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## Strong decays of the latest LHCb pentaquark candidates in hadronic molecule pictures

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We investigate the observed pentaquark candidates  $P_c(4312)$ ,  $P_c(4440)$  and  $P_c(4457)$  from the latest LHCb measurement, as well as four possible spin partners in the  $\bar{D}^{(*)}\Sigma_c^*$  system predicted from the heavy quark spin symmetry with the hadronic molecule scenarios. Similar to the previous calculation on  $P_c(4380)$  and  $P_c(4450)$ , the partial widths of all the allowed decay channels for these  $P_c$  states are estimated with the effective Lagrangian method. The cutoff dependence of our numerical results are also presented. Comparing with the experimental widths, our results show that  $P_c(4312)$ ,  $P_c(4440)$  and  $P_c(4457)$  can be described well with the spin-parity- $1/2^-$ - $\bar{D}\Sigma_c$ ,  $1/2^-$ - $\bar{D}^*\Sigma_c$  and  $3/2^-$ - $\bar{D}^*\Sigma_c$  molecule pictures, respectively.

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