

Abstract Submitted  
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**DIII-D Confinement and Boundary Physics Programs<sup>1</sup>**

R.D. STAMBAUGH, DIII-D TEAM, General Atomics — The DIII-D Research Program has strong efforts in confinement and boundary physics studies. In the area of transport, significant results are reported in the areas of internal transport barriers, the quiescent Double barrier (QDB) regime, fundamental turbulence studies, tests of theory based transport models, dimensionless parameter scaling studies, H-mode access conditions, and the H-mode pedestal structure. In the boundary physics area, studies have focussed on pellet fueling, density control for advanced tokamak scenarios by divertor pumping, impurity transport and sources, scrape-off layer (SOL) characteristics of QH and QDB regimes, effects of divertor geometry, mechanisms of cross-field transport in the SOL, the role of drifts and electric fields, surface erosion mechanisms, and density limits. Recent results will be summarized and the overall program described.

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Prefer Oral Session  
Prefer Poster Session

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