

Prof. John Simonetti (VT Physics)

“Astrophysical Searches for Extra Spatial Dimensions”

Extra spatial dimensions have been employed in theoretical physics for quite some time now. Earth-bound experimental tests for the existence of extra spatial dimensions are currently limited. Astrophysical tests are also possible. I will review some of the basic conceptual ideas that underlie the theories. Then I will discuss some astrophysical observations that could test for the existence of extra spatial dimensions.

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