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Zheng LIU. p-adic families of Klingen-Eisenstein series and theta series.

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Abstract: p-adic interpolations of Eisenstein series and theta series give explicit examples of p-adic families of automorphic forms. Their congruences with other automorphic forms help show lower bounds of certain Selmer groups. I will first explain the construction of a p-adic Klingen Eisenstein family for symplectic groups, and then discuss its connection with a p-adic family of theta lifts.