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Michael A Abel* (maabel@live.unc.edu) and **Lev Rozansky** (rozansky@email.unc.edu). *A filtration on HOMFLY-PT homology via virtual crossings*. Preliminary report.

In 2006, Khovanov gave a construction of HOMFLY-PT homology in the homotopy category of Soergel bimodules. Soergel bimodules can be naturally filtered by bimodules representing virtual crossings, known as standard bimodules. We show that, by choosing the proper filtrations by virtual crossings, we get a filtration on HOMFLY-PT homology which is a link invariant. The grading induced by this filtration is independent of the three preexisting gradings, turning HOMFLY-PT homology into a quadruply-graded theory. (Received November 02, 2013)