

## **Frobenius categories arising in Lie theory**

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Abstract:

To each element  $w$  of the Weyl group of a quiver, one can associate a Frobenius subcategory  $C_w$  of the module category of a preprojective algebra. The categories  $C_w$  were defined and studied by Buan, Iyama, Reiten and Todorov, and (for adaptable Weyl group elements) independently by Geiss, Leclerc and the speaker. We will give a Lie theoretic interpretation of  $C_w$ .

This is joint work with Christof Geiss and Bernard Leclerc.