



Contribution ID: 136

Type: **Oral presentation**

The Use of Permanent Magnets in High Energy Physics

The advent of the permanent magnet materials towards high remnant magnetization in combination with their property to be fully saturated (magnetic permeability ~ 1.0) makes the use of magnets made with these materials very desirable. A brief overview of permanent magnets will be given and we will present designs of magnets made of permanent magnet material to be used in nuclear physics applications.

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Session Classification: Mini Workshop on Instruments and Methods in HEP