

Stanford



Divyanshu Murli

Ph.D. Student in Physics, admitted Autumn 2014

Bio

BIO

I am currently a third year PhD student in theoretical physics, and my advisor is Prof. Renata Kallosh. My research interests encompass all aspects of supergravity and string theory, with applications to particle physics, cosmology and mathematics. My current focus has been in spontaneously broken nonlinearly realised supersymmetric quantum field theories, where I've been studying their scattering amplitudes and their supergravity/stringy/braney constructions.

During my undergraduate years at UC Santa Barbara, I worked under the supervision of Prof. Joe Polchinski on large N Chern-Simons theory coupled to matter.

My curriculum vitae (CV) is available upon request.

EDUCATION AND CERTIFICATIONS

- BS, University of California, Santa Barbara , Physics (2014)

STANFORD ADVISORS

- Renata Kallosh, Doctoral Dissertation Advisor (AC)

PERSONAL INTERESTS

In my free time, I enjoy unicycling, travelling and trekking.

Publications

PUBLICATIONS

- **Orthogonal nilpotent superfields from linear models** *JOURNAL OF HIGH ENERGY PHYSICS*
Kallosh, R., Karlsson, A., Mosk, B., Murli, D.
2016
- **From linear to nonlinear supersymmetry via functional integration** *PHYSICAL REVIEW D*
Kallosh, R., Karlsson, A., Murli, D.
2016; 93 (2)
- **Origin of Soft Limits from Nonlinear Supersymmetry in Volkov-Akulov Theory**
Kallosh, R., Karlsson, A., Murli, D.
Arxiv preprint.
2016