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S E M I N A R

Quivers and BPS states in 3d and 4d



Prof Piotr Kucharski
(University of Warsaw, Poland)

ABSTRACT

Knot-quiver correspondence provided a picture of BPS state counts in 3d N=2 theories associated to symmetric quivers. On the other hand, we have another, well established construction of BPS states in 4d N=2 theories which also correspond to quivers, but not symmetric ones. In this talk I will give an answer for an obvious and long-standing question about the relation between these two perspectives.

Prof Piotr Kucharski is an Associate Professor at the Institute of Mathematics, University of Warsaw, Poland. His research lies at the intersection of mathematics and theoretical physics, focusing on quantum topology, knot geometry, the knot–quiver correspondence and BPS states.

DATE:
Tuesday, 10 November 2026

TIME:
15h00-16h00 SAST

VENUES:

- Honours Presentation Room P213
  2nd floor, School of Physics
  East Campus
  University of the Witwatersrand
- Online

WHO SHOULD ATTEND?
All are welcome.

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