

**SEMPARIS – Séminaires en région parisienne**  
<http://string.lpthe.jussieu.fr/semparis/>

**Séminaire commun LPTENS/LPTHE**

**Mardi 14 Mai 2019, 11 :30**  
LPTENS, LPTENS Library  
Domaines : hep-th—math-ph

Titre : *Analytic continuation of TBA equations*

Orateur : **Patrick E. Dorey** ( **Durham University** )

Résumé : *TBA equations encode the energy levels of integrable quantum field theories in finite volume. If these equations are continued through complex values of the coupling constant, different energy levels can be connected. This talk will explain how this goes, and describe old and ongoing work to explore the resulting Riemann surface, looking at the Yang-Lee and sinh-Gordon models.*

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