研究室名

## 棚本研究室 学会発表

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演題名	Measurement of qubits by using quantum dots via mediated electron system
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内容	We theoretically formulate the transport properties of both three and five QDs based on the Green function method. The effects of the energy difference of two side-QDs on the measurement current are calculated. The trade-off between the strength of the measurement and the back-action induced by the measurement is discussed. It is found that the medium coupling strength of the three QDs is appropriate for reading out the difference of the two energy-levels.