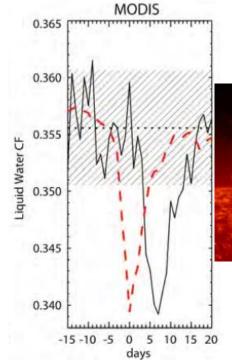




Cosmic Rays, Life and Paleoclimate

https://www.europhysicsnews.org/articles/epn/pdf/2015/02/epn2015462p26.pdf



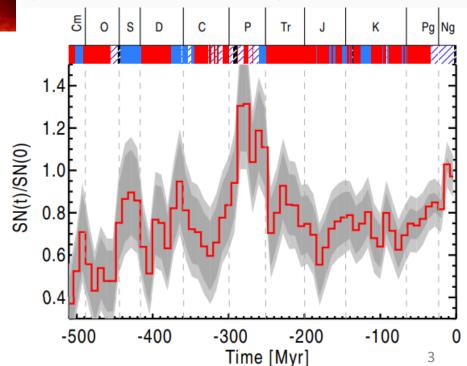
Forbush events

Correlation of neutron measurements (red) and liquid water cloud fraction (black)



Paleoclimate

Correlation of Supernovae rate (i.e.CR) and climatic periods (blue = cold = cloudy) over 500 Myr



Cosmic Rays and Clouds (CLOUD experiment at CERN)

Condensation Nuclei density is influenced by CR flux

https://home.cern/about/experiments/cloud http://cerncourier.com/cws/article/cern/41723



The EEE project sails to North Pole!

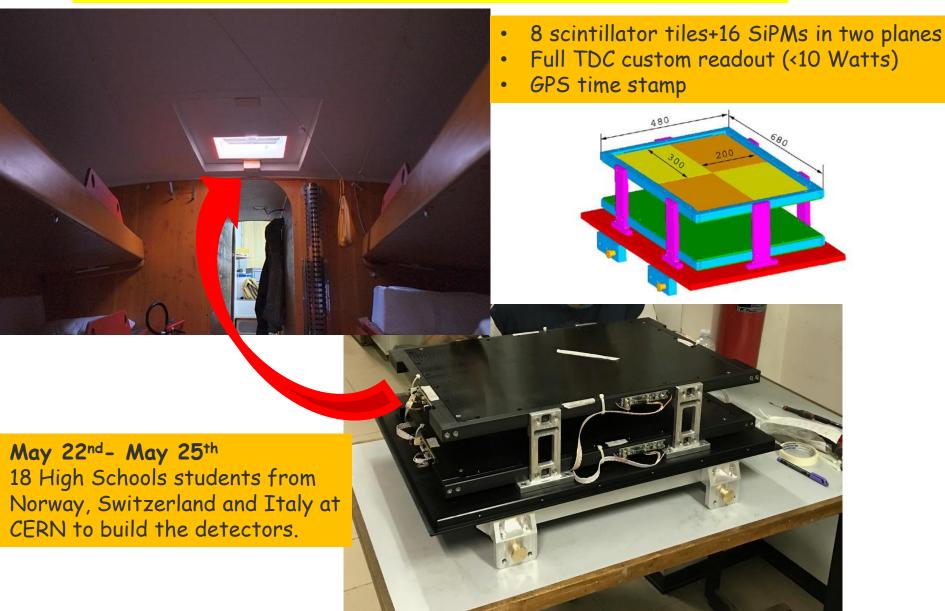








The EEE project sails to North Pole!



PolarQuEEEst 2018

Schedule CERN Building 29

09:30 10:00 10:20 10:45 11:15	Introduction + School presentation Presentation CERN Introduction to EEE PolarQuEEEst general Instructions for POLARQuEEEst construction group subdivision; start construction Lunch	Slides from each school J. Vigen D. Hatzifotiadou P. Catapano/R. Nania
14:30 15:15 16:00	Construction of two detectors EEE Extreme Energy Events Construction of two detectors High energy astrophysics and blue water cruising Extra time for construction	Prof. A. Zichichi Prof. T. <u>Courvoisier</u>
23-mag		
	visit SC/Exhibition/Globe Masterclass: Cosmics Rays and applications	M. Garbini, I. <u>Gnesi</u>
16:00	Oscilloscopes /signalssignals for all three telescopes visit to EEE groups prepare presentations	C. Williams, D. <u>Hatzifotiadou</u>
24-mag		
	HV <u>scan efficiency</u> on detectors <u>Masterclass</u> data <u>analysis</u>	F. <u>Noferini</u> (<u>vidyo</u>)
	visit SM18/magnets LHC /AMS/ALICE/ report groups detector/multimedia party	Students