

Elegance of fundamental laws of physics - outreach potential

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From Kepler to Einstein, Dirac and Weinberg (to name a few), most physicists believed that the ultimate explanation of the Universe must possess beauty. For some of them, beauty of the physical laws was as important as truth. Over the last few years, however, we hear more from dissenting voices fueled by the new physics results at the LHC, which claim that we have been led astray by aesthetics. These claims range from constructive criticism to more or less open hostility towards particle physics. This situation calls for an assessment and a proper reaction. I will argue that beauty in physics is alive and well and offers a wonderful message that can be conveyed to the public. The topic was inspired by the discussions we had within IPPOG collaboration.

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