

Sad News

Dear colleagues

It is with great sadness that we learnt that our colleague Dave Luckey passed away on April 1st, not long before his 91st birthday, after dedicating his 20 years of retirement to working in CMS.

Dave retired in 1998. From 1998 till 2008 he worked at CERN as an academic guest of ETH Zurich, in the group of Felicitas Pauss, with the status of emeritus member of the CMS collaboration. During this time, he worked mainly on the CMS electromagnetic calorimeter. His understanding of the cumulative loss of light from Lead Tungstate crystals as due to Rayleigh-scattering on fission tracks caused by hadrons was a decisive input to the replacement decision of the CMS electromagnetic calorimeter end caps.

After 2008 he continued to be active in CMS as an emeritus scientist, member of the MIT group of Christoph Paus, relentlessly pursuing a better understanding of the electromagnetic calorimeter performance evolution in view of the high-luminosity running at LHC.

Dave should also be remembered for his earlier work in MARK-J, L3 and AMS. Last but not least, in 1962 Dave invented the light pipe for large-area scintillators, a detector development that marks particle physics up to our days.

Dave has been a great mentor and an inspiration for younger scientists working with him. Even in a well-advanced age, his curiosity for nature and science remained undiminished: enthusiastic, motivated, untiring. He was an avid reader of scientific literature, where he continuously found new ideas and discussions with him were always very inspiring. He can undoubtedly be considered a torchbearer for the very modern concept of interdisciplinarity in sciences.

A full account of his scientific career can be found in his Physics Today obituary online at <https://physicstoday.scitation.org/doi/10.1063/PT.6.4o.20190826a/full/>

He will be sorely missed.

We convey our sincere condolences to his wife and his family.

His friends and colleagues from ETH Zurich, MIT and CMS