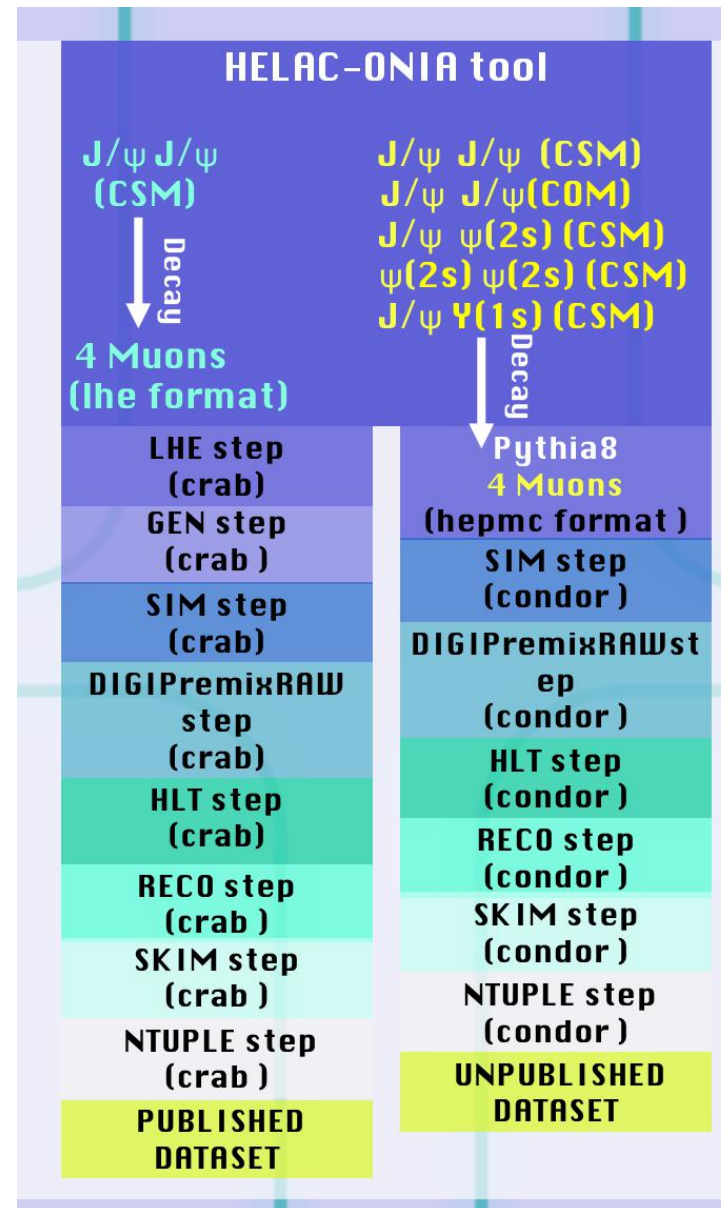


HELAC-ONIA for CMS

- HELAC-ONIA is a Monte Carlo event generator tool for QCD process
- The choice of MC generator of CMS experiment is very limited
- We figured out the method of producing color singlet and color octet Monte Carlo dataset under CMS framework
- Published dataset for SPS background is produced and being used in CMS analysis



HELAC-ONIA for CMS

- Here is the plot of distribution of J/ψ pair mass for SPS background
- The result of HELAC-Onia agrees with official CMS MC dataset produced by Pythia

