

CONDITION OF APPLICABILITY OF HM:

Solely within mutual distances of particles of the order of 1 Fermi

Recovering quantum mechanics identically for bigger distances (1978):

$$\text{Lim}_{r \gg 1f} \hat{T} = 1, \quad \text{HM} \rightarrow \text{QM}$$

R. M. Santilli, "Need of subjecting to an experimental verification the validity within a hadron of Einstein special relativity and Pauli exclusion principle," *Hadronic J.* **1**, 574-901 (1978), available in free pdf download from

<http://www.santilli-foundation.org/docs/Santilli-73.pdf>