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*Arthur packets for real unitary groups*

Mok, Moeglin and Renard have defined Arthur packets for unitary groups. Their definition follows Arthur's work on classical groups, and relies on harmonic analysis. For real groups an alternative definition of Arthur packets has been known since the early 90s. This approach, due to Adams-Barbasch-Vogan, relies on sheaf-theoretic techniques instead of harmonic analysis. In joint work with N. Arancibia, we prove that these two definitions are equivalent for real unitary groups.