

Gravitational wave production through decay of the inflaton into intermediary fields during slow roll inflaton

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Room 415 Nieuwland Science Hall

I will discuss possible observable signals of tensor metric perturbations sourced during slow roll inflation from decay of the inflaton field into other intermediary fields. I will focus on two main scenarios, one of explosive production of intermediary fields for a short period during inflation and another of prolonged production of vectors due to a derivative coupling of the vectors with the inflaton field.