SuSA group

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Current and future activity

- The model exploits the **superscaling** properties of electron scattering data in order to connect electron and neutrino scattering: the former must be used to validate models applied to the latter and can be used to predict it.

- The most recent version of the model (SuSAv2) implements effects of **Relativistic Mean Field** theory which go beyond the original model (differences in the L and T channels, isospin effects)

- **Meson exchange currents** are included in the 2p2h sector

- The model has been validated versus all available electron scattering inclusive data on Carbon and then applied to all available neutrino data (MiniBooNE, T2K, MINERvA, NOMAD)

- **Future projects**: extension to higher kinematics and different nuclei

- Ongoing efforts to implement the model in **Monte Carlo generators**, in collaboration with experimental groups