

# SEMPARIS – Séminaires en région parisienne

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## Séminaire de physique mathématique

**Mardi 26 Novembre 2019, 14 :15**  
IPHT, Salle Claude Itzykson, Bât. 774  
Domaines : math-ph

Titre : *Affine Yangian and quantum toroidal algebra – relation with integrability and application to AGT conjecture*

Orateur : **Y. Matsuo**

Résumé : *In this talk, I first review the role of affine Yangian (AY) to prove AGT conjecture. I emphasize that the duality in the representation plays an essential role to prove the conjecture. I also explain that the connection with the integrability as the name of the algebra suggests. In the second part, if the time permits, I would like to explain my recent work on the corner vertex operator algebra. Some emphasis is put on the connection with the plane partition realization of the minimal models.*

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