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Referee's comments on
PROPOSAL TO STUDY THE INTERACTIONS OF 200 MeV π^{\pm} -MESONS
WITH COMPLEX NUCLEI

by

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As pointed out by the author himself, this proposal turns out to be the nth one on the subject. We all know that most of the previous experiments have led only to some qualitative conclusions regarding the absorption mechanism of the pions. This is due essentially to the fact that in emulsion one generally meets great difficulties in separating the contribution of the heavy and light nuclei. The present proposal does not mention any improvement in the method of analysis which could lead to a better interpretation of the experimental results. In fact, nothing is said about the experimental method to be used or the statistics needed.

The author also mentions the opportunities afforded by pions for the study of nuclear structure. The analysis of pion interactions with this specific aim relies on the accumulation of very large statistics. CERN has recently provided machine time for such an experiment to be done by the Strasbourg group, which can provide a big scanning team and the analysing and computing facilities required by such a experiment.

To conclude, I should recommend the Committee to ask for more details regarding (a) the physics content of the experiment; (b) the experimental method; (c) the statistics needed and the time involved in the analysis. One could perhaps also ask the author to try to borrow some of the plates already irradiated for other groups.