

MATERIAL PROPERTIES IMPORTANT TO THE DESIGN
OF A LARGE SUPERCONDUCTING MAGNET

Introduction:

This monograph is a compilation from the literature, from more general compilations, and from private sources, of electrical and mechanical properties of materials important to the design of a large superconducting magnet for a bubble chamber. It is intended for use by the Magnet Committee of the Bubble Chamber Group, Physics Department, Brookhaven National Laboratory, as a source document during the design of large superconducting magnets for a bubble chamber of 14-foot diameter and a test facility of 7-foot diameter. It will be revised and extended as needed during the design effort.