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David L Duncan* (duncand1@jmu.edu). *Gluing mASD connections on cylindrical end 4-manifolds.*

Taubes' gluing theorems establish existence for ASD connections on closed 4-manifolds. We discuss recent extensions of these gluing results to the mASD-connections of Morgan–Mrowka–Ruberman on cylindrical end 4-manifolds. (Received January 12, 2021)