

CM modules from Grassmannians

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We study the category of Cohen-Macaulay modules over a quotient of a preprojective algebra. We are interested in describing its Auslander-Reiten quiver. In particular, we study tame cases and construct tubes containing rank 1 and rank 2 modules. We relate the number of rigid indecomposable modules with the number of real roots for the corresponding Kac Moody algebra. This is joint work with D. Bogdanic and A. Garcia Elsener.