

$$\begin{array}{l} \rightarrow + \\ (1) \left( \begin{array}{c} , \\ , \\ , \\ , \end{array} \right) = \\ \left( \begin{array}{c} , \\ , \\ , \\ , \end{array} \right) = \\ ?? \\ \mathcal{L}^{2016} = \\ 35.9^{-1} \\ \mathcal{L}^{2017} = \\ 41.53^{-1} \\ \mathcal{L} = \\ 77.43^{-1} \\ ?? \\ \mathcal{E}_{\mu\nu} \\ ? \\ \mathbb{C}^{++} \\ \text{Python} \\ ? \\ ?? \end{array}$$

$$\begin{array}{l} on- \\ line \\ pos- \\ te- \\ ri- \\ ori \\ of- \\ fine \\ ?? \end{array}$$

$$\begin{array}{l} ?? \\ \Delta R(, ) > \\ 0.5 \\ \widehat{30} \\ ?? \\ lead \\ sub- \\ lead \end{array}$$

$$\begin{array}{l} lead \\ sublead \\ | \eta | \\ particle-flow \\ particle-flow I_{\text{Rel}}^{\text{PF}} < 0.06 \Delta R < 0.3 \end{array}$$

$$\begin{array}{l} | \eta | \\ particle-flow \\ \Delta R(\text{jet}, \text{lepton}) \\ DeepCSV \\ ?? \\ loose \\ work- \\ ing \\ point \\ 2 = \\ \underline{\underline{p}} + p \|^2 \\ \overline{m}^2 + \\ m^2 + \\ 2(EE - \\ \vec{p} \cdot \\ \vec{p}) \\ p_i \\ ?? \\ ?? \end{array}$$

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$$\begin{array}{l} \text{Dans} \\ \text{le} \\ \text{ECAL,} \\ \text{l'\'ecart} \\ \text{en-} \\ \text{tre} \\ \text{le} \\ \text{ton-} \\ \text{neau} \\ \text{(EB)} \end{array}$$