

$\pi NN$  and  $\Delta\pi N$  Couplings in a Relativistic Quark Model Approach

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Abstract: Based on a relativistic quark model approach, the decay of  $\Delta^{++} \rightarrow \pi^+ p$ , and the coupling constants of  $g_{\Delta\pi N}$  and  $g_{\pi NN}$  are studied. Our results are compared with data and empirical values.

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Key words: relativistic quark model,  $\Delta(1232)$ , coupling constant

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