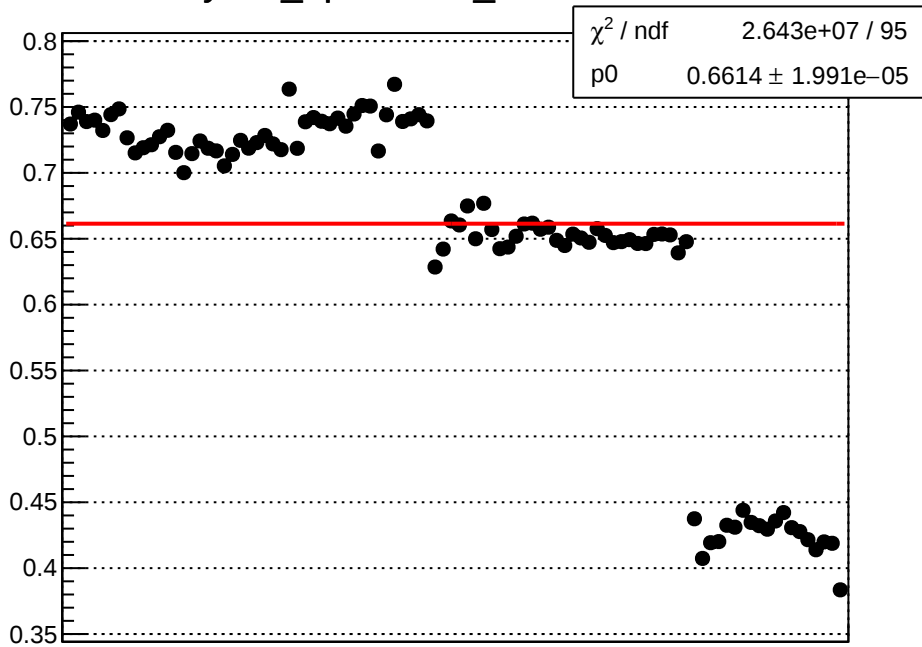
yield_bpm0l08Y_mean vs run



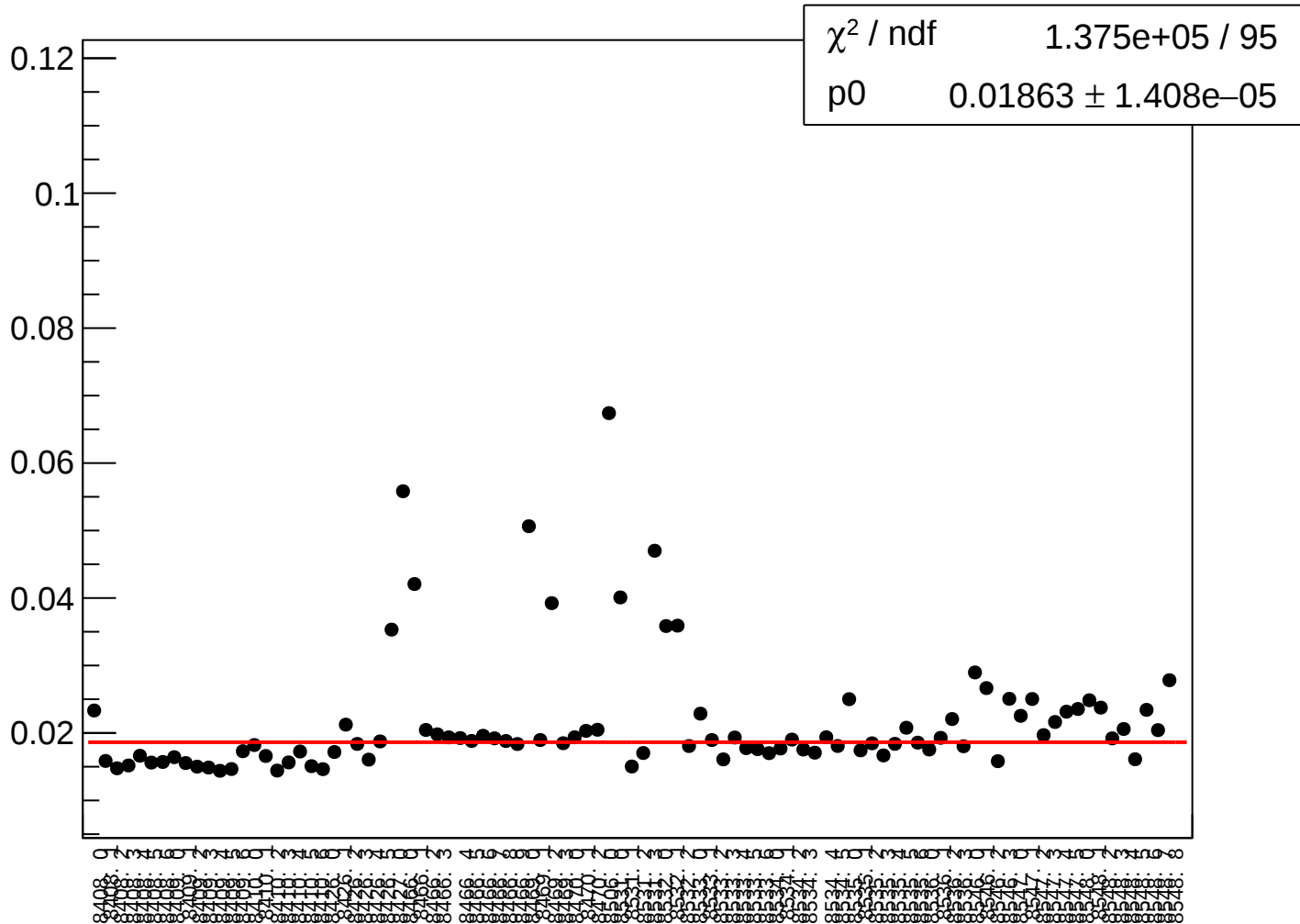
yield_bpm0l08Y_rms vs run



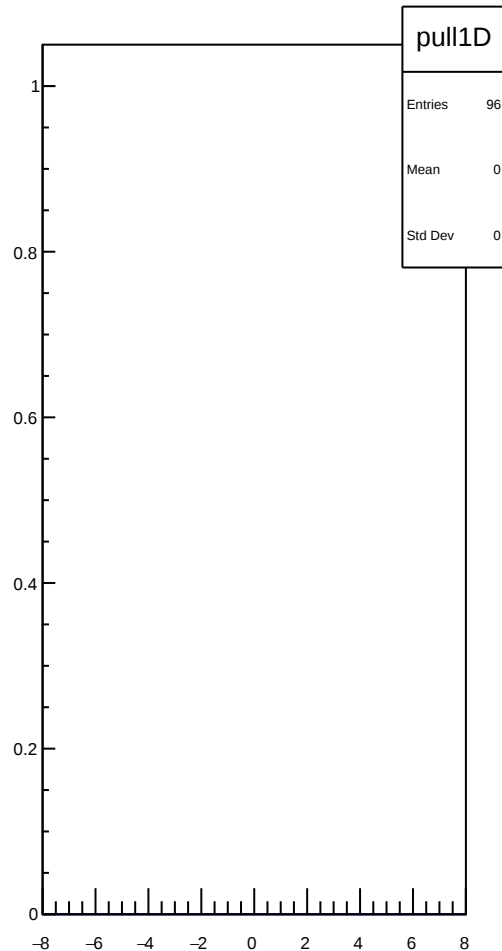
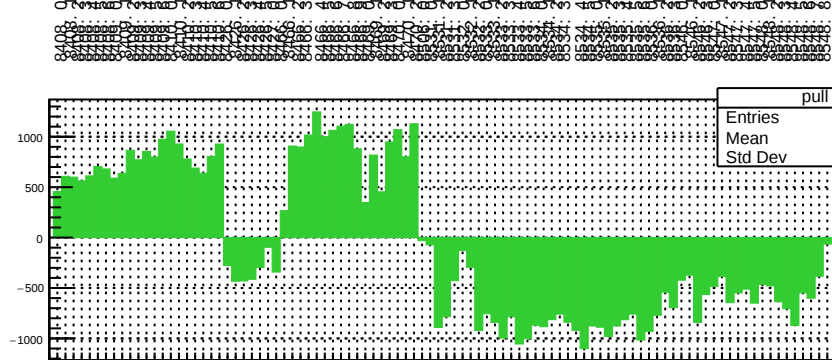
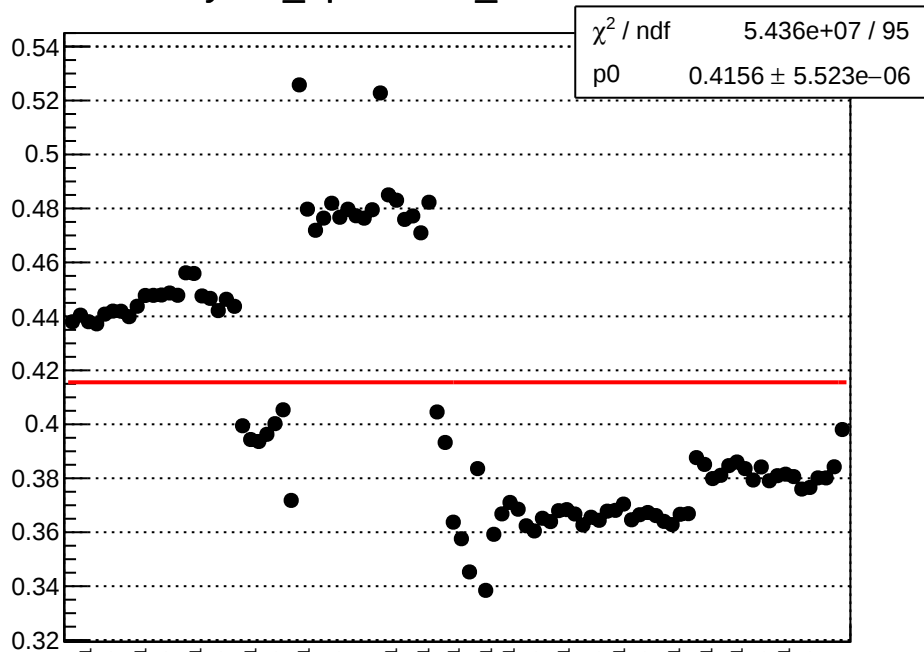
yield_bpm0109X_mean vs run



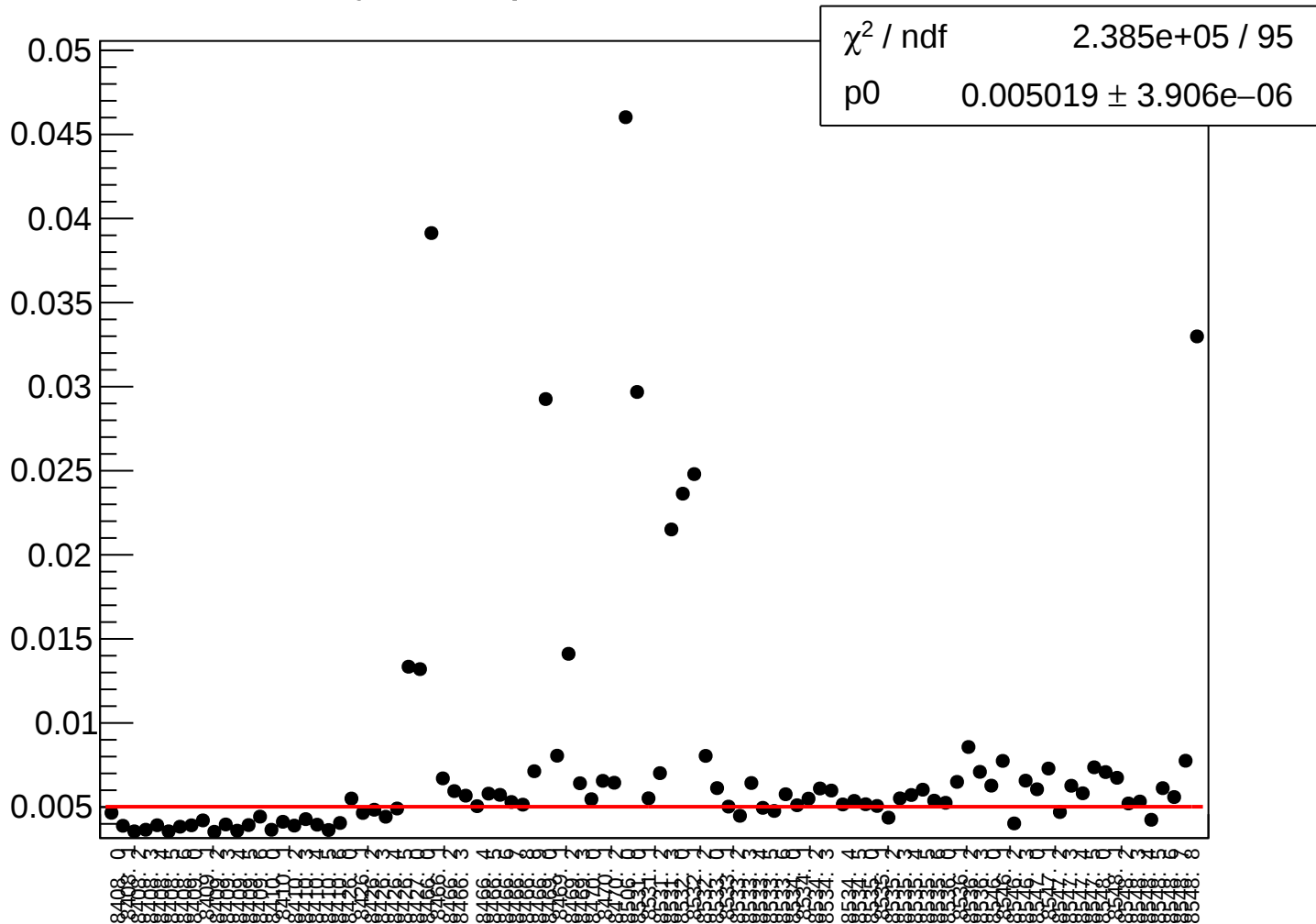
yield_bpm0l09X_rms vs run



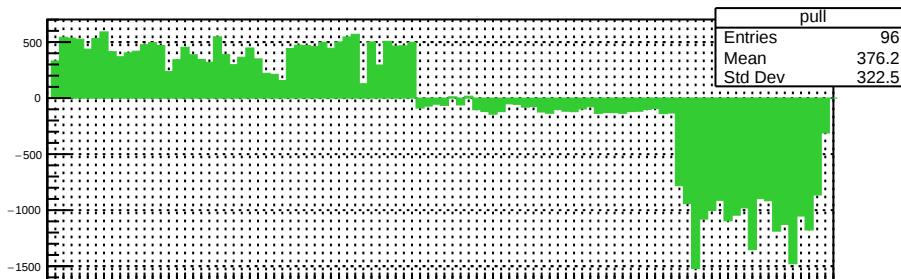
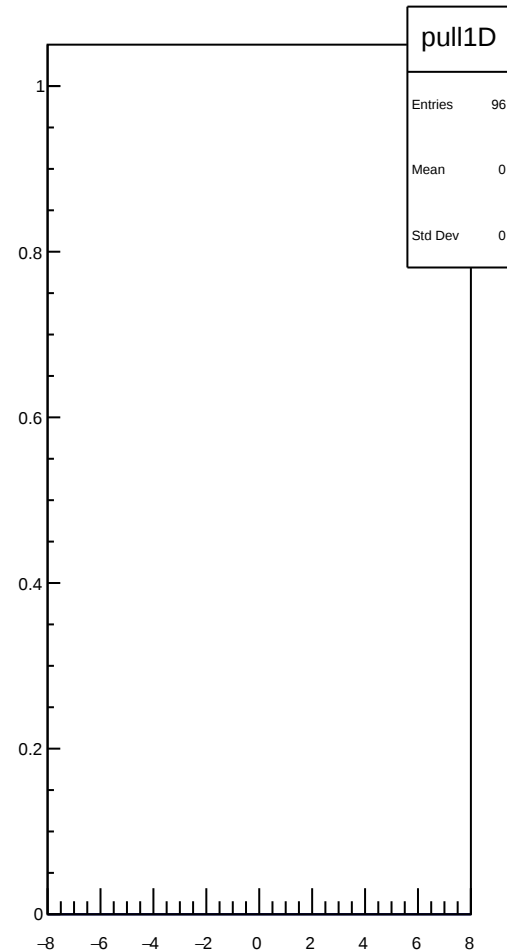
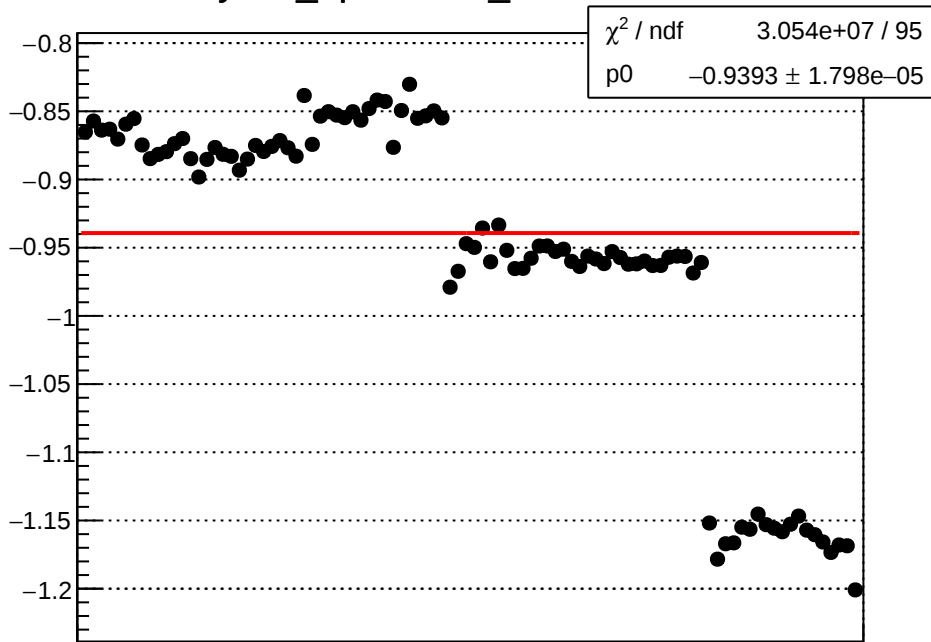
yield_bpm0l09Y_mean vs run



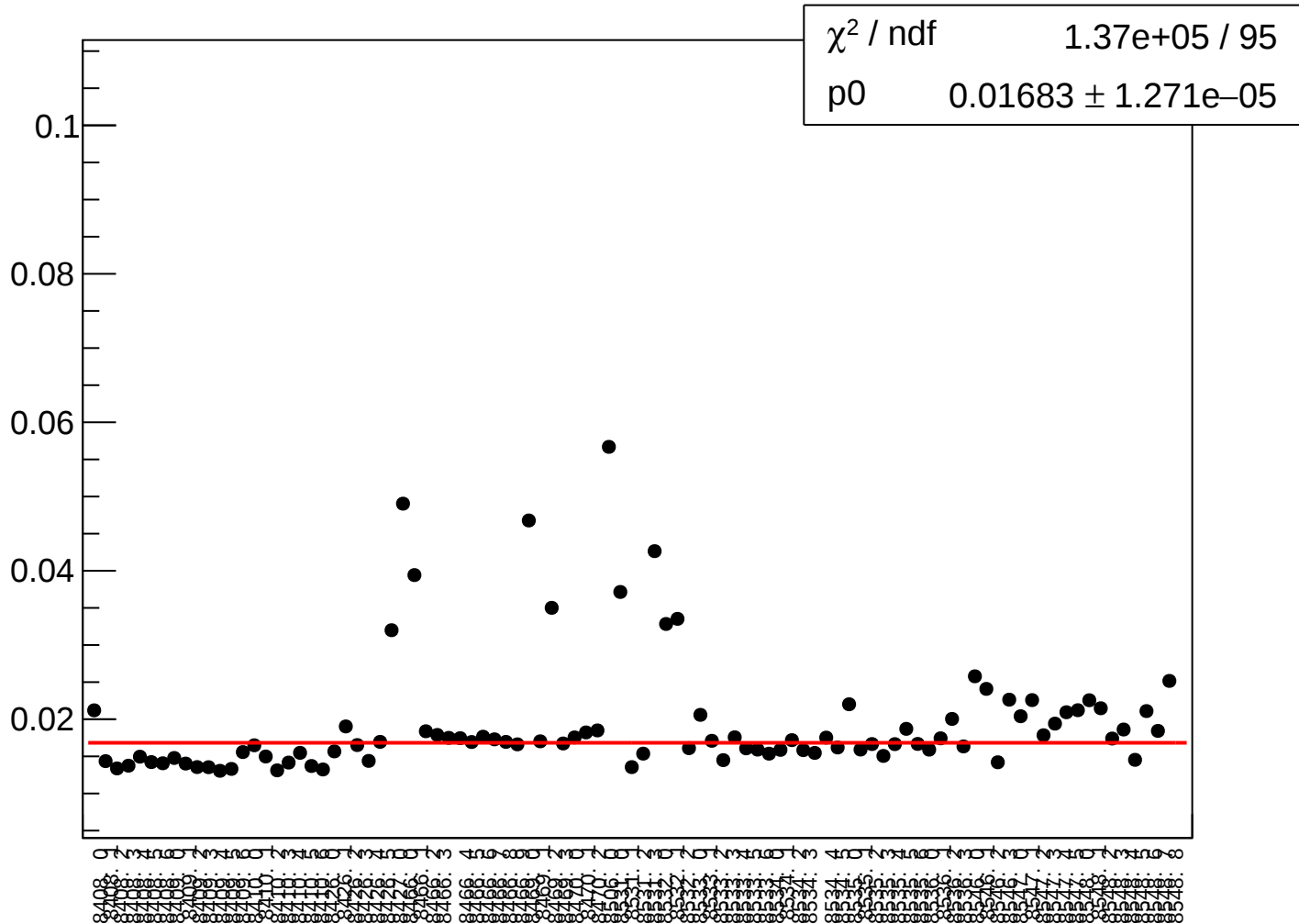
yield_bpm0l09Y_rms vs run



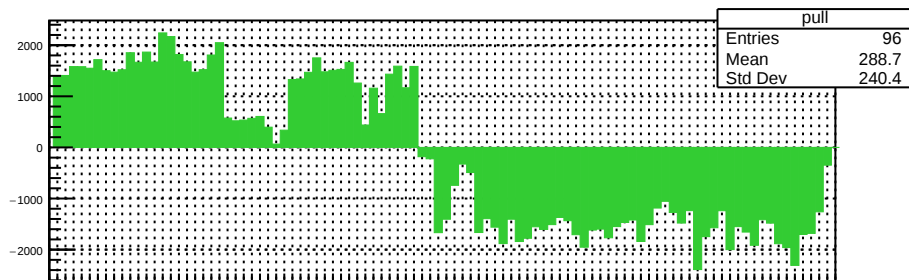
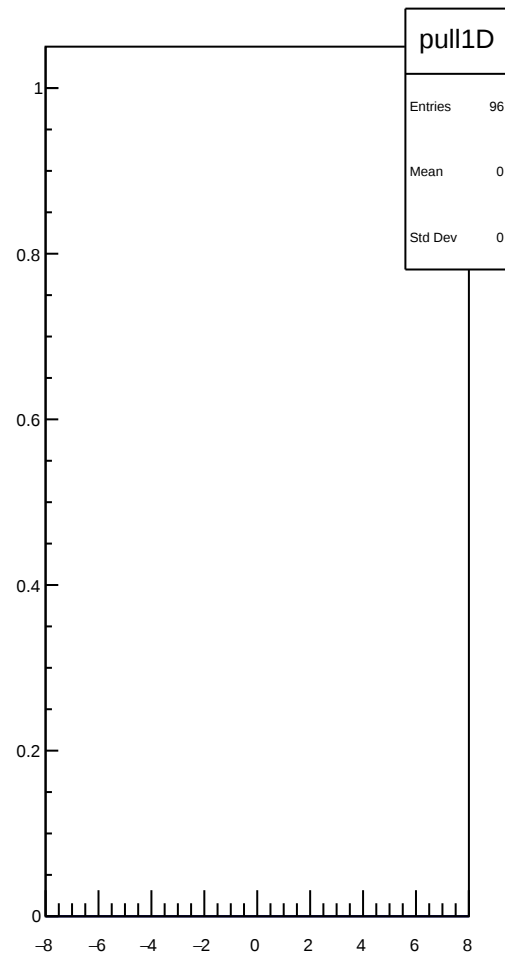
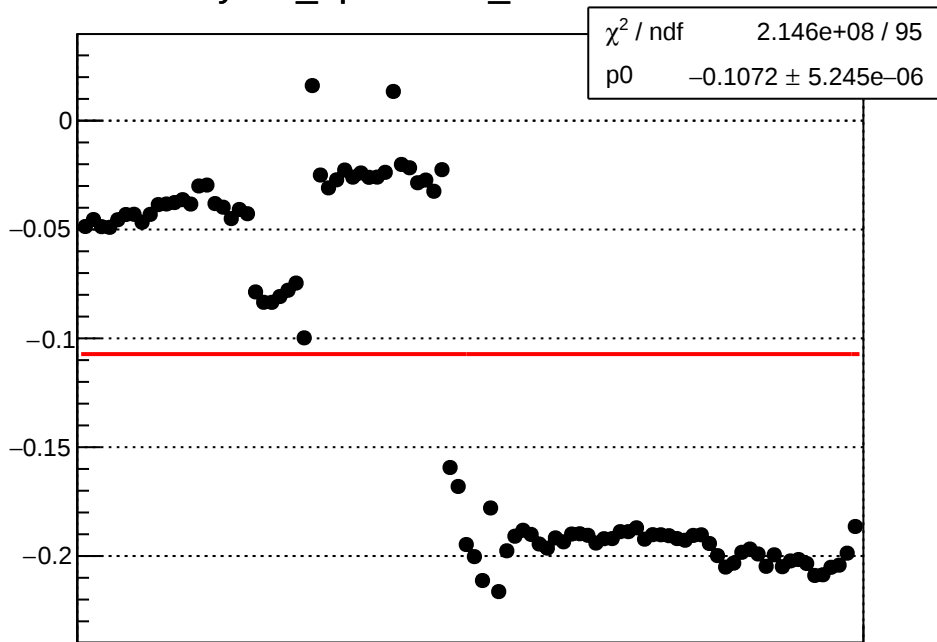
yield_bpm0l10X_mean vs run



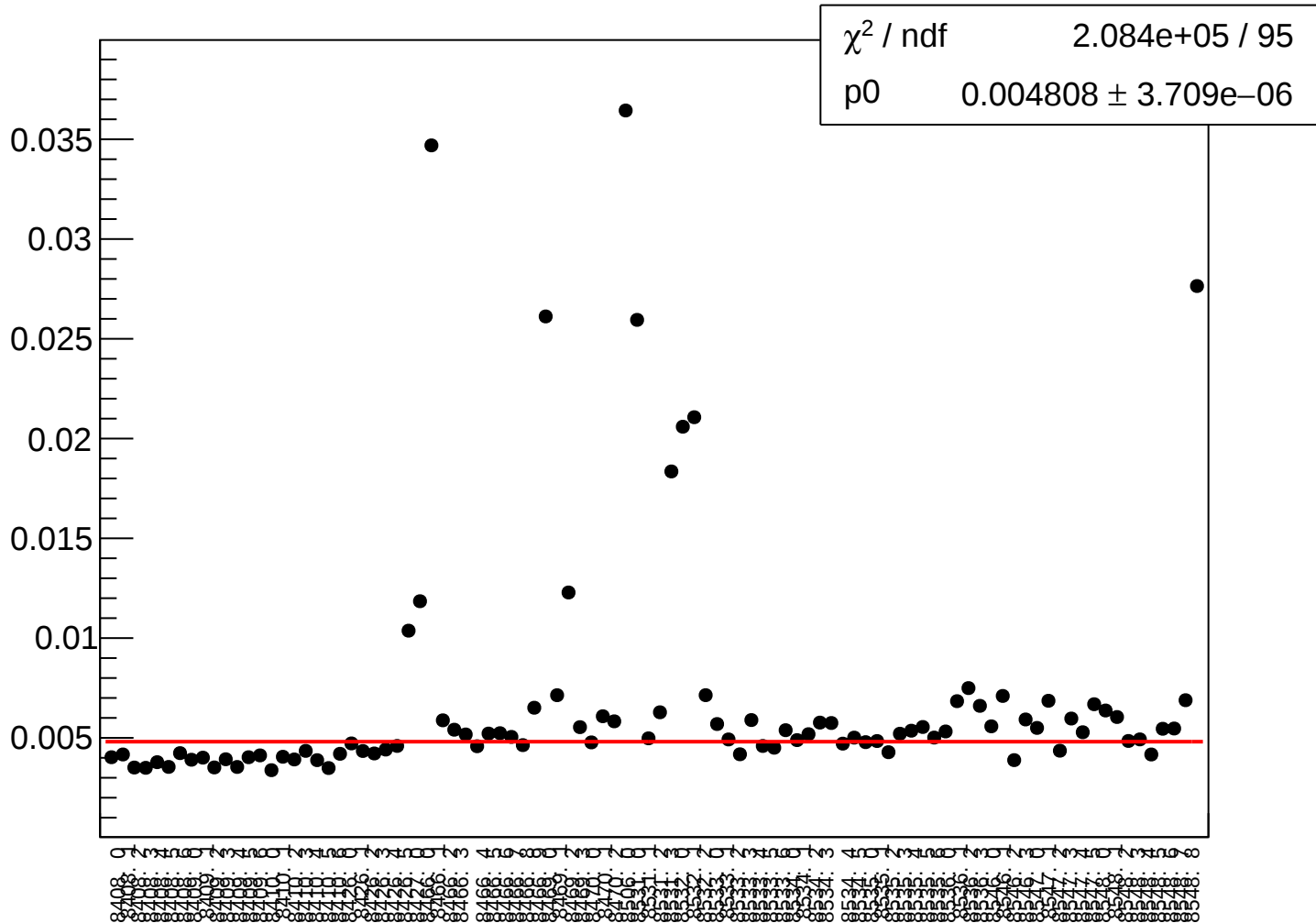
yield_bpm0l10X_rms vs run



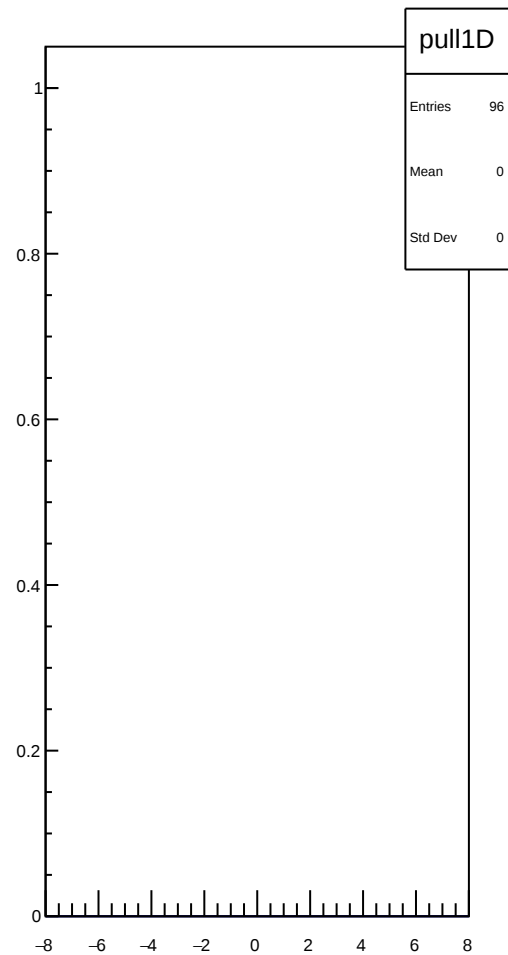
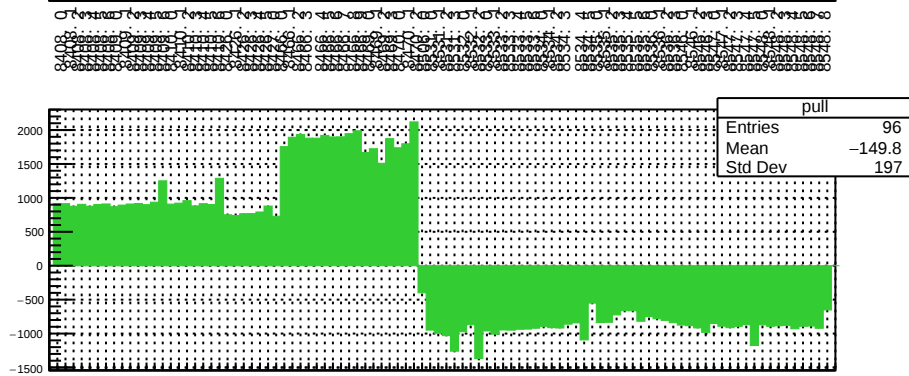
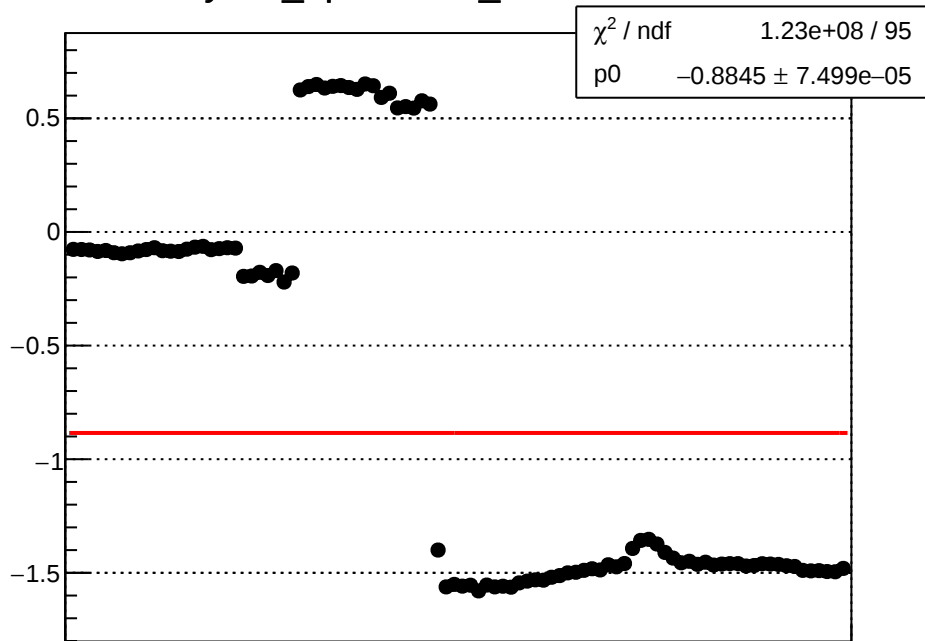
yield_bpm0l10Y_mean vs run



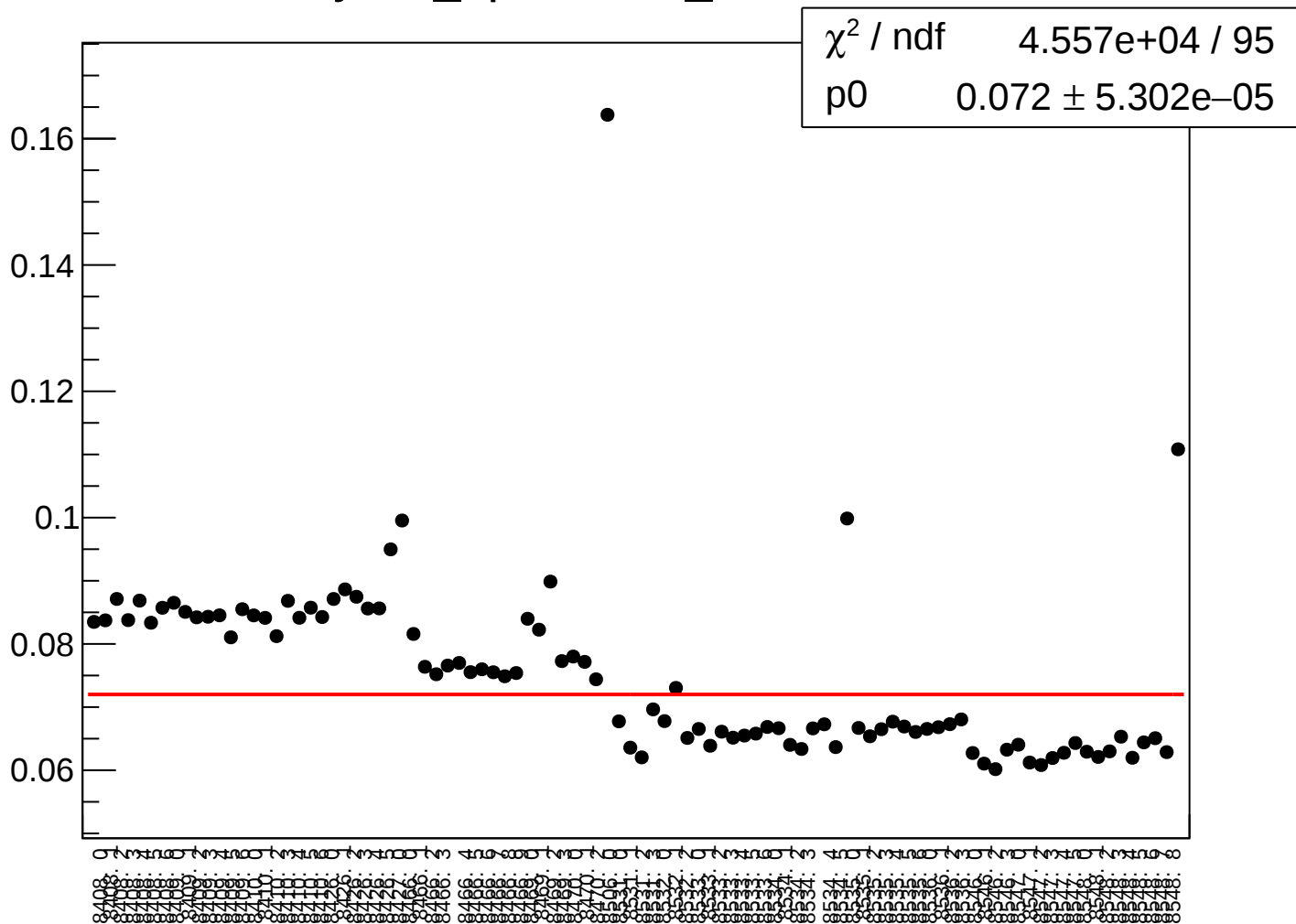
yield_bpm0l10Y_rms vs run



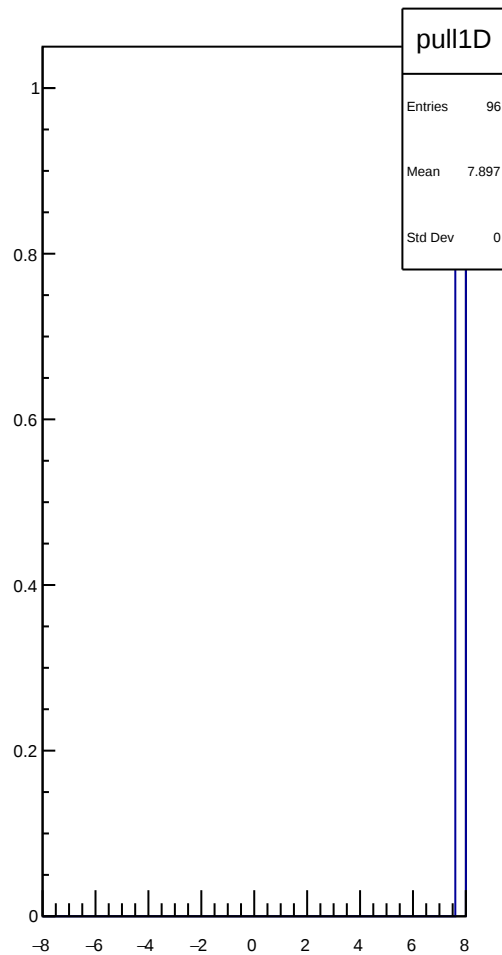
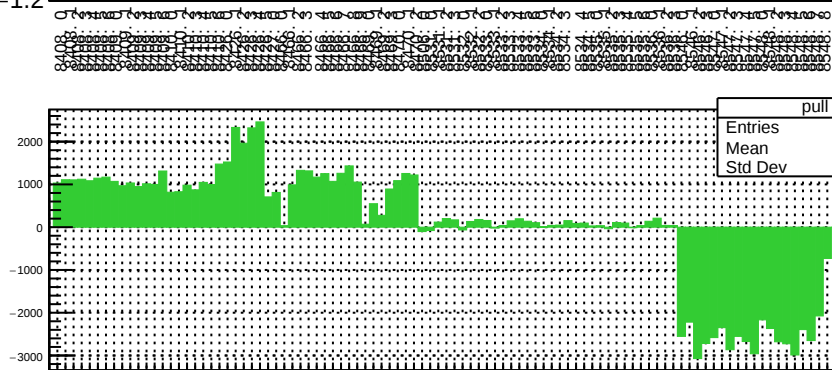
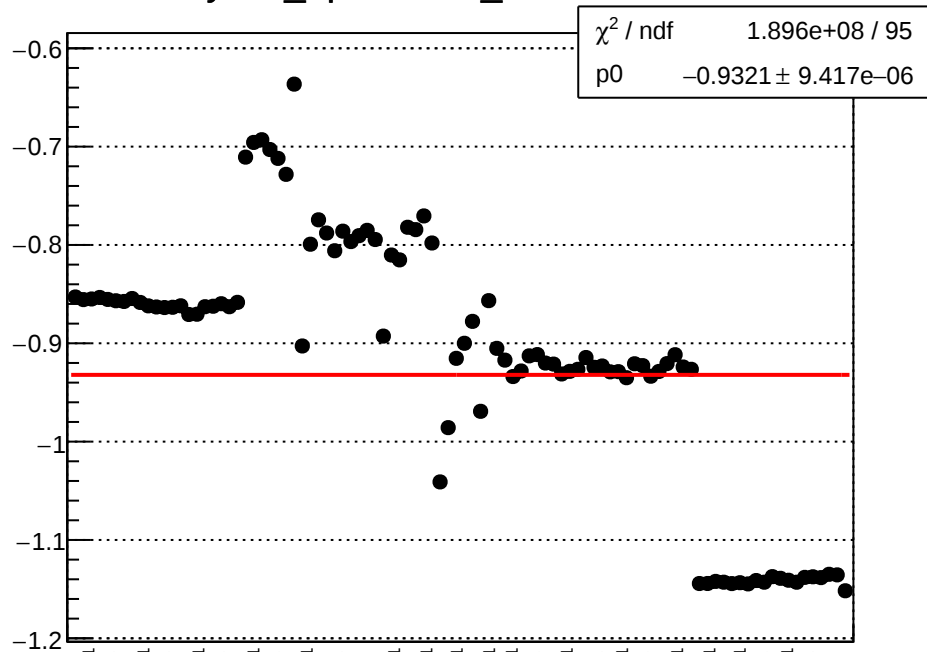
yield_bpm0r03X_mean vs run



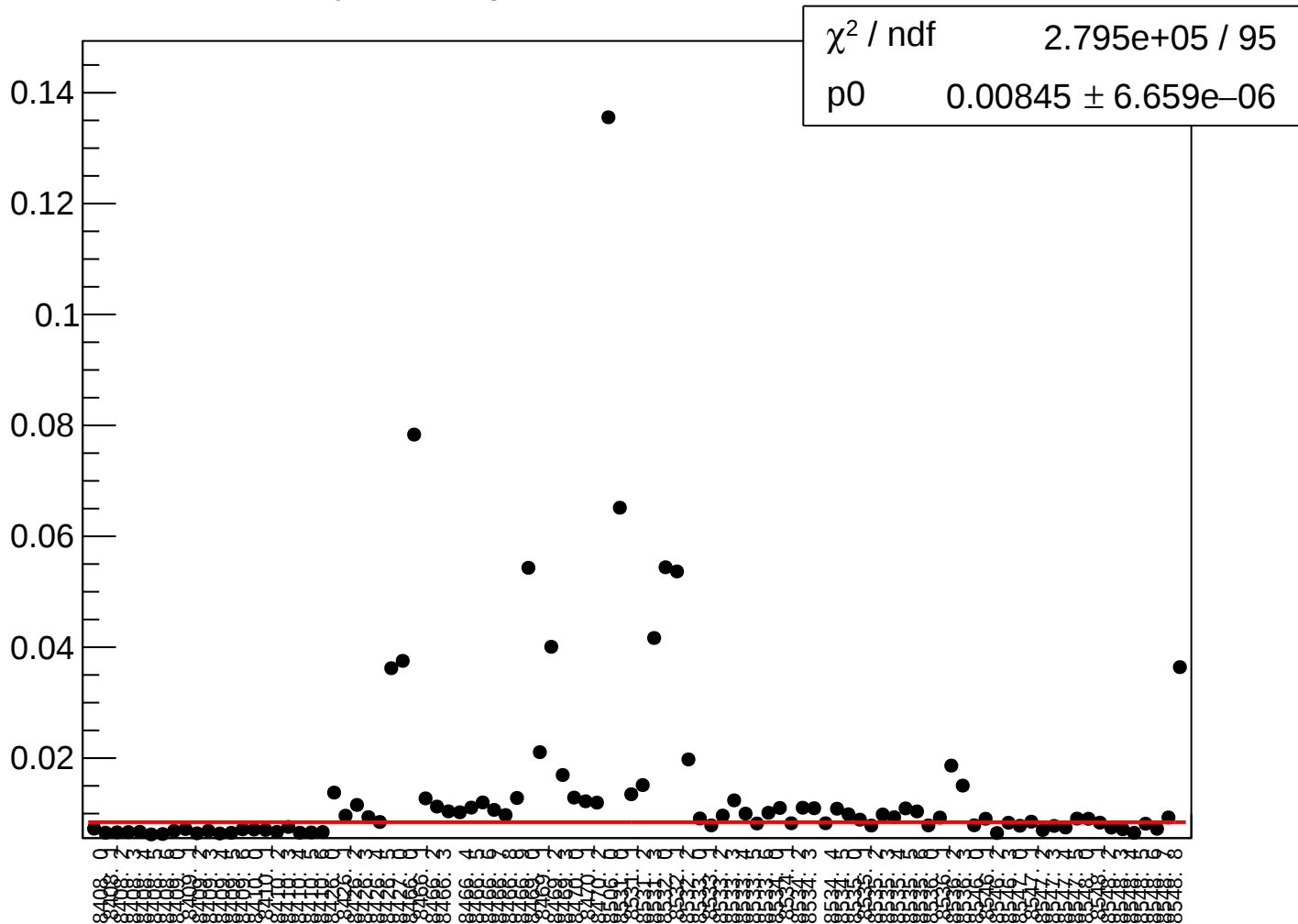
yield_bpm0r03X_rms vs run



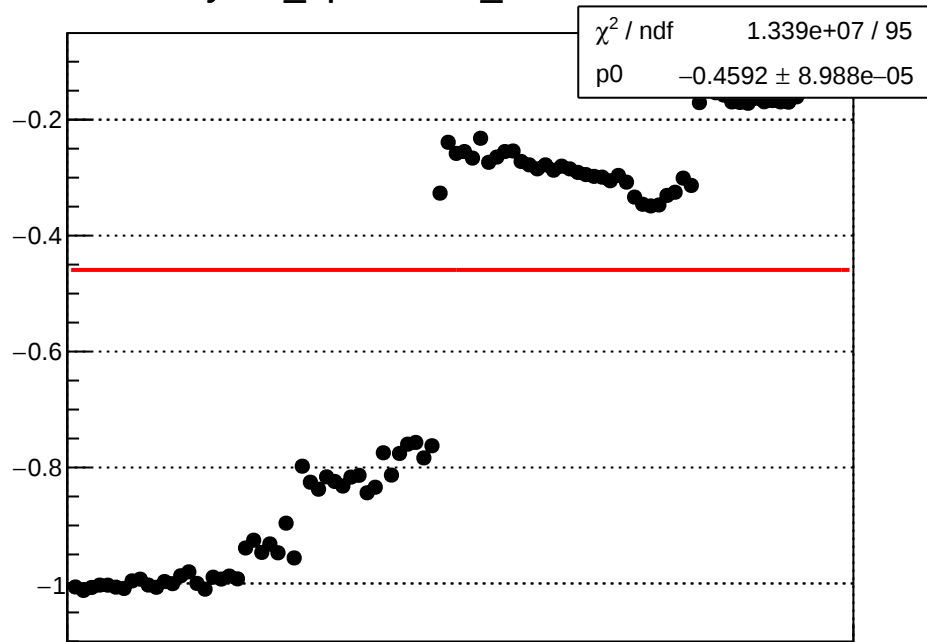
yield_bpm0r03Y_mean vs run



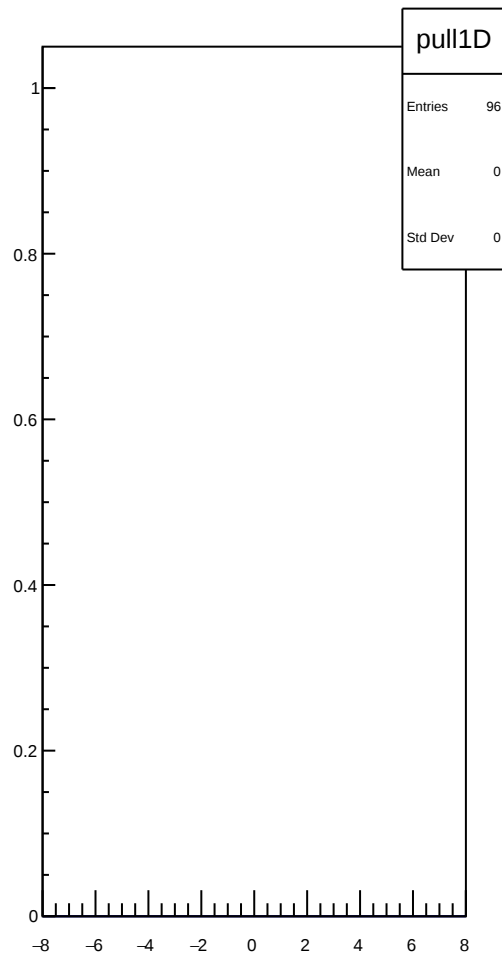
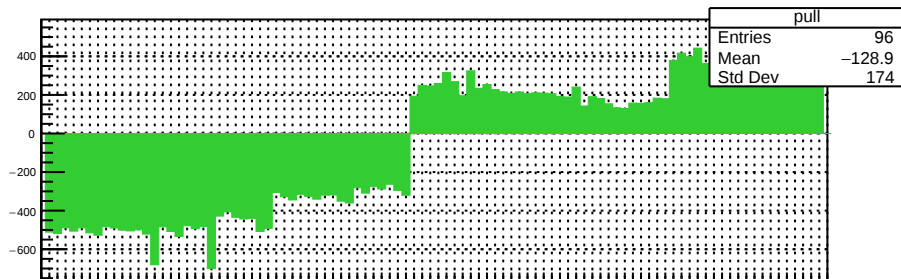
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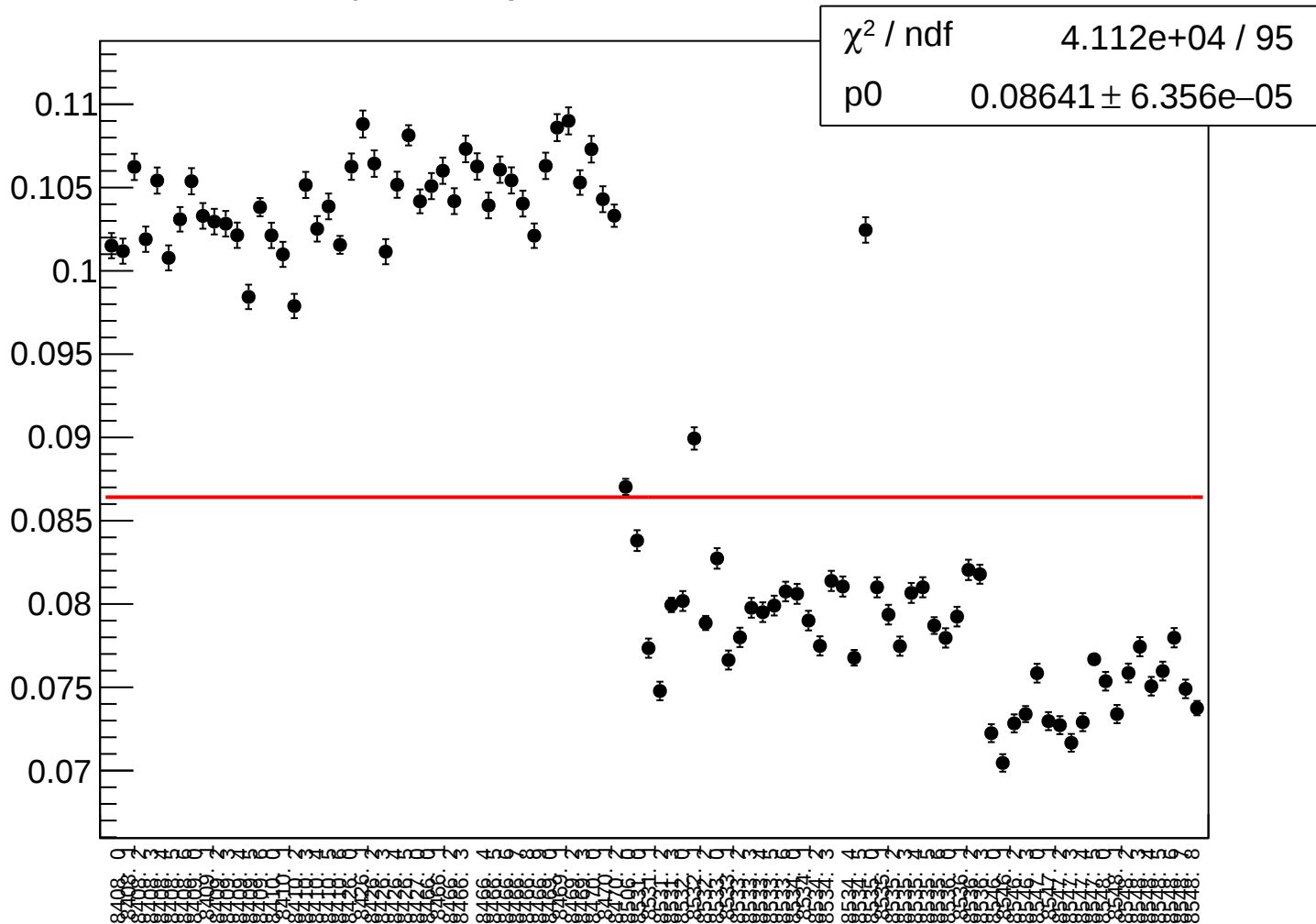
yield_bpm0r05X_mean vs run



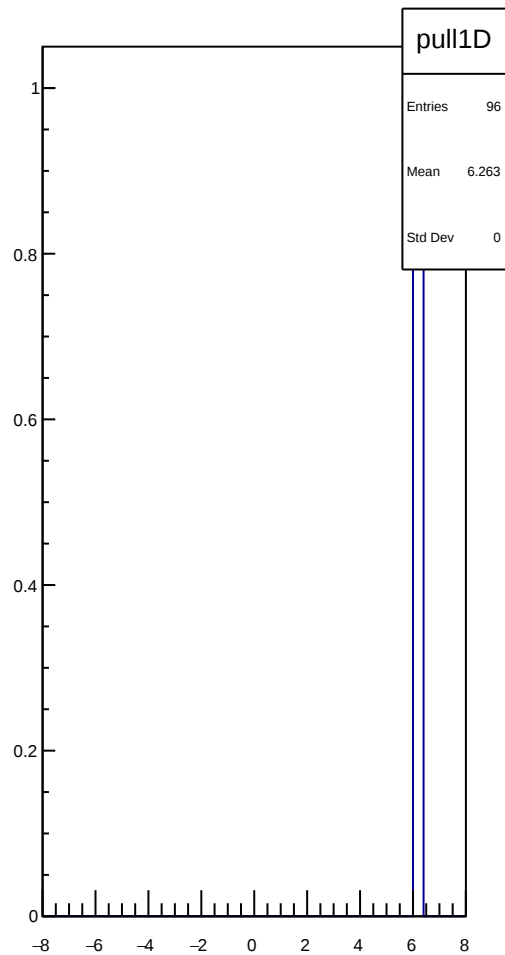
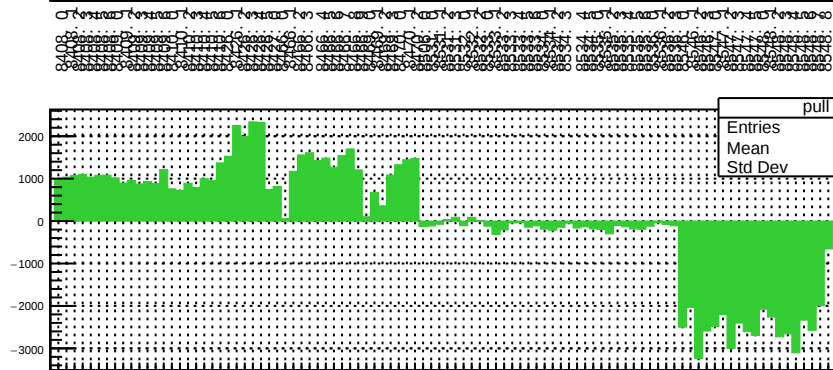
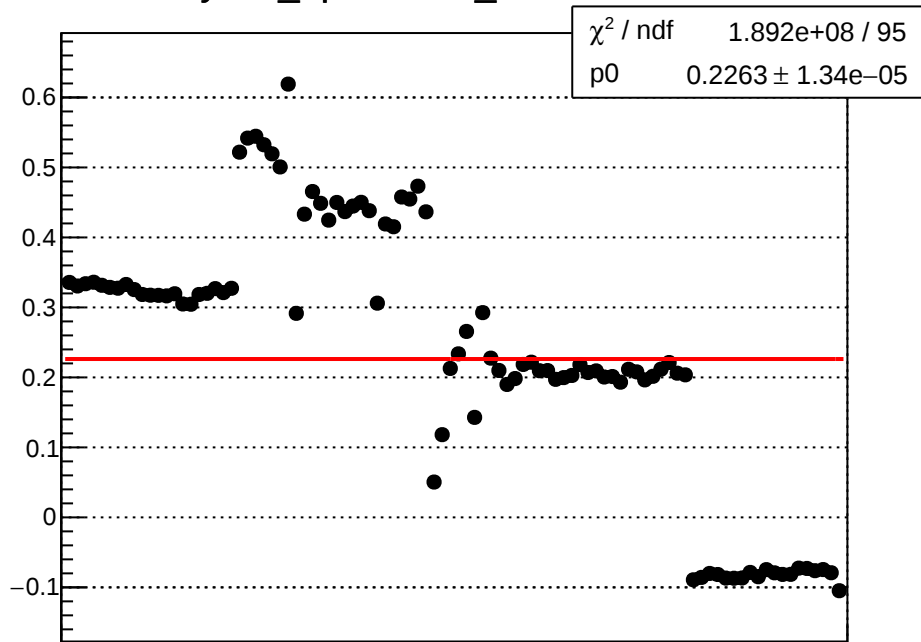
Correlation Coefficient: 0.9999999999999999
 Pearson's Chi-Square Statistic: 1.339e+07
 Degrees of Freedom: 95
 P-Value: 0.0000000000000000



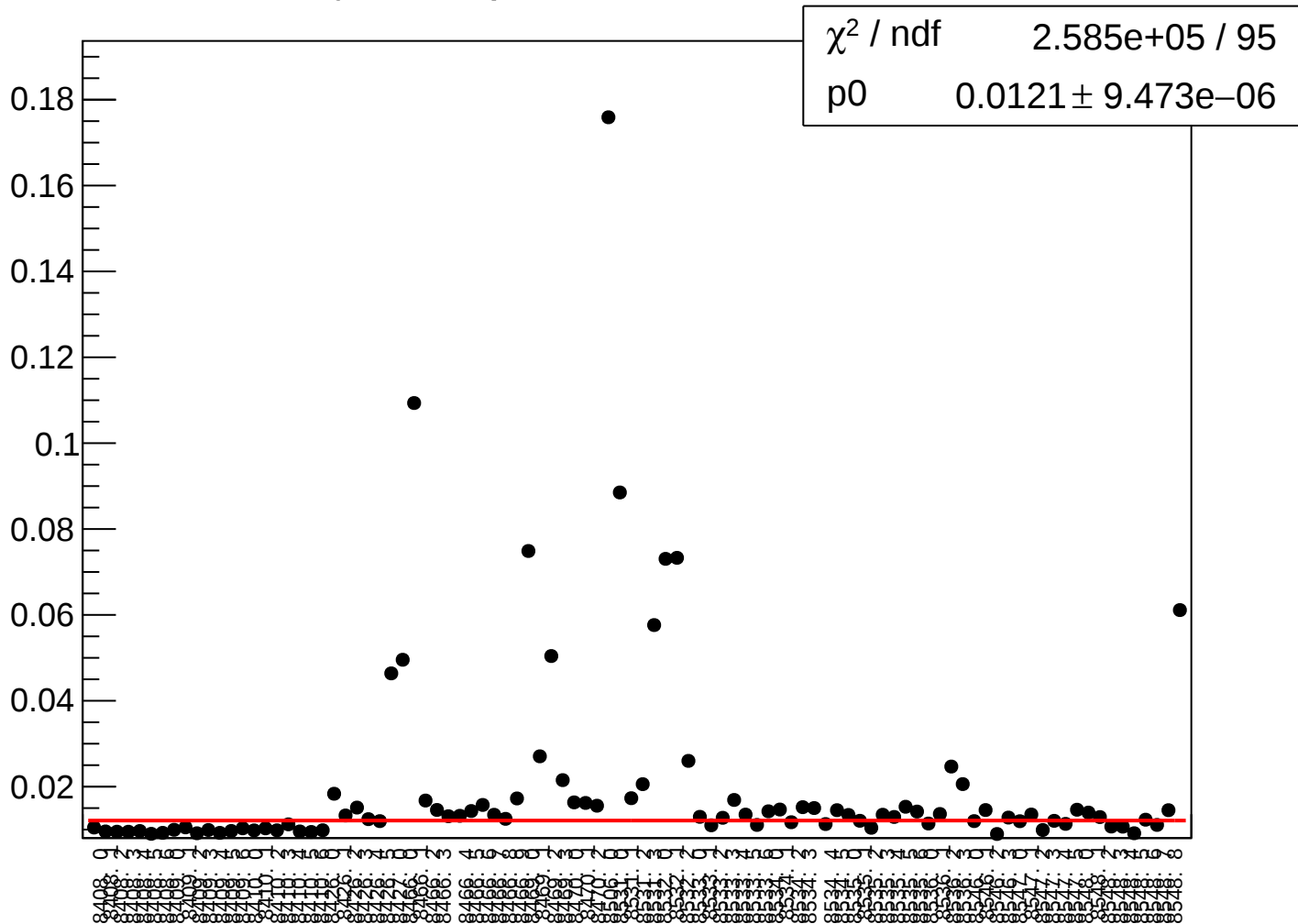
yield_bpm0r05X_rms vs run



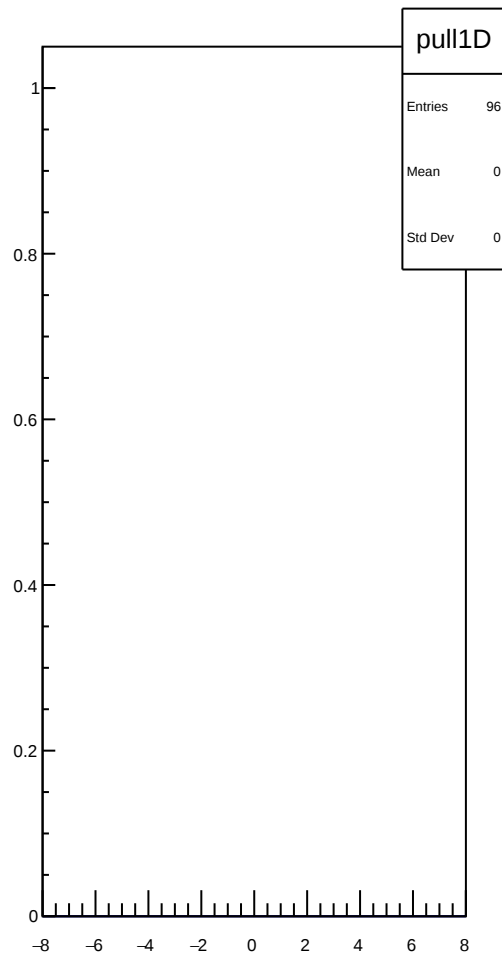
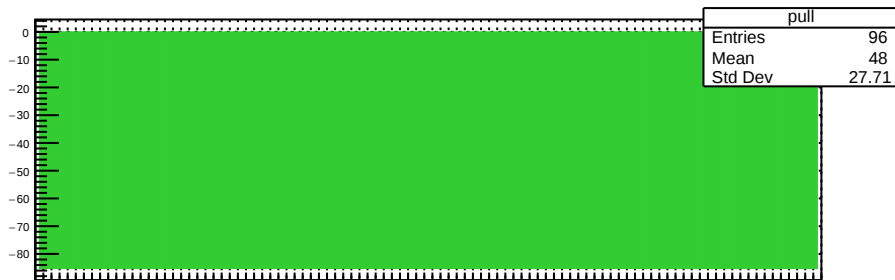
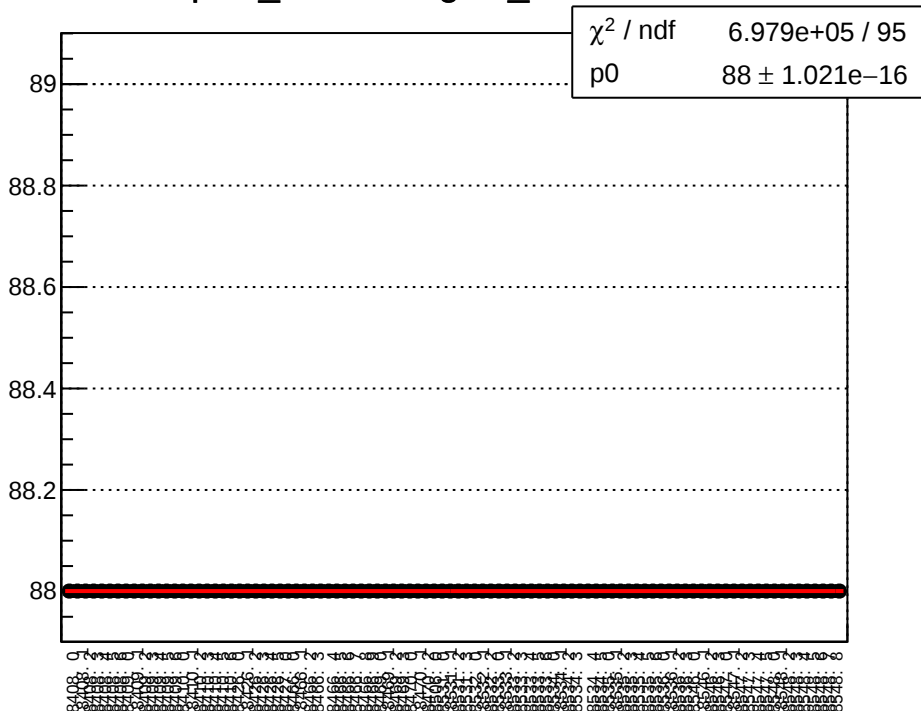
yield_bpm0r05Y_mean vs run



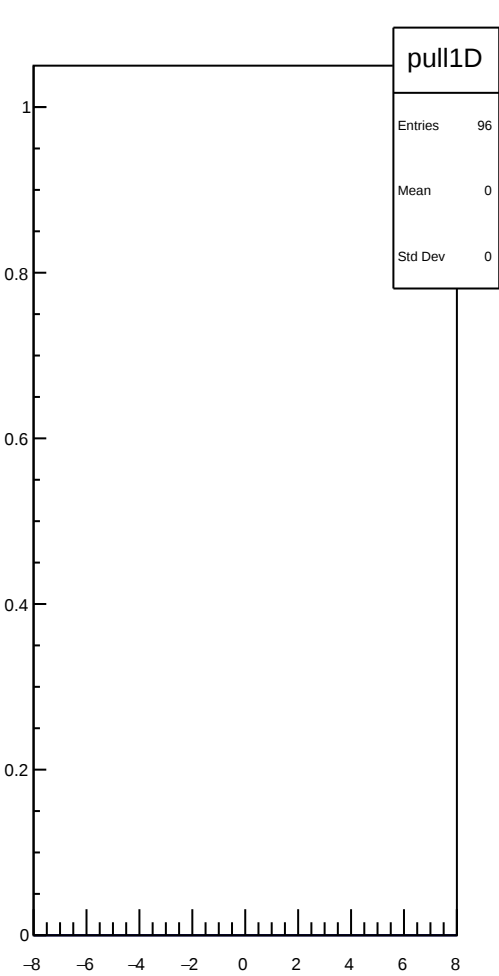
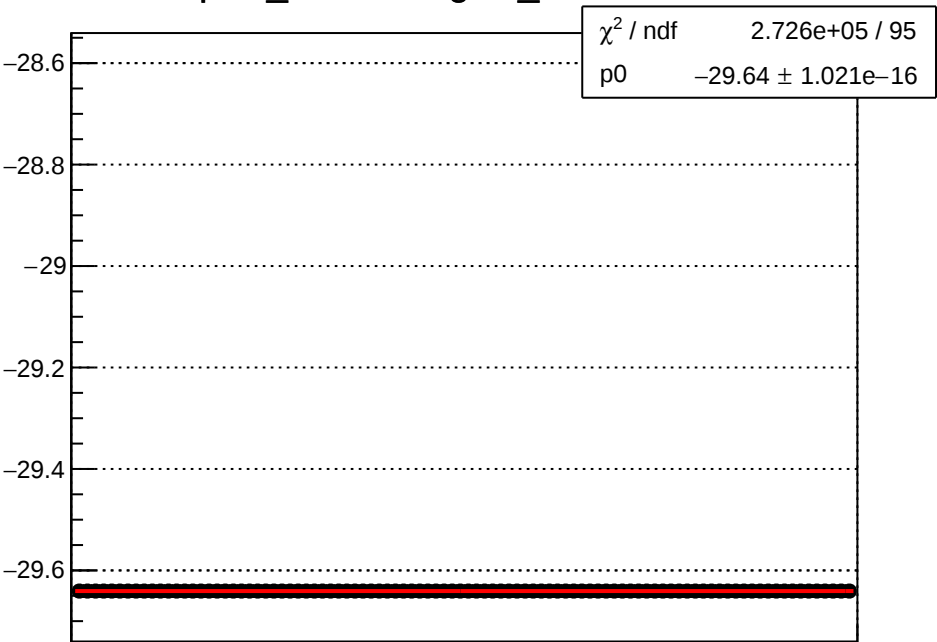
yield_bpm0r05Y_rms vs run



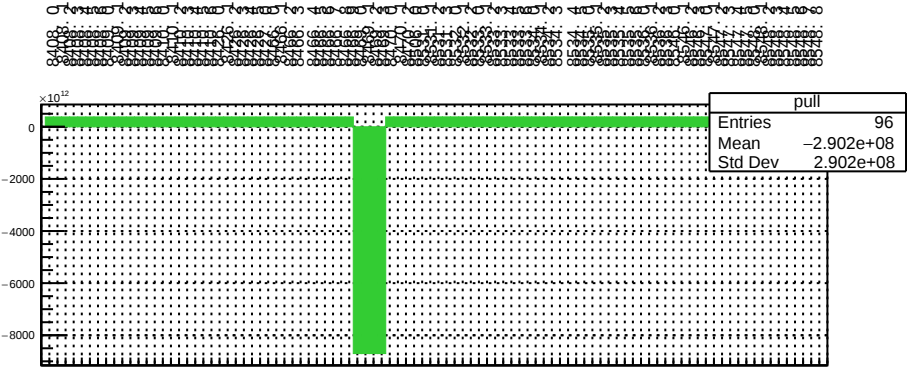
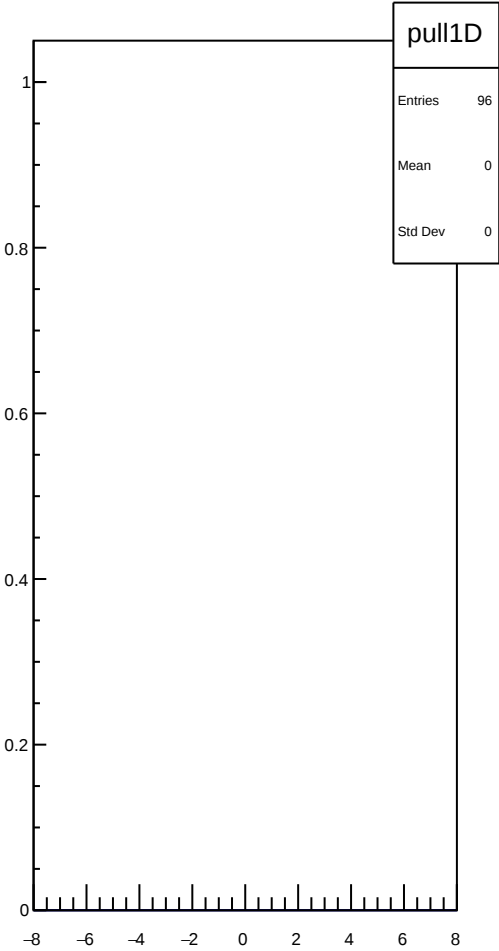
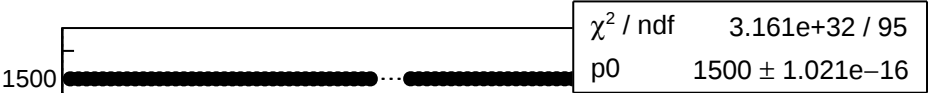
epics_VWienAngles_mean vs run



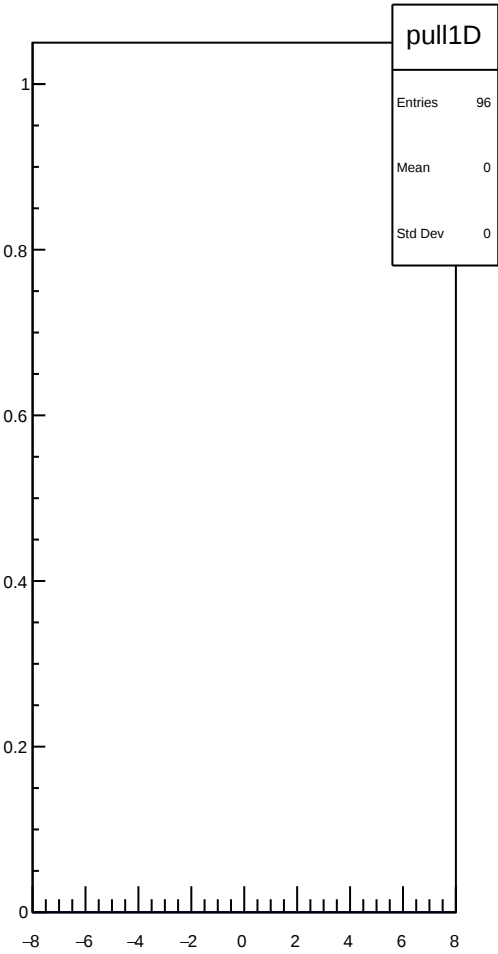
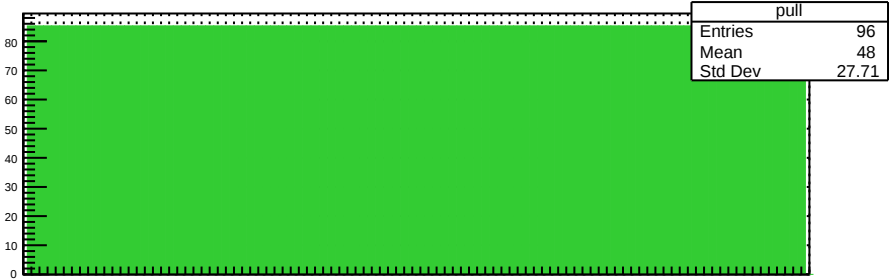
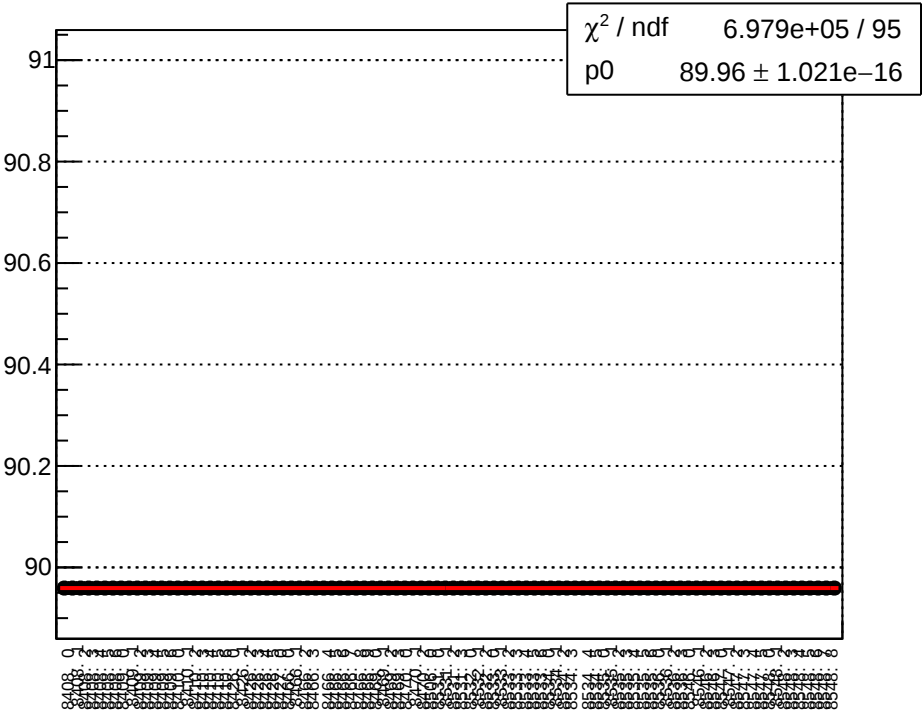
epics_HWienAngles_mean vs run



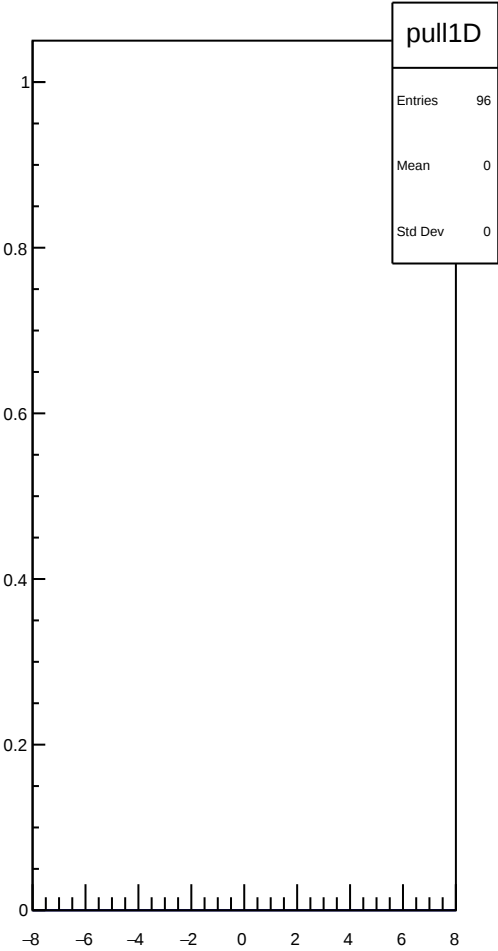
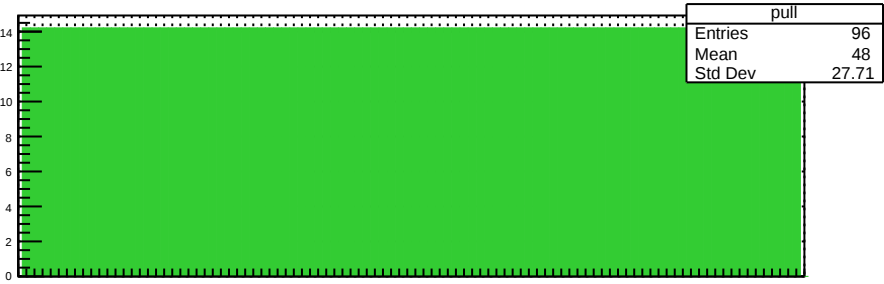
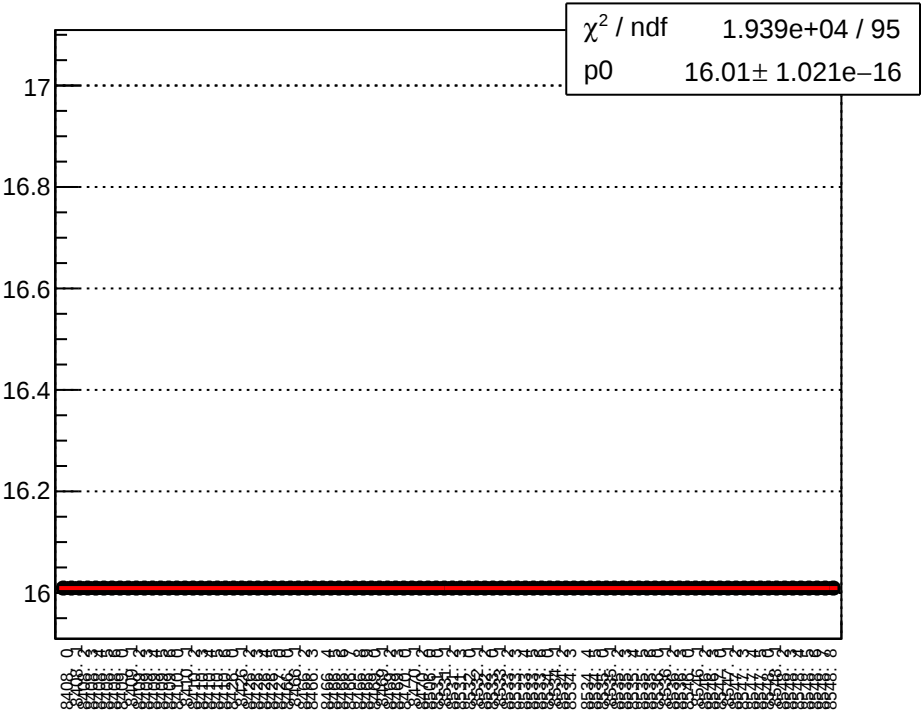
epics_psub_pl_poss_mean vs run



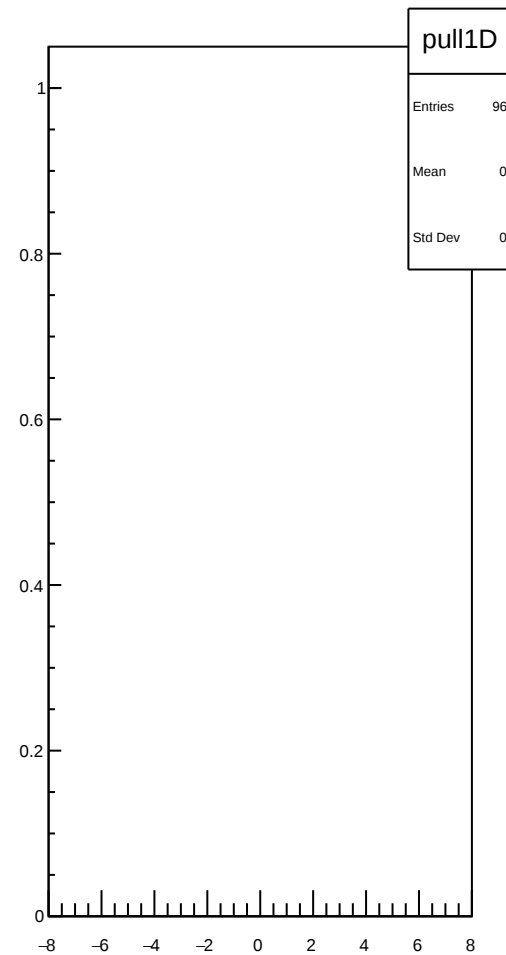
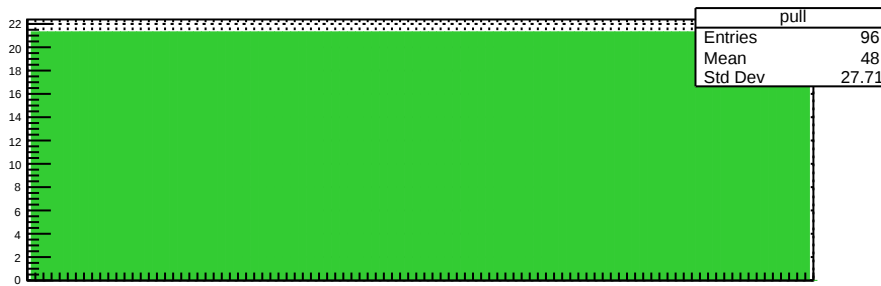
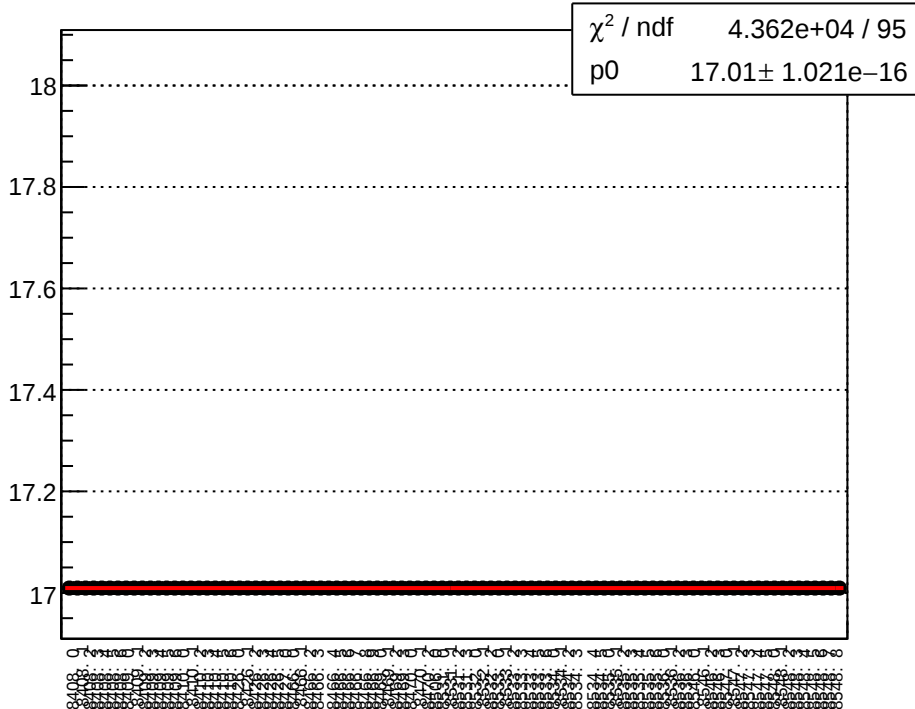
epics_Phi_FGs_mean vs run



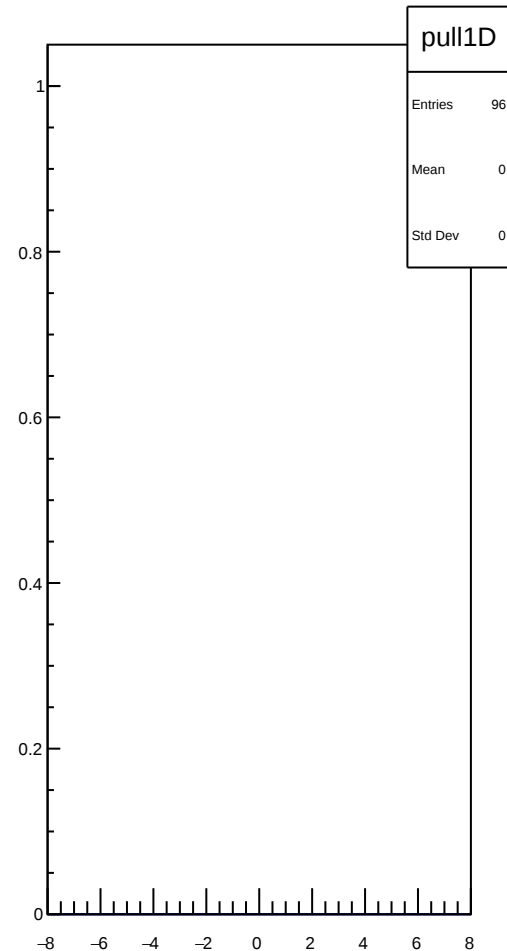
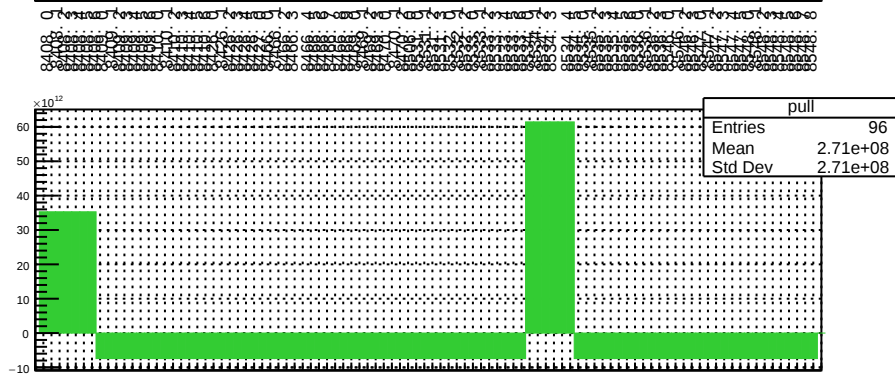
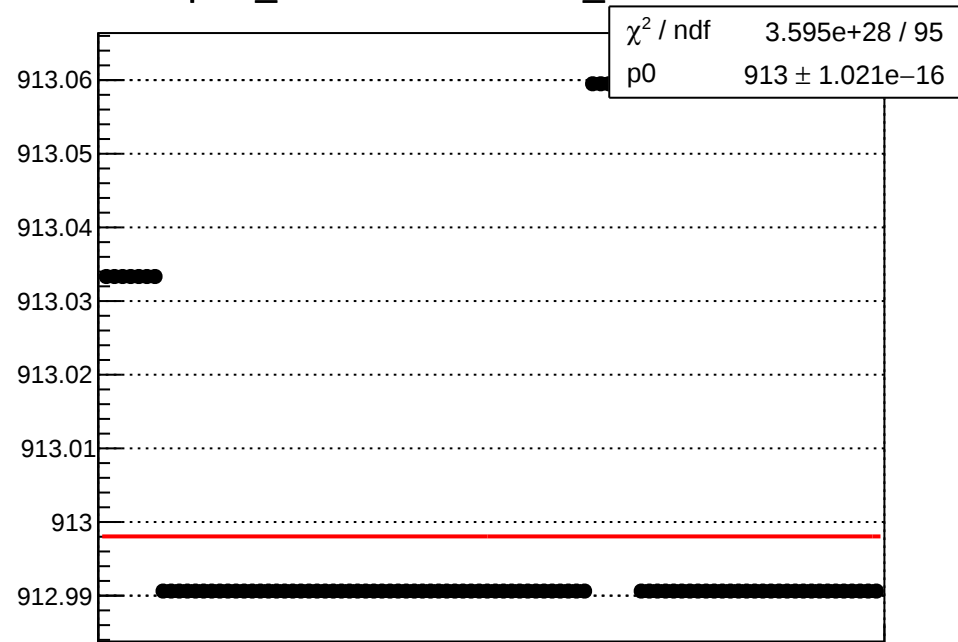
epics_IGL1I00DI24_24Ms_mean vs run



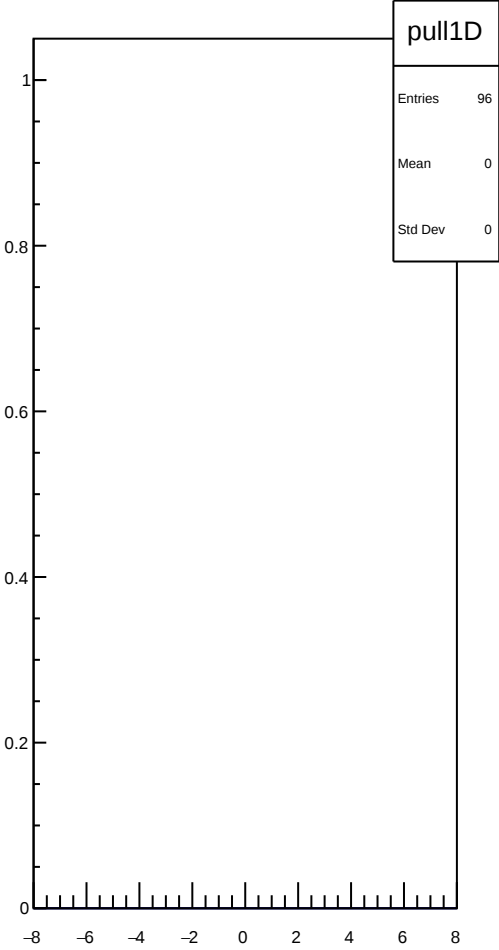
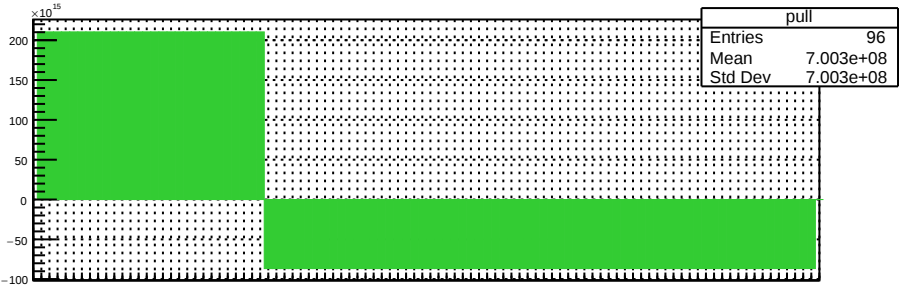
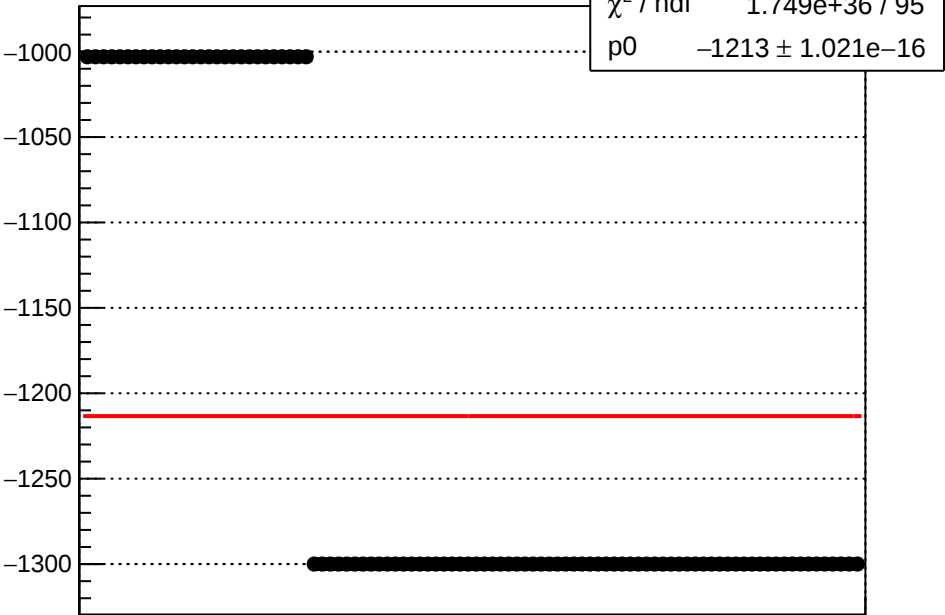
epics_IGL1I00OD16_16s_mean vs run



epics_RTPAPOSUCNTs_mean vs run



epics_RTPAPOSVCNTs_mean vs run



epics_RTPPITA2CNTs_mean vs run

