## Abstract Submitted for the MAR09 Meeting of The American Physical Society

Consciousness Can Change the Output Signals of a Solar Cell and the Photoelectric Conversion Equation of Slow Mass Wave DAYONG CAO, Beijing Natural Providence Science & Technology Development Co., LTD -The experiment's results show that human consciousness can change output signals such as  $V_{oc}$  (open-circuit voltage) and  $I_{sc}$  (short circuit current) of a solar cell placed some distance from a participant. For the first time, a consciousness signal is able to be recorded through the experiment conducted in Oct 2002. The order and rhythm of the changing wave pattern of  $V_{oc}$  is related to the action of consciousness. The order and rhythm of slow brain signal of ERP and EEG are related to the cognized objects. Consciousness is independent and self-determined while brain signal is passive and driven. Consciousness is spiritual and Intelligence while brain signal is physical, corporality and mechanic. So consciousness is different from the brain signal. And consciousness effection is different from physical effection of light. Because consciousness can choose the object which it acts on. The light have a pairt of mass wave of low frequency and energy wave of high frequency. In photoelectric conversion process, We only use the energy wave to get the  $\eta$  (photoelectric transformation efficiency) which is little. If being used a pairt of wave, we will get a larger  $\eta$ . The photoelectric conversion equation of slow mass wave are being put forward.

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