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Abstract for an Invited Paper
for the DAMOP10 Meeting of
the American Physical Society

**Davisson-Germer Prize in Atomic or Surface Physics Talk: Few-body processes in the quantum
limit¹**
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Recent theoretical studies of low energy collisions and resonant processes will be reviewed. These include the process of molecular dissociation induced by electron collision, and the role of universal Efimov physics in collisions of three or four atoms in an ultracold gas. The role of experiment in testing and advancing our understanding of these few-body studies will also be discussed.

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