

Abstract Submitted  
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**Capillary Action may be used in feeding Particles and as calorimeters in Accelerators** RICHARD KRISKE, University of Minnesota — Capillary Action was first proposed to be a Quantum Mechanical Effect by this Author. In plants it takes no work for water to travel up a tree, a flow of fluid begins when a thermal photon causes the water at the top of the column to evaporate. When the molecule evaporates a “hole” is transferred down the water column to the roots where apparently the “hole” establishes a “current” of “holes” in the manner of theory which is superior to the theory of “solid-state” physics. The “hole” can also be used in a “path-integral” formulation as is done in particle physics. A particle (a thermal photon) would strike the surface at the top of the column in through some “spring” method cause the whole column to rise—which is an interesting variation of the “spring-in-mattress” model used in Quantum Field Theory. Obviously a proper size tube- say a nanotube could be coupled to an Accelerator and the Quantum Field Theory Calculation of the Beam could be used to couple with the “spring” field available in the Tube. For the right sized tube, a Calorimeter would be the result. For other sized tubes, the beam could be fed with molecules and particles that have similar characteristics to water. Capillary Action is an example of Particle Physics seen in directly in the Classical world.

Richard Kriske  
University of Minnesota

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