

A New Design for an Active-Passive Septum Magnet*, M. TRAVERIA, IFAE, Bellaterra - A septum magnet for synchrotron light sources of intermediate energy, like the Laboratori del Síncrotró de Barcelona (LSB), is presented. This septum is hybrid between the passive and active types, which combines the advantages of both designs, especially with regards to the field quality and power losses, without significant technical complications. The performance of the proposed septum magnet is compared with that of a passive septum magnet for the case of the LSB.

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