

Discussion with Prof. Powell
March, 1956

One decisive problem which was invoked by the discovery of new unstable particles is the following:

The existence of ~~the~~ new particles clearly indicates the existence of new degrees of freedom which ~~were so~~ cannot be incorporated into the conventional point particle model. Therefore the question is whether these new degrees of freedom are all related to some kind of internal motion in the conventional ~~of~~ space-time world or some of them ~~are~~ indicate ~~are~~ related to indicate the necessity of new possibility of motion in the new world such as Pais's N -space.

My answer is ~~to~~ roughly as follows, perhaps, both the internal motion includes both.