Generalized Gelfand Pairs Associated to Heisenberg Type Groups

Let $\mathfrak{n} = \mathbb{Z} \oplus V$ be the Lie algebra corresponding to a group of Heisenberg type $N$. Assume that $V$ is an irreducible Clifford module. In this article we determine the generalized Gelfand pairs $(K, N)$, where $K$ is the group of automorphisms of $\mathfrak{n}$ that preserve $V$.

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