

LEPLAr - day 2 panel on particle interactions & propagation

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1. What existing datasets should be analyzed/produced to provide improved inputs for particle transport simulations? Are these inputs sufficient, or are additional datasets (i.e. new experiments) necessary?
2. What energy regime for neutron interactions do you think is least well-understood? In what ways? What can be done about it? How much of our current description in G4 / FLUKA is based on real data vs. ad-hoc extrapolations?
3. What do you see as the most pressing tasks for modeling particle propagation and light/charge simulation in order to achieve DUNE's low-energy physics program?