



Istituto Nazionale di Fisica Nucleare



A.D. 1308  
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UNIVERSITÀ DEGLI STUDI  
DI PERUGIA

# COLLECTION OF SILICON DETECTORS MECHANICAL PROPERTIES FROM STATIC AND DYNAMIC CHARACTERIZATION TEST CAMPAIGNS

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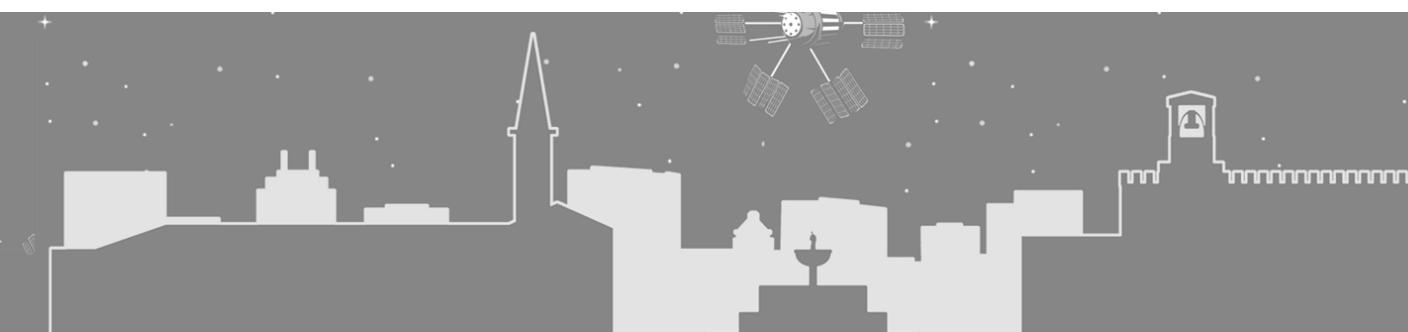
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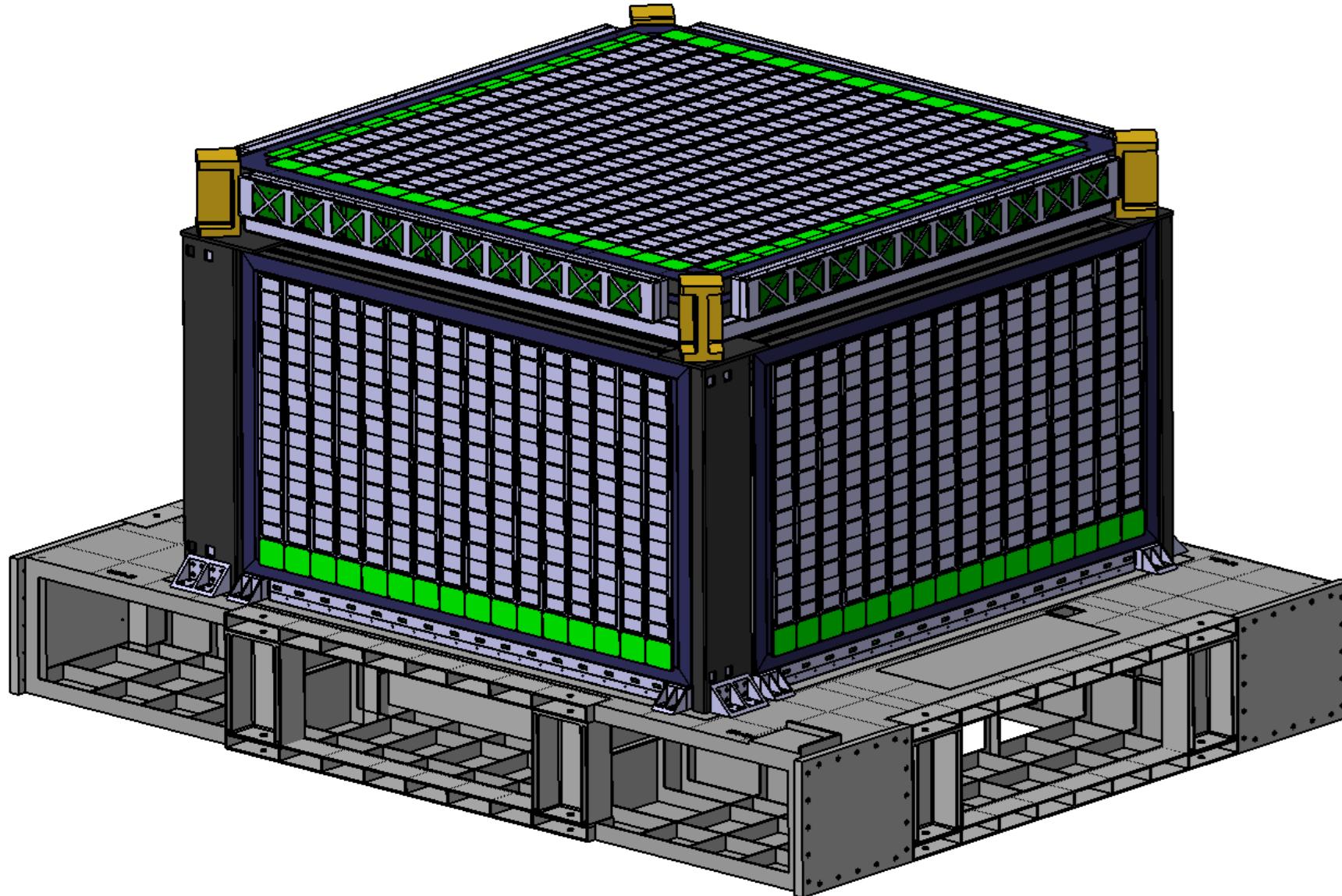
Advances in Space  
AstroParticle Physics

FRONTIER TECHNOLOGIES FOR PARTICLE  
MEASUREMENTS IN SPACE

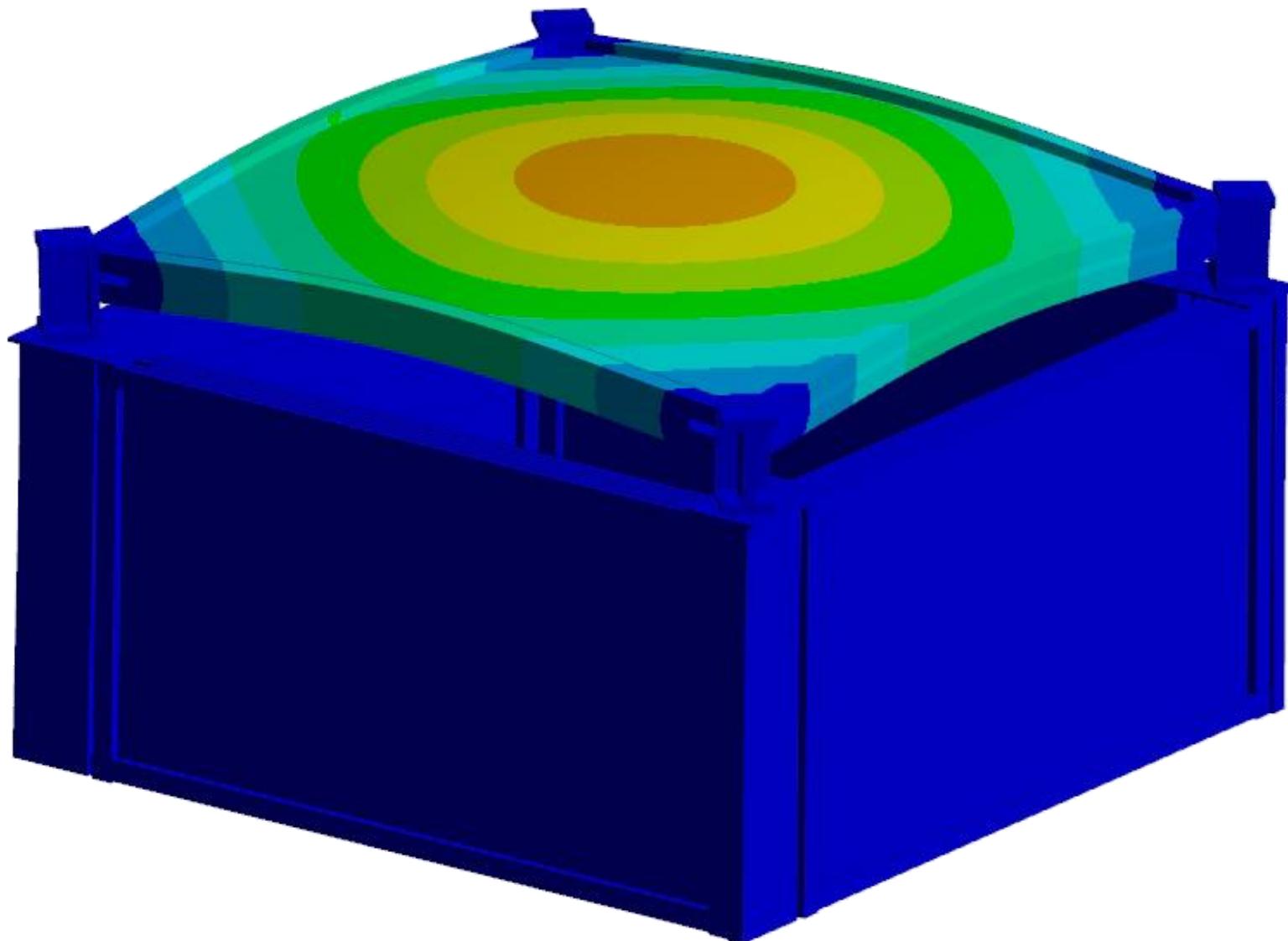
19-23 JUNE 2023 PERUGIA (IT)



# DESIGN



# ANALYSIS



# ITERATION



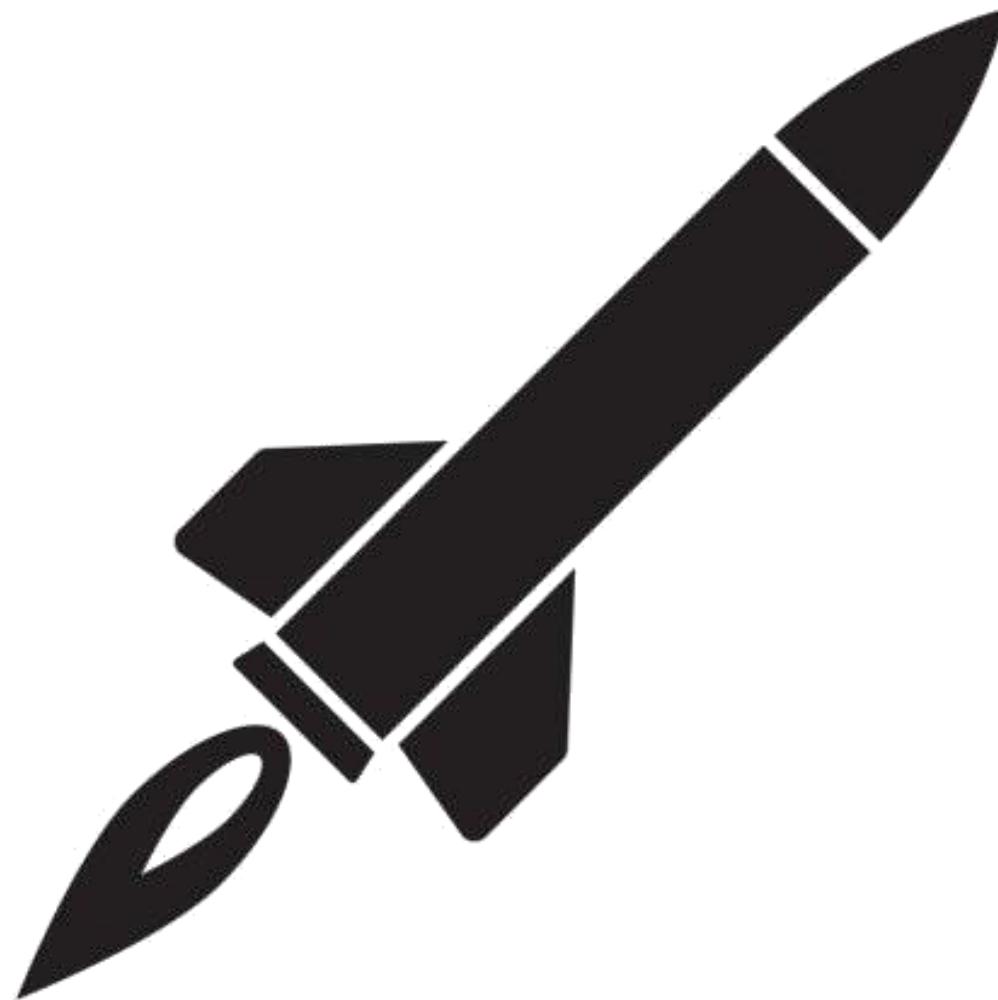
# MANUFACTURING & TESTING



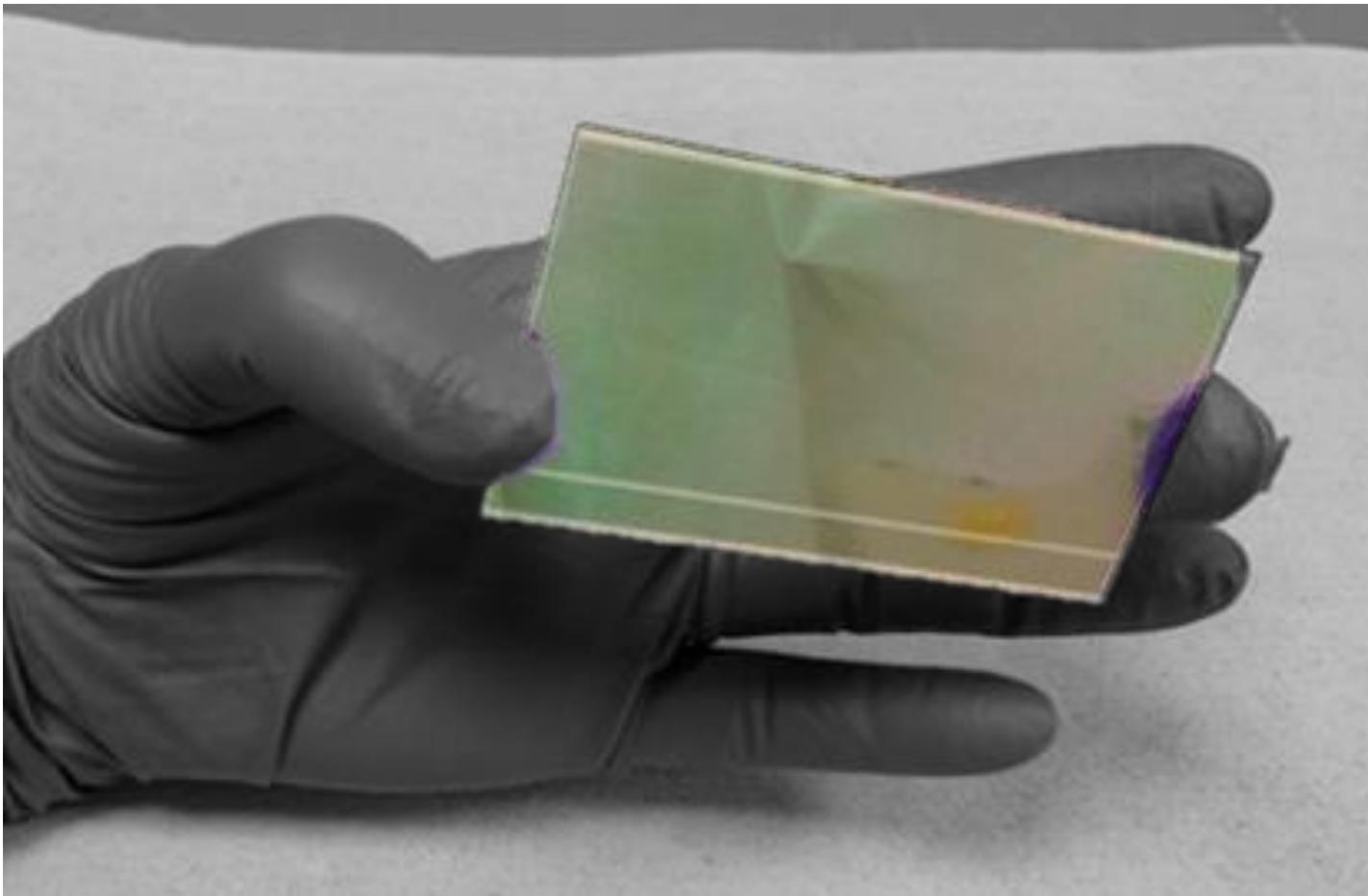
# ARE THE TEST SUCCESSFUL??



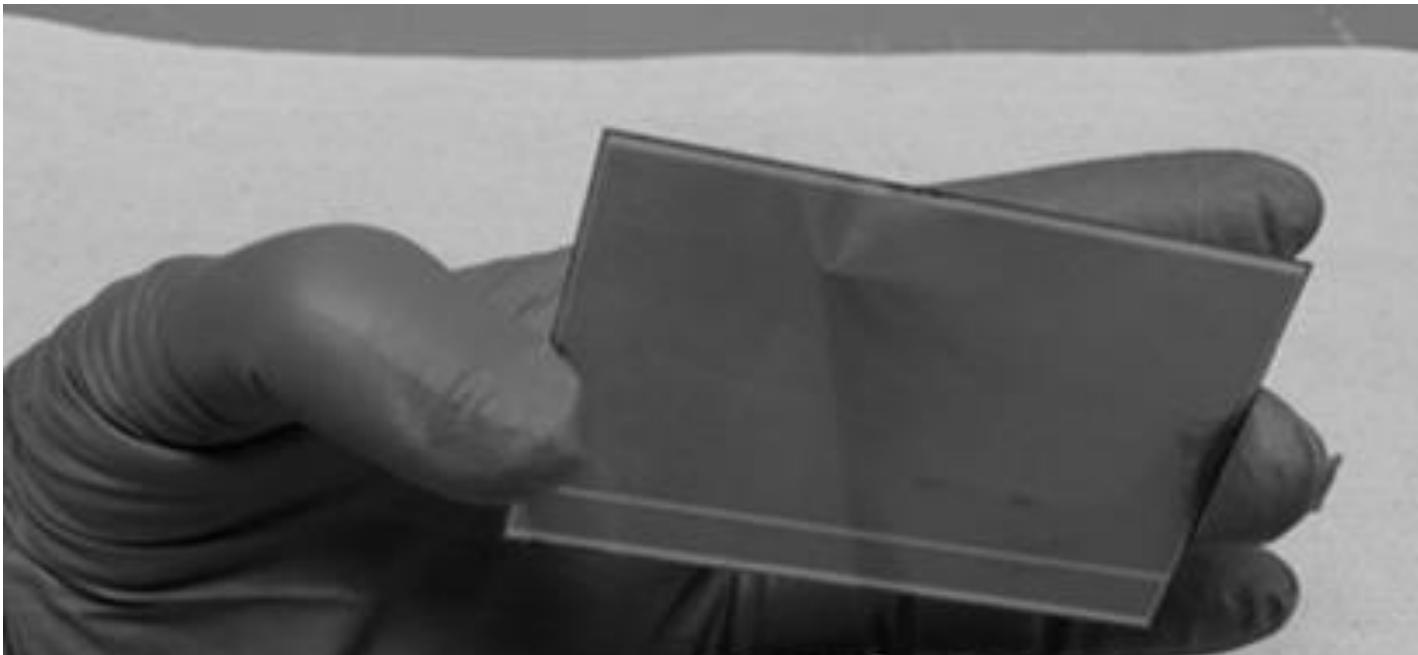
# LAUNCH!



# WHAT ABOUT ME?!

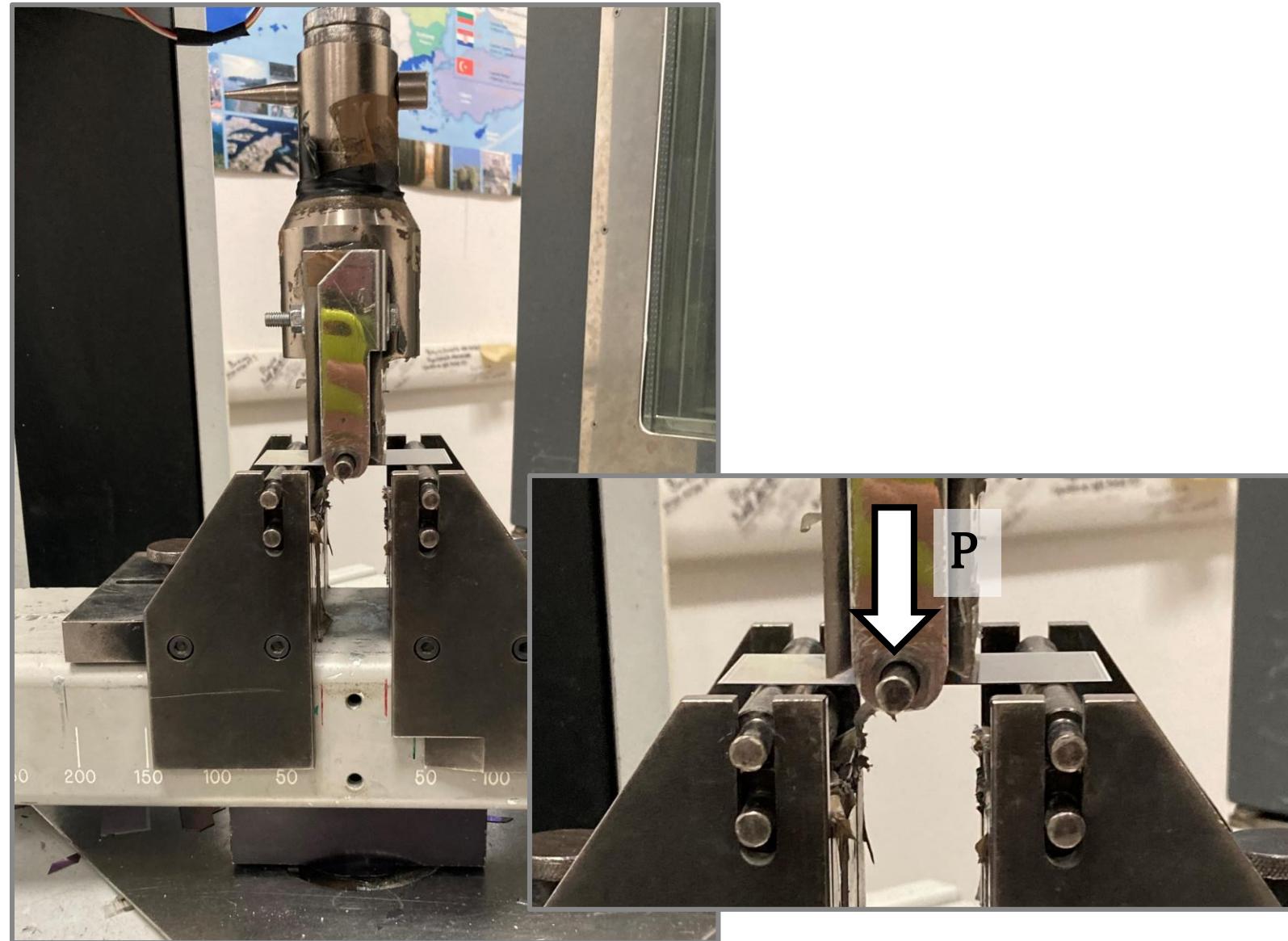
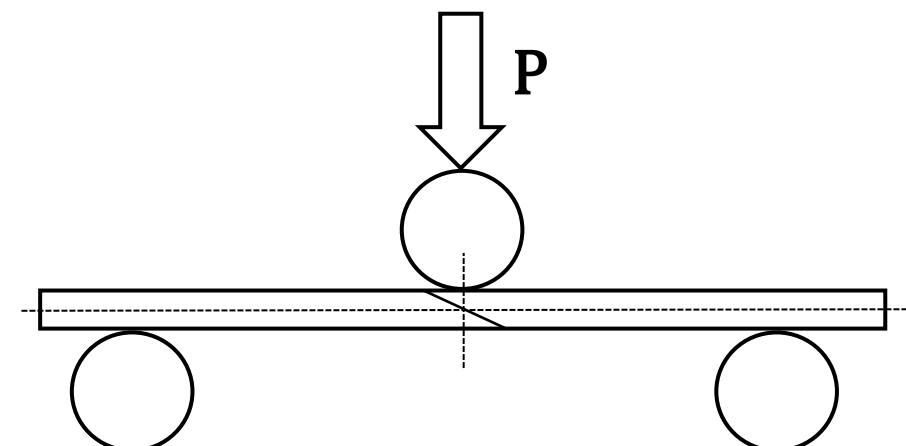


# WHAT ABOUT ME?!

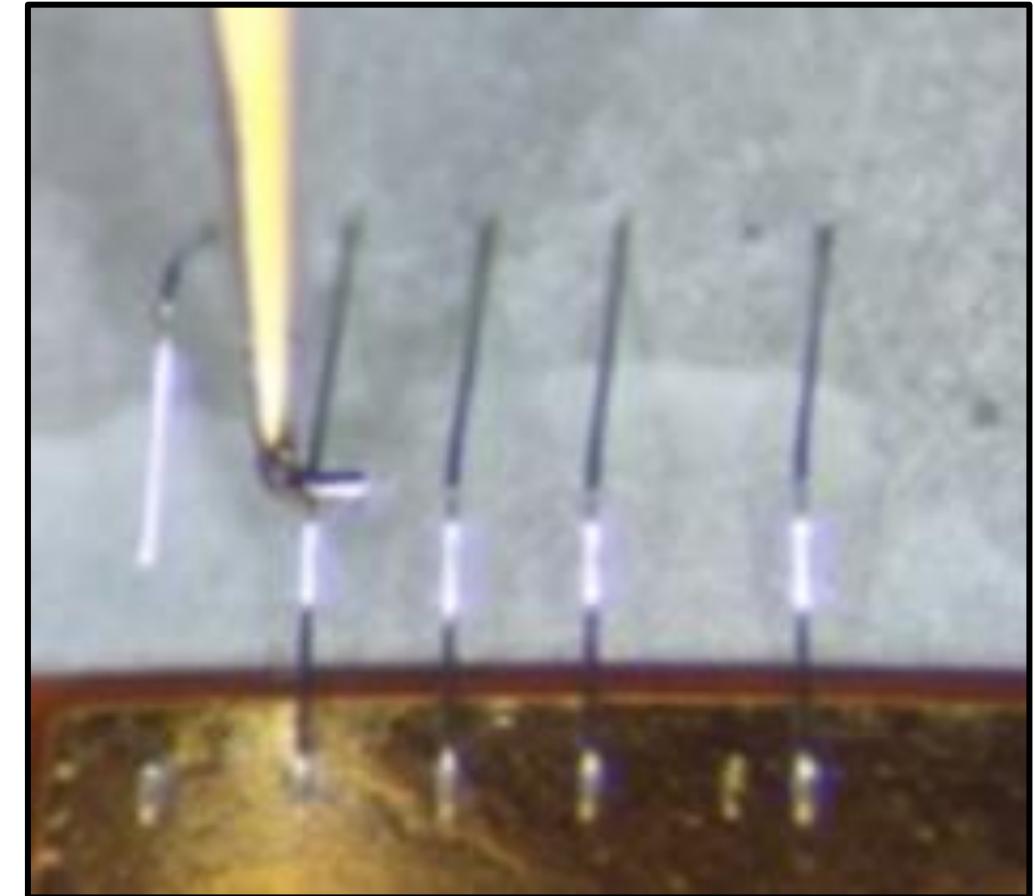
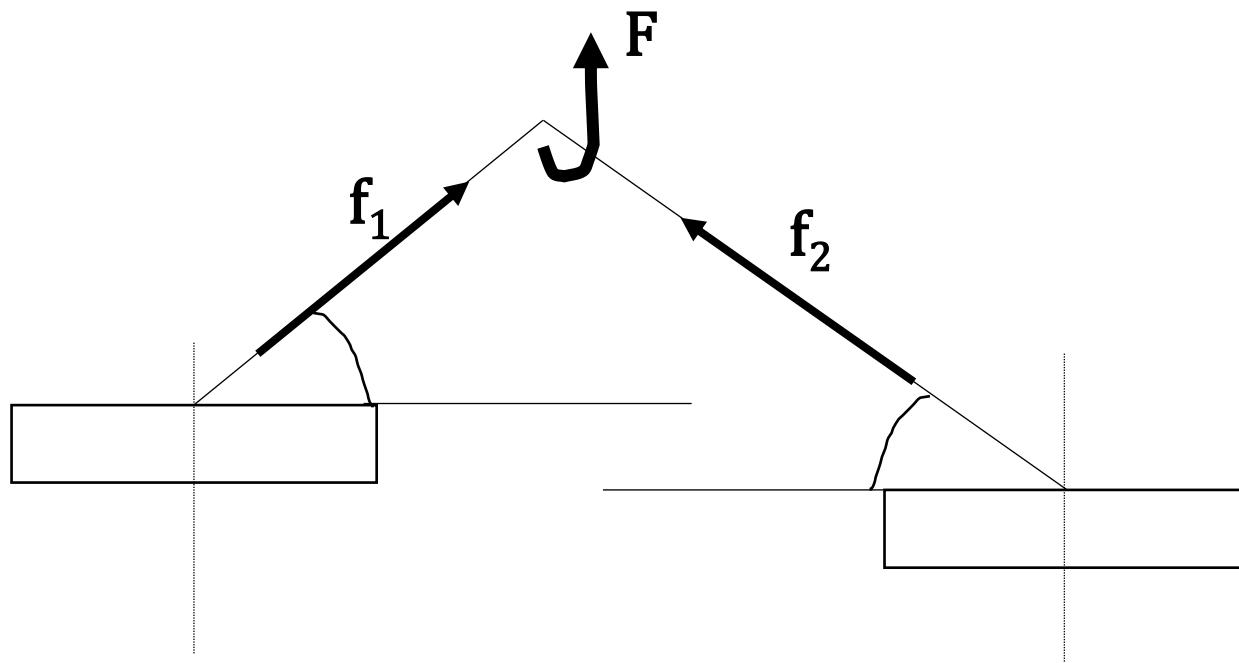


**A DEEPER KNOWLEDGE  
MEANS BETTER DETECTORS**

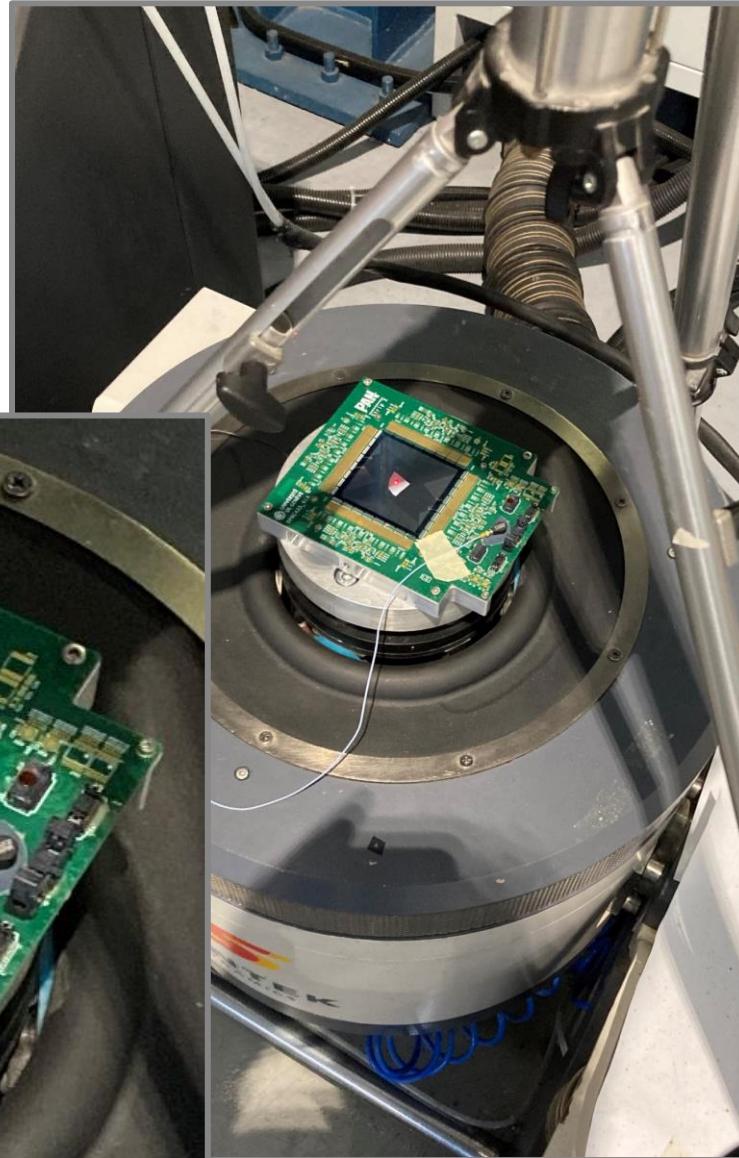
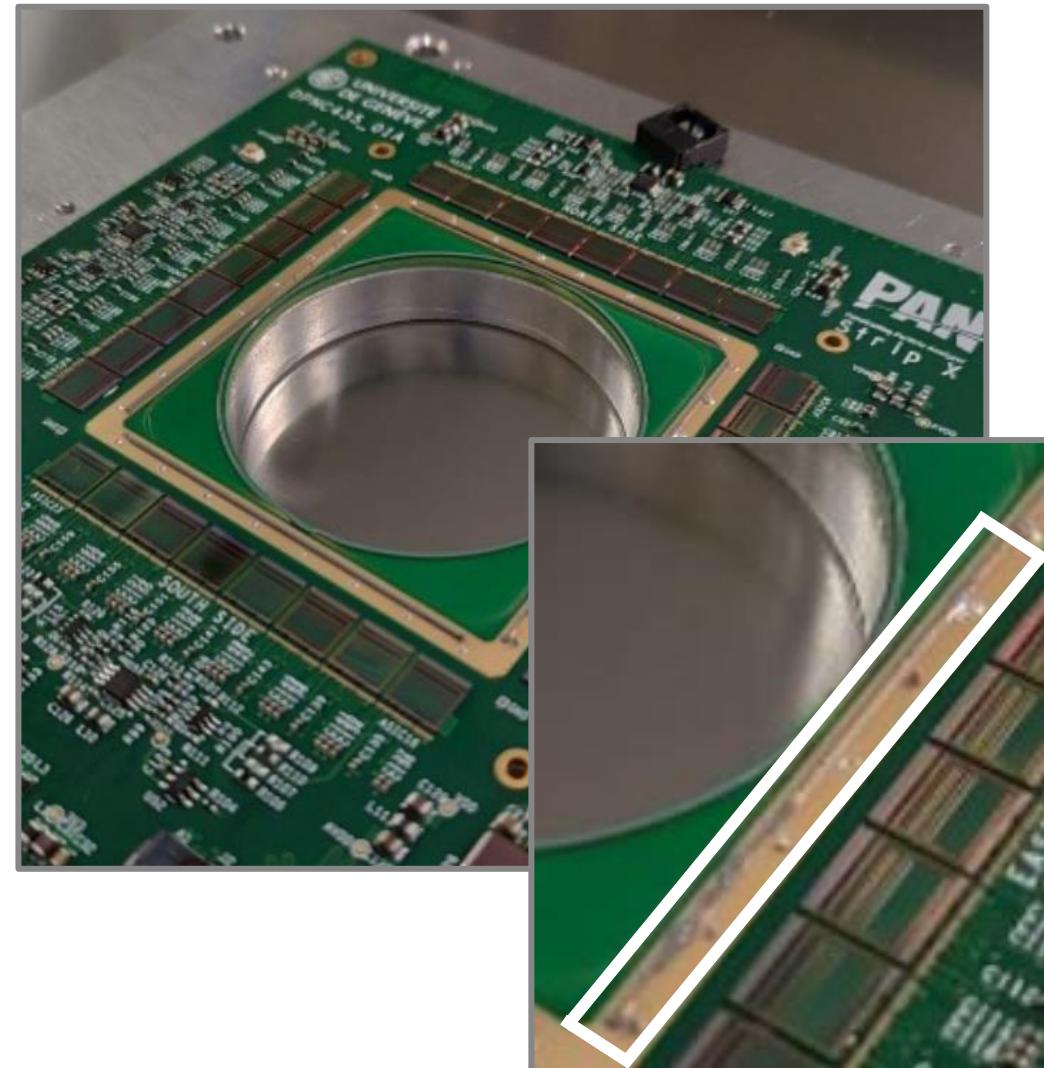
# MECHANICAL CHARACTERIZATION



# AMS BONDS PULL TEST DATA



# HOW THE GLUE AFFECTS THE DYNAMICS



**PLEASE COME AND ASK  
QUESTIONS!**