On the shoulders of Giants

An incomplete story from Compton to Halzen

- The 1 IUPAP sponsored
- International Conference on Physics (ICP)
- Held in London (1-6 October 1934)

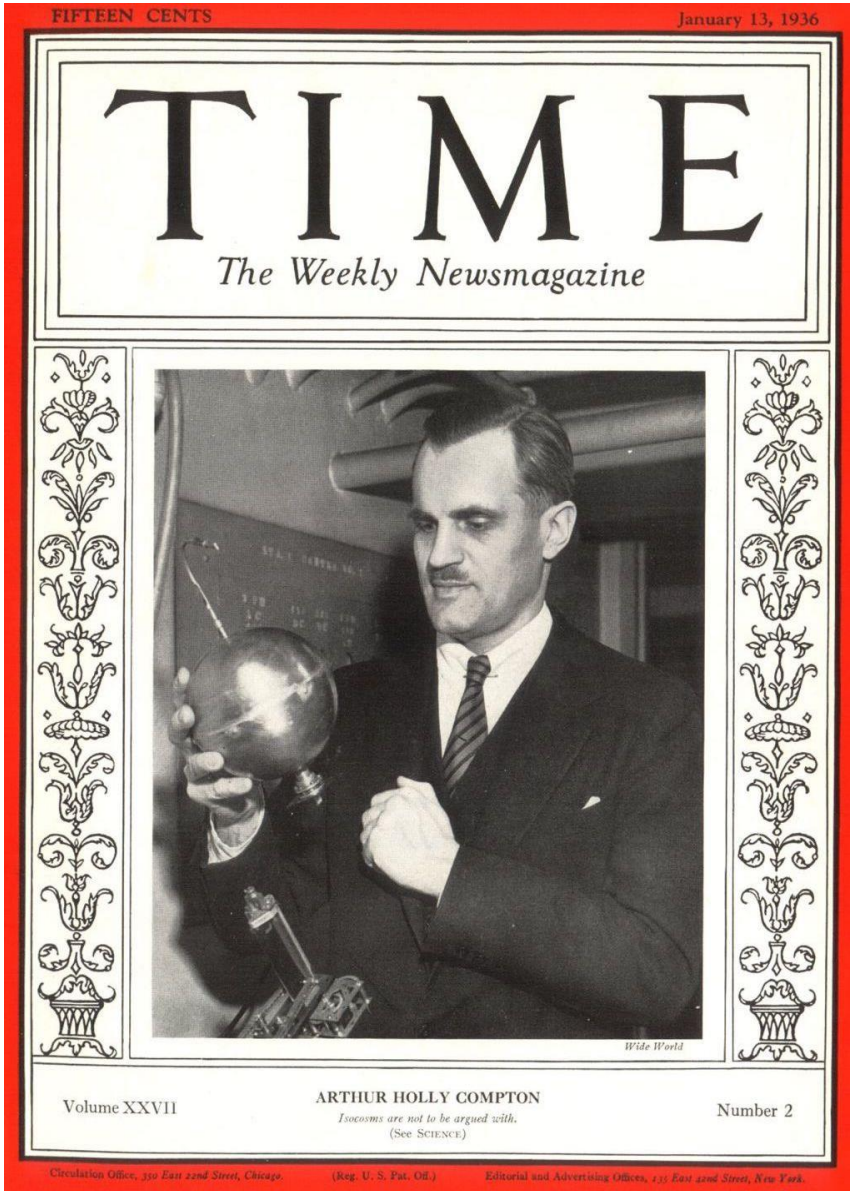
- 93 Years later…

- The 2 IUPAP sponsored
- International Conference on Physics (ICP)
- Will be held in Johannesberg (17-23 October 2027)

- In 1934 topics were Nuclear Physics, Solid State of Matter, Standards and Nomenclature

- Debate between IUPAP, President Robert Millikan and Arthur Compton about nature of cosmic rays

- Settled due to precise measurements of cosmic ray flux by Compton and a team from across the globe (Americas, Europe, Asia-Pacific) and carried out across the globe by his collaborations of scientists from different areas



Courtesy
“Time” archives

- But what could not be settled was the origin of high-energy cosmic ray

- Fast forward neutrinos being neutral and very weakly interacting offered a real chance to probe farthest object in the universe but only with unimaginatively large detectors

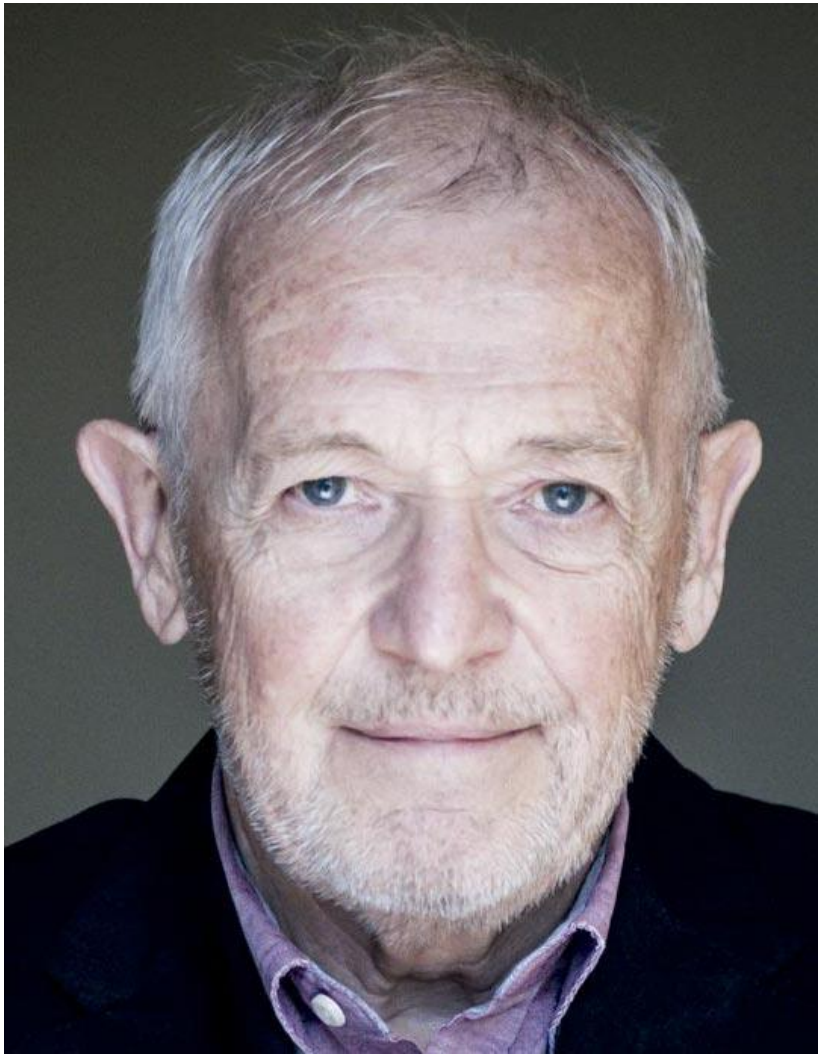
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- IceCube was born and began in 2011

- Began giving glimpses of the universe at highest energies through detection of neutrinos.

The 2021 IUPAP-TIFR-Locus Homi Bhabha Medal and Prize awarded to Prof. Francis Halzen





THE 2021 TIFR-IUPAP HOMI BHABHA MEDAL AND THE LOCUS.SH PRIZE AWARDED TO

PROFESSOR FRANCIS HALZEN

AT THE 37TH INTERNATIONAL COSMIC RAY CONFERENCE
BERLIN, GERMANY, 12 JULY 2021

FOR HIS OUTSTANDING CONTRIBUTIONS TO
COSMIC RAY RESEARCH.

S. K. Gupta

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