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Nur Saglam* (sag1a004@umn.edu). *Strongly fillable but not Stein fillable contact structures on 3-manifolds $-\Sigma(2, 2g + 1, 2(2g + 1) - 1)$.* Preliminary report.

In this talk, we will show that the 3-manifold $-\Sigma(2, 2g + 1, 2(2g + 1) - 1)$ admits a contact structure μ_0 which is strongly fillable but not Stein fillable. We will explain how to produce $(-\Sigma(2, 2g + 1, 2(2g + 1) - 1), \mu_0)$ and show that μ_0 is strongly symplectically fillable. If time permit, we will prove the non-Stein fillability of μ_0 using the contact invariants in Heegaard-Floer theory. (Received February 13, 2016)