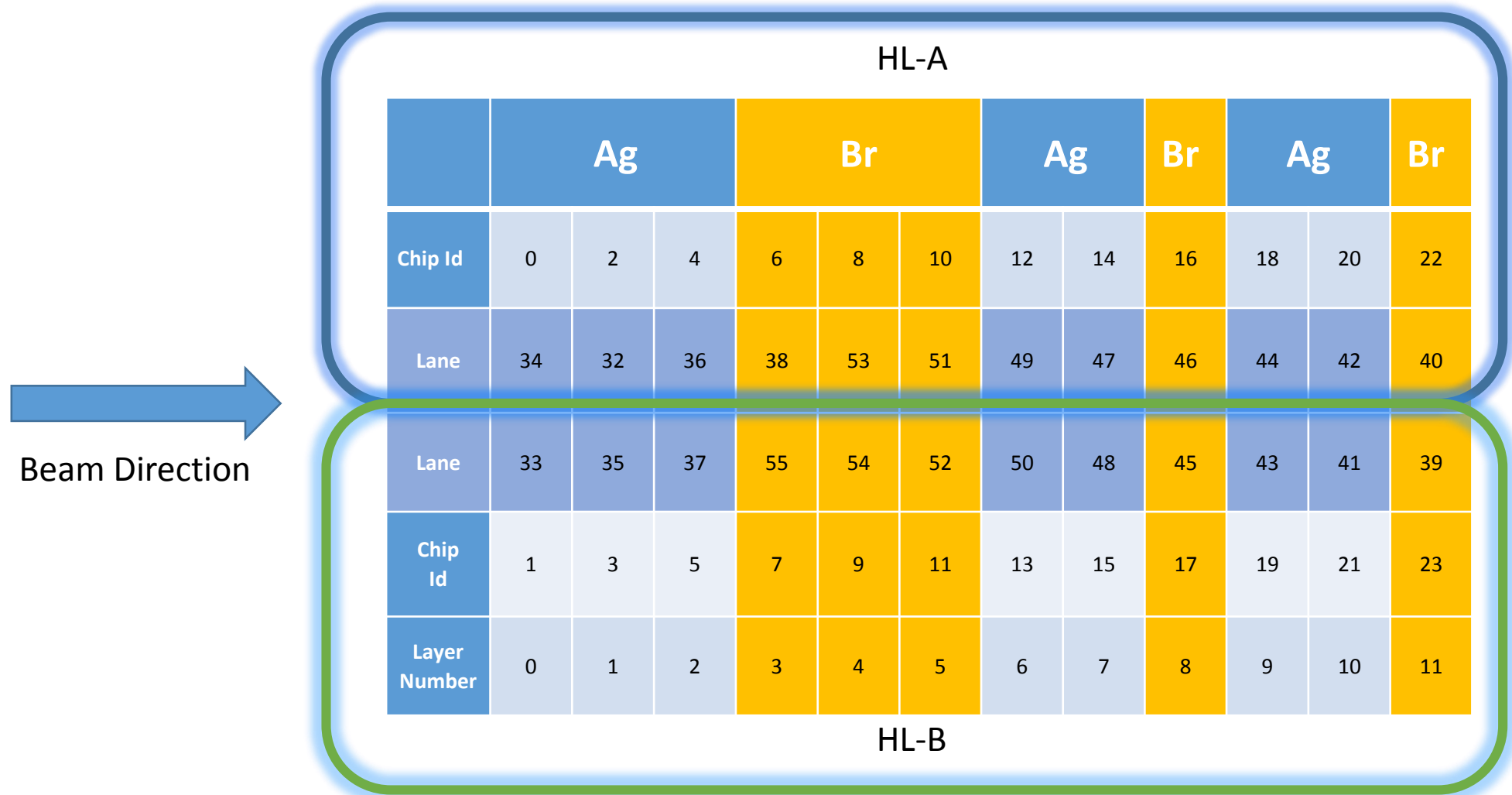


mTower Data Analysis

Qasim Waheed Malik

University of Oslo

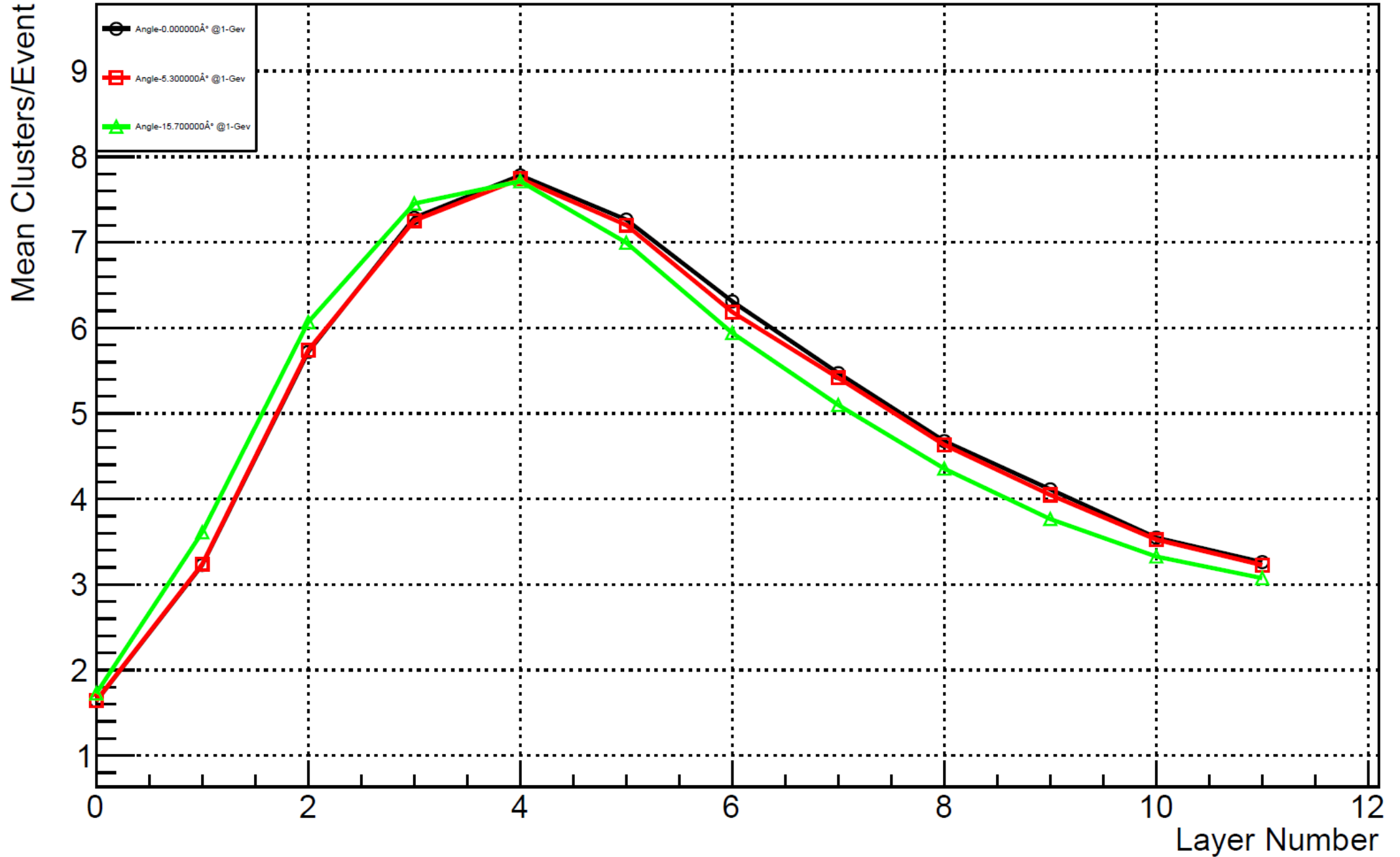
mTower Alpide chip position layout



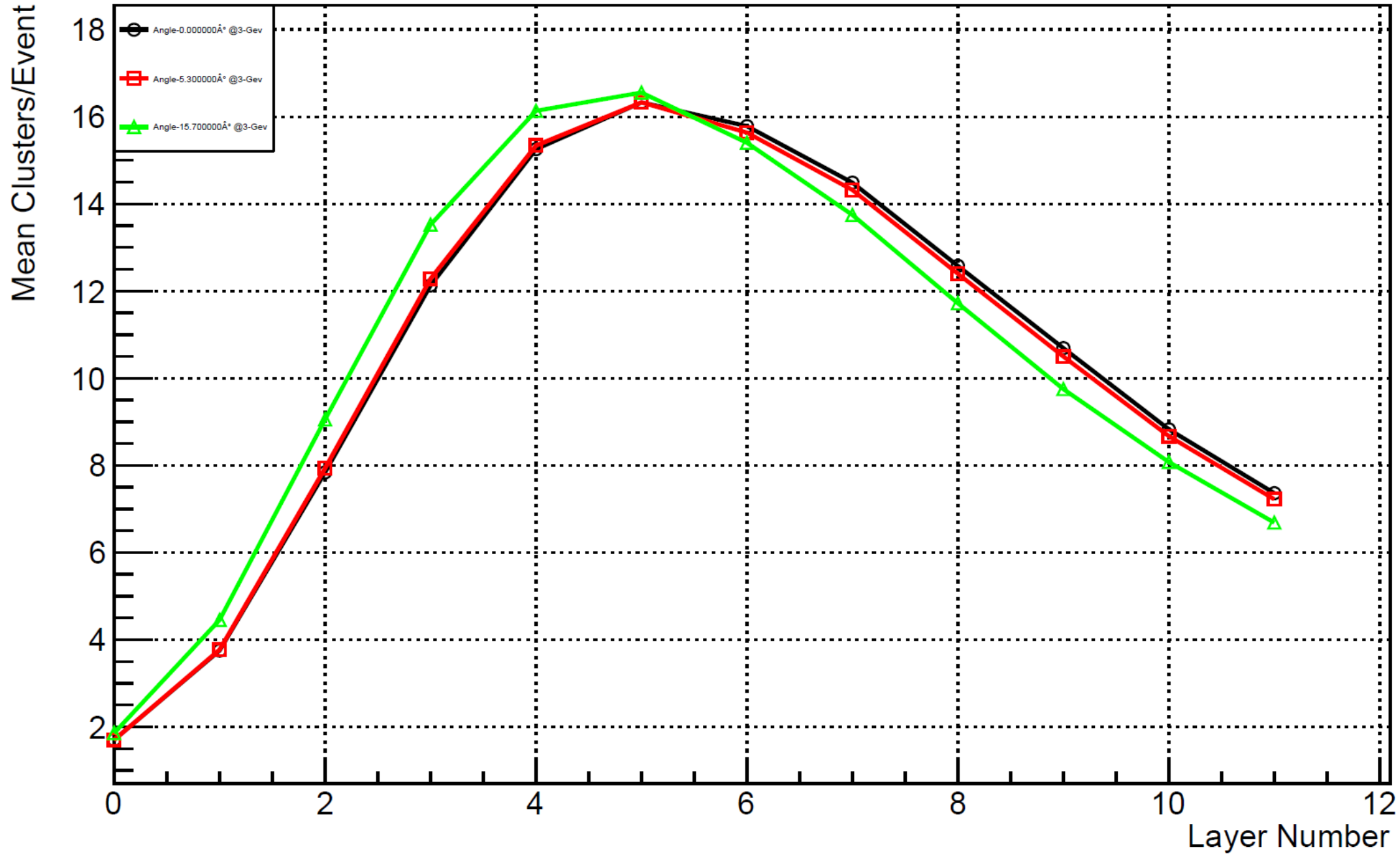
Run Numbers to Study the effect of change in incident beam angle on cluster size and no of clusters/event

| Run No | Energy (Gev) | Source/Ped | Angle | No. of Evts |
|--------|--------------|------------|-------|-------------|
| 304 | 1 | Source | 0 | 290669 |
| 371 | 2 | Source | 0 | 586812 |
| 306 | 3 | Source | 0 | 288853 |
| 301 | 4 | Source | 0 | 290640 |
| 320 | 5 | Source | 0 | 294265 |
| 478 | 1 | Source | 5.3 | 298109 |
| 476 | 2 | Source | 5.3 | 291885 |
| 475 | 3 | Source | 5.3 | 286251 |
| 477 | 4 | Source | 5.3 | 292033 |
| 474 | 5 | Source | 5.3 | 273528 |
| 469 | 1 | Source | 15.7 | 293163 |
| 467 | 2 | Source | 15.7 | 287894 |
| 466 | 3 | Source | 15.7 | 290264 |
| 468 | 4 | Source | 15.7 | 285818 |
| 462 | 5 | Source | 15.7 | 294404 |

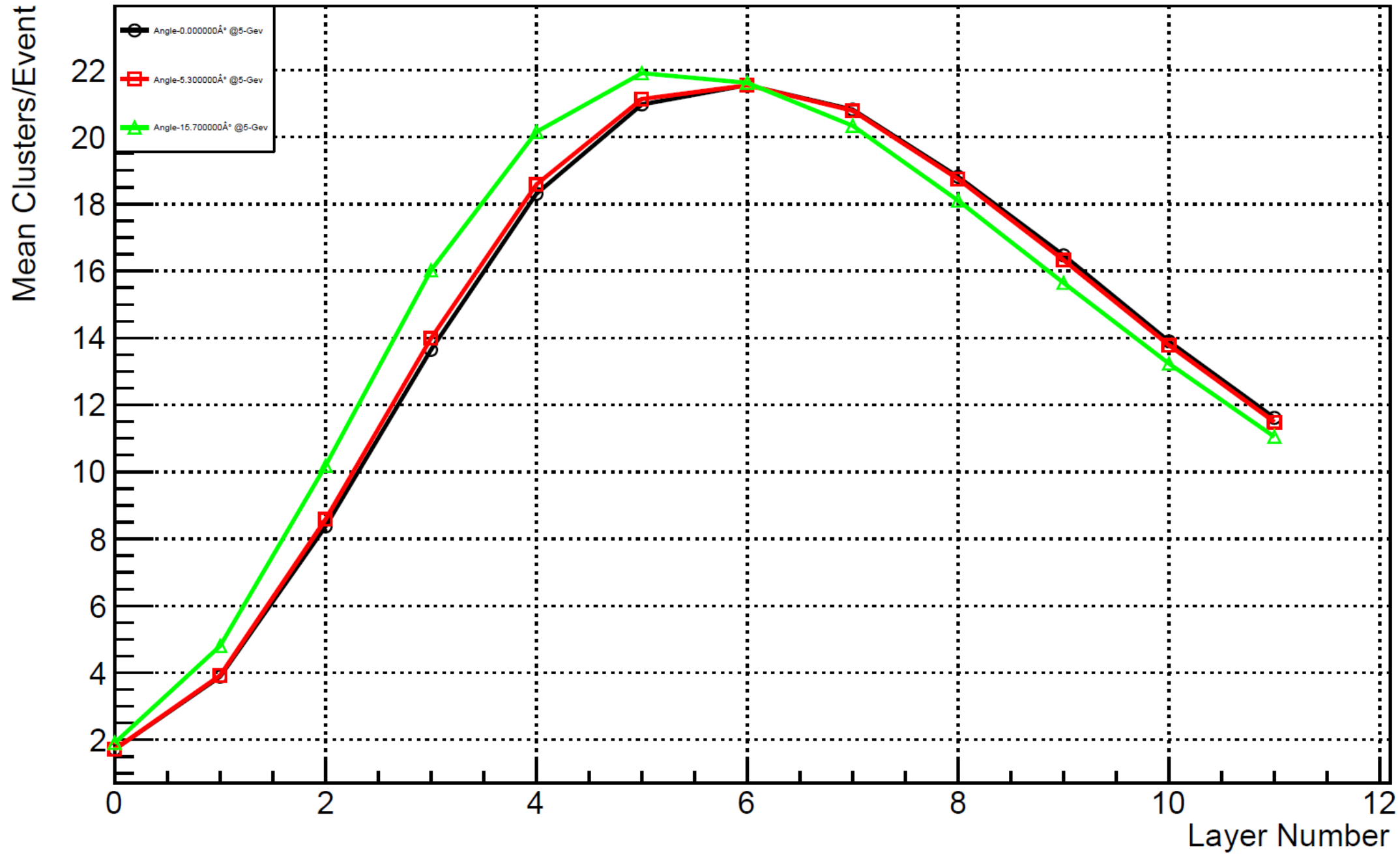
Mean clusters/event Vs layers



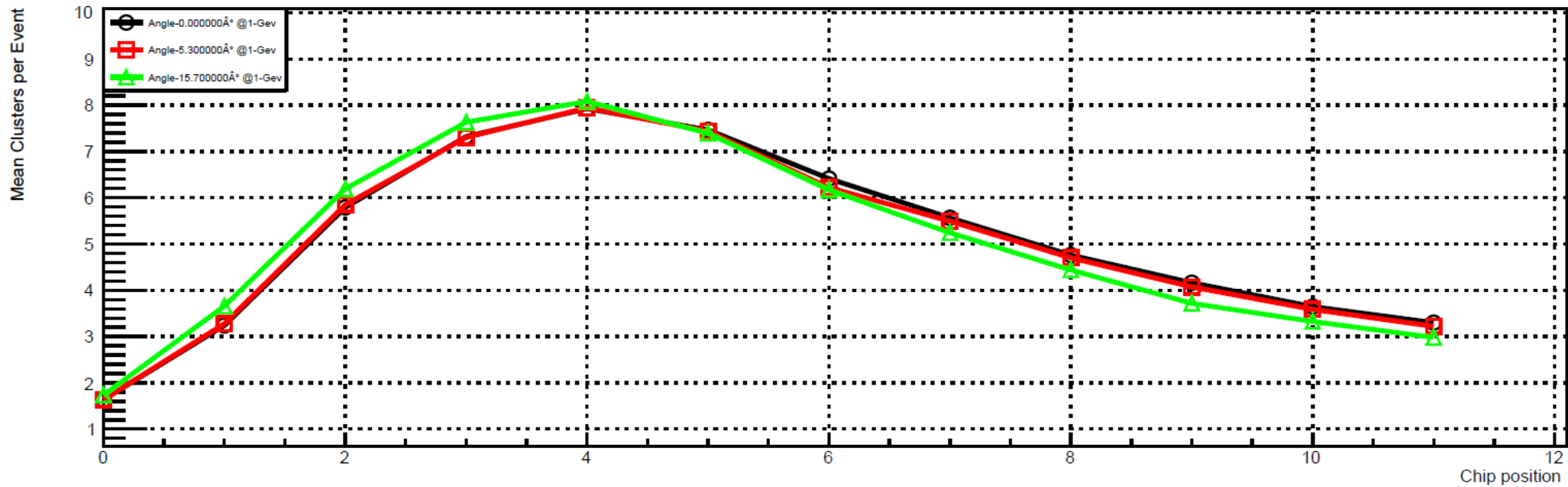
Mean clusters/event Vs layers



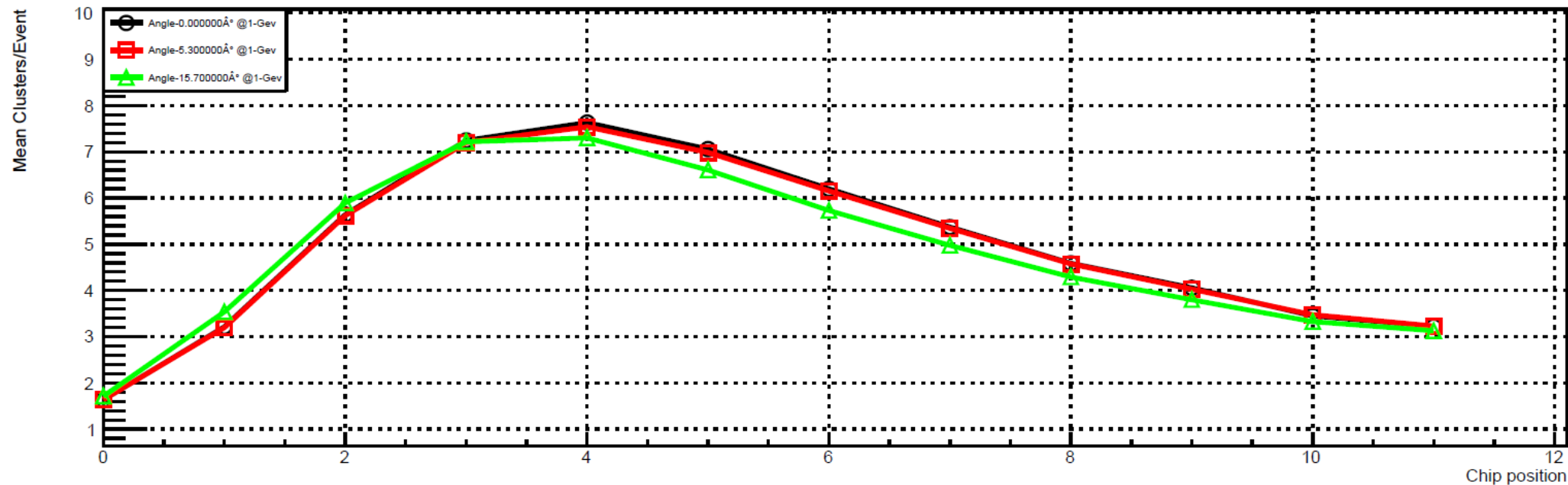
Mean clusters/event Vs layers



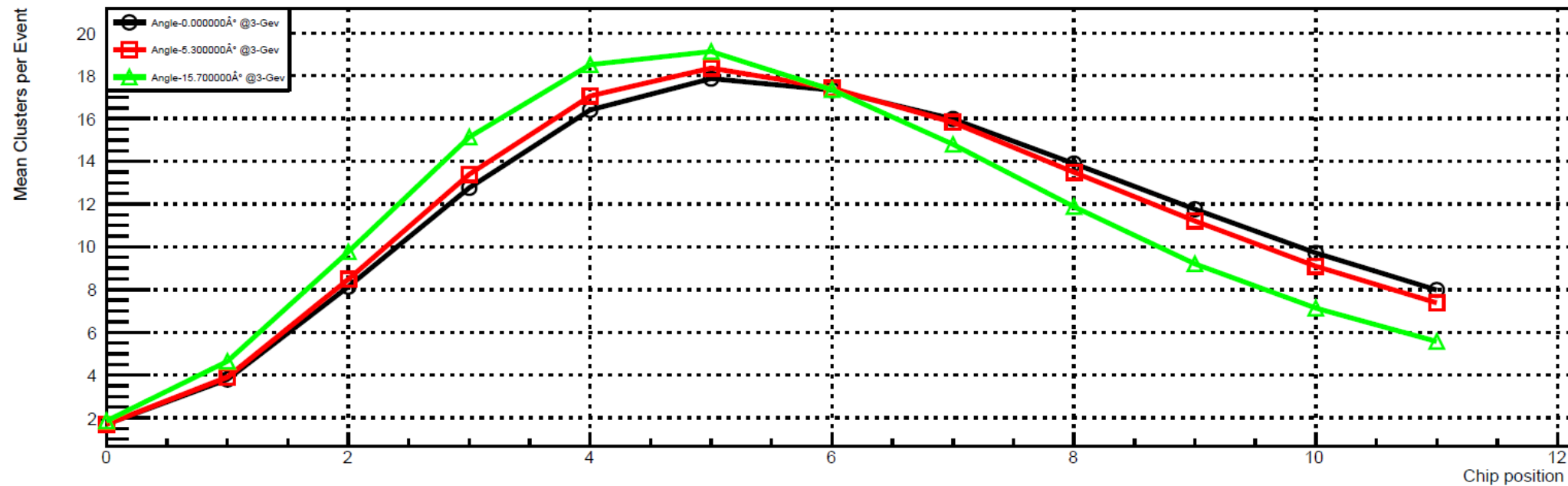
Mean clusters/event Vs HL-A Layer



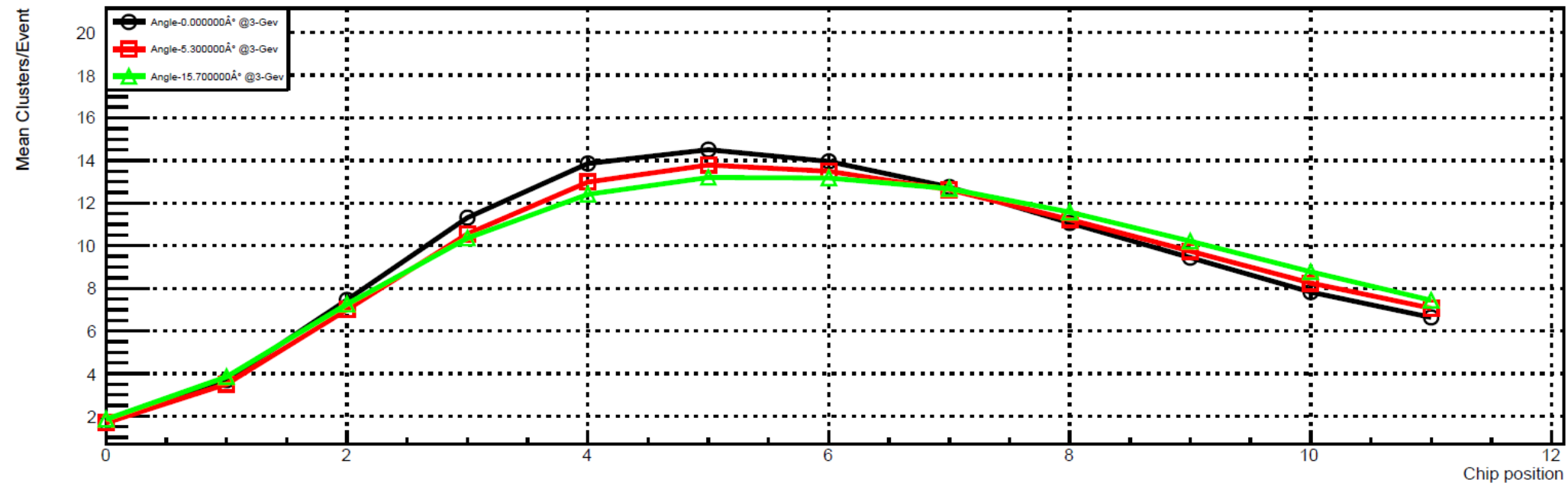
Mean clusters/event Vs HL-B layer



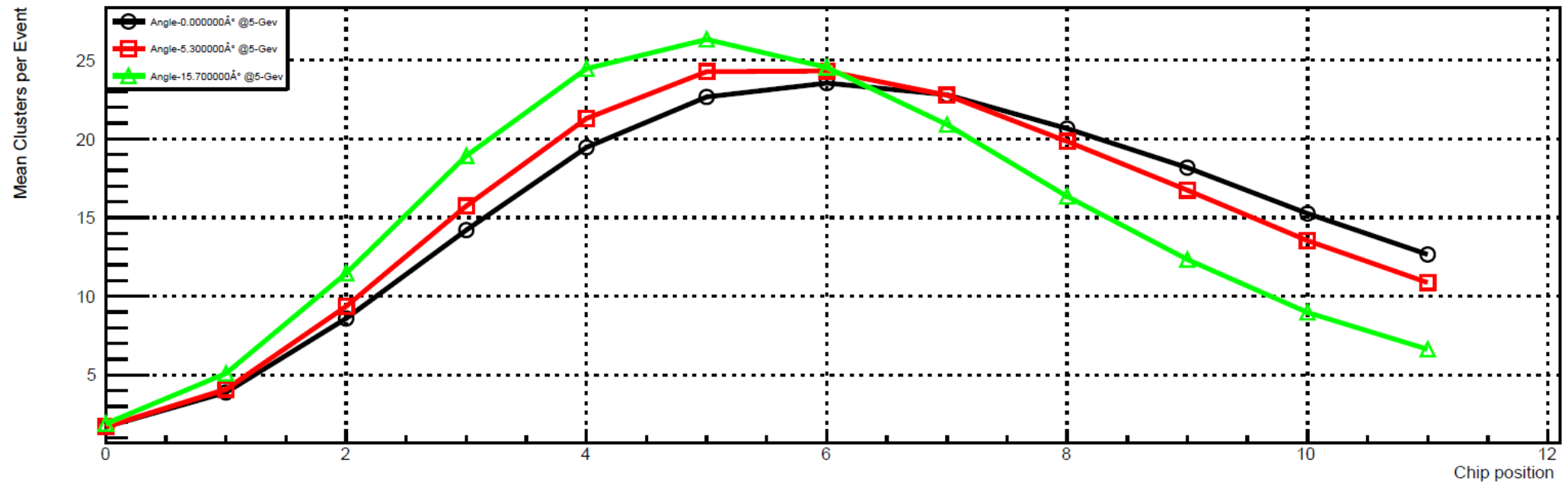
Mean clusters/event Vs HL-A Layer



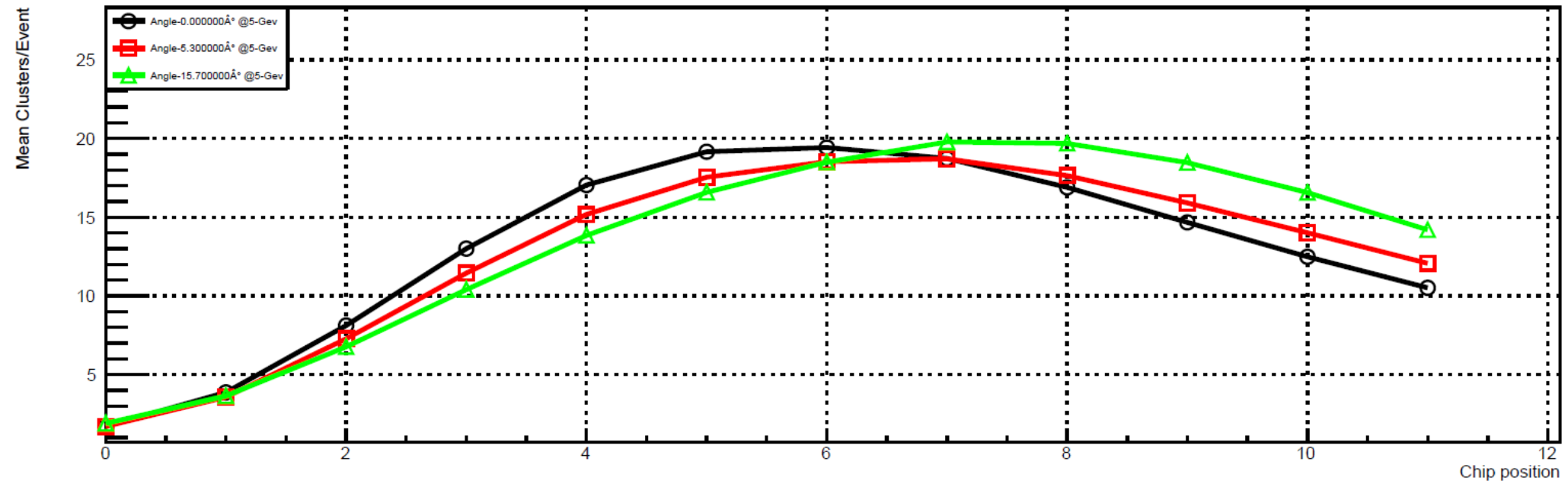
Mean clusters/event Vs HL-B layer



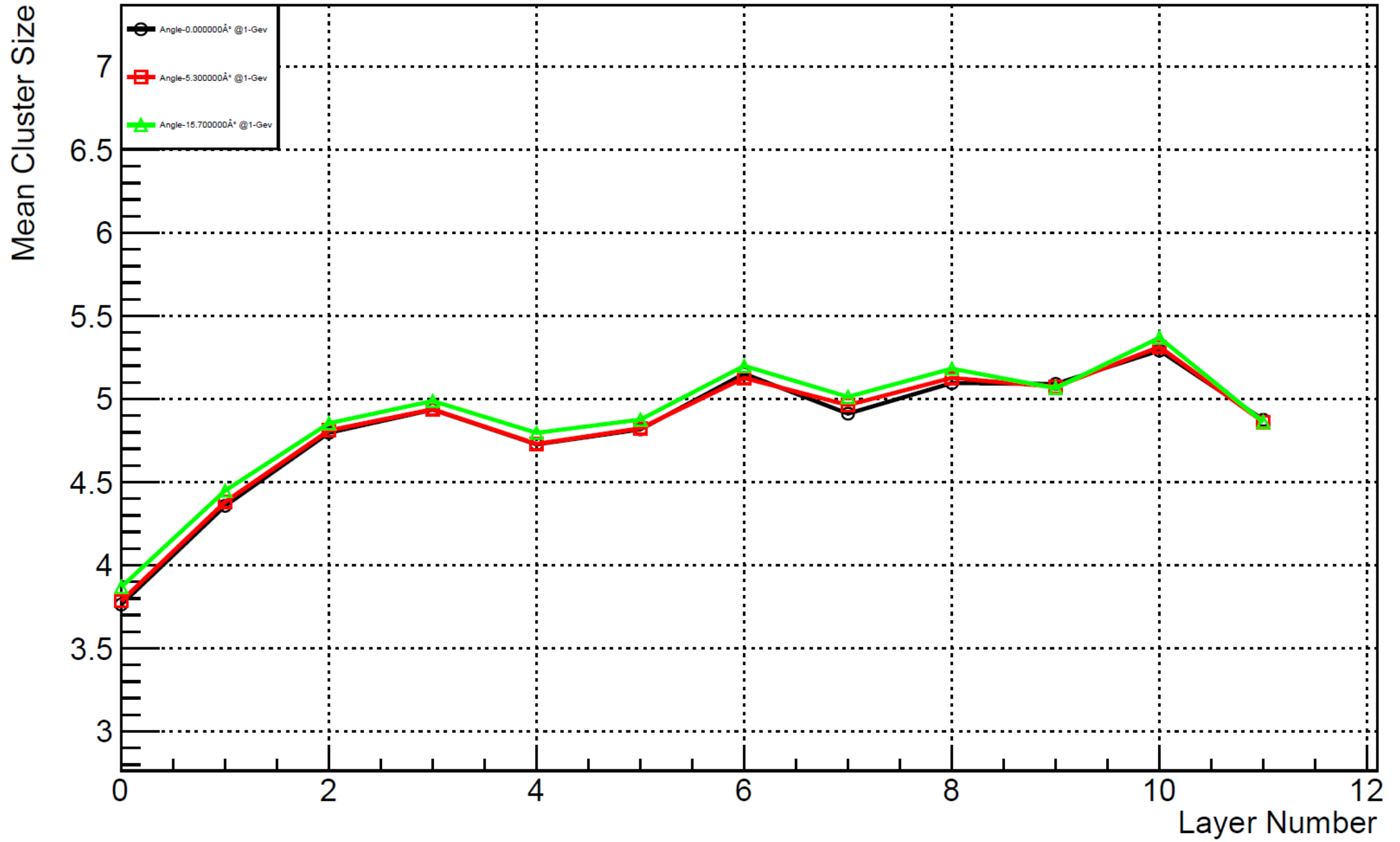
Mean clusters/event Vs HL-A Layer



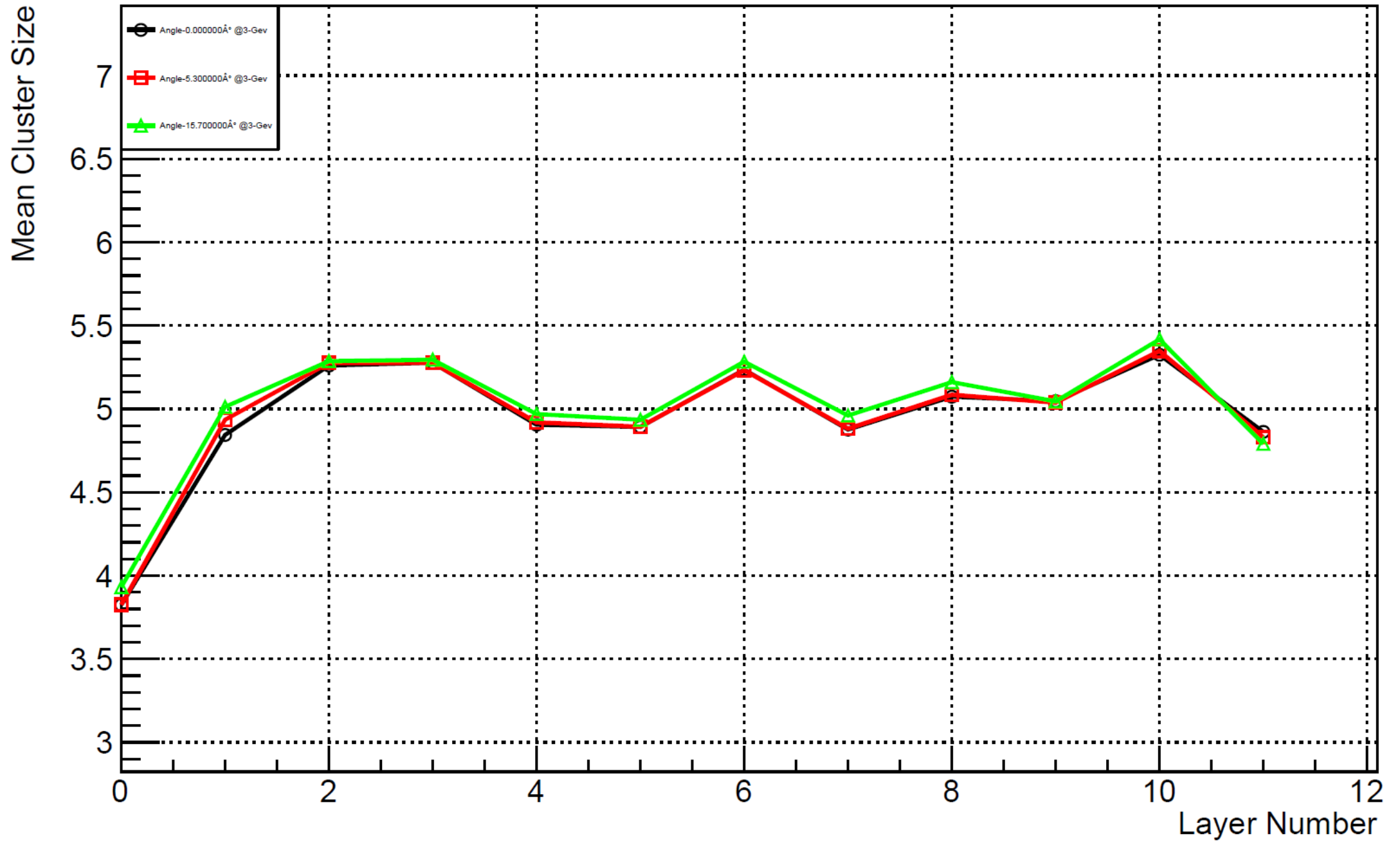
Mean clusters/event Vs HL-B layer



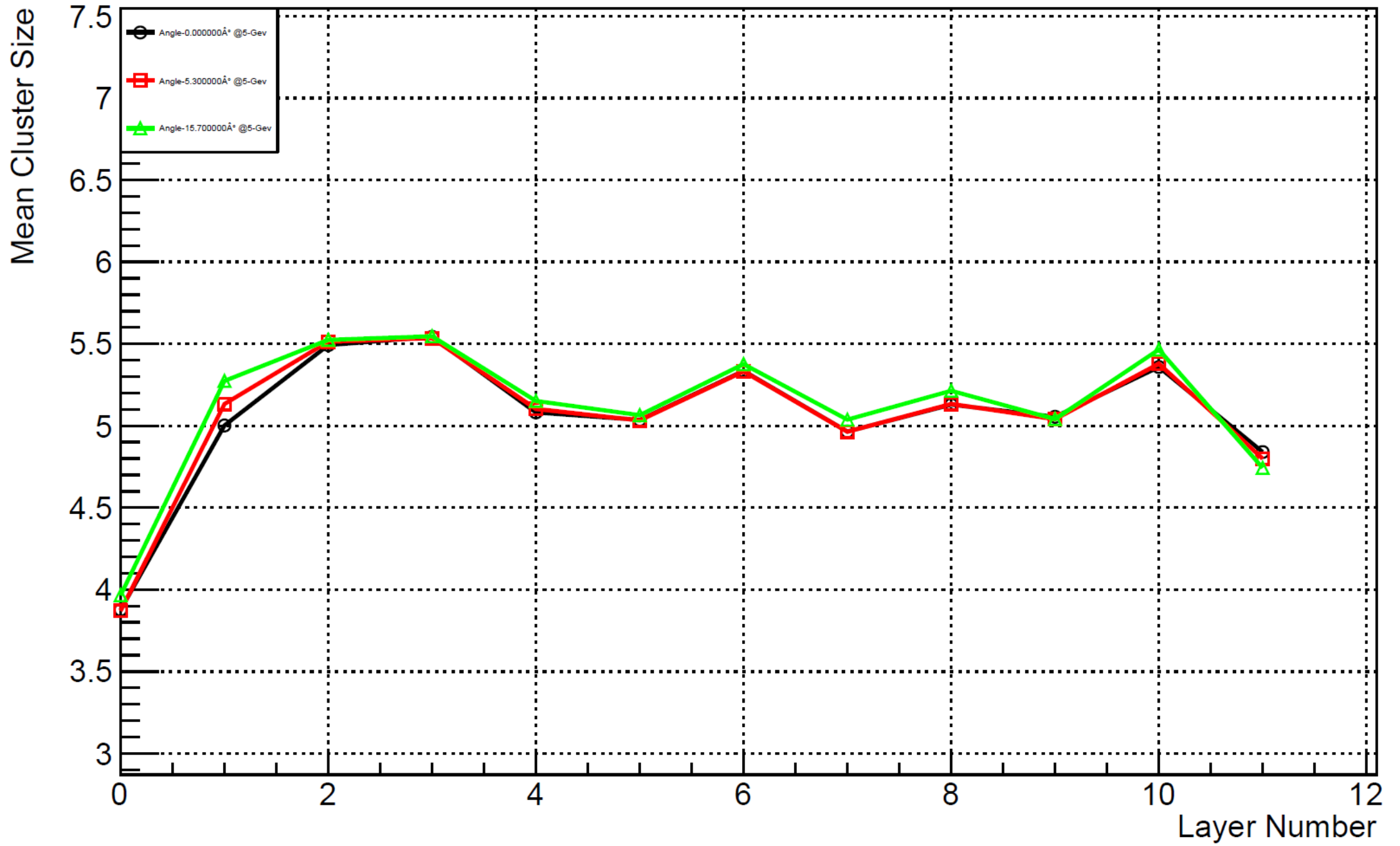
Mean cluster Vs layers



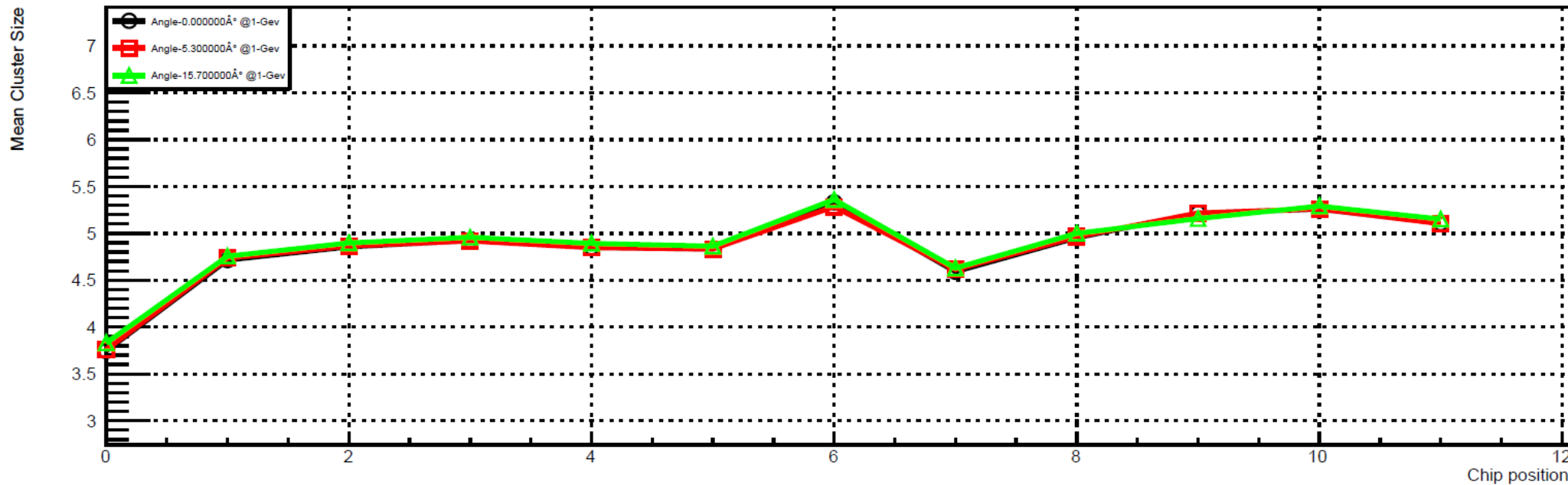
Mean cluster Vs layers



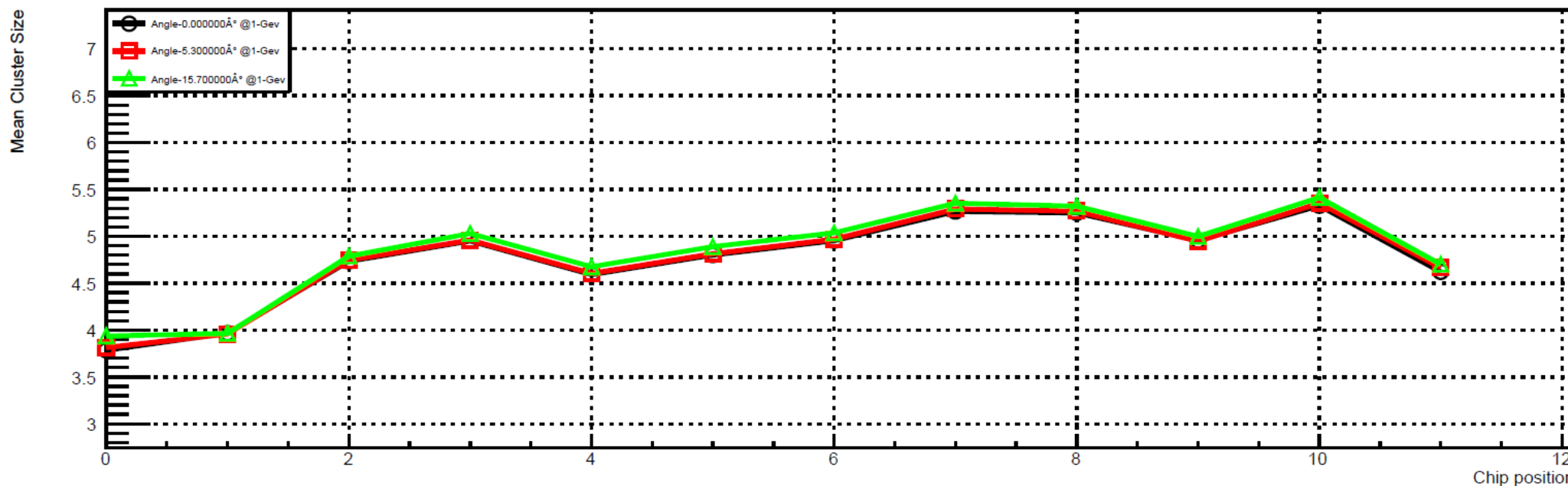
Mean cluster Vs layers



Mean Cluster Vs HL-A Layer



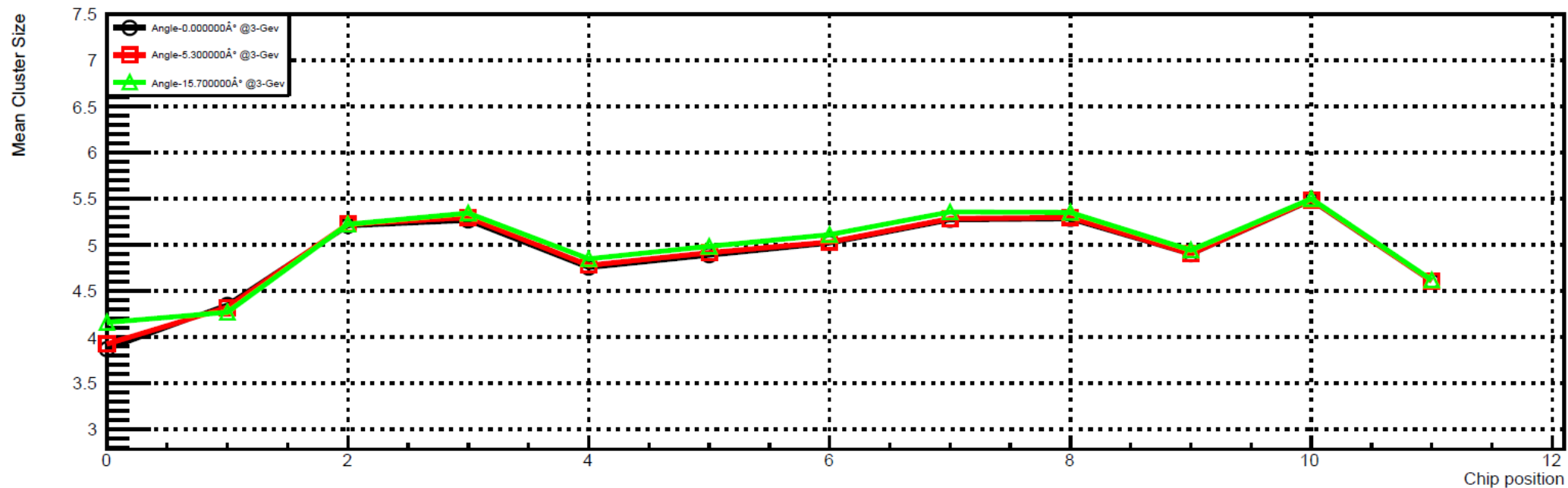
Mean cluster Vs HL-B layer



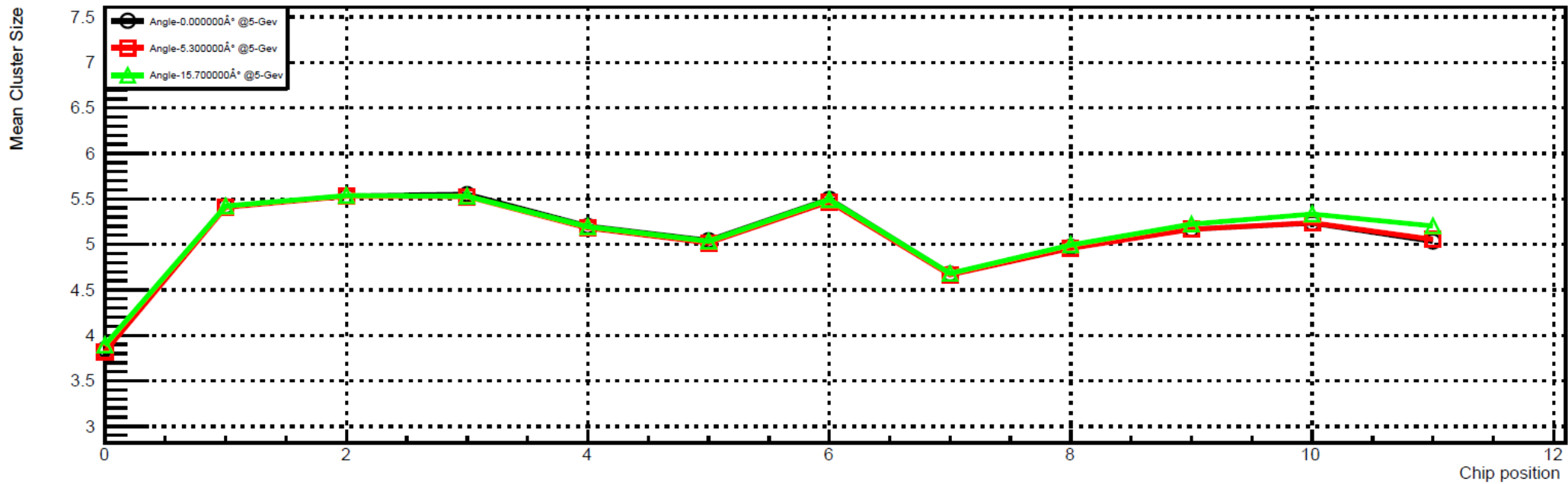
Mean Cluster Vs HL-A Layer



Mean cluster Vs HL-B layer



Mean Cluster Vs HL-A Layer



Mean cluster Vs HL-B layer

