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FLAWS *in the* ICE

IN SEARCH OF DOUGLAS MAWSON



DAVID DAY

Flaws In The Ice In Search Of Douglas Mawson

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web step 1 the design tools and material before starting to build a machine you will always have to make some sort of a design sometimes it only have to be some sketches on a piece of paper but for this machine a more precise three dimensional drawing was required i made my design using google sketchup

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web the magnetic field that results from powering the coils is present whether the beam is there or not we are interested in finding the field in this aperture and also in knowing how to build a magnet to get the desired field typically accelerators and beamlines have magnets that serve individual functions

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web the electron beam is bent by a toroidal magnetic coil at the beginning and end of the overlap region collisions between the continuously renewed electron beam and the ions serve to reduce the random motions of the ions leading to a high energy resolution

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web two pairs of magnetic coils are usually placed near the entrance far end of the waveguide to bend the direction of electron beam radially and transversely these are called directional bending magnetic coils

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coils are used in electrical engineering in applications where electric currents interact with magnetic fields in devices such as electric motors generators inductors electromagnets transformers and

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web where h is the strength of the magnetic field in ampere turns metre at m n is the number of turns of the coil i is the current flowing through the coil in amps l is the length of the coil in metres m then to summarise the strength or intensity of a coils magnetic field depends on the following factors the number of turns of wire within the coil

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