

STANFORD UNIVERSITY

STANFORD LINEAR ACCELERATOR CENTER

Mail Address

SLAC, P. O. Box 4349
Stanford, California 94305

October 24, 1973

Professor H. Siegmann
Eidgenossische Technische Hochschule Zürich
Laboratorium für Festkörperphysik
Hönggerberg, Ch-8049
Zürich, Switzerland

Dear Professor Siegmann:

I have spoken with Professor W. K. H. Panofsky who visited with you at your laboratory this past week and with Dr. Charles Sinclair of this laboratory who has also visited and discussed with you your apparatus and techniques for a polarized electron source. As you know, we are interested in developing such a source for experiments here at the Stanford Linear Accelerator Center and we are collaborating with Professor Vernon Hughes and his group at Yale with the goal of measuring the spin structure of the inelastic electron scattering amplitude. We are also planning a study of possible contributions from weak parity violating interactions in the electron-proton scattering amplitude.

I understand from the conversations with Drs. Panofsky and Sinclair that you would welcome one of our scientists, Dr. Edward Garwin, Head of the Physical Electronics Division, to your laboratory for approximately two months to ten weeks starting in January 1974 at SLAC's expense. I hope this can be arranged, and at the same time I would like to convey to you our readiness to host a similarly arranged visit from your laboratory if you and your staff have interest in gaining more familiarity with our use of modulators and techniques for working with pulsed sources.

We are quite enthusiastic about the possibility of such a collaboration leading to the very interesting realm of experiments with polarized electrons that will contribute so importantly to furthering our understanding of the structure and interactions of the proton in high energy processes.

Sincerely yours,



Sidney D. Drell
Acting Director

28-29 Nov
Be. in Siegmann