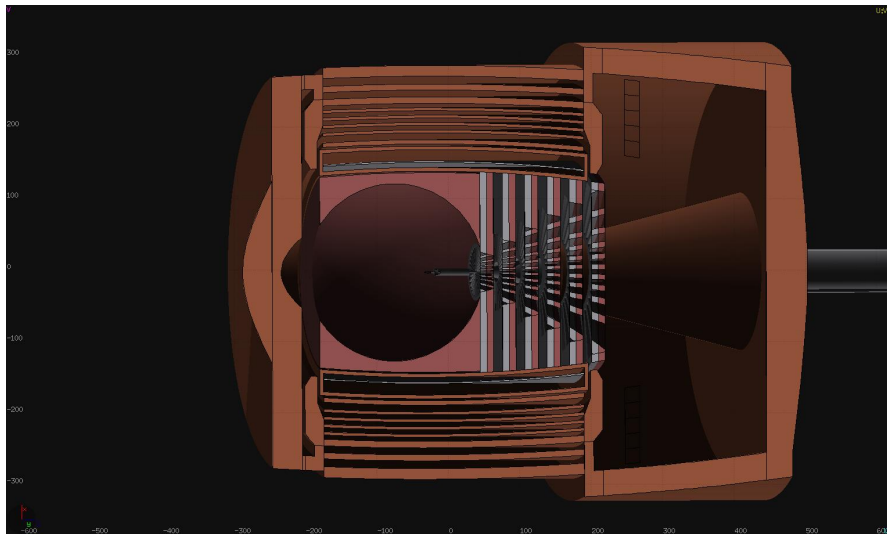




# NEUTRON BACKGROUND RADIATION IN SOLID UPDATE

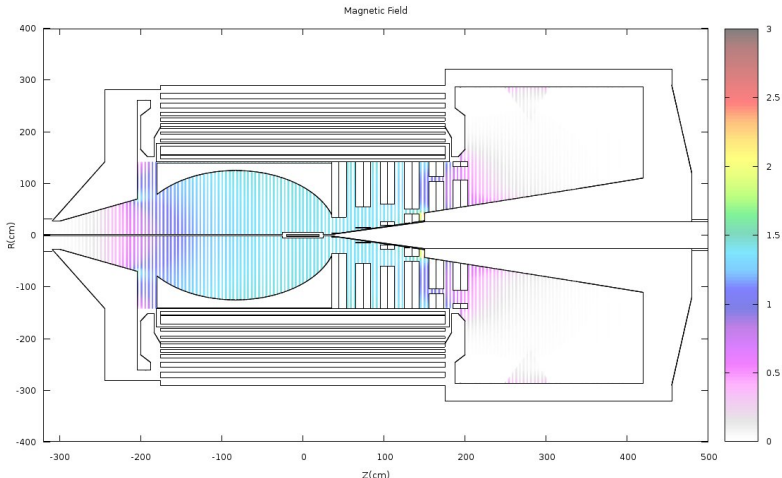
Lorenzo Zana  
Syracuse University  
November 30 2011

# Cleo design



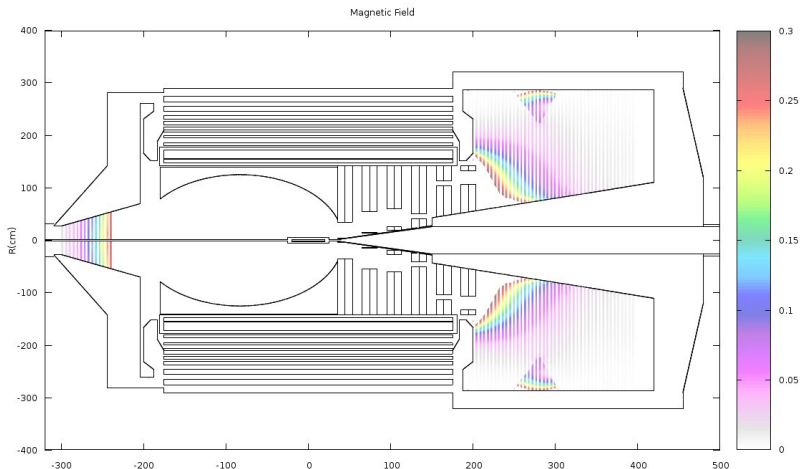
# Cleo design

## MAGNETIC FIELD IMPLEMENTED



# Cleo design

## MAGNETIC FIELD IMPLEMENTED (DISTRIBUTION IN THE BACK)



# TODO (WORK IN PROGRESS)

- Creation of a source for the Deuterium target for better describing the process of production of neutrons directly from the target
- Geant4 code to use as an input generator for FLUKA (in progress)
- Definition of the background and comparison with the gemc simulation