The 12th International Workshop on the Physics of Excited Nucleons

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## Spanning the Space-like and Time-like Divide

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The study of electromagnetic transitions opens a window into the very nature of the strong interaction. And, indeed, such a study of how a ground-state nucleon transitions to an excited state, over a broad range of  $q^2$ , will provide keen insight into the evolution of how dynamically-generated masses emerge from the asymptotically-free, nearly massless quarks of perturbative QCD as well as provide information on the ancillary effects from the meson-baryon cloud. The space-like ( $q^2$ <0) region has been explored more intensively, particularly at JLab, but efforts have also begun in studying the time-like ( $q^2$ >0) region at GSI. We initiated these discussions at the May 2017 ECT*workshop, which was entitled space-like and time-like electromagnetic baryonic transitions. The ECT* workshop established the need and made the first steps towards a consistent description spanning the two kinematical regimes in  $q^2$ . This talk will continue the discussions of space-like and time-like baryonic transition form factors.

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**Track Classification:** Baryon structure through meson electroproduction, transition form factors, and time-like form factors