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## **PS3-01 On X-Ray Channeling in a Vibrating Capillary**

*Thursday, 9 October 2014 17:00 (1h 30m)*

A novel study about different types of polycapillary optics utilization is presented. The scope of this study is to achieve efficient radiation collimation that avoids total external reflection into the capillary channel. For this purpose a vibration is induced to emulate a “virtual roughness” on the channel surface.

The transmission properties of the system is studied at different vibrational states and temperatures.

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