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Spectral comparison between AGN at $z = 0.1, 0.2$ and 0.3

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Abstract content
 (Max 300 words)
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We identified three samples of ROSAT sources with Sloan Digital Sky Survey spectra, one at redshift $z = 0.1$, a second one at $z = 0.2$ and a third one at $z = 0.3$. 822 sources in total were examined. We determined the nature and spectral sub-types of the sources by visual inspection. The fraction of each sub-type at each of the three redshifts are then calculated. We consider selection biases caused by the luminosity cut-off threshold to determine whether any systematic trends in AGN type are evident with increasing redshift. We hence probe if an evolution effect is detected in our sample.

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