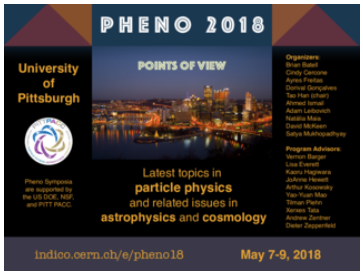

Contribution ID: **505** Type: **parallel talk**

Momentum Distributions for the $D^0\bar{D}^0\pi^0$ and $D^0\bar{D}^0\gamma$ decay modes of the X(3872) resonance

Monday 7 May 2018 17:45 (15 minutes)

The momentum distributions for the $D^0\bar{D}^0\pi^0$ and $D^0\bar{D}^0\gamma$ decay modes of the X(3872) resonance are calculated with the widths of D^{*0} and X(3872) taken into account. The momentum distributions for the D^0 have a double peaked structure, with the first peak below 10 MeV and the second peak near 40 MeV for the $D^0\bar{D}^0\pi^0$ decay mode and near 140 MeV for the $D^0\bar{D}^0\gamma$ decay mode. The widths of the peaks are sensitive to the binding energy and width of the X(3872).

Summary

Exotic hadrons

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