Abstract Submitted for the TSF21 Meeting of The American Physical Society

Explaining Planck's Equation Hump Via Rubber Ball Max Penetration Fun Stuff¹ ARNO VIGEN, None — The concepts of Planck's constant and the Boltzmann constant are abstract. However, when presented as huge rubber ball collisions with max penetration, the abstract becomes physical understanding. The balls compress as in $PV=Nk_BT$. There is a stress that causes photons. However, if the max penetration goes to the electron shell, then an electron ejects instead, and no photon. This presentation splits the Planck equation into two superpositions, Boltzman for photon generation and Planck as the reduction of photons now. I explain the a) ratio, b) the minus one, and c) the relationship of h to Rydberg, then to max penetration distance. Planck's hv is not photons generated, but the reduction of photons that Boltzmann photons would produce if balls can compress to point-equations. The minus in the equation become physical understanding – with lots of fun.

 1 None

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Date submitted: 18 Jul 2021

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