The graph shows the HMPID Cherenkov angle (rad) for different particle types at a proton-proton collision energy of \( \sqrt{s} = 7 \text{ TeV} \). The particles are labeled as p (protons), K (kaons), and \( \pi \) (pions). The data points are distributed according to their momentum \( p \) (GeV/c) and Cherenkov angle.