

Mu2e Ground breaking On April 18, 2015





The Mu2e Collaboration

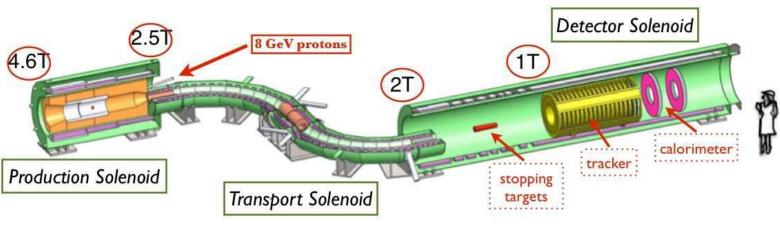
More than 180 scientists from 32 institutions are working on the design and construction of the Mu2e experiment at Fermi National Accelerator Laboratory.







We will use 3 Superconducting solenoids



Solenoids production involves world leading industries in USA & Italy





Solenoids R&D

Prototyping & Test @ Fermilab





Cryogenic Facility @ Fermilab

Solenoids R&D

Prototyping & tests @ Fermilab





The Mu2e straw tube tracking system

Fermilab leads a wide contribution from XX Universities in USA:

- O Univ of Minnesota
- O Univ College of York
- O Univ of Houston
- O Univ of Rice
- O Univ/Lab of Berkeley

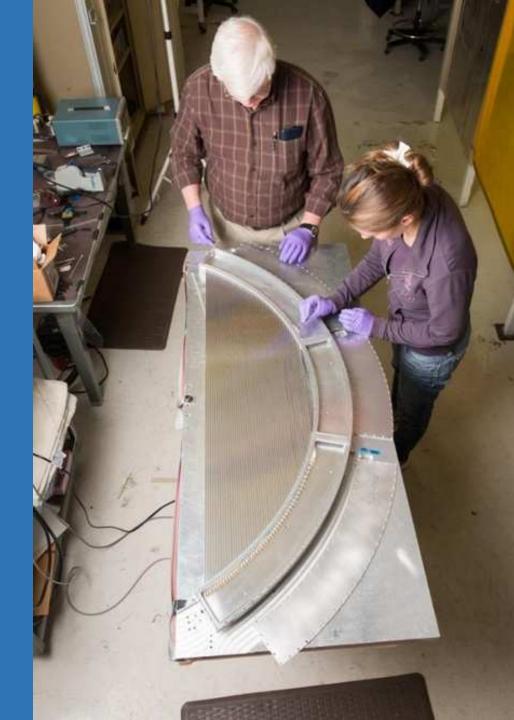




Tracker R&D

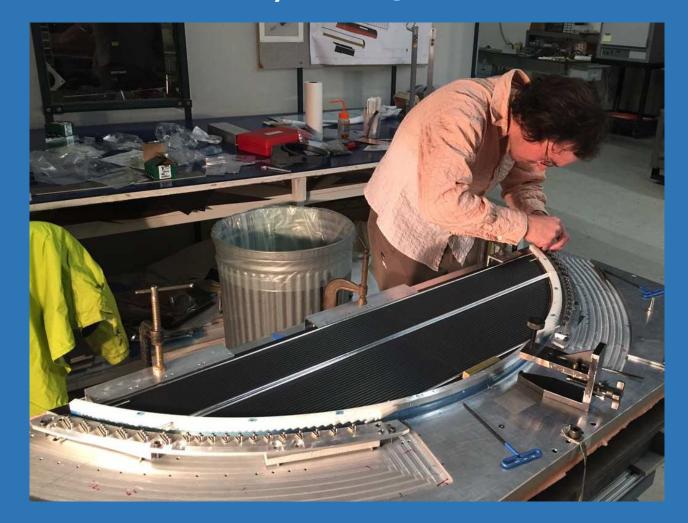
Assembly & test @ University of Minnesota





Tracker prototype

Assembly & test @ Fermilab

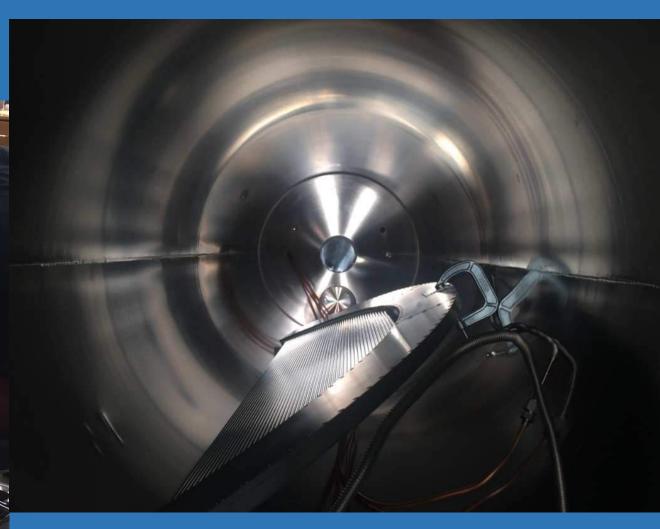




Tracker R&D

Tests @ Fermilab





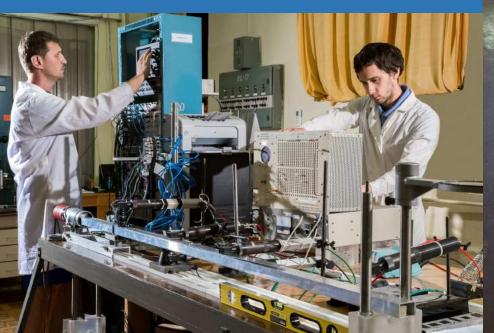
Mu2e will use XX scintillating counters to detect Cosmic rays



R&D ongoing

@ Dubna Institute (Russia)

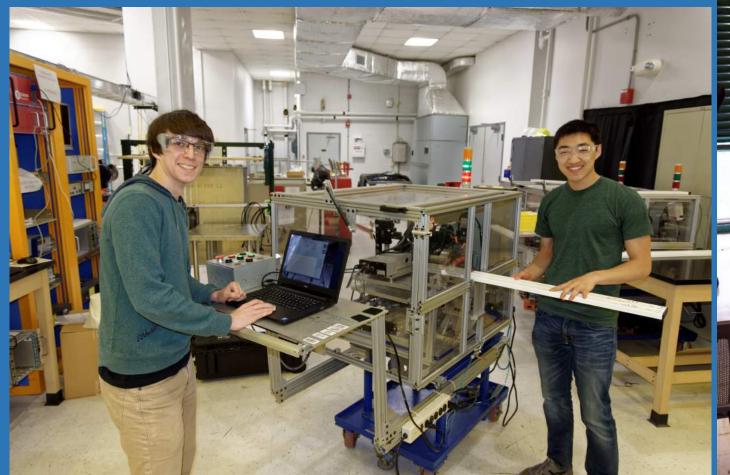
@ University of Virginia (VA USA)





Cosmic ray veto R&D

Test and production of scintillating counters engage young students @ University of Virginia (VA, USA)





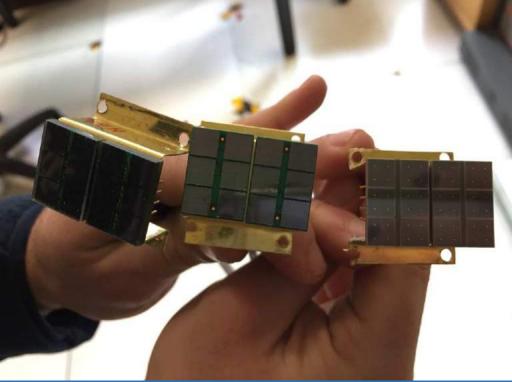
Cosmic ray veto R&D



The Mu2e Crystal

calorimeter

Photosensor QA @ INFN - Pisa (Italy)



Crystal QA @ INFN - Frascati (Italy)



Calorimeter R&D

Mechanical tests @ INFN - Frascati, Rome (Italy)





Calorimeter reduced scale prototype

Assembly & test @ INFN - Frascati Rome (Italy)

