Meeting: 1007, Santa Barbara, California, SS 5A, Special Session on Noncommutative Geometry and Algebra

1007-16-117 **E S Letzter*** (letzter@math.temple.edu), Department of Mathematics, Temple University, Philadelphia, PA 19122. *On Noncommutative Spectra Finitely Stratified by Commutative Spectra.* Preliminary report.

We consider a unified axiomatic framework in which to study the prime and primitive ideals of both finitely generated PI algebras (over a field) and quantum function algebras (at nonroots of unity). In particular, for an algebra R in this setting we observe that there exists a finitely generated commutative algebra Z (over a field), and a morphism of noncommutative spaces $\mathrm{Mod}Z \to \mathrm{Mod}R$ (in the sense of Rosenberg), such that the naturally produced correspondence $\mathrm{Spec}Z \to \mathrm{Spec}R$ is a continuous, surjective, single-valued function. (Received February 14, 2005)