

Workshop on Algebraic Geometry and Physics 2025. Moduli Spaces in
(Super)Geometry and Mathematical Physics. A celebration of Ugo Bruzzo's
70th birthday

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Higgs Grassmannians

Monday, 6 October 2025 15:00 (1 hour)

We consider a Higgs bundle (E, ϕ) . Its Higgs Grassmannians are subschemes of the usual Grassmannian bundles of E that parameterise Higgs quotients of (E, ϕ) . We recall how to define them, present some results about their structure, and explain how they can be used to prove some results about Higgs bundles satisfying a strong semistability condition.

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