



Du  
**29**  
JAN.  
2022

14h30  
-  
15h30

## **SÉMINAIRE BOURBAKI**

**Philippe Michel — Recent progress on the subconvexity problem**

IHP  
Hermite

INSCRIPTION

### **EXPOSÉ ANNULÉ ET REPORTÉ**

The subconvexity problem aims at providing non-trivial (ie. subconvex) bounds for central values of automorphic L-functions; the main conjecture in this area is the Generalized Lindeloef Hypothesis which itself is a consequence of the Generalised Riemann Hypothesis. This lecture will survey several advances that have been made on this question during the past ten years : these include the delta-symbol approach of R. Munshi, the Weyl type bounds of I. Petrow and M. Young (both use the Dirichlet L-series representation of the central values) and the work of P. Nelson and A. Venkatesh (who use the automorphic period representations for the central value).

NB: A youtube link is available on [bourbaki.fr](https://www.bourbaki.fr)

URL of the page: <https://www.ihp.fr/fr/agenda/philippe-michel-recent-progress-subconvexity-problem>



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### **HORAIRES**

L'institut :

- lundi au vendredi de 8h30 à 18h,
- fermé les jours fériés.

Le musée - Maison Poincaré :

- lundi, mardi, jeudi et vendredi de 9h30 à 17h30,
- samedi de 10h à 18h,
- fermé le mercredi et le dimanche.