



Particle Physics Division

Mechanical Department Engineering Note

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Project: LBNE

Project Internal Reference: LBNE Document #3535 (<http://lbne2-docdb.fnal.gov:8080/cgi-bin/ShowDocument?docid=3535>)

Title: Air Return Labyrinth - Design 1

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Reviewer(s): N/A

Key Words: LBNE target pile shielding air return duct labyrinth

Abstract/Summary: A labyrinth is required between the chase and the air return duct. Purpose of the labyrinth is to attenuate radioactive particle flux from the target pile without blocking the cooling airflow from exiting the target pile.

Applicable Codes: None.