



Legend for the bottom row of plots:

- Red line: $\chi^2 < 10$
- Blue line: $10 < \chi^2 < 20$
- Green line: $20 < \chi^2 < 30$
- Black line: $30 < \chi^2 < 40$
- Grey line: $40 < \chi^2 < 50$
- White line: $50 < \chi^2 < 60$
- Light blue line: $60 < \chi^2 < 70$
- Light green line: $70 < \chi^2 < 80$
- Light orange line: $80 < \chi^2 < 90$
- Light purple line: $90 < \chi^2 < 100$
- Light pink line: $100 < \chi^2 < 110$
- Light yellow line: $110 < \chi^2 < 120$
- Light cyan line: $120 < \chi^2 < 130$
- Light magenta line: $130 < \chi^2 < 140$
- Light brown line: $140 < \chi^2 < 150$
- Light grey line: $150 < \chi^2 < 160$
- Light blue-grey line: $160 < \chi^2 < 170$
- Light green-grey line: $170 < \chi^2 < 180$
- Light orange-grey line: $180 < \chi^2 < 190$
- Light purple-grey line: $190 < \chi^2 < 200$
- Light pink-grey line: $200 < \chi^2 < 210$
- Light yellow-grey line: $210 < \chi^2 < 220$
- Light cyan-grey line: $220 < \chi^2 < 230$
- Light magenta-grey line: $230 < \chi^2 < 240$
- Light brown-grey line: $240 < \chi^2 < 250$
- Light grey-grey line: $250 < \chi^2 < 260$
- Light blue-grey line: $260 < \chi^2 < 270$
- Light green-grey line: $270 < \chi^2 < 280$
- Light orange-grey line: $280 < \chi^2 < 290$
- Light purple-grey line: $290 < \chi^2 < 300$
- Light pink-grey line: $300 < \chi^2 < 310$
- Light yellow-grey line: $310 < \chi^2 < 320$
- Light cyan-grey line: $320 < \chi^2 < 330$
- Light magenta-grey line: $330 < \chi^2 < 340$
- Light brown-grey line: $340 < \chi^2 < 350$
- Light grey-grey line: $350 < \chi^2 < 360$
- Light blue-grey line: $360 < \chi^2 < 370$
- Light green-grey line: $370 < \chi^2 < 380$
- Light orange-grey line: $380 < \chi^2 < 390$
- Light purple-grey line: $390 < \chi^2 < 400$
- Light pink-grey line: $400 < \chi^2 < 410$
- Light yellow-grey line: $410 < \chi^2 < 420$
- Light cyan-grey line: $420 < \chi^2 < 430$
- Light magenta-grey line: $430 < \chi^2 < 440$
- Light brown-grey line: $440 < \chi^2 < 450$
- Light grey-grey line: $450 < \chi^2 < 460$
- Light blue-grey line: $460 < \chi^2 < 470$
- Light green-grey line: $470 < \chi^2 < 480$
- Light orange-grey line: $480 < \chi^2 < 490$
- Light purple-grey line: $490 < \chi^2 < 500$
- Light pink-grey line: $500 < \chi^2 < 510$
- Light yellow-grey line: $510 < \chi^2 < 520$
- Light cyan-grey line: $520 < \chi^2 < 530$
- Light magenta-grey line: $530 < \chi^2 < 540$
- Light brown-grey line: $540 < \chi^2 < 550$
- Light grey-grey line: $550 < \chi^2 < 560$
- Light blue-grey line: $560 < \chi^2 < 570$
- Light green-grey line: $570 < \chi^2 < 580$
- Light orange-grey line: $580 < \chi^2 < 590$
- Light purple-grey line: $590 < \chi^2 < 600$
- Light pink-grey line: $600 < \chi^2 < 610$
- Light yellow-grey line: $610 < \chi^2 < 620$
- Light cyan-grey line: $620 < \chi^2 < 630$
- Light magenta-grey line: $630 < \chi^2 < 640$
- Light brown-grey line: $640 < \chi^2 < 650$
- Light grey-grey line: $650 < \chi^2 < 660$
- Light blue-grey line: $660 < \chi^2 < 670$
- Light green-grey line: $670 < \chi^2 < 680$
- Light orange-grey line: $680 < \chi^2 < 690$
- Light purple-grey line: $690 < \chi^2 < 700$
- Light pink-grey line: $700 < \chi^2 < 710$
- Light yellow-grey line: $710 < \chi^2 < 720$
- Light cyan-grey line: $720 < \chi^2 < 730$
- Light magenta-grey line: $730 < \chi^2 < 740$
- Light brown-grey line: $740 < \chi^2 < 750$
- Light grey-grey line: $750 < \chi^2 < 760$
- Light blue-grey line: $760 < \chi^2 < 770$
- Light green-grey line: $770 < \chi^2 < 780$
- Light orange-grey line: $780 < \chi^2 < 790$
- Light purple-grey line: $790 < \chi^2 < 800$
- Light pink-grey line: $800 < \chi^2 < 810$
- Light yellow-grey line: $810 < \chi^2 < 820$
- Light cyan-grey line: $820 < \chi^2 < 830$
- Light magenta-grey line: $830 < \chi^2 < 840$
- Light brown-grey line: $840 < \chi^2 < 850$
- Light grey-grey line: $850 < \chi^2 < 860$
- Light blue-grey line: $860 < \chi^2 < 870$
- Light green-grey line: $870 < \chi^2 < 880$
- Light orange-grey line: $880 < \chi^2 < 890$
- Light purple-grey line: $890 < \chi^2 < 900$
- Light pink-grey line: $900 < \chi^2 < 910$
- Light yellow-grey line: $910 < \chi^2 < 920$
- Light cyan-grey line: $920 < \chi^2 < 930$
- Light magenta-grey line: $930 < \chi^2 < 940$
- Light brown-grey line: $940 < \chi^2 < 950$
- Light grey-grey line: $950 < \chi^2 < 960$
- Light blue-grey line: $960 < \chi^2 < 970$
- Light green-grey line: $970 < \chi^2 < 980$
- Light orange-grey line: $980 < \chi^2 < 990$
- Light purple-grey line: $990 < \chi^2 < 1000$

