

PHOTON WORKSHOP AT FERMLAB

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A four day Photon Workshop was held at Fermilab on August 1 through August 4, 1978. Approximately ninety individuals from Europe, Canada, and the United States attended. The workshop was intended to provide an opportunity for users to have input into laboratory plans for new facilities and experiments.

Morning sessions were dedicated to formal presentations, while the afternoons were left for informal discussions on a variety of topics, including (i) polarized γ beams, (ii) utilization of the Tagged-Photon Spectrometer, (iii) future facilities, and (iv) comparison of physics aims and capabilities in e^+e^- and γ beams.

Formal presentations in the mornings included talks by S. Yellin (E-25), C. Heusch (E-152), and W. Lee (E-87), as that the present and past program of photon physics at Fermilab was reviewed. G. Feldman (SLAC), H. Meyer (Wuppertal), and R. Thun (Michigan) provided the workshop attendees an opportunity to compare the physics objectives of photon beam experiments with those of e^+e^- machines by reviewing the work at SPEAR and DESY and by anticipating the PEP and PETRA programs.

K. Daum (CERN) reviewed the plans of the experimenters associated with SPS proposal P-109 at CERN while J. Sandweiss (Yale), and K. Coulik (Rockefeller) each described plans for specific experiments at Fermilab.

K. Stanfield (Fermilab) discussed preliminary plans for a new beam line in Proton East that would be similar to a beam line proposed at CERN. Its purpose would be to provide a high-intensity, pure, broad-band beam for use with the Tevatron. P. Garbincius (Fermilab) described a plan for upgrading the existing Tagged Photon beam for use with the Tevatron. B. Cox (Fermilab) gave a progress report on the new High-Intensity Beam in the Proton Laboratory and described its capabilities as an electron beam.

T. Nash (Fermilab) reported on progress toward the installation of a major new facility, a large forward spectrometer with recoil detector, which is to be installed in the Tagged-Photon Laboratory this fall.

The workshop concluded with a presentation by C. Quigg (Fermilab) that included a workshop summary and a vision of many important results to come from photon physics at high energy.

Although there are to be no proceedings published from this workshop, many of the speakers have provided copies of transparencies which are available from P. Mascione, eleventh floor, Central Laboratory, Fermilab.