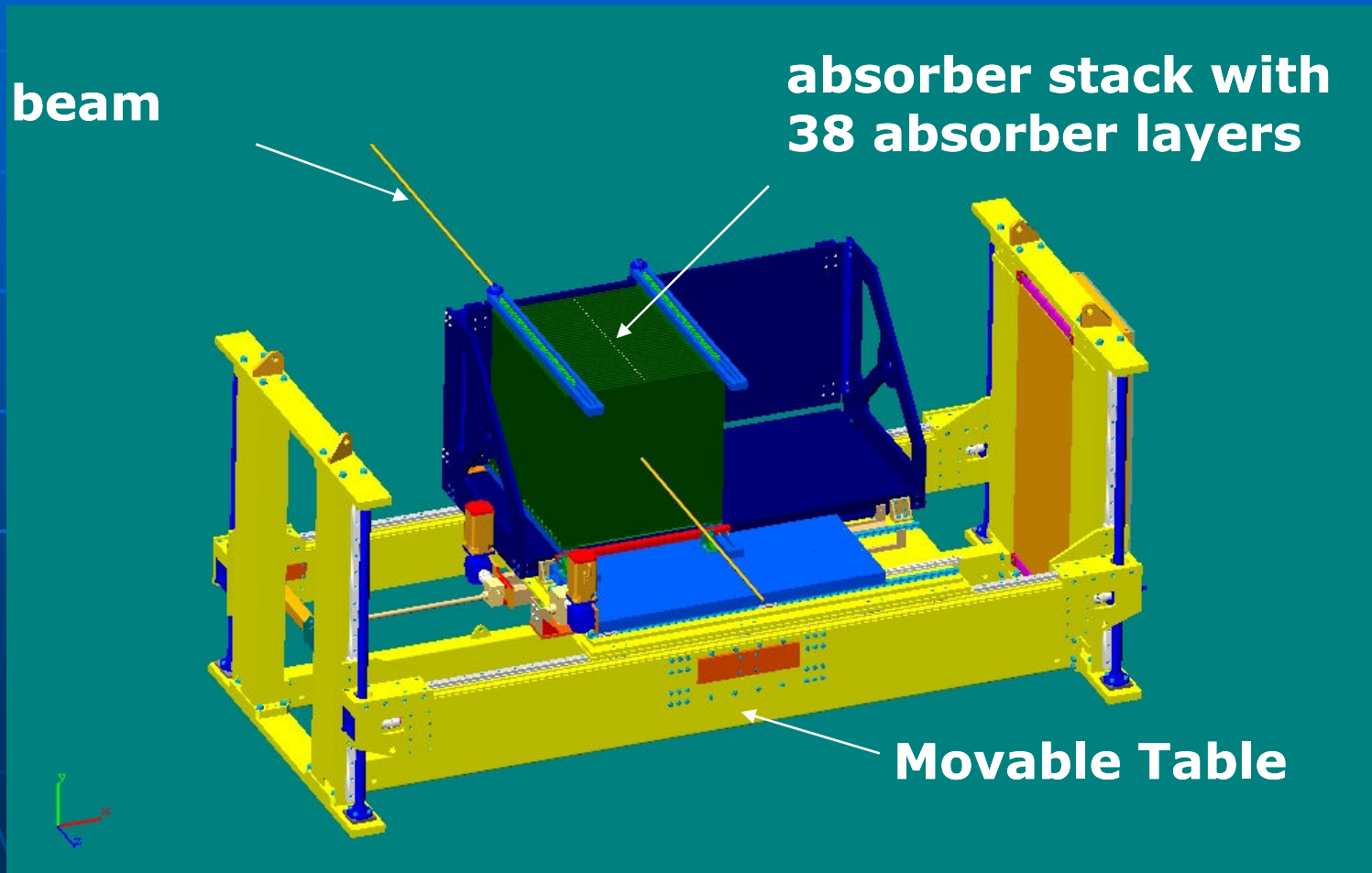




First ideas of  
tungsten plates  
implemented into the  
CALICE test beam setup

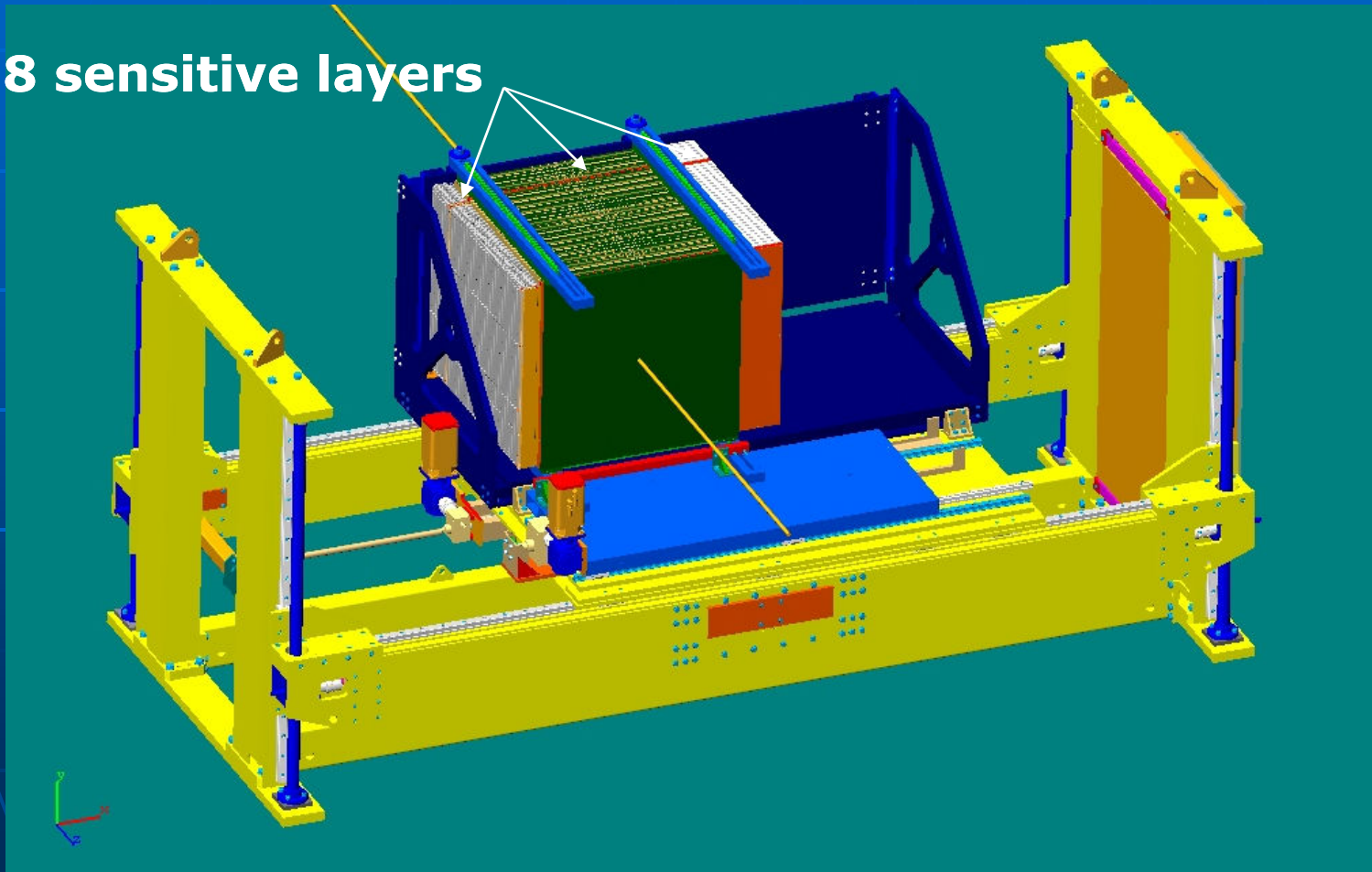
Workshop on a W HCAL Prototype  
@LAPP 24.09.2009

# Movable Table with 0° absorber stack

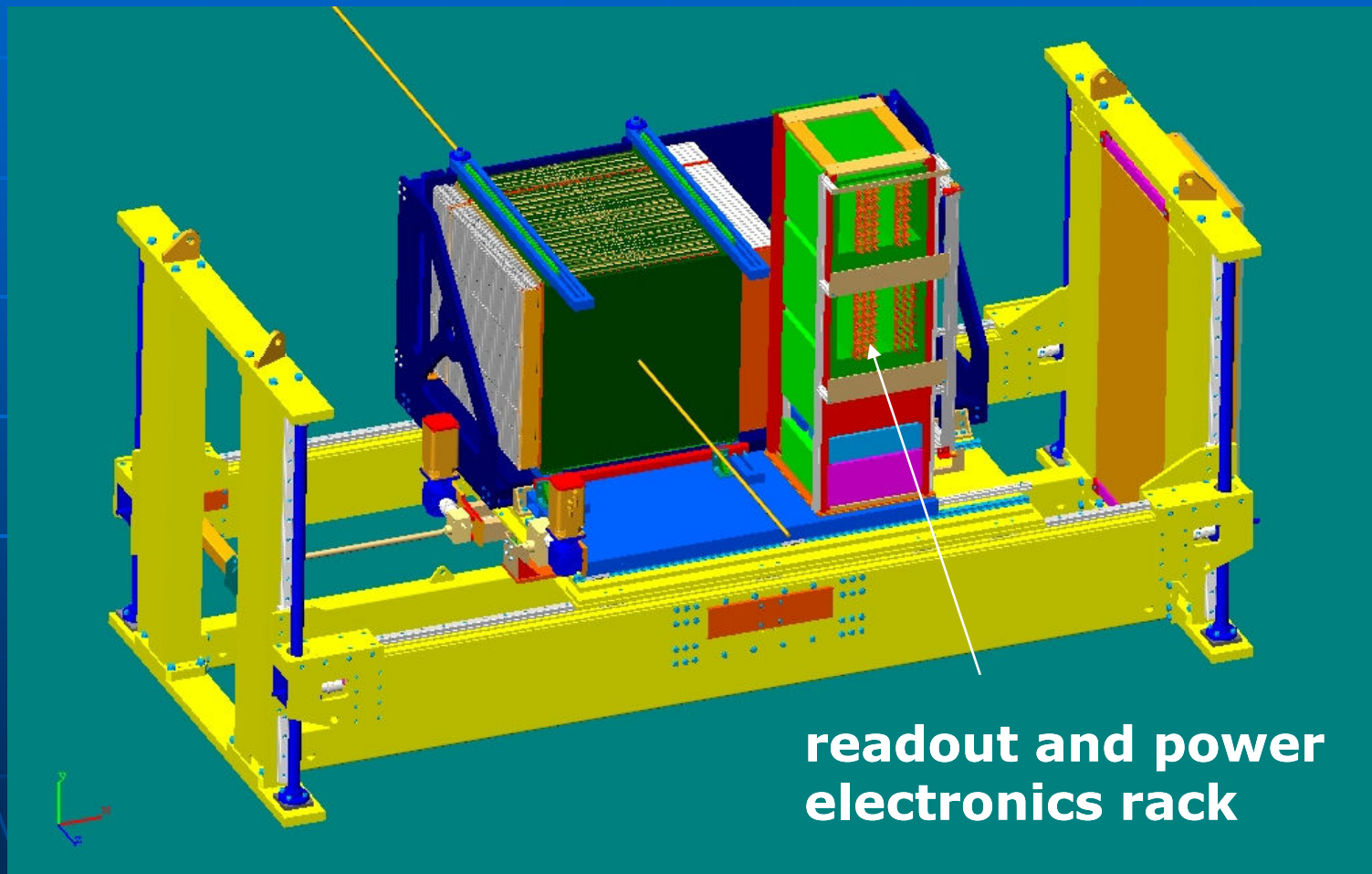


# 0° absorber stack with AHCAL sensitive layers

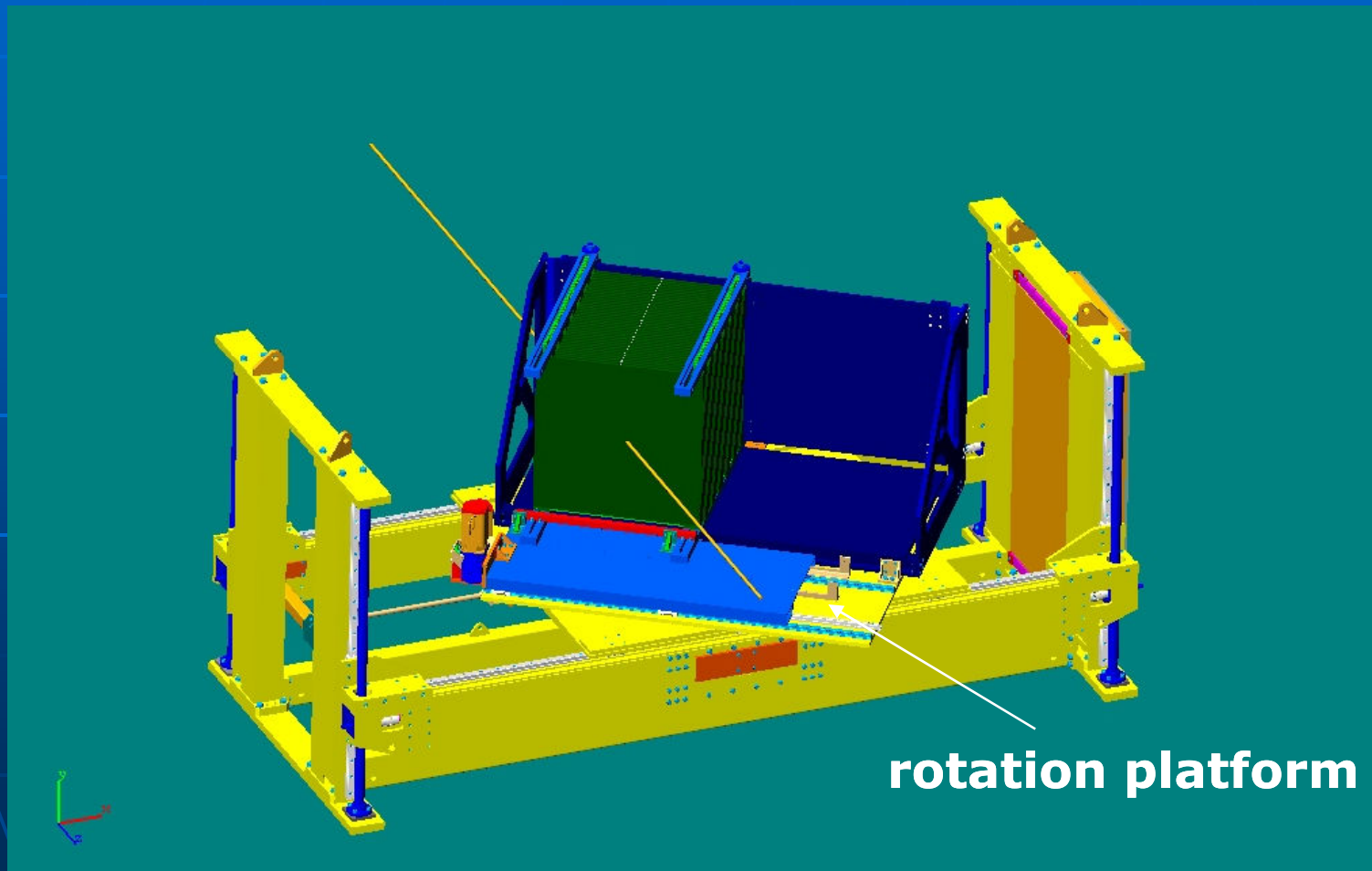
**38 sensitive layers**



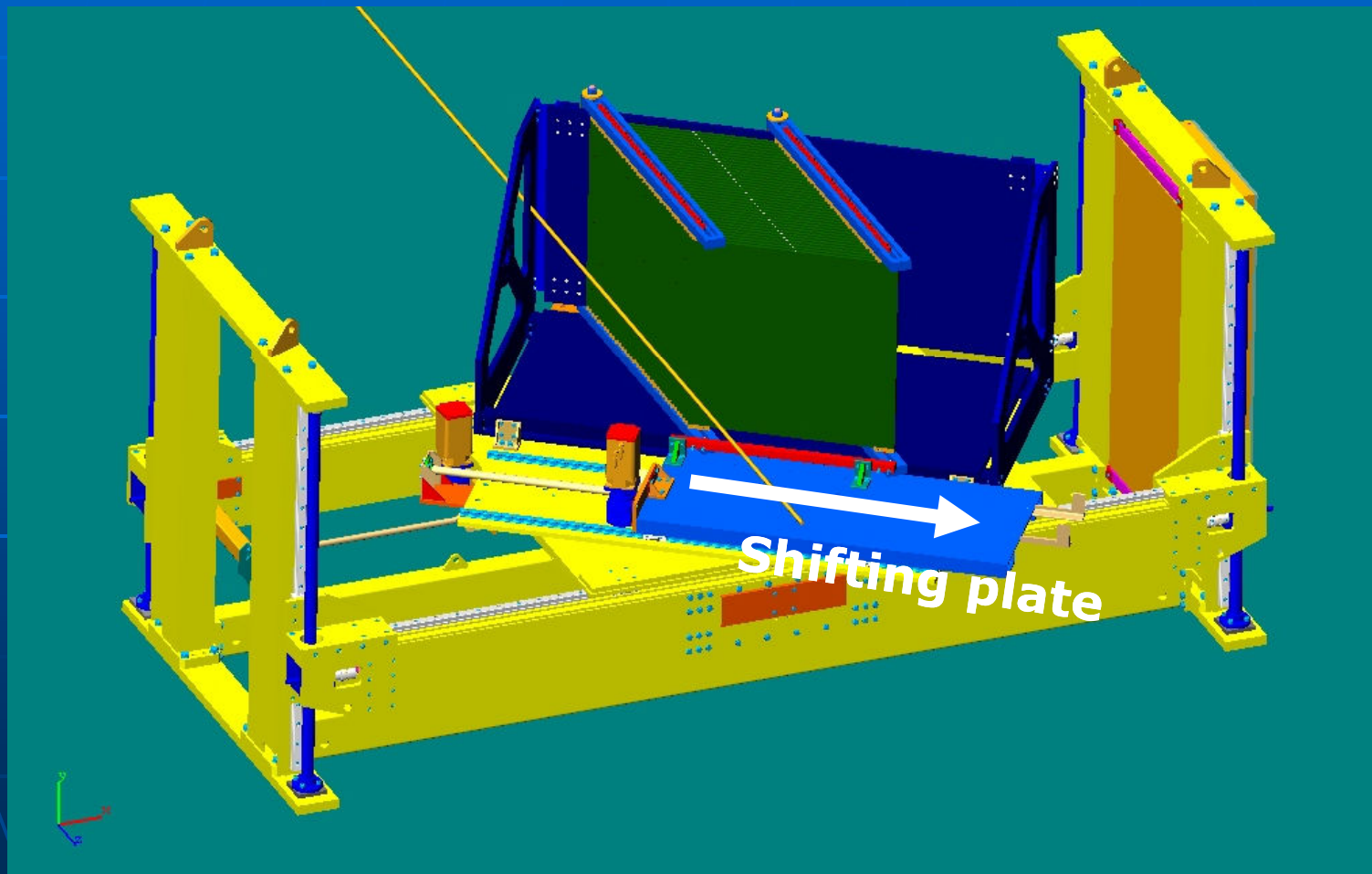
# AHCAL test beam setup



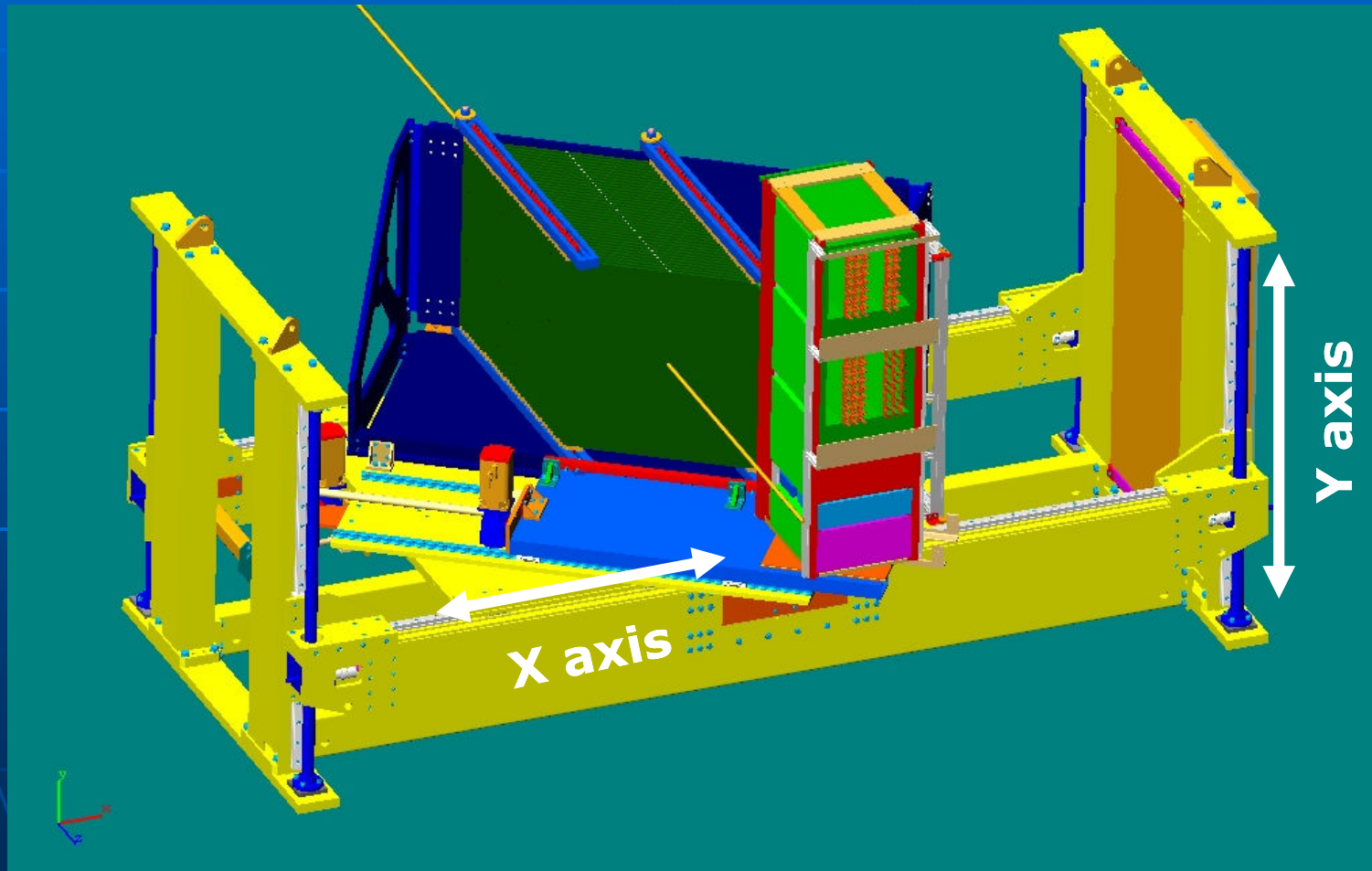
# 30° turned absorber stack



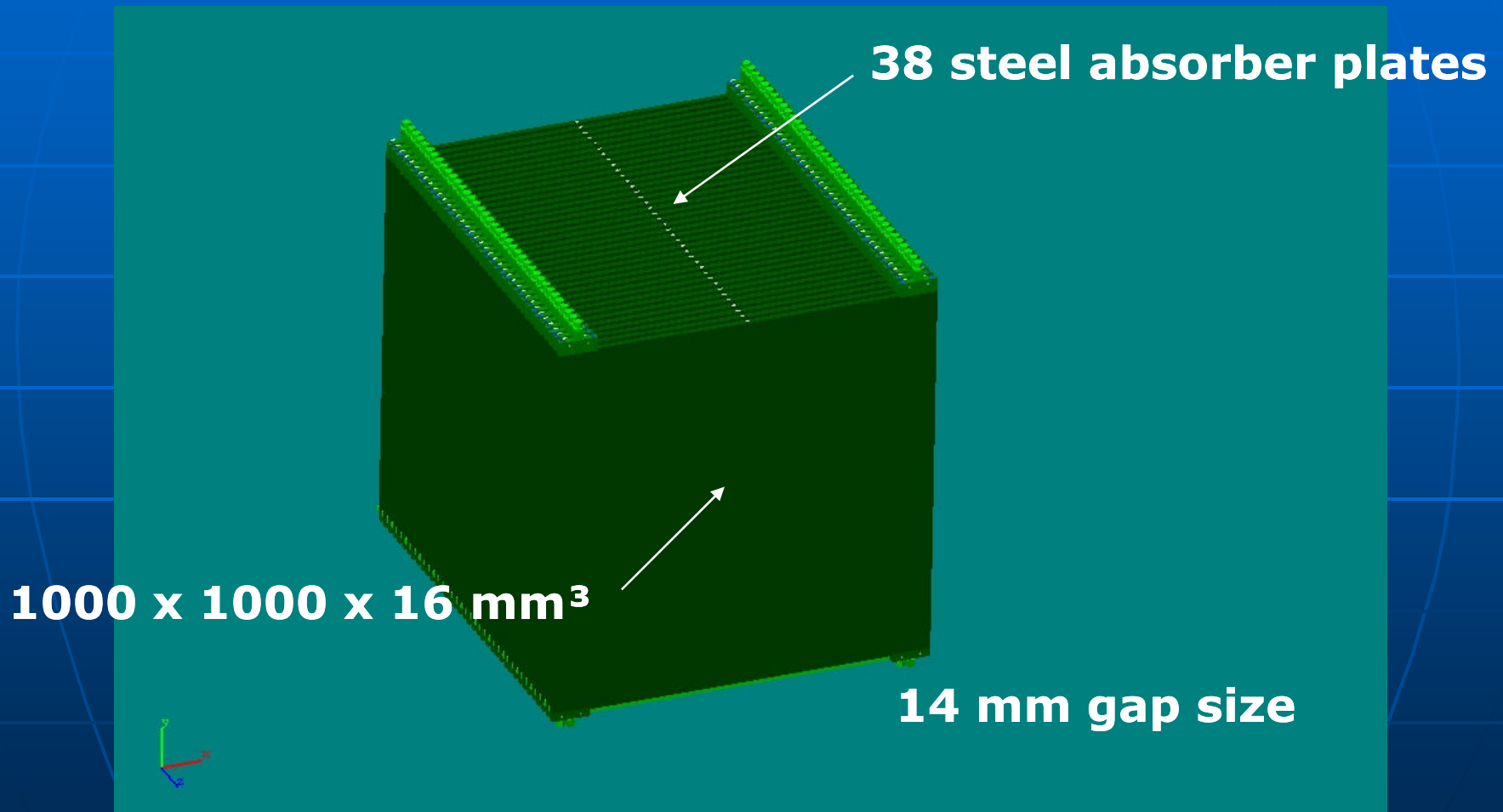
# 30° turned and shifted absorber stack



# 30° setup without sensitive layers

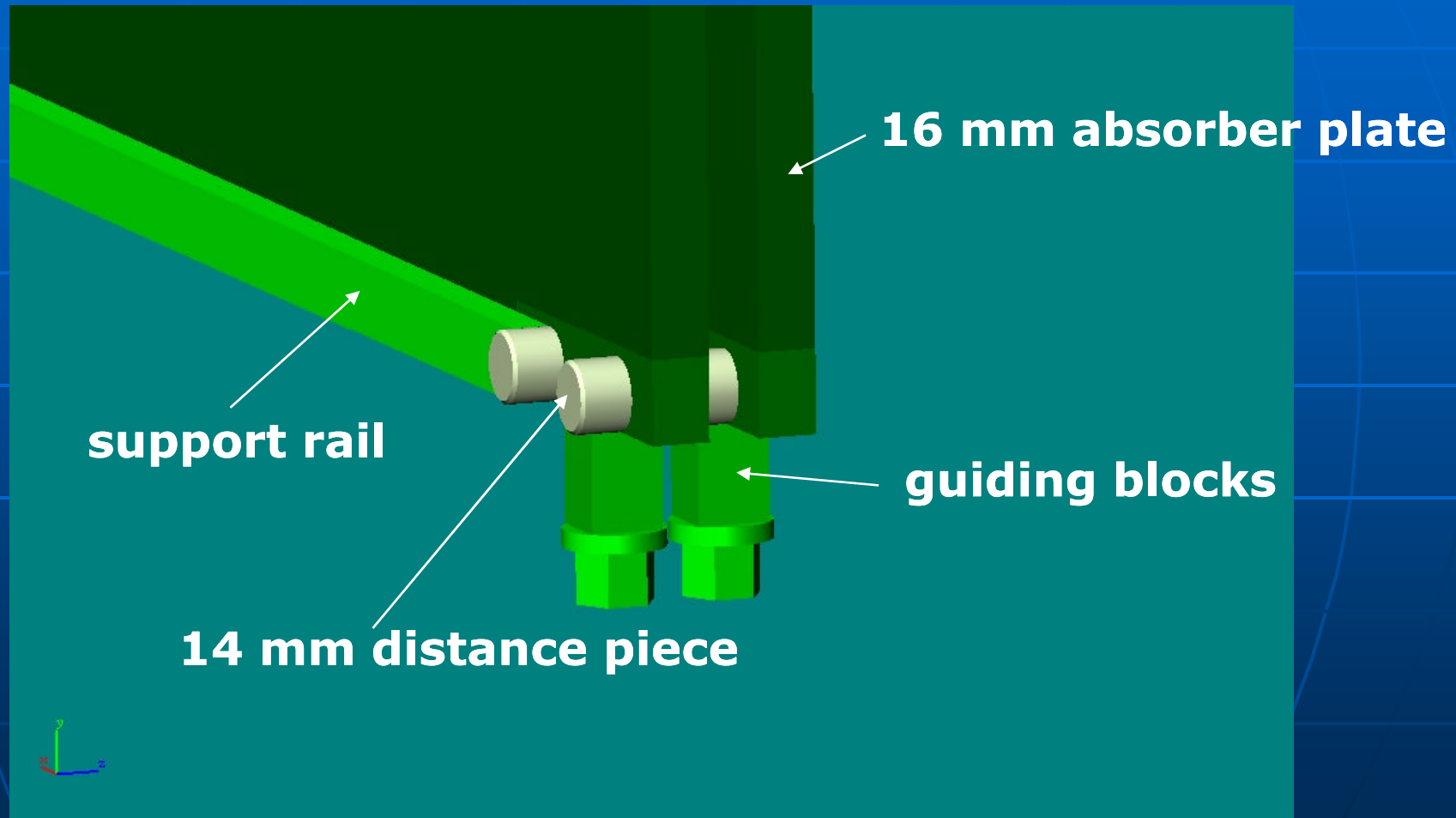


# Absorber stack plate structure

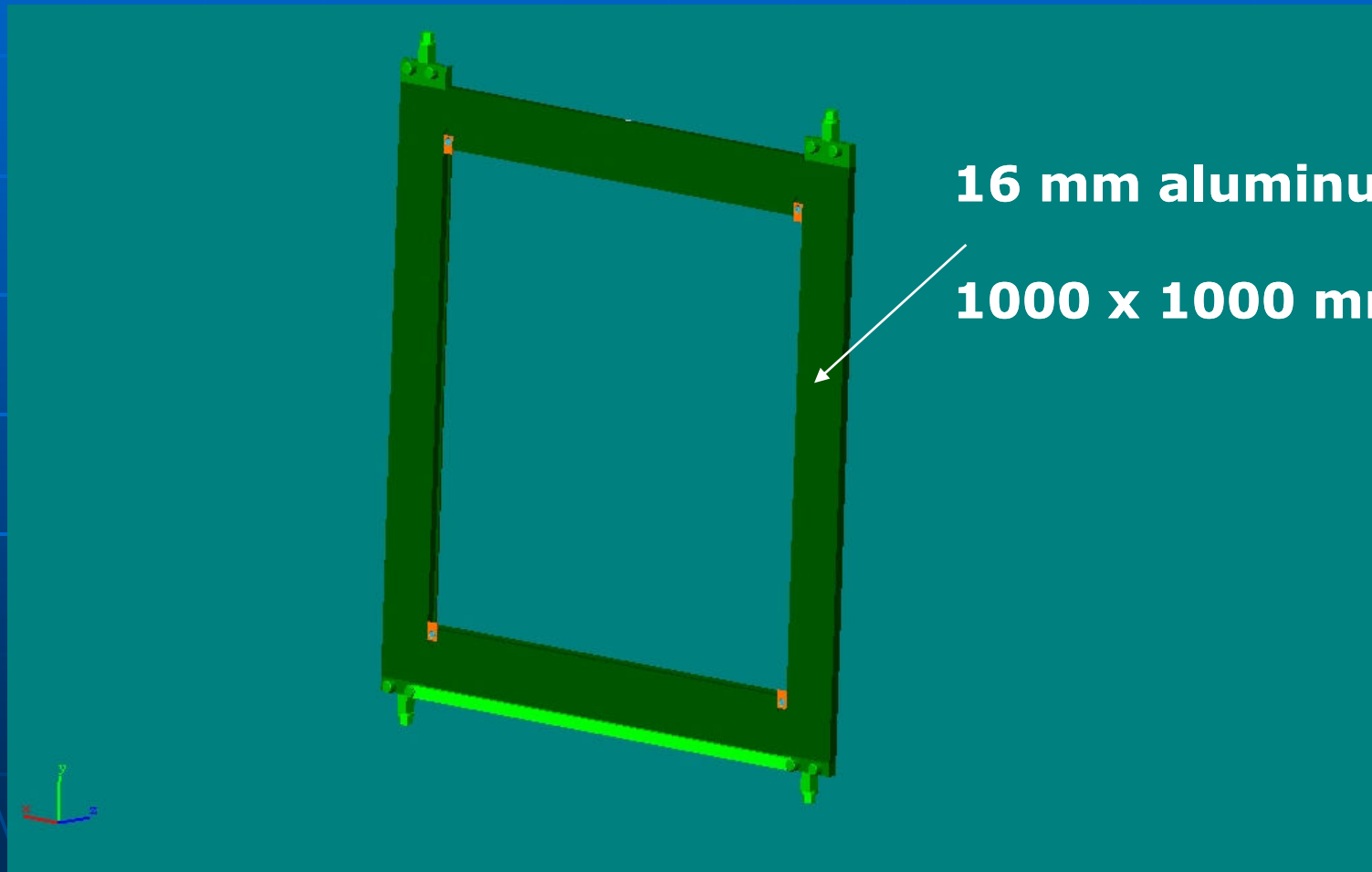




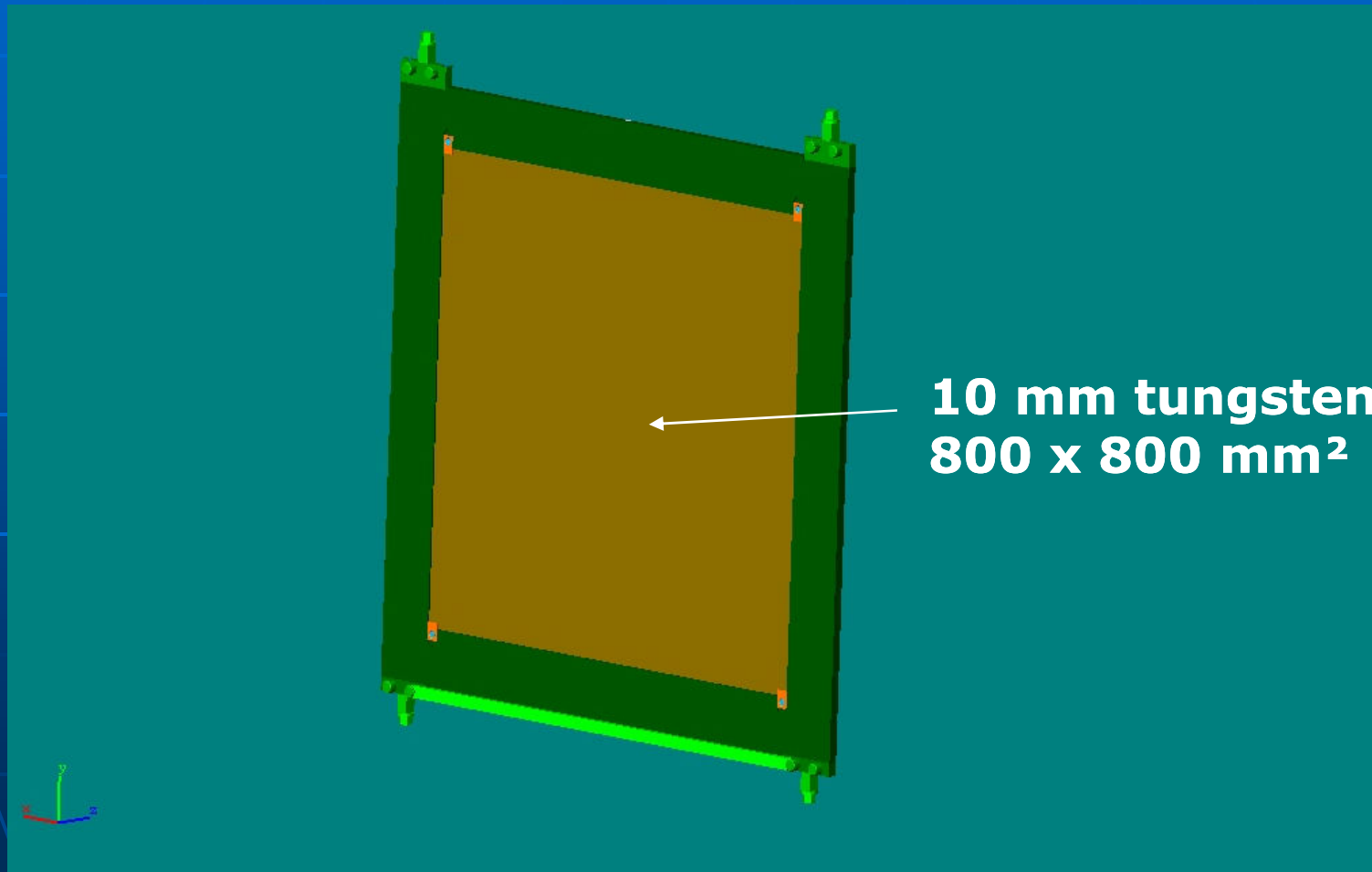
# Absorber layer system



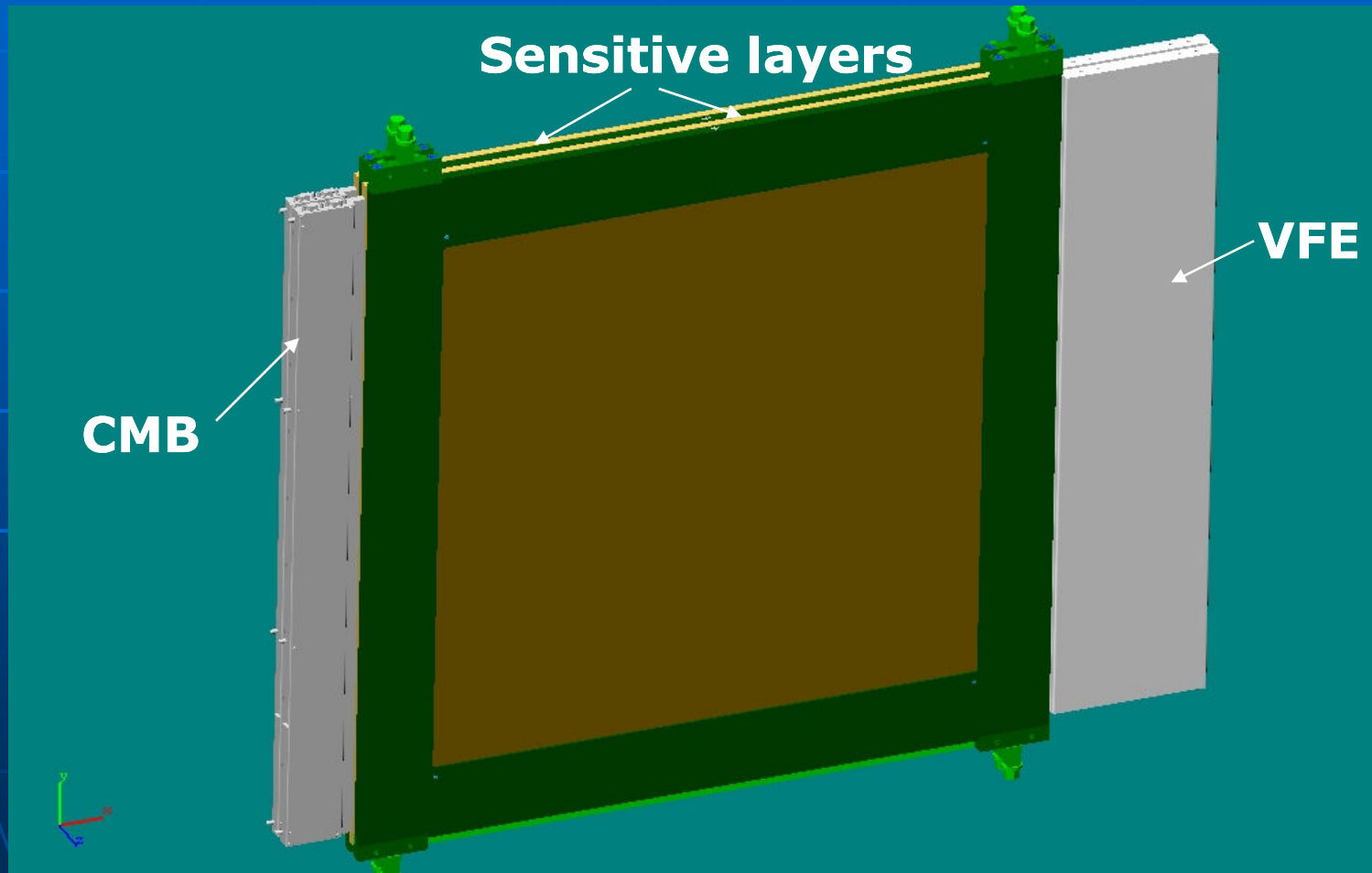
# Tungsten absorber support frame



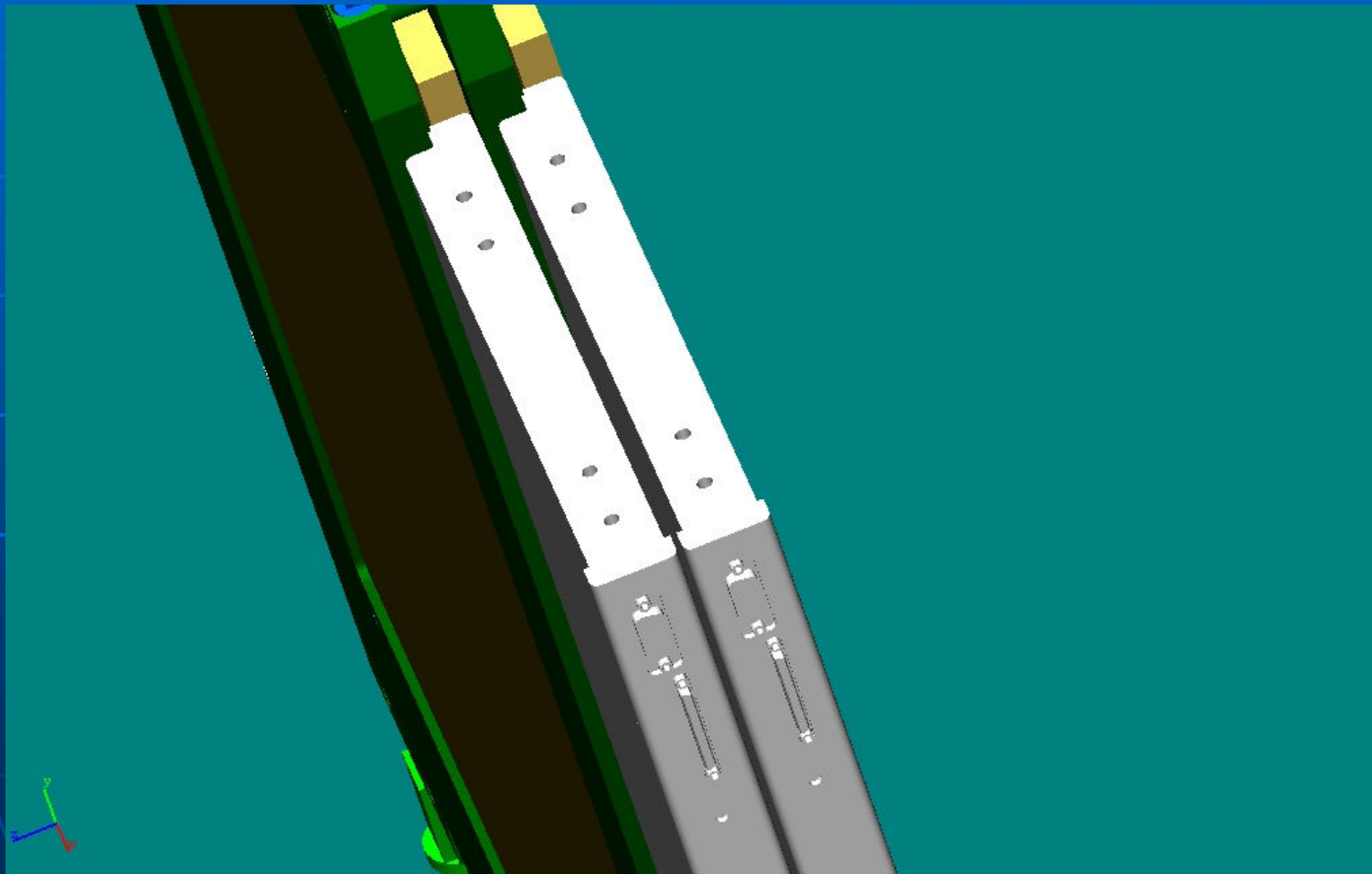
# Tungsten absorber layer



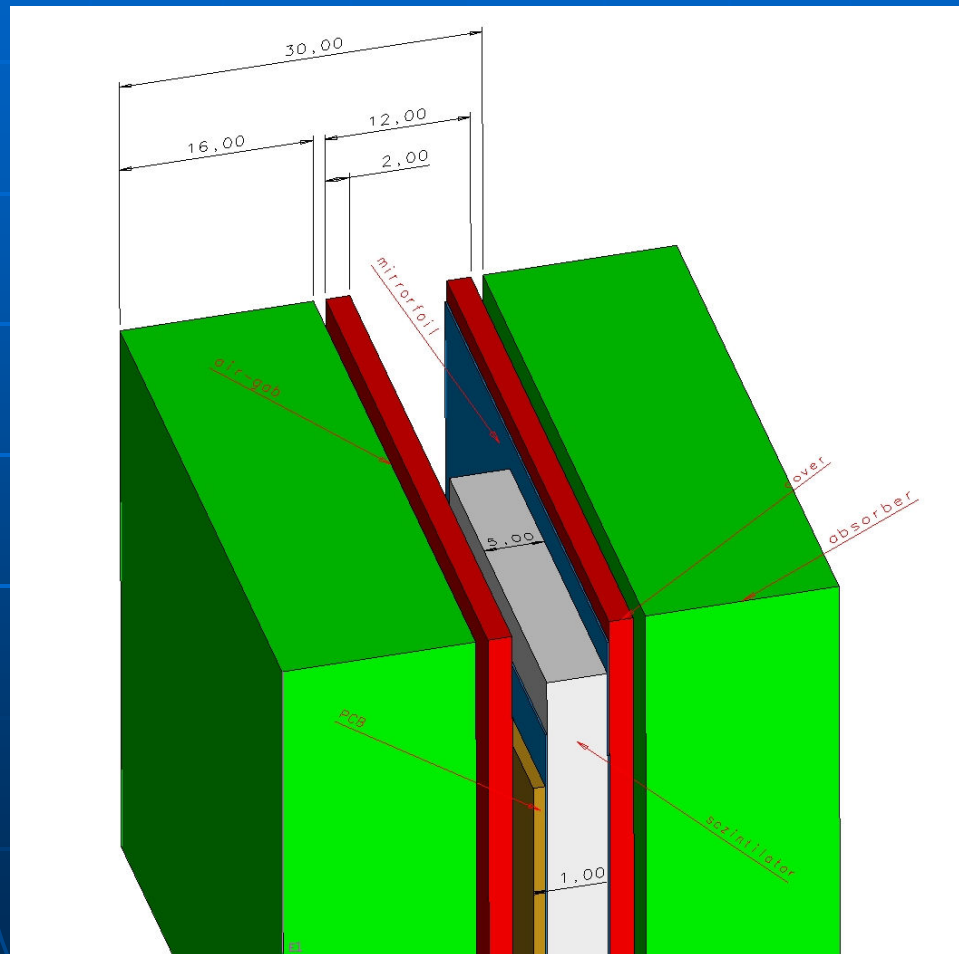
# Tungsten absorber layers with AHCAL sensitive layers



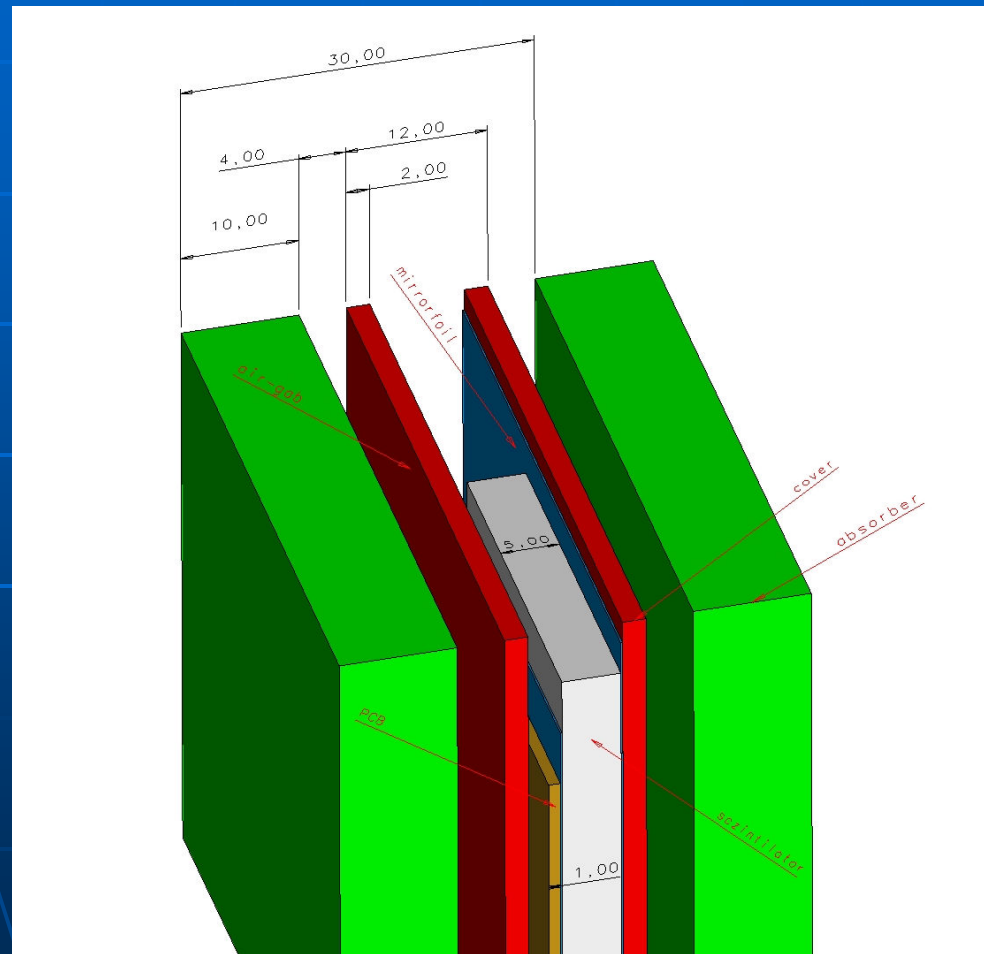
# AHCAL front end electronic



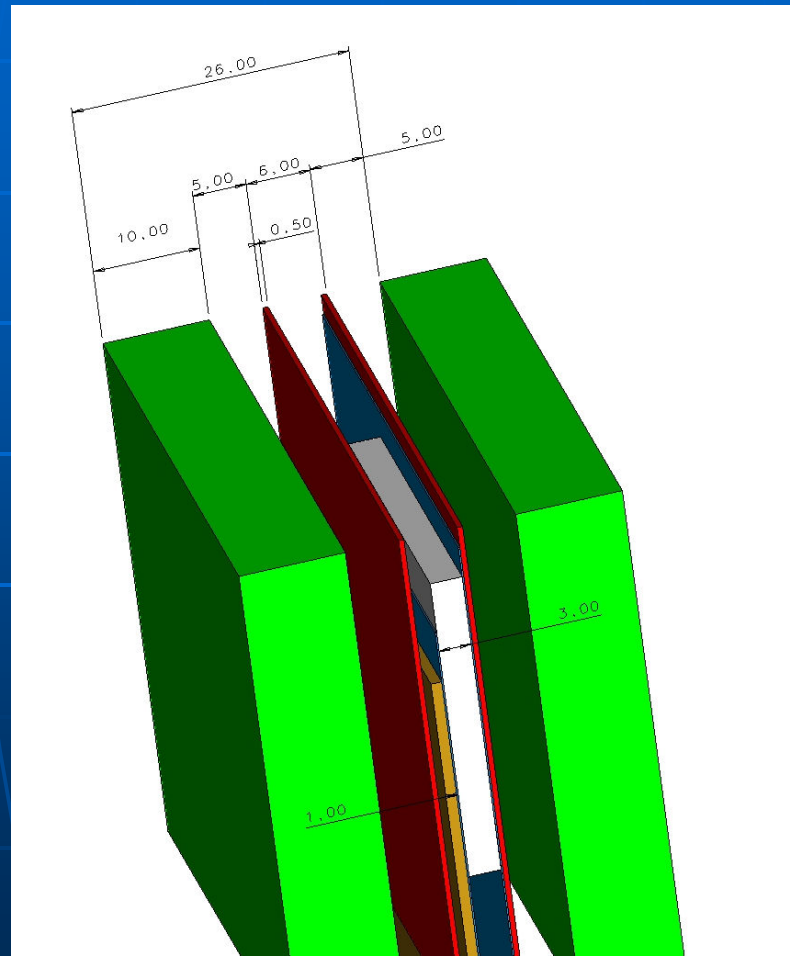
# Layer structure with steel absorber plates



# Layer structure with tungsten absorber plates



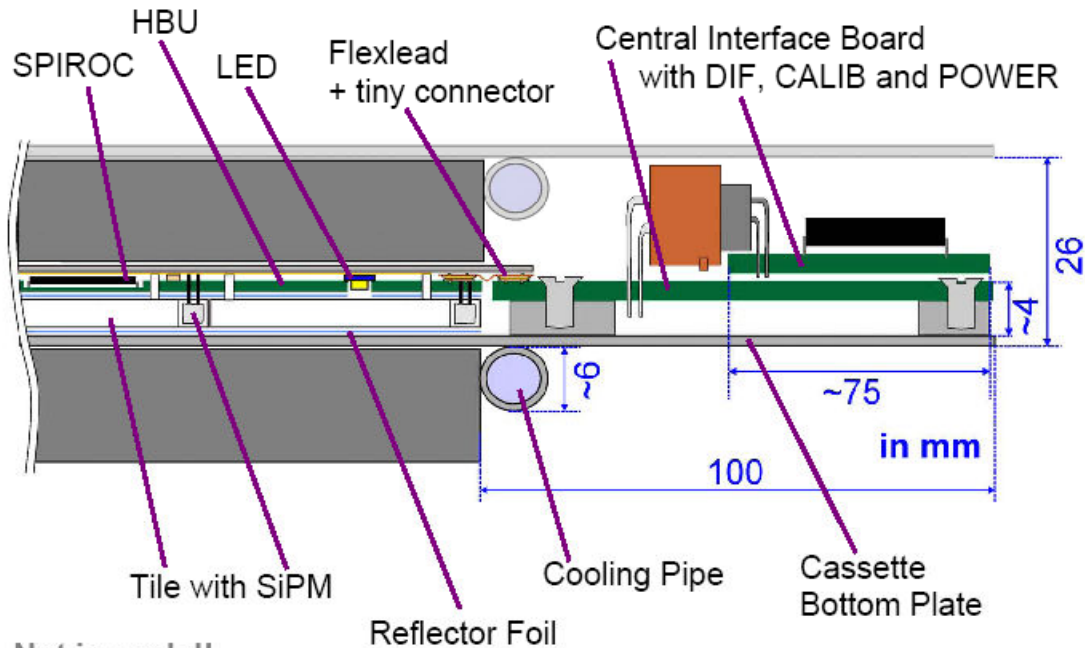
# Upgrade with new detector layers





# new front end electronics

## The Next Generation



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