

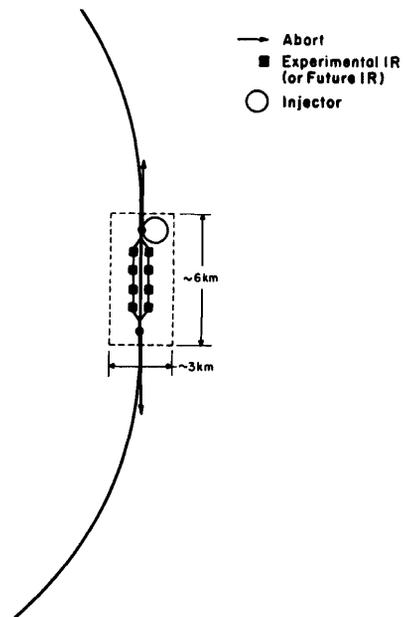
A "ONE LAB" SSC CONFIGURATION

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The idea of a bypass around one of the two long straights containing four potential IR's was presented at the summary talks and this note is to carry the suggestion to a logical conclusion that we abandon the idea of two laboratories 180 degrees apart and try to combine all IR's and injector into one concentrated area. The cost savings in duplicate support facilities, shops, library, utilities, buildings, access roads, cafeteria, etc., will be substantial, both in the initial cost and in the operating budget. There is the added benefit that one set of experiments can be worked on, i.e., installed, modified, repaired, while the other is operating. The penalty of dividing the year into two areas is hardly a penalty since no collider operates continuously and down times for modification, repairs, and data analysis are appreciated. In the initial phases, the simplest and perhaps recycled detectors will be exposed while the second generation detectors are being installed. Common assembly halls and sharing are details to be worked out later. Changeover can be as long as a week or two and one can even think of movable magnets.

Finally, one can even contemplate putting a bend into the machine, like the CDF bypass at Fermilab, which would, if necessary, put the IR's close to the surface.

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Symmetrical and Bypassed IR's