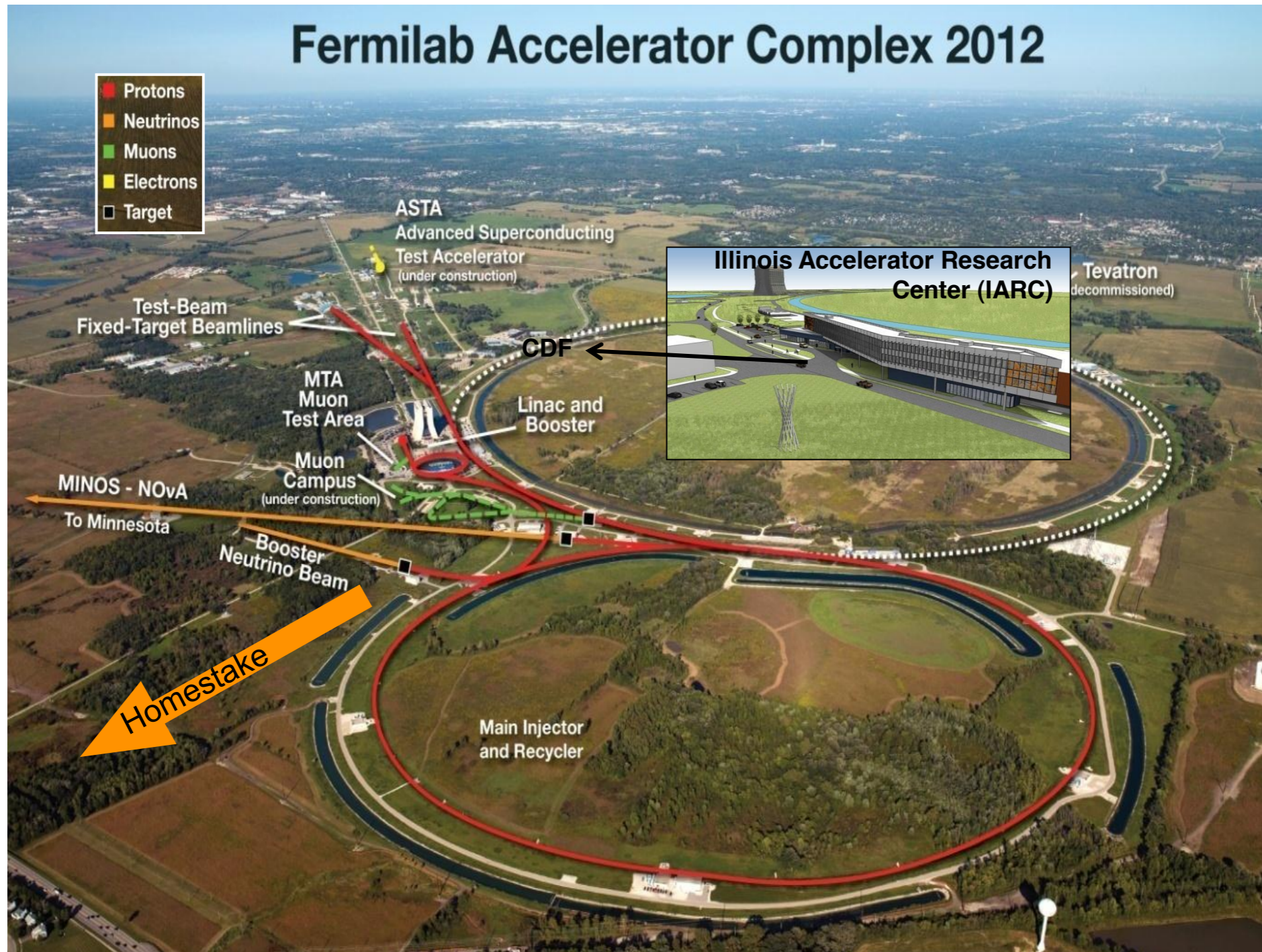
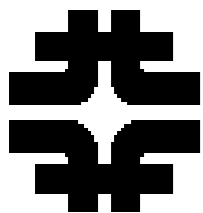


# Fermilab Node:

Two  
Neutrino  
Beamlines

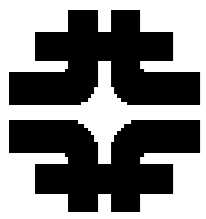




# Experiments:

- Booster Neutrino Beamline (0.2-1.2 GeV, 10-20 kW)
  - miniBooNE
  - SciBooNE (data taking complete)
  - microBooNE (under construction)
  - ? LAr1 (1 kton LAr detector)
- NuMI Beamline (1-10 GeV, 400 kW - 700kW - 1200 kW (max))
  - Argonut (data taking complete)
  - MINERVA
  - MINOS & MINOS+ (on-axis @ 735 km)
  - NOvA (12 mrad off axis @ 810 km - under construction) NDOS (running)
- New Possibilities
  - ? New Beamline to Homestake (1-5 GeV, 700 kW upto 2.1 MW)
    - ? LBNE
  - ? NuSTORM (muon storage ring for SBL physics)
- Dark Matter & Dark Energy Experiments (COUPP, DES, ...)





# Neutrino Experimentalists:

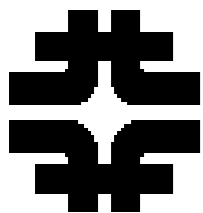
**NEUTRINO DEPARTMENT**  
S. Brice, Head  
R. Plunkett, Deputy Head

ADMIN. SUPPORT  
(E. Johnson)  
(S. Schuler)

<u>LBNE</u> B. Baller, Ldr (C. Escobar, IF) A. Hahn T. Junk (B. Lundberg) S. Moed-sher M. Stancari J. Raaf G. Zeller	<u>NOVA</u> J. Cooper, Ldr. H. Brown H. Ferguson W. Freeman D. Jensen (P. Lukens) (T. Miao) M. Muether, RA D. Perevalov, RA T. Sarlina P. Shanahan R. Tesarek	<u>MICROBOONE</u> R. Rameika, Ldr. B. Carls, RA C. James R. Krull S. Lockwitz, RA M. Soderberg  <u>MINOS</u> (R. Plunkett, Ldr.) R. Pahlka, RA B. Rebel, WF (V. Singh, IF)	<u>MINERvA</u> J. Morfin, Ldr. D. Boehnlein D. Hahn D. Harris J. Osta, RA D. Schmitz, LF R. Snider (D. Torretta)
<u>LIQUID ARGON R&amp;D</u> (S. Pordes, Ldr.) H. Jostlein, OC			

Members of the Computer Sector: Adam Para, .....

All experimentalists of Fermilab experiments (previous page)  
spend some time at Fermilab!



# Astro-Theorists:

## **THEORETICAL ASTROPHYSICS**

A. Stebbins, Head  
N. Gnedin, Deputy Head

## ADMIN. SUPPORT

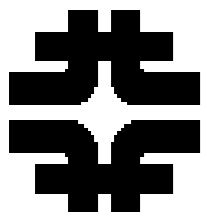
(J. Koch )

## PHYSICISTS

S. Dodelson  
J. Frieman  
D. Hooper

## RESEARCH ASSOCIATES

D. Alves  
M. Buckley  
R. Feldmann  
D. Johnston  
D. Spolyar



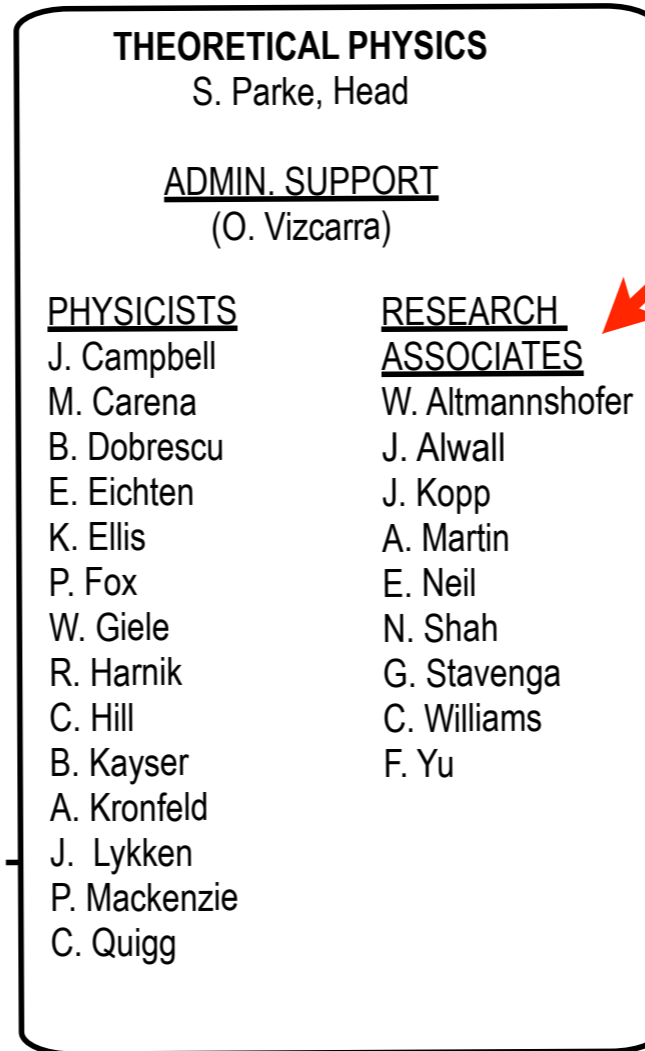
# Particle Theorists:

## Neutrino Theorists:

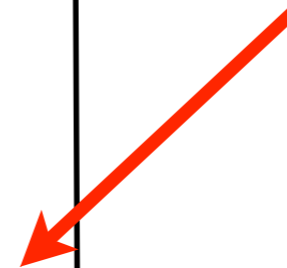
Stephen Parke  
Boris Kayser  
Joachim Kopp  
Chris Quigg  
.....

## BSM/Dark Matter Theorists:

Paddy Fox  
Roni Harnik  
.....



Post Docs



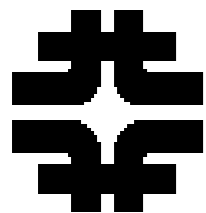
Trying to hire new excellent young people in the "Invisibles Frontier."

Heavily involved in: LBNE reconfiguration  
&

Short Baseline Task Force

([http://www.fnal.gov/directorate/program\\_planning/June2012Public/PAC\\_AgendaDraft\\_June\\_2012\\_v2-3.htm](http://www.fnal.gov/directorate/program_planning/June2012Public/PAC_AgendaDraft_June_2012_v2-3.htm))

World Class Theoretical Physics Research as well as to support the Fermilab experimental program (mission alignment!)



## Visitors:

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- Ben Lee Fellowships
- Active Visitors Program
- Summer Visitors Program
- Fermilab Fellowships  
(grad students)

ALL WELCOME  
to  
“Invisibles” Lab