

Abstract Submitted
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Logical Aspect of Quantum Tunnelling SHANTILAL GORADIA,
Gravity Research Institute, Inc. — I am postulating that every particle communicates to the rest of the universe via a quantum mouth as shown in Fig 2, physics/0210040 v3 (What is Fine-structure Constant?). A question is raised “How can it explain quantum tunneling?” The neck like portion of the connection between the particle and its mouth can stretch as it has no classical counterpart of any fixed length. When the mouths of the alpha particle appear outside the potential well as they will do consistent with quantum probabilities, observing particles positioned outside the potential well can create enough force to drag the alpha particle over the peak of the well and outside. There is no constraint of the stretch of the neck, invisible to us. This logic has a potential to throw light on the issue of EPR.

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