

MACH, BOLTZMANN AND ATOMISM

NARENDRA DUTT SHARMA*

This article examines the life, philosophy and scientific thoughts of Ernst Mach and his influence on the science of late nineteenth century, as an originator of 'Philosophy of Science'. In the same perspective, most innovative and the great ideas of Ludwig Boltzmann are examined that in spite of opposition to his theories because of anti-atomistic views of Mach, he continued his work which were not only found true but were greatly appreciated mainly during his final years on support of Planck and Einstein, and more so after his death when experimental studies of French scientist Jean Perrin verified his work. This is an interesting story to realize that how the thoughts and philosophy of one scientist could influence the scientific developments of the period and thus even affecting the thoughts and lives of many other scientists.
