NEUTRINOS AND NUCLEAR/HADRONIC PHYSICS

considerable attention, in particular because they are used to detect neutrinos. The Neutrino-hadron and neutrino-nucleus scattering processes are receiving precision required for the experiments is always increasing ightarrow the modeling of the cross sections must be very good.

models ightarrow possibility to make nuclear physics studies with neutrinos as is done with New experiments will now measure the cross sections in order to test the theoretical

subdivision is not possible. However one can roughly consider the following scheme: Neutrino-hadron scattering physics enters many fields of investigation and a strict

- Physics of neutrino detectors: -> calculations of detectors response to solar, supernova, atmospheric and "terrestrial" neutrinos ightarrow models of u-nucleus interaction are needed over a wide range of neutrinos energies
- Studies of nuclear and hadronic structure
- ν-nucleus interactions as input in description of astrophysical processes