

## **abstract**

SPECIAL LECTURE

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

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Let  $G$  be a reductive algebraic group over a local field  $k$ . Hiraga, Ichino and Ikeda have recently proposed a general conjecture for the formal degree of a discrete series representation of  $G(k)$ , using special values of the adjoint L-function and epsilon factor of its (conjectural) Langlands parameter. I will reformulate this conjecture using Euler-Poincare measure on  $G(k)$  and the motive of  $G$ , establish a key rationality property of the ratio of special values in the non-Archimedean case, and explore some of its implications for supercuspidal parameters. This is joint work with Mark Reeder.