



Contribution ID: 125

Type: **not specified**

Warm Magnets

Wednesday 27 September 2023 09:45 (1 hour)

Warm magnets are magnets that function in normal ambient temperature conditions. These types mostly use a soft steel yoke for field amplification and either copper or aluminium coils or permanent magnets to generate the field. Magnets powered with such normal-conducting coils are often called classical, iron-dominated or resistive magnets. These magnets have been the workhorse for most linear and circular accelerators and beam transfer lines for decades.

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