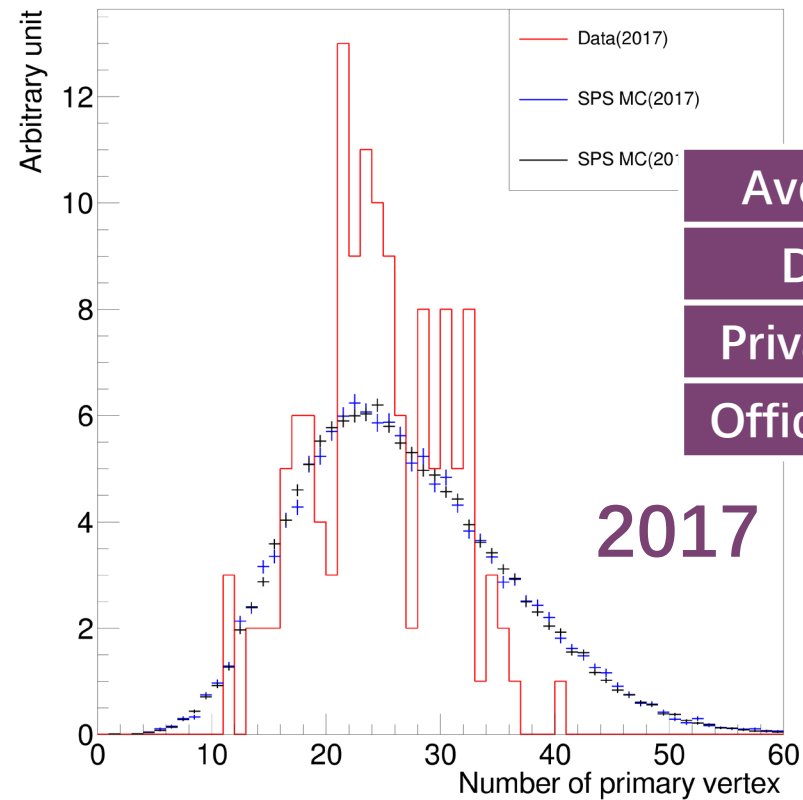
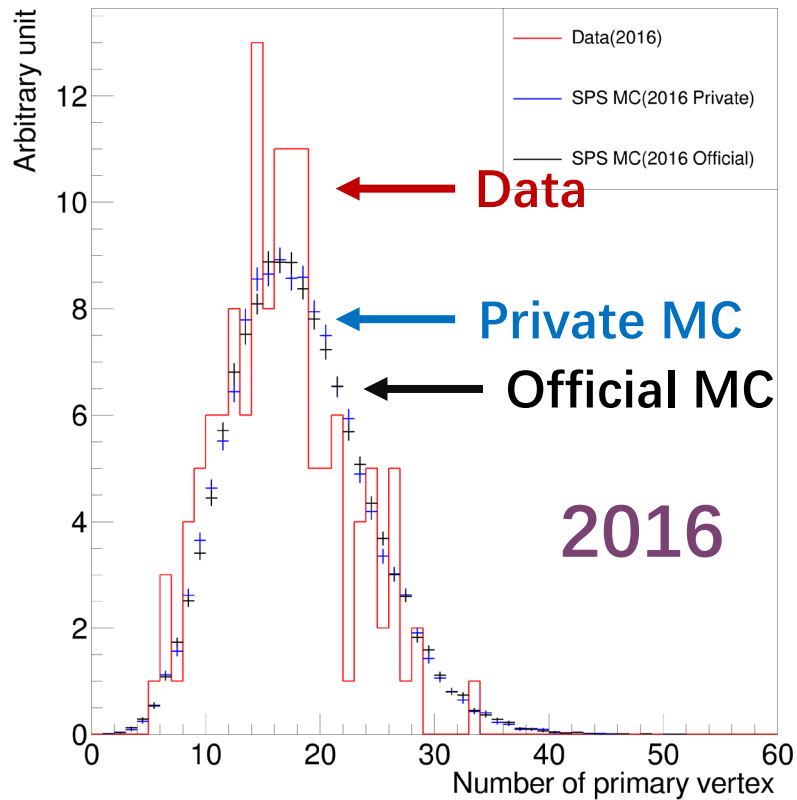




Primary vertex

- The number of primary vertexes is checked:
 - With requirement: four muon fit pass, $p^T(\mu) > 3.5$, $|\eta(\mu)| < 2.4$



Average	2016	2017
Data	16.2	24.0
Private MC	17.6	26.3
Official MC	17.6	26.2