



A Pressure-Induced Incommensurate Phase in Ammonium Hydrogen Oxalate Hemihydrate

Submitted by Jean-Luc Godet on Thu, 09/17/2015 - 16:55

Titre	A Pressure-Induced Incommensurate Phase in Ammonium Hydrogen Oxalate Hemihydrate
Type de publication	Article de revue
Auteur	Krauzman, M. [1], Godet, Jean-Luc [2], Pick, R.M. [3], Poulet, H. [4], Toupry, N. [5], Bosio, L [6], Debeau, M [7], Launois, P [8], Moussa, F [9]
Pays	France
Editeur	Les Ed.de physique
Ville	Les Ulis
Type	Article scientifique dans une revue à comité de lecture
Année	1988
Langue	Anglais
Date	Jan-05-1988
Numéro	1
Pagination	37
Volume	6
Titre de la revue	Europhysics Letters
ISSN	0295-5075
Mots-clés	neutron determination of structures - solid-solid transitions - Infrared and Raman spectra and scattering [10]
Résumé en anglais	We report evidence for the existence of a new incommensurate phase in a crystal of ammonium hydrogen oxalate hemihydrate. This phase is remarkable in two aspects: it exists only above a critical pressure P_c , and the incommensurate wave vector, which is parallel to the vector c^* of the reciprocal lattice, has the largest variation ever reported, varying continuously from $0.147c^*$ at 4.3 kbar to $\sim 0.25c^*$ at the maximum pressure (8 kbar) used to date.
URL de la notice	http://okina.univ-angers.fr/publications/ua13907 [11]
DOI	10.1209/0295-5075/6/1/007 [12]
Lien vers le document	http://iopscience.iop.org/article/10.1209/0295-5075/6/1/007/pdf [13]
Titre abrégé	Europhys. Lett.
Autre titre	EPL

Liens

[1] [http://okina.univ-angers.fr/publications?f\[author\]=23854](http://okina.univ-angers.fr/publications?f[author]=23854)

[2] <http://okina.univ-angers.fr/jl.godet/publications>

[3] [http://okina.univ-angers.fr/publications?f\[author\]=23856](http://okina.univ-angers.fr/publications?f[author]=23856)

- [4] [http://okina.univ-angers.fr/publications?f\[author\]=23857](http://okina.univ-angers.fr/publications?f[author]=23857)
- [5] [http://okina.univ-angers.fr/publications?f\[author\]=23858](http://okina.univ-angers.fr/publications?f[author]=23858)
- [6] [http://okina.univ-angers.fr/publications?f\[author\]=23865](http://okina.univ-angers.fr/publications?f[author]=23865)
- [7] [http://okina.univ-angers.fr/publications?f\[author\]=23866](http://okina.univ-angers.fr/publications?f[author]=23866)
- [8] [http://okina.univ-angers.fr/publications?f\[author\]=23867](http://okina.univ-angers.fr/publications?f[author]=23867)
- [9] [http://okina.univ-angers.fr/publications?f\[author\]=23868](http://okina.univ-angers.fr/publications?f[author]=23868)
- [10] [http://okina.univ-angers.fr/publications?f\[keyword\]=20245](http://okina.univ-angers.fr/publications?f[keyword]=20245)
- [11] <http://okina.univ-angers.fr/publications/ua13907>
- [12] <http://dx.doi.org/10.1209/0295-5075/6/1/007>
- [13] <http://iopscience.iop.org/article/10.1209/0295-5075/6/1/007/pdf>

Publié sur *Okina* (<http://okina.univ-angers.fr>)