**CMS**

*Simulation Preliminary*

- Red dashed line: $H \rightarrow Z\rho$
- Blue dotted line: $H \rightarrow Z\phi$
- Black solid line: Drell-Yan

Selected region

$\rho$

$Z \rightarrow H$

$\phi$

$Z \rightarrow H$

Drell-Yan

Arbitrary units

Leading track $p_T$ [GeV]

The graph shows the distribution of leading track $p_T$ for different decay modes of the Higgs boson. The selected region indicates the range of $p_T$ values for which the signal is expected to be strongest.