



PhD in Earth System and Global Changes

DIPARTIMENTO DI
FISICA E GEOLOGIA



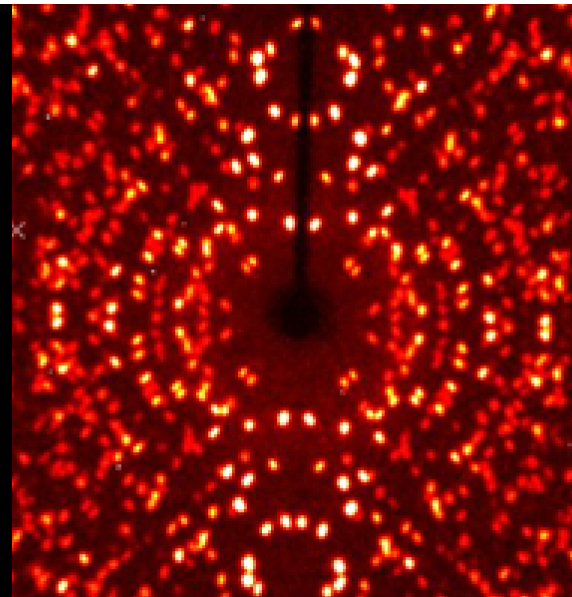
UNIVERSITÀ DEGLI STUDI
DI PERUGIA

Seminar Cycle 2021

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Diffraction, a basic method in Geosciences



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17:00

Diffraction (X-Ray, Neutron and Electron Diffraction) is a method present for over hundred years in science. It made a fundamental impact on our understanding of the constitution of solids. In Geosciences, it established the present knowledge of minerals, the basic constituents of our and other planets, on the atomic level. This century brought instrumental and methodological improvements in various techniques of diffraction that tremendously changed their applicability in investigating natural solid materials. In my seminar, I shall give an overview of some of the most important new possibilities with examples of application.



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