

|   | 2022 | 2023 | 2024 |
|---|------|------|------|
| Average pileup  | 46   | 52   | 57   |
| Integrated luminosity delivered by LHC ( $\text{fb}^{-1}$ ) | 41.5 | 32.7 | 122  |
| Integrated luminosity certified by CMS ( $\text{fb}^{-1}$ ) | 34.7 | 27.9 | 109  |