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Title:Exchange interaction of electrons with Mn in hybrid AlSb/InAs/ZnMnTe structures

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Abstract: Diluted magnetic semiconductor heterovalent AlSb/InAs/ZnMnTe quantum well (QW) structures with an electron channel have been designed and grown applying molecular-beam epitaxy. The enhanced magnetic properties of QWs as a result of the exchange interaction with Mn2t ions, are proved by measuring the microwave radiation induced spin polarized electric currents.