

LARGE CARDINALS BEYOND HOD

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ABSTRACT. In my talk, I will present recent work on natural fragments of the notion of Reinhardt cardinals that turn out to be compatible with the Axiom of Choice. It turns out that the existence of these large cardinals has far-reaching consequences for the class HOD of all hereditarily ordinal definable sets and Woodin's HOD Dichotomy. This is joint work with Juan P. Aguilera, Joan Bagaria and Gabriel Goldberg.