Jeremy Van Horn-Morris\* (jvanhorn@math.utexas.edu), Department of Mathematics, 1 University Station C1200, Austin, TX 78712-0257. Open Book Decompositions of Torus Bundles over S<sup>1</sup>.

For every linearly twisting contact structure on a torus bundle, we construct a compatible, genus one open book decomposition. As an immediate corollary we find Stein fillings for some contact structures, including a positive Lefschetz fibration over the disk giving the Stein structure on  $T^2 \times D^2$ . More importantly, this lays the groundwork for computing the Ozsvath-Szabo contact invariant. (Received September 26, 2006)