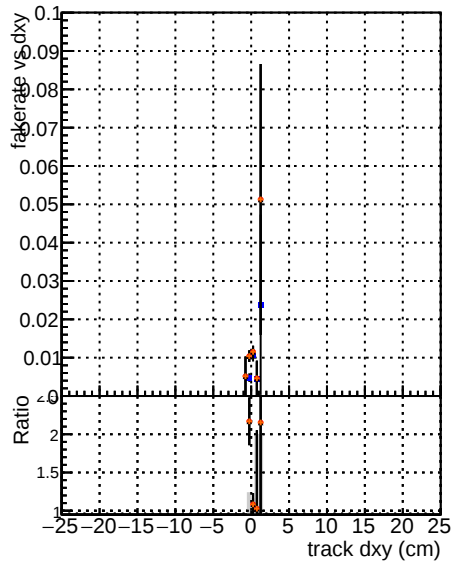
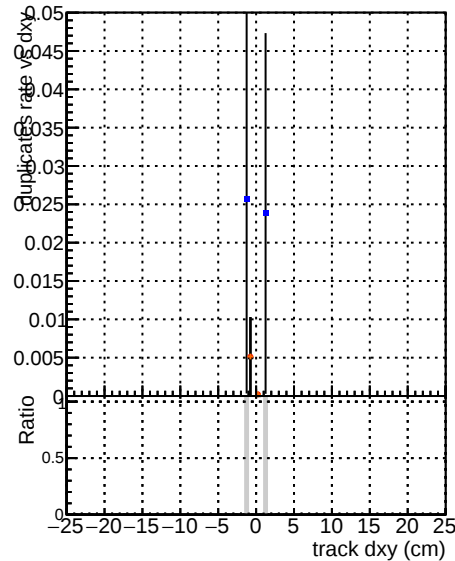


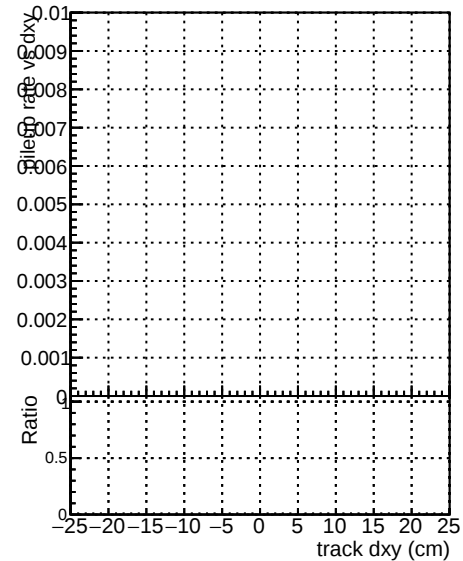
Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy



Fake rate vs dz

● DOM GKE softQCD
● DOM GKE hardQCD
● DOM GKE L1+L2+L3+L4+L5+L6+L7+L8+L9+L10+L11+L12+L13+L14+L15+L16+L17+L18+L19+L20+L21+L22+L23+L24+L25+L26+L27+L28+L29+L30+L31+L32+L33+L34+L35+L36+L37+L38+L39+L40+L41+L42+L43+L44+L45+L46+L47+L48+L49+L50+L51+L52+L53+L54+L55+L56+L57+L58+L59+L60+L61+L62+L63+L64+L65+L66+L67+L68+L69+L70+L71+L72+L73+L74+L75+L76+L77+L78+L79+L80+L81+L82+L83+L84+L85+L86+L87+L88+L89+L90+L91+L92+L93+L94+L95+L96+L97+L98+L99+L100+L101+L102+L103+L104+L105+L106+L107+L108+L109+L110+L111+L112+L113+L114+L115+L116+L117+L118+L119+L120+L121+L122+L123+L124+L125+L126+L127+L128+L129+L130+L131+L132+L133+L134+L135+L136+L137+L138+L139+L140+L141+L142+L143+L144+L145+L146+L147+L148+L149+L150+L151+L152+L153+L154+L155+L156+L157+L158+L159+L160+L161+L162+L163+L164+L165+L166+L167+L168+L169+L170+L171+L172+L173+L174+L175+L176+L177+L178+L179+L180+L181+L182+L183+L184+L185+L186+L187+L188+L189+L190+L191+L192+L193+L194+L195+L196+L197+L198+L199+L200+L201+L202+L203+L204+L205+L206+L207+L208+L209+L210+L211+L212+L213+L214+L215+L216+L217+L218+L219+L220+L221+L222+L223+L224+L225+L226+L227+L228+L229+L230+L231+L232+L233+L234+L235+L236+L237+L238+L239+L240+L241+L242+L243+L244+L245+L246+L247+L248+L249+L250+L251+L252+L253+L254+L255+L256+L257+L258+L259+L260+L261+L262+L263+L264+L265+L266+L267+L268+L269+L270+L271+L272+L273+L274+L275+L276+L277+L278+L279+L280+L281+L282+L283+L284+L285+L286+L287+L288+L289+L290+L291+L292+L293+L294+L295+L296+L297+L298+L299+L300+L301+L302+L303+L304+L305+L306+L307+L308+L309+L310+L311+L312+L313+L314+L315+L316+L317+L318+L319+L320+L321+L322+L323+L324+L325+L326+L327+L328+L329+L330+L331+L332+L333+L334+L335+L336+L337+L338+L339+L340+L341+L342+L343+L344+L345+L346+L347+L348+L349+L350+L351+L352+L353+L354+L355+L356+L357+L358+L359+L360+L361+L362+L363+L364+L365+L366+L367+L368+L369+L370+L371+L372+L373+L374+L375+L376+L377+L378+L379+L380+L381+L382+L383+L384+L385+L386+L387+L388+L389+L390+L391+L392+L393+L394+L395+L396+L397+L398+L399+L400+L401+L402+L403+L404+L405+L406+L407+L408+L409+L410+L411+L412+L413+L414+L415+L416+L417+L418+L419+L420+L421+L422+L423+L424+L425+L426+L427+L428+L429+L430+L431+L432+L433+L434+L435+L436+L437+L438+L439+L440+L441+L442+L443+L444+L445+L446+L447+L448+L449+L450+L451+L452+L453+L454+L455+L456+L457+L458+L459+L460+L461+L462+L463+L464+L465+L466+L467+L468+L469+L470+L471+L472+L473+L474+L475+L476+L477+L478+L479+L480+L481+L482+L483+L484+L485+L486+L487+L488+L489+L490+L491+L492+L493+L494+L495+L496+L497+L498+L499+L500+L501+L502+L503+L504+L505+L506+L507+L508+L509+L510+L511+L512+L513+L514+L515+L516+L517+L518+L519+L520+L521+L522+L523+L524+L525+L526+L527+L528+L529+L530+L531+L532+L533+L534+L535+L536+L537+L538+L539+L540+L541+L542+L543+L544+L545+L546+L547+L548+L549+L550+L551+L552+L553+L554+L555+L556+L557+L558+L559+L560+L561+L562+L563+L564+L565+L566+L567+L568+L569+L570+L571+L572+L573+L574+L575+L576+L577+L578+L579+L580+L581+L582+L583+L584+L585+L586+L587+L588+L589+L590+L591+L592+L593+L594+L595+L596+L597+L598+L599+L600+L601+L602+L603+L604+L605+L606+L607+L608+L609+L610+L611+L612+L613+L614+L615+L616+L617+L618+L619+L620+L621+L622+L623+L624+L625+L626+L627+L628+L629+L630+L631+L632+L633+L634+L635+L636+L637+L638+L639+L640+L641+L642+L643+L644+L645+L646+L647+L648+L649+L650+L651+L652+L653+L654+L655+L656+L657+L658+L659+L660+L661+L662+L663+L664+L665+L666+L667+L668+L669+L670+L671+L672+L673+L674+L675+L676+L677+L678+L679+L680+L681+L682+L683+L684+L685+L686+L687+L688+L689+L690+L691+L692+L693+L694+L695+L696+L697+L698+L699+L700+L701+L702+L703+L704+L705+L706+L707+L708+L709+L710+L711+L712+L713+L714+L715+L716+L717+L718+L719+L720+L721+L722+L723+L724+L725+L726+L727+L728+L729+L730+L731+L732+L733+L734+L735+L736+L737+L738+L739+L740+L741+L742+L743+L744+L745+L746+L747+L748+L749+L750+L751+L752+L753+L754+L755+L756+L757+L758+L759+L760+L761+L762+L763+L764+L765+L766+L767+L768+L769+L770+L771+L772+L773+L774+L775+L776+L777+L778+L779+L780+L781+L782+L783+L784+L785+L786+L787+L788+L789+L790+L791+L792+L793+L794+L795+L796+L797+L798+L799+L800+L801+L802+L803+L804+L805+L806+L807+L808+L809+L810+L811+L812+L813+L814+L815+L816+L817+L818+L819+L820+L821+L822+L823+L824+L825+L826+L827+L828+L829+L830+L831+L832+L833+L834+L835+L836+L837+L838+L839+L840+L841+L842+L843+L844+L845+L846+L847+L848+L849+L850+L851+L852+L853+L854+L855+L856+L857+L858+L859+L860+L861+L862+L863+L864+L865+L866+L867+L868+L869+L870+L871+L872+L873+L874+L875+L876+L877+L878+L879+L880+L881+L882+L883+L884+L885+L886+L887+L888+L889+L890+L891+L892+L893+L894+L895+L896+L897+L898+L899+L900+L901+L902+L903+L904+L905+L906+L907+L908+L909+L910+L911+L912+L913+L914+L915+L916+L917+L918+L919+L920+L921+L922+L923+L924+L925+L926+L927+L928+L929+L930+L931+L932+L933+L934+L935+L936+L937+L938+L939+L940+L941+L942+L943+L944+L945+L946+L947+L948+L949+L950+L951+L952+L953+L954+L955+L956+L957+L958+L959+L960+L961+L962+L963+L964+L965+L966+L967+L968+L969+L970+L971+L972+L973+L974+L975+L976+L977+L978+L979+L980+L981+L982+L983+L984+L985+L986+L987+L988+L989+L990+L991+L992+L993+L994+L995+L996+L997+L998+L999+L1000+L1001+L1002+L1003+L1004+L1005+L1006+L1007+L1008+L1009+L1010+L1011+L1012+L1013+L1014+L1015+L1016+L1017+L1018+L1019+L1020+L1021+L1022+L1023+L1024+L1025+L1026+L1027+L1028+L1029+L1030+L1031+L1032+L1033+L1034+L1035+L1036+L1037+L1038+L1039+L1040+L1041+L1042+L1043+L1044+L1045+L1046+L1047+L1048+L1049+L1050+L1051+L1052+L1053+L1054+L1055+L1056+L1057+L1058+L1059+L1060+L1061+L1062+L1063+L1064+L1065+L1066+L1067+L1068+L1069+L1070+L1071+L1072+L1073+L1074+L1075+L1076+L1077+L1078+L1079+L1080+L1081+L1082+L1083+L1084+L1085+L1086+L1087+L1088+L1089+L1090+L1091+L1092+L1093+L1094+L1095+L1096+L1097+L1098+L1099+L1100+L1101+L1102+L1103+L1104+L1105+L1106+L1107+L1108+L1109+L1110+L1111+L1112+L1113+L1114+L1115+L1116+L1117+L1118+L1119+L1120+L1121+L1122+L1123+L1124+L1125+L1126+L1127+L1128+L1129+L1130+L1131+L1132+L1133+L1134+L1135+L1136+L1137+L1138+L1139+L1140+L1141+L1142+L1143+L1144+L1145+L1146+L1147+L1148+L1149+L1150+L1151+L1152+L1153+L1154+L1155+L1156+L1157+L1158+L1159+L1160+L1161+L1162+L1163+L1164+L1165+L1166+L1167+L1168+L1169+L1170+L1171+L1172+L1173+L1174+L1175+L1176+L1177+L1178+L1179+L1180+L1181+L1182+L1183+L1184+L1185+L1186+L1187+L1188+L1189+L1190+L1191+L1192+L1193+L1194+L1195+L1196+L1197+L1198+L1199+L1200+L1201+L1202+L1203+L1204+L1205+L1206+L1207+L1208+L1209+L1210+L1211+L1212+L1213+L1214+L1215+L1216+L1217+L1218+L1219+L1220+L1221+L1222+L1223+L1224+L1225+L1226+L1227+L1228+L1229+L1230+L1231+L1232+L1233+L1234+L1235+L1236+L1237+L1238+L1239+L1240+L1241+L1242+L1243+L1244+L1245+L1246+L1247+L1248+L1249+L1250+L1251+L1252+L1253+L1254+L1255+L1256+L1257+L1258+L1259+L1260+L1261+L1262+L1263+L1264+L1265+L1266+L1267+L1268+L1269+L1270+L1271+L1272+L1273+L1274+L1275+L1276+L1277+L1278+L1279+L1280+L1281+L1282+L1283+L1284+L1285+L1286+L1287+L1288+L1289+L1290+L1291+L1292+L1293+L1294+L1295+L1296+L1297+L1298+L1299+L1300+L1301+L1302+L1303+L1304+L1305+L1306+L1307+L1308+L1309+L1310+L1311+L1312+L1313+L1314+L1315+L1316+L1317+L1318+L1319+L1320+L1321+L1322+L1323+L1324+L1325+L1326+L1327+L1328+L1329+L1330+L1331+L1332+L1333+L1334+L1335+L1336+L1337+L1338+L1339+L1340+L1341+L1342+L1343+L1344+L1345+L1346+L1347+L1348+L1349+L1350+L1351+L1352+L1353+L1354+L1355+L1356+L1357+L1358+L1359+L1360+L1361+L1362+L1363+L1364+L1365+L1366+L1367+L1368+L1369+L1370+L1371+L1372+L1373+L1374+L1375+L1376+L1377+L1378+L1379+L1380+L1381+L1382+L1383+L1384+L1385+L1386+L1387+L1388+L1389+L1390+L1391+L1392+L1393+L1394+L1395+L1396+L1397+L1398+L1399+L1400+L1401+L1402+L1403+L1404+L1405+L1406+L1407+L1408+L1409+L1410+L1411+L1412+L1413+L1414+L1415+L1416+L1417+L1418+L1419+L1420+L1421+L1422+L1423+L1424+L1425+L1426+L1427+L1428+L1429+L1430+L1431+L1432+L1433+L1434+L1435+L1436+L1437+L1438+L1439+L1440+L1441+L1442+L1443+L1444+L1445+L1446+L1447+L1448+L1449+L1450+L1451+L1452+L1453+L1454+L1455+L1456+L1457+L1458+L1459+L1460+L1461+L1462+L1463+L1464+L1465+L1466+L1467+L1468+L1469+L1470+L1471+L1472+L1473+L1474+L1475+L1476+L1477+L1478+L1479+L1480+L1481+L1482+L1483+L1484+L1485+L1486+L1487+L1488+L1489+L1490+L1491+L1492+L1493+L1494+L1495+L1496+L1497+L1498+L1499+L1500+L1501+L1502+L1503+L1504+L1505+L1506+L1507+L1508+L1509+L1510+L1511+L1512+L1513+L1514+L1515+L1516+L1517+L1518+L1519+L1520+L1521+L1522+L1523+L1524+L1525+L1526+L1527+L1528+L1529+L1530+L1531+L1532+L1533+L1534+L1535+L1536+L1537+L1538+L1539+L1540+L1541+L1542+L1543+L1544+L1545+L1546+L1547+L1548+L1549+L1550+L1551+L1552+L1553+L1554+L1555+L1556+L1557+L1558+L1559+L1560+L1561+L1562+L1563+L1564+L1565+L1566+L1567+L1568+L1569+L1570+L1571+L1572+L1573+L1574+L1575+L1576+L1577+L1578+L1579+L1580+L1581+L1582+L1583+L1584+L1585+L1586+L1587+L1588+L1589+L1590+L1591+L1592+L1593+L1594+L1595+L1596+L1597+L1598+L1599+L1600+L1601+L1602+L1603+L1604+L1605+L1606+L1607+L1608+L1609+L1610+L1611+L1612+L1613+L1614+L1615+L1616+L1617+L1618+L1619+L1620+L1621+L1622+L1623+L1624+L1625+L1626+L1627+L1628+L1629+L1630+L1631+L1632+L1633+L1634+L1635+L1636+L1637+L1638+L1639+L1640+L1641+L1642+L1643+L1644+L1645+L1646+L1647+L1648+L1649+L1650+L1651+L1652+L1653+L1654+L1655+L1656+L1657+L1658+L1659+L1660+L1661+L1662+L1663+L1664+L1665+L1666+L1667+L1668+L1669+L1670+L1671+L1672+L1673+L1674+L1675+L1676+L1677+L1678+L1679+L1680+L1681+L1682+L1683+L1684+L1685+L1686+L1687+L1688+L1689+L1690+L1691+L1692+L1693+L1694+L1695+L1696+L1697+L1698+L1699+L1700+L1701+L1702+L1703+L1704+L1705+L1706+L1707+L1708+L1709+L1710+L1711+L1712+L1713+L1714+L1715+L1716+L1717+L1718+L1719+L1720+L1721+L1722+L1723+L1724+L1725+L1726+L1727+L1728+L1729+L1730+L1731+L1732+L1733+L1734+L1735+L1736+L1737+L1738+L1739+L1740+L1741+L1742+L1743+L1744+L1745+L1746+L1747+L1748+L1749+L1750+L1751+L1752+L1753+L1754+L1755+L1756+L1757+L1758+L1759+L1760+L1761+L1762+L1763+L1764+L1765+L1766+L1767+L1768+L1769+L1770+L1771+L1772+L1773+L1774+L1775+L1776+L1777+L1778+L1779+L1780+L1781+L1782+L1783+L1784+L1785+L1786+L1787+L1788+L1789+L1790+L1791+L1792+L1793+L1794+L1795+L1796+L1797+L1798+L1799+L1800+L1801+L1802+L1803+L1804+L1805+L1806+L1807+L1808+L1809+L1810+L1811+L1812+L1813+L1814+L1815+L1816+L1817+L1818+L1819+L1820+L1821+L1822+L1823+L1824+L1825+L1826+L1827+L1828+L1829+L1830+L1831+L1832+L1833+L1834+L1835+L1836+L1837+L1838+L1839+L1840+L1841+L1842+L1843+L1844+L1845+L1846+L1847+L1848+L1849+L1850+L1851+L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