



Experiment Proposal

Experiment number GP2022014

Principal investigator (*) Professor Francesco Mantegazza, Universita&039; Milano-Bicocca, ITALY Co-investigator

Co-Investigator			
Co-investigator			
Experiment title	NIMSF Non Invasive Morphological Surface Analysis		
SRF Instrument	Atomic Force Microscopes	Days requested: 5	
Access Route	Rapid Access	Previous GP Number: -	
Science Areas	Materials	DOI: -	
Sponsored Grant	None	Sponsor: -	
Grant Title	-	Grant Number: -	
Start Date	-	Finish Date: -	
Similar Submission?	-		
Industrial Links	-		
Non-Technical Abstract	Milano-Bicocca and the company Indu non invasive morphological surface resolution. The produced quartz sar production of sensor of movement an characteristic of the surface morpholog (Roughness average), Rq (Root mean s (Maximum profile valley depth), Rp (profile peak height), Rmax (Meaximum Force Microscopy in the imaging mo	dustrial/scientific collaboration between the University of stria Elettronica Varese. Object of the collaboration is the e characterization of quartz sample with nanometric mples need to be characterized in order to the final d it is important to have a preliminary verification of the gy with particular interest to the following parameters. Ra square roughness), Rt (Maximum height of the profile), Rv Maximum profile peak height), Rpm (Average maximum m roughness depth). The sample are analyzed by Atomic ode over about one hundred of different points of the amples analysis are of the order of several tenth every	

Publications

Instruments Access Route Science Areas Sponsored Grant Grant Title Start Date Similar Submission? Industrial Links Days Requested: Previous RB Number: DOI: Sponsor: Grant Number: Finish Date:







Sample record sheet

Principal contactProfessor Francesco Mantegazza, Universita&039; Milano-Bicocca, ITALYSRF InstrumentAtomic Force MicroscopesDays Requested: 5Special requirements:

SAMPLE

Material	quartz plates	-	-
Formula	SiO2	-	-
Forms	Solid		
Volume	5 сс		
Weight	1000 mg		
Container or substrate	-	-	-
Storage Requirements	-	-	-

SAMPLE ENVIROMENT

Temperature Range	- K	-	-
Pressure Range	- mbar	-	-
Magnetic field range	- T	-	-
Standard equipment	-	-	-
Special equipment	-	-	-

SAFETY

Prep lab needed	Yes	-	-
Sample Prep Hazards	-	-	-
Special equip. reqs	-	-	-
Sensitivity to air	No	-	-
Sensitivity to vapour	No	-	-
Experiment Hazards	-	-	-
Equipment Hazards	-	-	-
Biological hazards	-	-	-
Radioactive Hazards	-	-	-
Additional Hazards	-	-	-
Additional Details	-	-	-
Sample will be	Returned to user by instrument scientist (when inactive)	t -	-

