# X-ray/UV observation of 1H0419-577



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### 1H0419-577: a peculiar Seyfert 1



## **The X-ray variability**



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Absorption based models (e.g. Pounds 2004, Turner 2009)

## **The X-ray variability**



## An X-ray/UV campaign



## An X-ray/UV campaign



time



XMM-Newton 167 ks



**Simultaneous** 



HST/COS 19 ks











## Fitting the variability:



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#### The obscuration explains almost all the variability.

## An X-ray UV campaign



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## An X-ray UV campaign













First example of a galactic scale X-ray absorber.













→UV and X-ray emitters are adjacent layers of the gas.





### Summary

 Present and past X-ray observation are well fitted by Comptonization plus neutral obscuration.

• Line emitting region stratified in ionization.

• Galactic scale outflow: first X-ray absorber detected so far away from the nucleus.