



Seminar/Talk

# Integral factorials ratios and mixed Hodge numbers

**Fernando R. Villegas**

ICTP, Italy

Host: Tamas Hausel

I will discuss how the integrality of ratios of factorials such  $(30n)!n!/(6n)!(10n)!(15n)!$  considered by Chebyshev is related to the vanishing of certain Hodge numbers of an affine hypersurface in a torus. The relation follows from a new proof of a known recipe for the Hodge numbers of hypergeometric motives in one variable. If time permits I will also discuss ongoing work on the case of hypergeometric motives depending on more variables.

**Thursday, October 24, 2019 01:30pm - 03:30pm**

Heinzel Seminar Room / Office Bldg West (I21.EG.101)



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

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<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.