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Neutron transfer to the unbound states of  $^{11}\text{Be}$  and  $^{13}\text{C}$

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The nucleon transfer reactions as well as the inelastic scattering data are valuable source of information. We present the results of the analysis of  $^{12}\text{C}(d,p)^{13}\text{C}$  ( $5/2^-$ ,  $E_x = 3.854$  MeV) reaction at incident deuteron

Fig.1 Comparison of the differential cross sections of the  $^{10}\text{Be}(d,p)^{11}\text{Be}$  reaction populated 1.785-MeV  $5/2^+$  state calculated with the resonant (dashed line) and quasi-bound (solid line)  $n + ^{10}\text{Be}$  wave functions.

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