

SEMINARIO DI GEOMETRIA

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@ Dipartimento di Scienze Matematiche, Politecnico di Torino,
AULA 7D

GREGORY SANKARAN

(University of Bath, UK)

Moduli spaces of O'Grady's
10-dimensional hyperKähler manifolds

Only four families of compact hyperKähler manifolds are known. We shall explain how to describe the moduli spaces of polarised varieties for one of the families, and how to use the theory of exceptional root systems to construct special modular forms, which can then be used to show that the moduli spaces are almost all of general type.