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Electromagnetic form factor of nucleon resonances from meson production N. SUZUKI, Osaka University, B. JULIA-DIAZ, Universitat de Barcelona, H. KAMANO, Jefferson Laboratory, T.-S. H. LEE, Argonne National Laboratory, A. MATSUYAMA, Shizuoka University, T. SATO, Osaka University — The nucleon resonances appear as poles of the scattering amplitudes on the complex energy plane. The masses of N^* and the electromagnetic NN^* transition form factors are obtained from the pole positions and the residues of the scattering amplitudes. We have developed a method of analytic continuation to extract resonance parameters from the amplitudes of the dynamical reaction model, which includes unstable particle channels such as $\pi\Delta$, σN and ρN . We apply the method for the πN and $\gamma^* N$ amplitudes from our coupled channel model of meson production reactions. The extracted NN^* form factors for a few N^* resonances will be presented.

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