

Section 14 IR12 Hall

The IR12 hall of PEP-II is located near Sand Hill Road. The HER and LER of PEP-II in this location are relatively simple with very few additions except for the usual vacuum chambers and quadrupoles. This simplicity allows the VLER to have a straight forward design. The area where VLER would be located has crane coverage and is free of non-accelerator components. The area outside the radiation shielding is more than sufficient for mounting power supplies and klystrons. Photographs of these areas are shown in Figures 14-1 through 14-3.

There is an old experimental counting house (Mark-II for PEP) in IR12 which has two floors and is clean, ready for a new occupant. There is significant parking available outside the hall.



Figure 14-1: The area in the IR12 hall outside of the shielding wall where power supplies and klystrons will be located.



Figure 14-2: The proposed collision point in the IR12 hall. The LER is above the HER. The VLER would be installed on the other side of the LER.



Figure 14-3: The area in the IR12 hall behind the LER where the VLER would be installed. A floor will be installed for support.