## Abstract Submitted for the MAR17 Meeting of The American Physical Society

Spatially and time resolved kinetics of indirect magnetoexcitons<sup>1</sup> MATTHEW HASLING, CHELSEY DOROW, ERICA CALMAN, LEONID BUTOV, Univ of California - San Diego, JOE WILKES, Cardiff University, KENNETH CAMPMAN, ARTHUR GOSSARD, Univ of California - Santa Barbara — The small exciton mass and binding energy give the opportunity to realize the high magnetic field regime for excitons in magnetic fields of few Tesla achievable in lab Long lifetimes of indirect exciton give the opportunity to study kinetics of magnetoexciton transport by time-resolved optical imaging of exciton emission. We present spatially and time resolved measurements showing the effect of increased magnetic field on transport of magnetoexcitons. We observe that increased magnetic field leads to slowing down of magnetoexciton transport.

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