



Center For  
Neutrino Physics

PATRICK HUBER

MAY 10, 2019





# NEW PEOPLE



Hisakazu Minakata  
Distinguished visitor



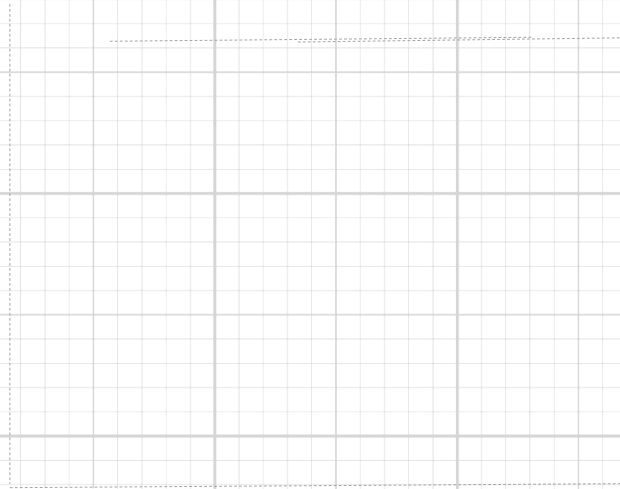
Lorrie Mitchell  
Administrative support



Ian Shoemaker  
Faculty

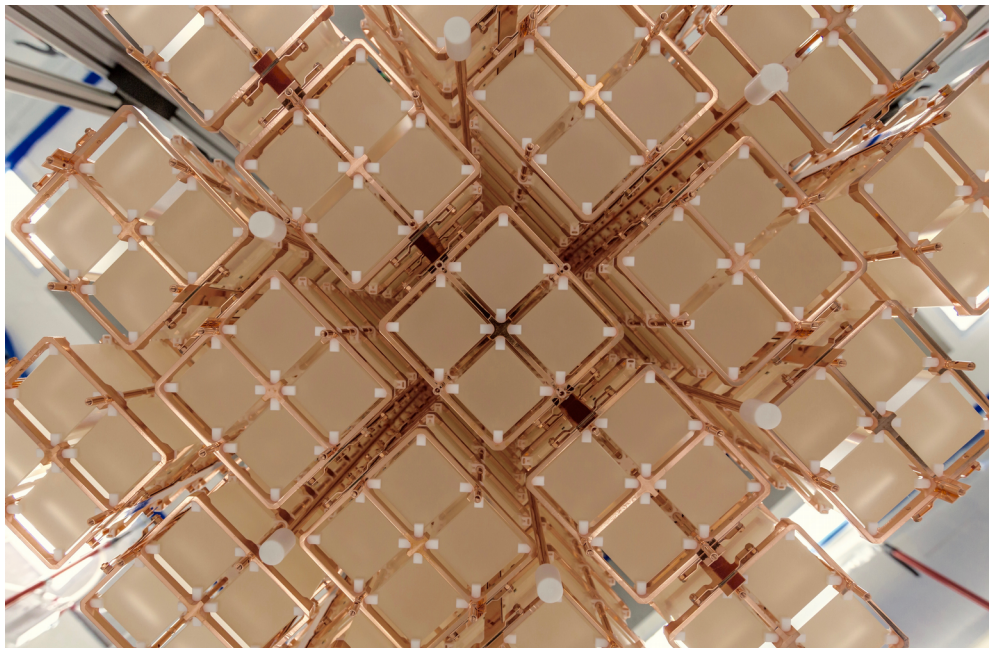


# RESEARCH



## DISCLAIMER

These highlights are not complete and represent what was emailed to me.



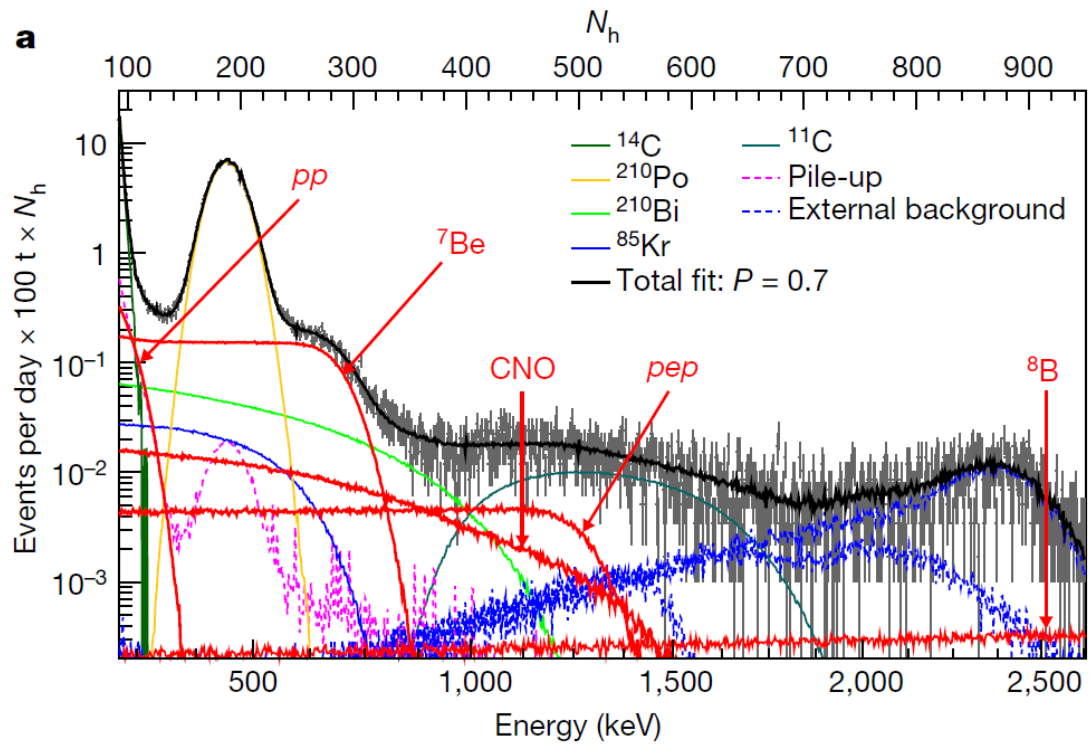
## CUORE

Tommy O'Donnell

Neutrinoless double beta decay

Phys. Rev. Lett. 120, 132501 (2018)



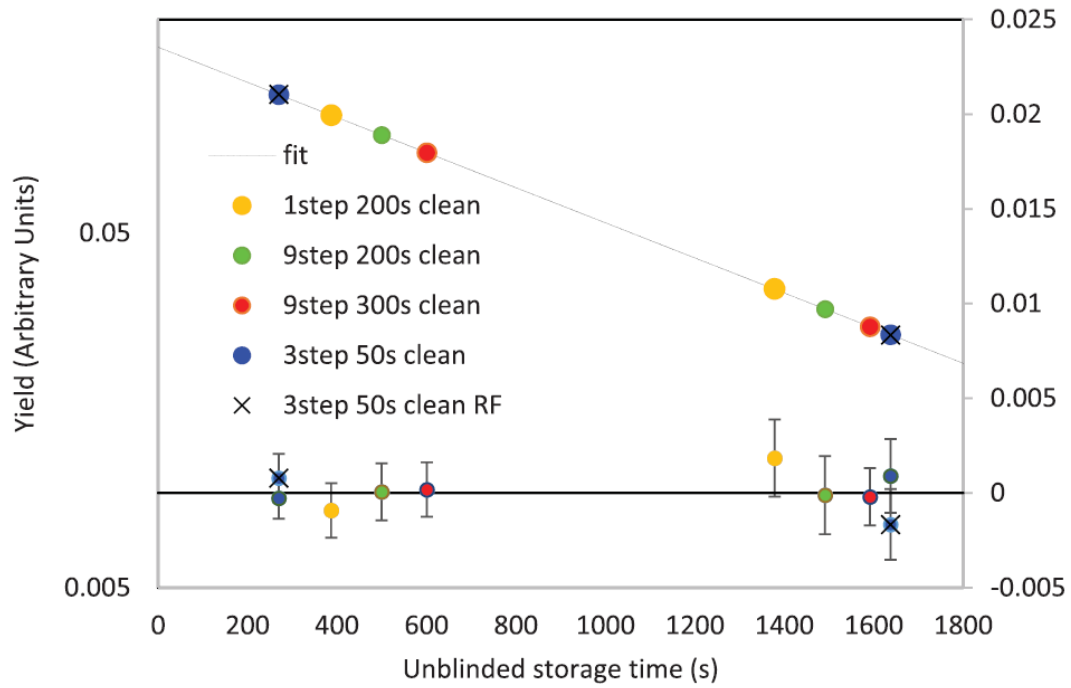


## Borexino

Bruce Vogelaar

Measurement of pp solar neutrino flux.

Nature 526, 505-509 (2018)



Fractional Residual

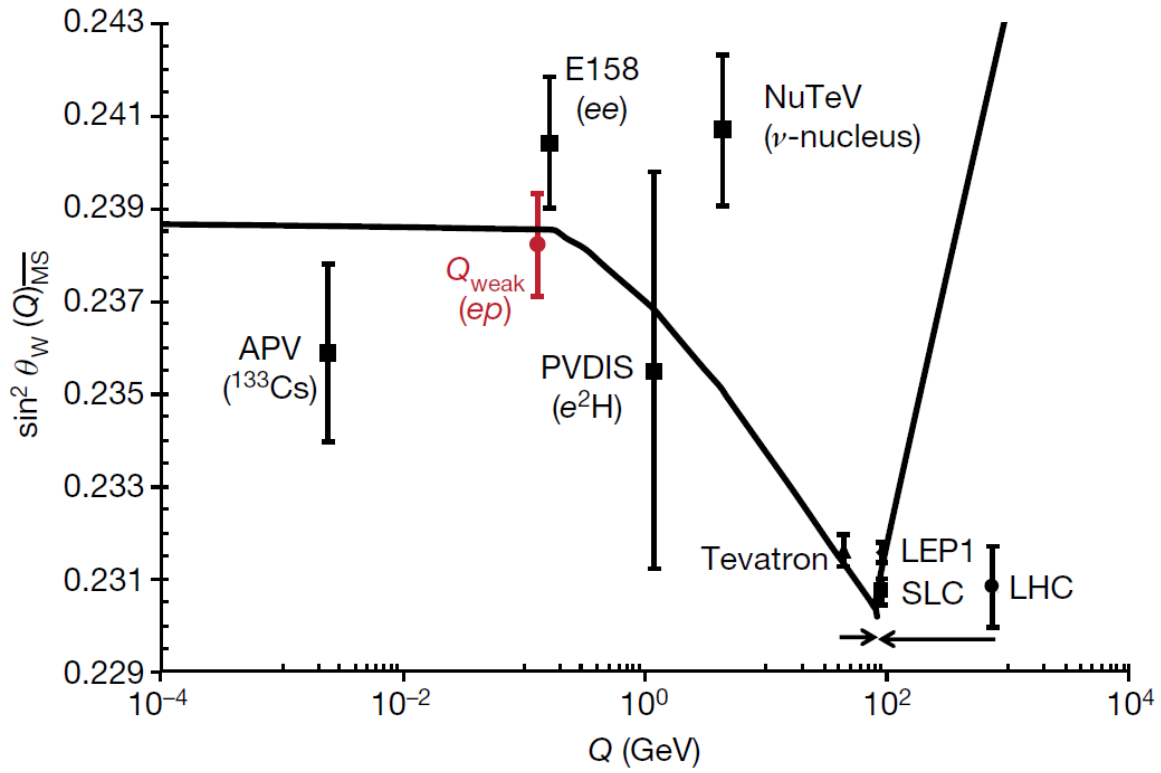
## UCN

Bruce Vogelaar

Neutron lifetime

Science 360, 627-632 (2018)



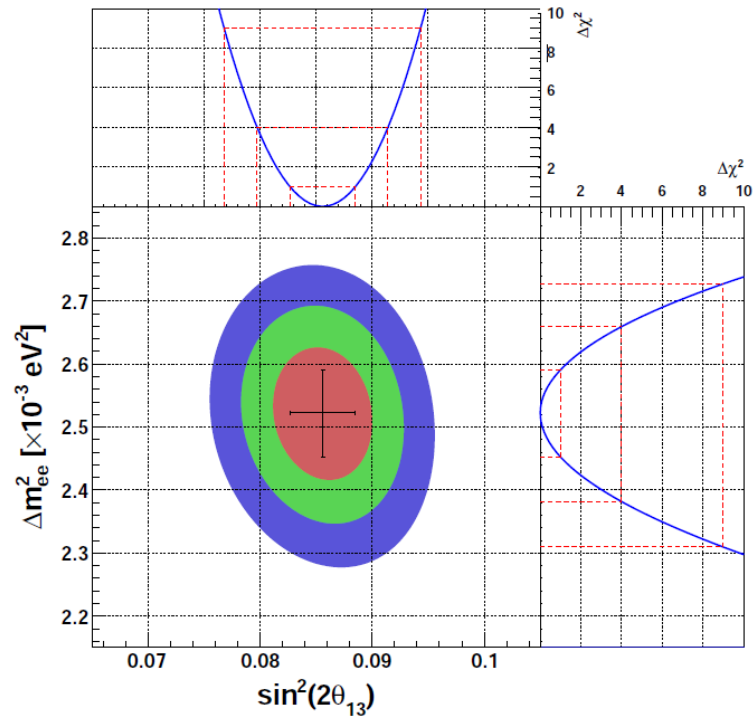


## QWEAK

Mark Pitt

Weak charge of the proton

Nature 557, 207-211 (2018)



## DAYA BAY

Jon Link, Patrick Huber

Theta 13

Phys. Rev. Lett. 121, 241805 (2018)







# HONORS

Djordje Minic, Tatsu Takuechi  
Buchalter Cosmology Prize by the AAS

Lara Anderson, James Gray  
Visiting positions at the Simmons Center, Stonybrook, NY

Tatsu Takeuchi  
Frank Haig Prize by the AAPT



# FUNDING 2019

Djordje Minic, Shunsaku Horiuchi, Patrick Huber, Tatsu Takeuchi  
New 4 year grant from DOE Office of Science

Shunsaku Horiuchi  
New 3 year grant from NSF Astrophysics

Patrick Huber  
New 5 year grant from the DOE NNSA

Jon Link,  
New 2 year grant from DOE Office of Science



We hosted NuFact  
2018 with nearly 150  
participants