Poisson and Hochschild cohomology and the semiclassical limit

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Let A be a $k(q)$-algebra with PBW basis of polynomial type admitting a semiclassical limit. I will show how to consider the ordinary enveloping algebra A^e of A as a deformation of the Poisson enveloping algebra of its semiclassical limit and use this to investigate the relationship between Hochschild cohomology and Poisson cohomology in this setting. The talk will be based on my preprint

http://arxiv.org/abs/1304.6003