\textbf{LHCb}

\begin{center}
\begin{tikzpicture}
\begin{axis}[
    xlabel={$m(K\pi) \text{ [MeV}/c^2]$},
    ylabel={arg($M_0$) [rad]},
    xmin=800, xmax=1600,
    ymin=0, ymax=2.5,
    xtick={800,1000,1200,1400,1600},
    ytick={0,0.5,1,1.5,2,2.5},
    xticklabels={800,1000,1200,1400,1600},
    yticklabels={0,0.5,1,1.5,2,2.5},
    legend pos=north west,
]
\addplot[blue, thick, smooth] coordinates {
    (800,0.1)
    (1000,0.2)
    (1200,0.3)
    (1400,0.4)
    (1600,0.5)
};
\addplot[red, dotted, thick, smooth] coordinates {
    (800,0.1)
    (1000,0.2)
    (1200,0.3)
    (1400,0.4)
    (1600,0.5)
};
\legend{LHCb}
\end{axis}
\end{tikzpicture}
\end{center}