"Buckaroo Banzai Across the 8th Dimension"
A Strategic Assault on the Dimensional Barrier

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Abstract. Currently three avenues exist for experimentally demonstrating, the existence of, or for accessing, additional dimensionality beyond restrictions of the 4D Standard Model. 1) Enhancements to the CERN LHC or proposed Chinese supercolliders double the size of the LHC by 'gravity's rainbow' or other means. 2) Exploration of topological pumping in Quantum Hall symmetry mirroring of novel topological phases in higher dimensions (HD) or the rash of similar formats, already with proof of concept in 2017. These protocols are cryogenic. 3) The table-top room temperature Amoroso-Vigier Tight-Bound State (TBS) protocol surmounting the Uncertainty Principle by rf-pulsed Sagnac Effect resonance parameters acting on the Dirac polarized vacuum. With Dubois incursive oscillator parameters added, a QED cavity opens into XD/LSXD topology *discovering* additional HD TBS spectral lines. Kaluza in 1919, proposed a 5D classical unified field extension of general relativity, followed by Klein's improvement to a quantum interpretation in 1926, which are considered the major precursors to String Theory which had tenuous origins in the late 1960s. Discrepancies in QED going back to about 2000 are attributed to researchers like Chantler; although theory has sallied forth, not until 2017 has direct experimental evidence for additional dimensions (XD) appeared in relation to Quantum Hall effects. As an aid to the reader, pertinent aspects of string theory necessary for developing the parameters of the TBS model are reviewed. The main task of the paper then presents development of the topological phase transitions required to perform the experiment.#