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*Coherent Higgs Systems*

Let  $X$  be a Riemman surface and  $K$  the canonical bundle. An  $L$ -pair of type  $(n, d, k)$  is a pair  $(E, V)$  where  $E$  is a vector bundle over  $X$  of rank  $n$  and degree  $d$ , and  $V$  a linear subspace of  $H^0(\text{End}E \otimes L)$  of dimension  $k$ . A coherent Higgs system is a  $K$ -pair. In this talk the moduli space of  $K$ -pairs of type  $(n, d, 1)$  are related to the moduli spaces of Hitchin pairs of type  $(L, P)$ .