

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research
Department of Mathematics*

GEOMETRY SEMINAR

Elliptic log symplectic brackets on projective bundles

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Abstract

I will discuss deformation theory of complex manifolds endowed with a meromorphic symplectic form, which has only simple poles. Such deformation theory is encoded by certain graphs with decorations, called smoothing diagrams, which were introduced in a joint work with Pym and Schedler. I will discuss how combinatorics of these diagrams predicts the geometric properties of the deformed log symplectic Poisson brackets. In particular, I will present a novel method for constructing elliptic Poisson brackets.

Date:	April 30, 2024 (Tuesday)
Time:	2:00 – 3:30pm
Venue:	Rm 210, Run Run Shaw Bldg., HKU

All are welcome