Bainvegni tar il decurs da l'onn da la cristallografia

Suenter ina perscrutaziun da trenta onns han ins dacurt formulà definitivamain la relaziun tranter la configuraziun, la creschientscha e la morfologia en il cristal da COANP da la SPFT/UniBe ch'è polar ed opticamain betg linear. La direcziun optimistica da la frizza da COANP simbolisescha che la cristallografia prenda per mauns er il nov tschientaner plain entusiassem e fidanza en sai.

RSC Adv., **2013**, 3, 25145–25150

International Year of Crystallography — **January 2014**

WK	M	T	W	T	F	S	S
01	30	31	1	2	3	4	5
02	6	7	8	9	10	11	12
03	13	14	15	16	17	18	19
04	20	21	22	23	24	25	26
05	27	28	29	30	31	1	2

link 06. 01. Abstract deadline for MSE, Risø, Denmark, 01.-05.09.14

link 10. 01. Abstract deadline for NIBB 2014, Grenoble, France, 19.-21.02.14

link 15. 01. Proposal deadline for ESRF

link 15. 01. Proposal deadline for ILL

link 16. 01. Abstract deadline for E-MRS 2014, Lille, France

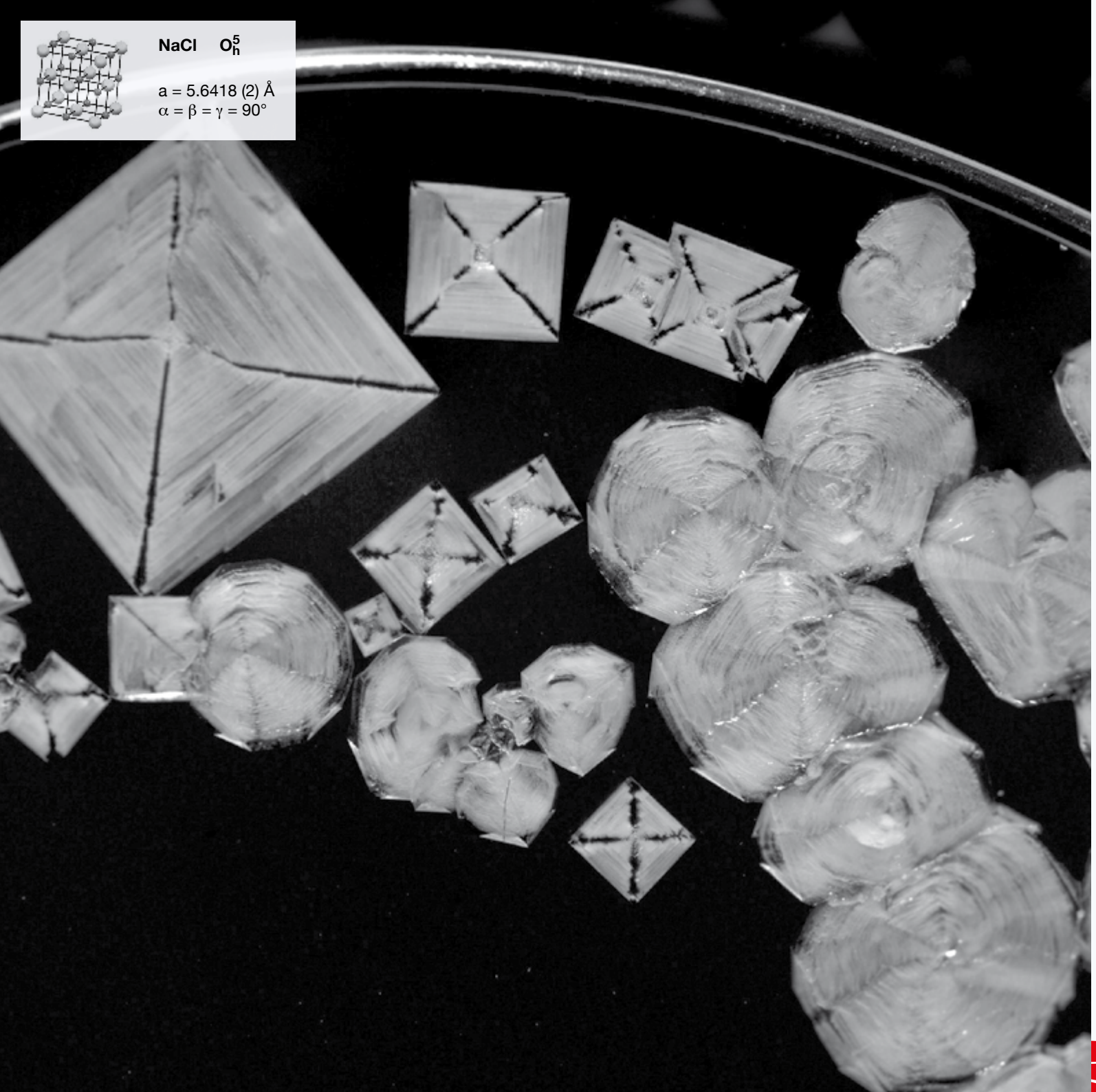
link 20.-21. 01 Opening ceremony Iycr2014, Paris, France

link 31. 01. Submission deadline for Logo ECM-30 Basel

link 01.02. Abstract Deadline for Hot Topics in Crystallography in Šibenik, Croatia, 10.-15.05.14

note!

ECM 2016 Basel
- 28. August - 1. September



Cristallisaziun 400km sur la terra

Il sgol en grondas autezzas che ha cumenzà il schaner cuntinuescha ed ans maina al bord da l'ISS, nua ch'ins ha realisà dacurt provas da cristallisaziun vi d'in halit. En il «stadi senza pais» (~1.10^{-5} ms^{-2}) èn creschids monocristals da NaCl da fin otg mm en in film da soluziun. Sper las plattinas quadraticas creschidas sco skelets a furma da tavlas {100} han ins chattà era la morfologia atipica {111} orientada a rudellas. Quellas pon ins caracterisar al PSI cun agid da la flexiun da neutrons.

Journal of Crystal Growth, **2011**, 324, 207-211.

International Year of Crystallography — **February 2014**

WK	M	T	W	T	F	S	S
01	27	28	29	30	31	1	2
02	3	4	5	6	7	8	9
03	10	11	12	13	14	15	16
04	17	18	19	20	21	22	23
05	24	25	26	27	28	1	2

link 06. 02. Ausgabe Briefmarken zum Jahr der Kristallographie im Philatelie Shop, Ausgabe 06.02. und 06.03.

link 09.-13. 02. AXAA, Workshops, Conference & Exhibition, Perth, Australia

link 15. 02. Deadline SLS, SINQ

link 16.-21. 02. 8th Int. Symposium on Hydrogen & Energy, Guangzhou, China

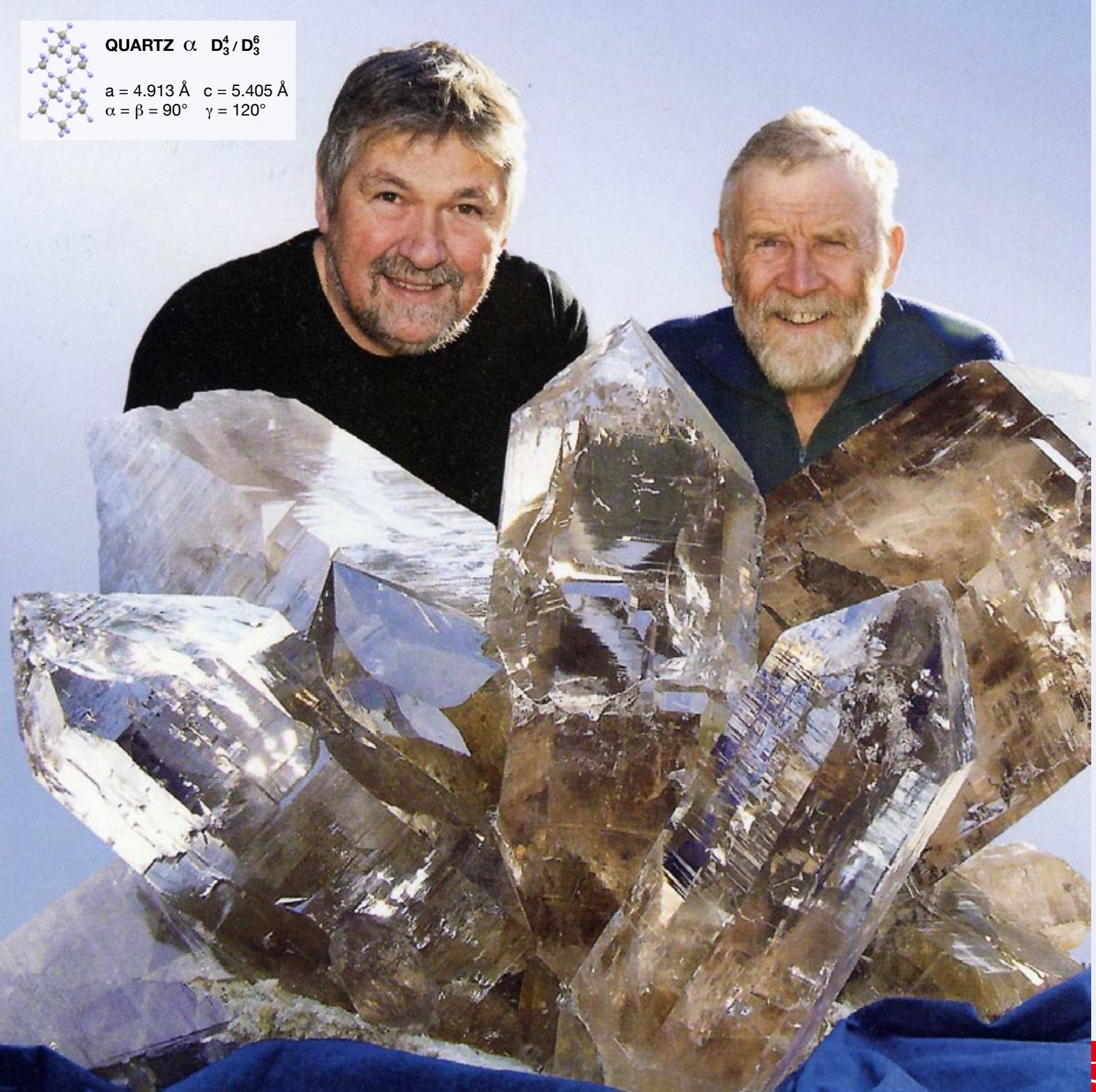
link 19.-21. 02. NIBB 2014 "Neutrons in Biology and Biotechnology", Grenoble, France

link 26. 02. Deadline SNS Spallation Neutron Source, Oak Ridge

link 01. 03. Deadline ESRF, SNBL

note!

ECM 2016 Basel
- 28. August - 1. September



QUARTZ α D_3^4 / D_3^6

a = 4.913 Å c = 5.405 Å
$\alpha = \beta = 90°$ $\gamma = 120°$

La metamorfosa dal cristal

Noss viadi ans maina tar ils vegls Hellens che han dà il num a nossa scienza. Las pitgas magnificas dal cristal han sveglià lur admiraziun ed interess. Forsa han els sin fundament da la purezza da quellas mess en relaziun il quarz cun l'aua. Quel è vegnì cumprimì entras la fradaglia (κρύος = fitg fraid) e la pressiun da las muntognas. Perquai han els numnà il cristal κρύσταλλος (= aua schelada). Oz pudain nus strusch imaginar in mund senza dioxid da silizium. Questa substanza na facilitescha betg mo massivamain nossa vita cun sensurs ed actuaturs, mabain ans permetta surtut era da mesirar endretg il temp dal svilup. Cun questa chaschun lain nus er engraziar als chavacristals svizzers ch'els vivifitgeschan nossa olma cun adina novs chats.

ASCMF: www.ascmf.ch

International Year of Crystallography						March 2014	
09	24	25	26	27	28	1	2
10	3	4	5	6	7	8	9
11	10	11	12	13	14	15	16
12	17	18	19	20	21	22	23
13	24	25	26	27	28	29	30
14	31	1	2	3	4	5	6

link 06. 03. Ausgabe Briefmarken zum Jahr der Kristallographie im Philatelie Shop, Ausgabe 06.02. und 06.03.

link 10. 03. Deadline 2014 American Conference on Neutron Scattering (ACNS), Knoxville, USA

link 15. 03. Deadline 14th European Powder Diffraction Conference (EPDIC-14)

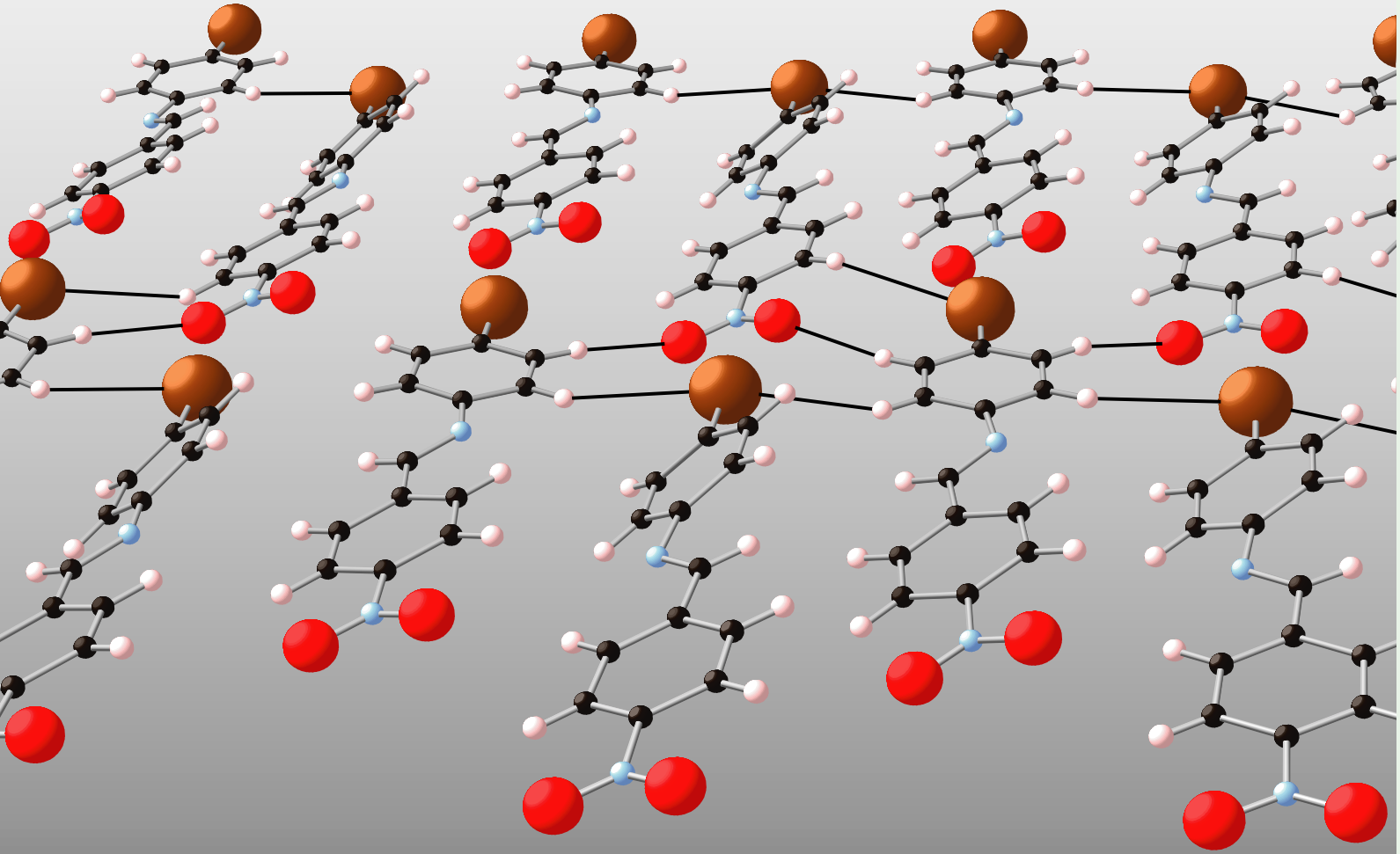
link 17. - 20. 03. Annual Conference of the German Crystallographic Society, Berlin, Deutschland

note!

BNBA **A2 (α 0 γ) 0**

a = 10.5217(10) Å, b = 16.2535(16) Å,
c = 7.4403(7) Å, β = 110.709(7)°

q = 0.0658(1)a* - 0.2658(1)c*



La luna da la natira

Las lunas da l'avrigl fan endament a nus las structuras incummensurablas che la Scola Politecnica Federala Losanna examinescha. Pelvair èsi strusch pli simpel da chapir, pertge che moleculs s'arranschan ad ina structura da periodicitad incumpatibla che da chapir, pertge ch'i plova dumengia gia puspè. Las capriolas da l'aura sa spievlan sco disturbis irraziunals da structuras 3p en cristals, sco stgalas diabolicas u en la cumposiziun tardivanta da structuras OD. Da cundiziuns meteorologicas spezialas sa divertescha mamma terra en pli cun decorar il fenomen cun ina sparpagliada diffusa e furmas schumellinas. Nus preschentain qua ina structura modulada a moda incummensurabla ch'è vegnida definida da maletgs da flexiun d'in schumellin.

CrystEngComm (2013), 15, 2474-2481.

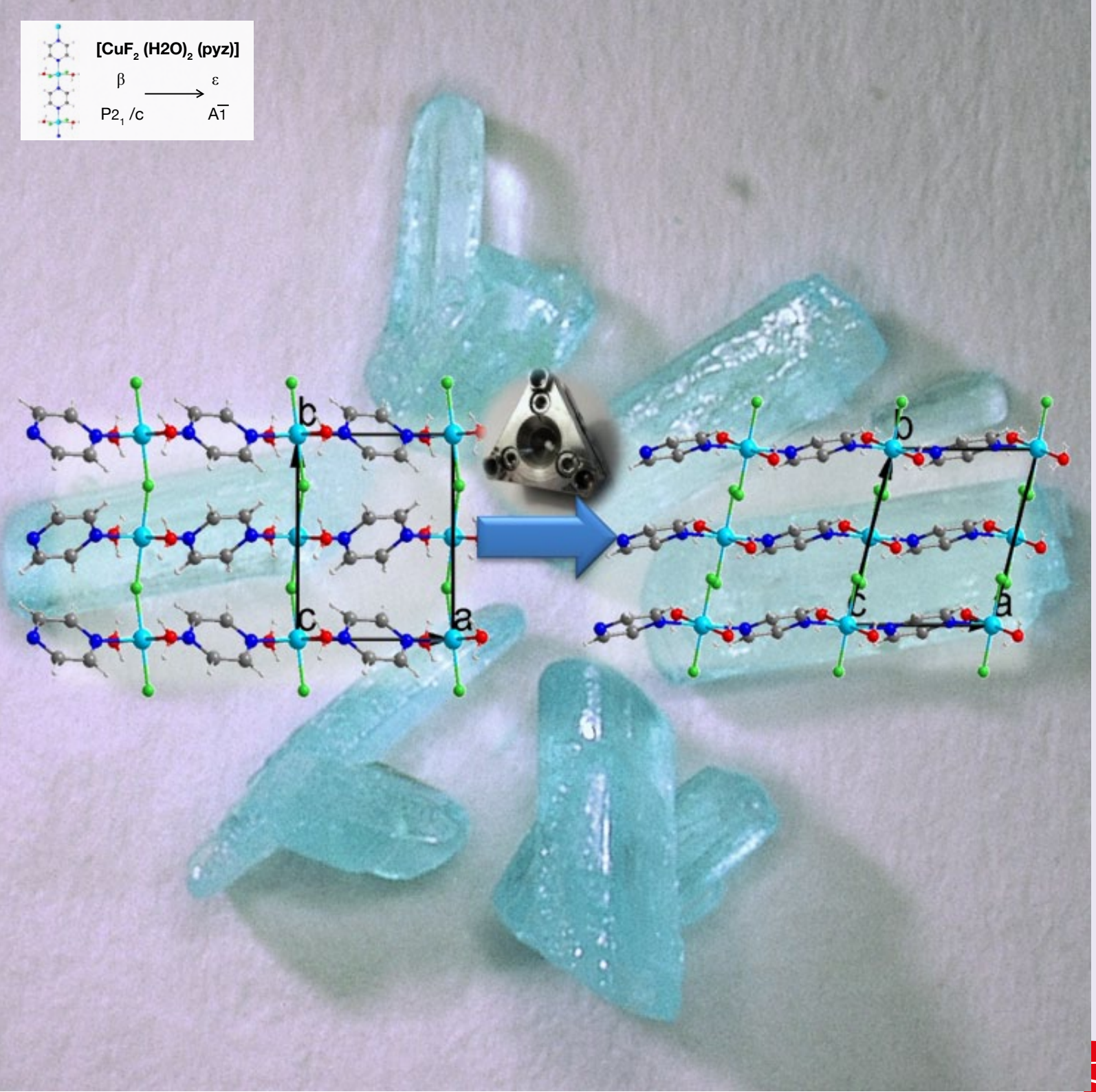
International Year of Crystallography						April 2014	
14	31	1	2	3	4	5	6
15	7	8	9	10	11	12	13
16	14	15	16	17	18	19	20
17	21	22	23	24	25	26	27
18	28	29	30	1	2	3	4

link 28. 03. International EXPO/SIR workshop, Bari, Italy

link 15. 04. Summer School on "Small Angle Neutron Scattering and Neutron Imaging", San Giovanni, Italy

note!

ECM 2016 Basel
- 28. August - 1. September



Enavos en la vita

Co duess ins resister a la forza dal sulegl e da la natira che sa sveglia il mais da matg? Renaschientscha, svilup e transfurmaziun en tut las direcziuns e dimensiuns: tut cumenza da nov durant questa stagiun. L'ordinaziun magnetica che sa furma sut las cundiziuns barotropas che l'UniBe preschenta, illustrescha a moda grondiusa il return da la forza dals bels dis.

Ref: http://mom.dcb.unibe.ch/mom_pages/mom_2014-03.html

International Year of Crystallography — **May 2014**

WK	M	T	W	T	F	S	S
18	28	29	30	1	2	3	4
19	5	6	7	8	9	10	11
20	12	13	14	15	16	17	18
21	19	20	21	22	23	24	25
22	26	27	28	29	30	31	1

link 01. 05. Early bird registration deadline IUCr, Montreal, Canada

link 02. 05. Deadline FRM II: Heinz Maier-Leibnitz

link 10.-15. 05. Workshop "Hot Topics in Contemporary Crystallography", Šibenik, Croatia

link 15. 05. Deadline SINQ: Swiss Spallation Neutron Source

link 26.-27. 05. Conference CEA on Magnetic Diffraction, Paris, France

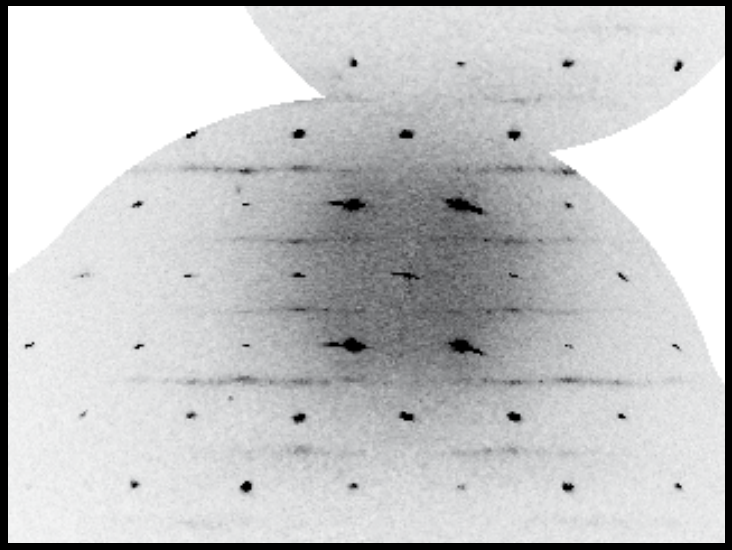
link 26.-30. 05. E-MRS 2014 Spring Meeting on "Crystal growth in Materials Science"

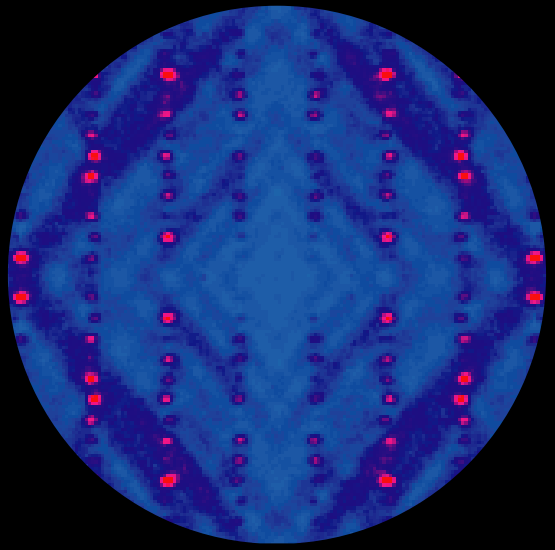
note!

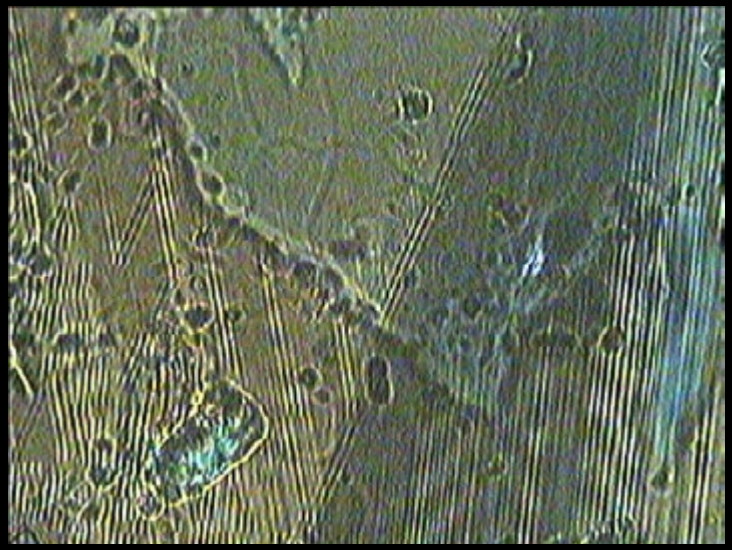
ECM 2016 Basel
- 28. August - 1. September

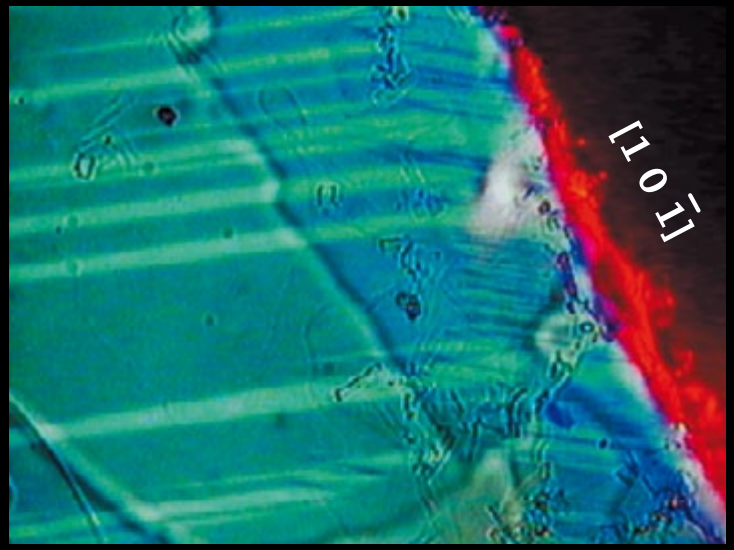
$C_6 H_{12} N_4 . C_9 H_{16} O_4$ Bmmb

a=9.4157(19) b=26.1242 c=7.2034(14) Å









Nova structuraziun il zercladur

Il zercladur preparan midadas nizzaivlas differentamain il terren per la proxima racolta. Ils pli pitschens e pli minusculs organissems sa participeschan a quests process misterius e cumplexs fin ch'il pur disturba en dus onns puspè l'equiliber sensibel cun ses arader e sia maschina da semnar. Quest ciclus tradiziunal e dà da Dieu vegn illustrà a moda grondiusa da l'urotropinazelat intercurì a l'EPFL. A sia (010) surfatscha sa furman numnadamain chavas e chanals (chaschunadas tras il pruir da dissolvent) che annunzian gia las proximas transfurmaziuns cumplitgadas da fasas termotropas e barotropas che vegnan a destruir plaunsieu il cristal.

REF : Acta Crystallogr. (2003), B59, 72-86.

International Year of Crystallography — **June 2014**

WK	M	T	W	T	F	S	S
22	26	27	28	29	30	31	1
23	2	3	4	5	6	7	8
24	9	10	11	12	13	14	15
25	16	17	18	19	20	21	22
26	23	24	25	26	27	28	29
27	30	1	2	3	4	5	6

link 01. 06. Deadline for PSI Powder Diffraction Summer School, Villigen, Schweiz

link 01.-05. 06. ACNS, 2014 American Conference on Neutron Scattering, Knoxville, USA

link 08.-13. 06. School on Small Angle Neutron Scattering and Neutron Imaging, S. Giovanni, Italy

link 10.-13. 06. Int. EXPO/SIR workshop, Bari, Italy

link 15.-18. 06. EPDIC-14, 14th European Powder Diffraction Conference, Aarhus, Denmark

link 15. 06. Deadline SLS, Protein crystallography beamlines (PX)

link 16. 06. Deadline for Europ. Crystallography School, Pavia, Italy

note!

ECM 2016 Basel
- 28. August - 1. September

KH_2PO_4 *(KDP)* D_{2d}^{12}

a = b = 7.458(2) c = 6.959(2) Å $\alpha=\beta=\gamma=90°$

Kids

1

2

3

4

Juniors

1

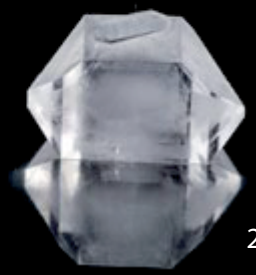
2

3

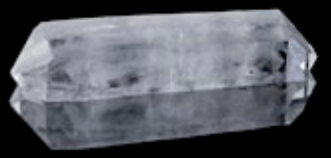
4

Seniors

1



2



3

4

Ils descendents plain speranza

Tge datti pli renconuschaivel che d'investir ses temp e sia forza en ses ers e da vesair co che la racolta futura prosperescha? Quest fanadur onurain nus las novas annadas da las scolaras e dals scolars primars e secundars che han cumpareglià lur forza creativa e lur talent cun allevar cristals. Nus mussain las lavurs premiadas en il rom da la concurrenza "Davart il meglier cristal" organisada dal Chimiscope, dal PhysiScope e dal Lavuratori da cristallografia da l'Universitad da Genevra cun sustegn da la Societad svizra per la cristallografia.

REF : http://www.chimiscope.ch/photos/photos-concours-2014/

Fotografias: cun la permissiun gentila da signur Lionel Windels.

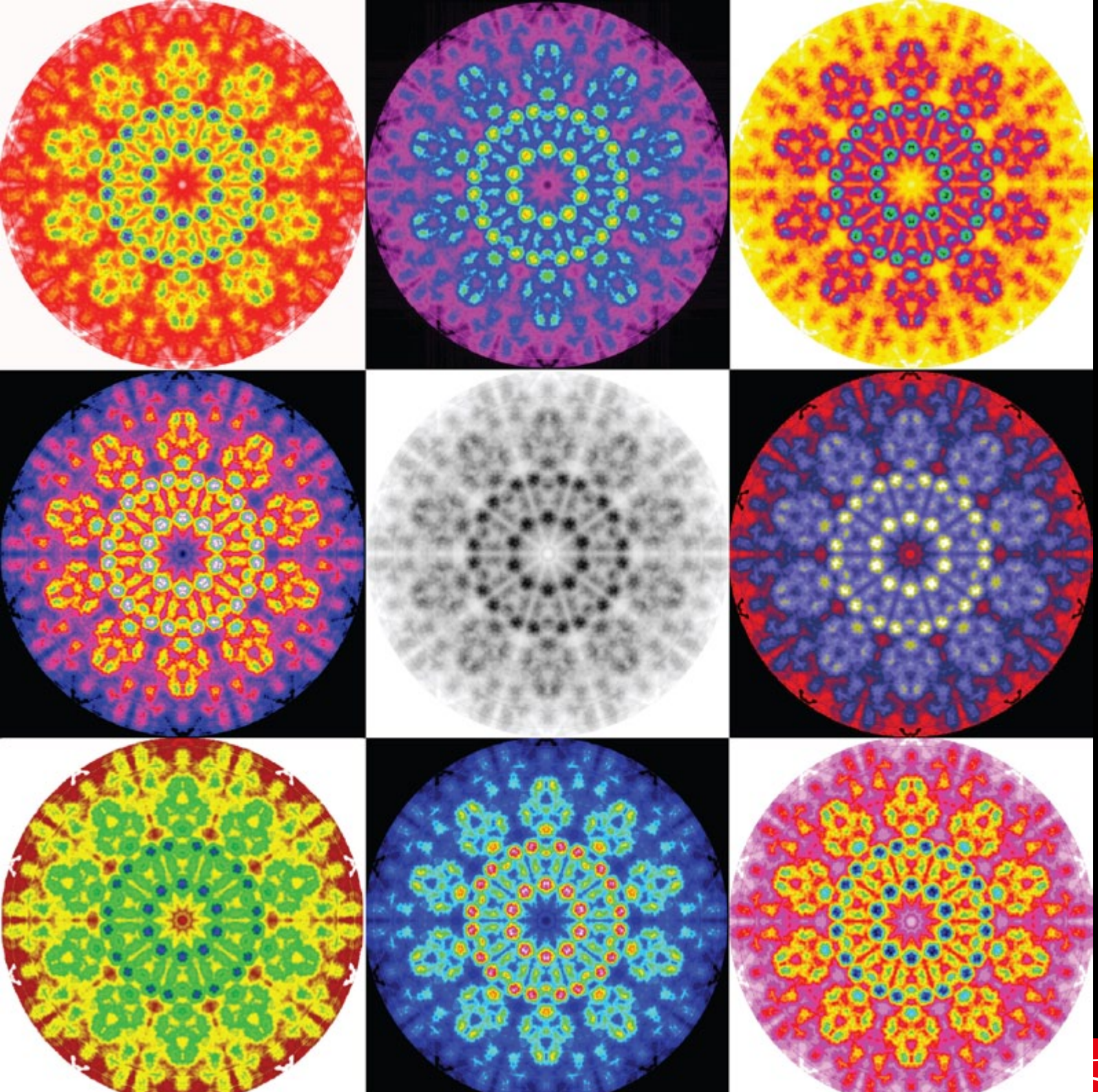
International Year of Crystallography — July 2014

WK	M	T	W	T	F	S	S
27	30	1	2	3	4	5	6
28	7	8	9	10	11	12	13
29	14	15	16	17	18	19	20
30	21	22	23	24	25	26	27
31	28	29	30	31	1	2	3

link	01.-04. 07.	PSI Powder Diffraction Summer School, Villigen, Schweiz
link	07.-14. 07.	6ème Ecole Thématique de Cristallographie, Pont à Mousson, France
link	31. 07.	Deadline for 2014 Annual Meeting of the SGK / SSCr , Dübendorf, Schweiz

note!!

ECM 2016 Basel
28. August - 1. September



Urden e dischurden cun colurs magnificas

La bellezza ornamentala dals maletgs da flexiun dal quasicristal decagonal Al-Cu-Co para d'esser sfunsada en la glisch da l'avust, il mais da stad chaud. A maun da quai han ins pudì illuminar a la Scola politecnica federala Turitg il dischurden en la superstructura dubla dad Al_{65} Cu_{20} Co_{15} cun agid da la funcziun da distribuziun a pèr tridimensiunala Δ.

http://scripts.iucr.org/cgi-bin/paper S0021889810044742

International Year of Crystallography **August 2014**

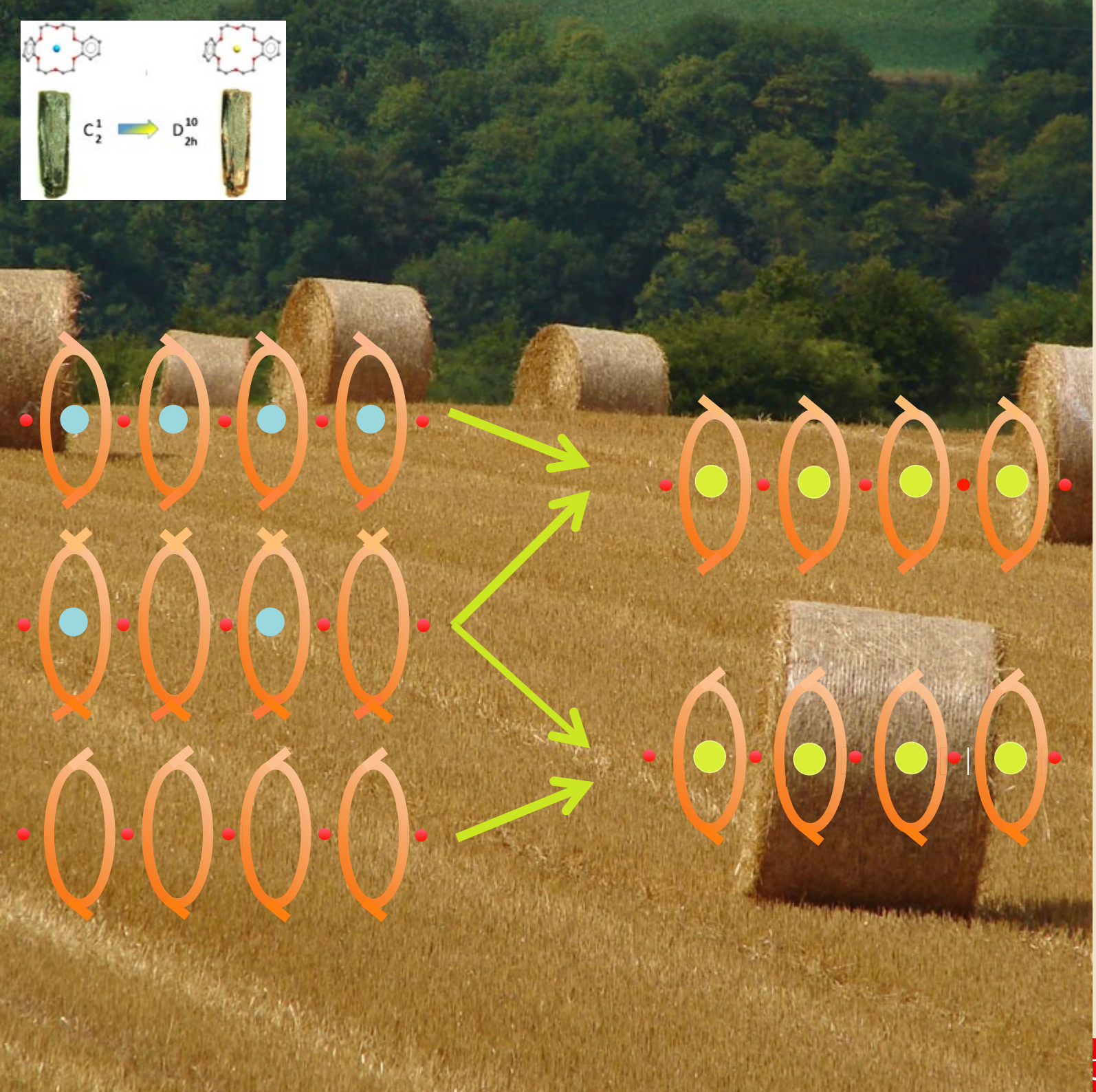
WK	M	T	W	T	F	S	S
31	28	29	30	31	1	2	3
32	4	5	6	7	8	9	10
33	11	12	13	14	15	16	17
34	18	19	20	21	22	23	24
34	25	26	27	28	29	30	31

link 05.-12. 08. IUCr-2014, 23rd General Assembly and Congress of IUCr, Montreal, Canada

link 28.-06. 09. 1st European Crystallography School 2014, Pavia, Italy

note!

ECM 2016 Basel
- 28. August - 1. September



La segunda vita da la stubla da strom

Il settember e la fin da la racolta laschan enavos ils ers cuverts cun stubla. Las structuras en furma da bavrola che enritgeschan il terren cun ions nutritivs impurtants regordan als chanals en ils cristals da l'Universitad da Friburg. A ses cristallografs èsi numnadamain reussì da barattar cations alcalics en chanals da cumbinaziuns supramolecularas senza destruir ils cristals.

REF : Angew. Chem. Int. Ed. **(2013)**, 52, 1-5.

International Year of Crystallography September 2014

WK	M	T	W	T	F	S	S
36	1	2	3	4	5	6	7
37	8	9	10	11	12	13	14
38	15	16	17	18	19	20	21
39	22	23	24	25	26	27	28
40	29	30	1	2	3	4	5

link 01.-05. 09. 35th Risø International Symposium on Materials Science, Roskilde, Denmark

link 08. 09. Annual Meeting SGK/SSCr, Dübendorf, Schweiz

link 14.-20. 09. 15th Intern. Conference on the Crystallisation of Biological Macromolecules, Hamburg, Germany

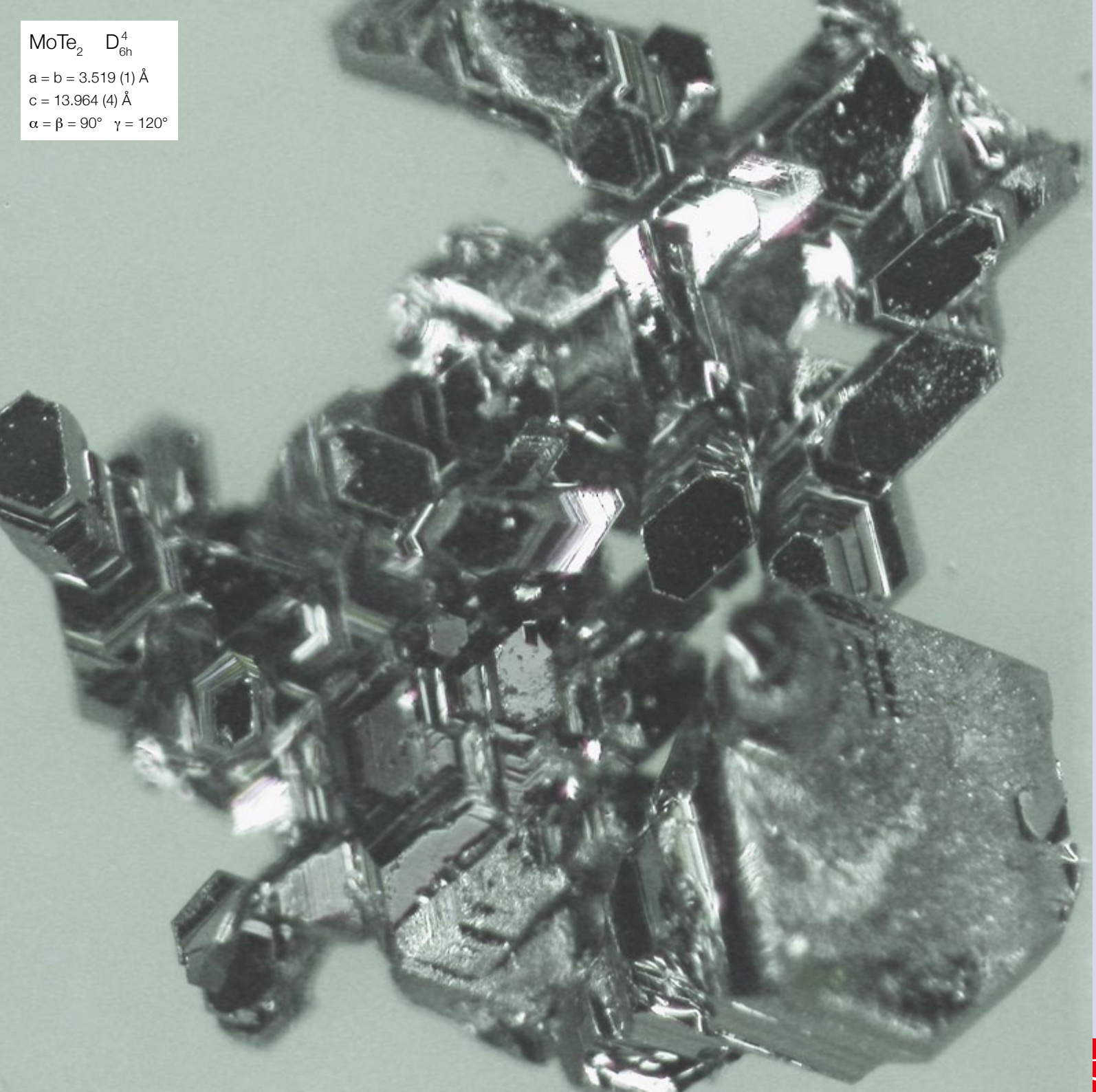
link 21.-23. 09. Deutsche Tagung für Forschung mit Synchrotronstrahlung, Bonn, Germany

link 21.-24. 09. 92nd Annual Meeting: Deutsche Mineralogische Gesellschaft, Jena, Germany

link 21.-26. 09. JDN22 - School „Crystallography And Neutrons", Ile d'Oléron, France

link 23.-25. 09. MSE 2014, Materials Science and Engineering, Darmstadt, Germany

ECM 2016 Basel
- 28. August - 1. September



Gudogn d'infurmaziuns feglia per feglia il november

Ils vels da tschajera la damaun e la rugada d'atun striunan la natira e la dattan ina glischur metallic-splenduranta. Ad ina gruppa da l'Universitad da Genevra èsi reussì d'allevar, sco ina copia da la condensaziun da la tschajera da november e da la feglia che croda e zoppa la terra, bellischems cristals hexagonals dal semiconductur $MoTe_2$. E quai a maun d'in transport en ina vapur da molybdenpentachlorid. La structura da stresas dal cristal è fitg sfendibla e po crear mesiraziuns atomaras.

REF : Cryst. Growth Des. 2013, **13**, 4453–4459.

International Year of Crystallography **November 2014**

WK	M	T	W	T	F	S	S
40	27	28	29	30	31	1	2
41	3	4	5	6	7	8	9
42	10	11	12	13	14	15	16
43	17	18	19	20	21	22	23
44	24	25	26	27	28	29	30

link 15. 11. Deadline for submission of proposals to SINQ: Swiss Spallation Neutron

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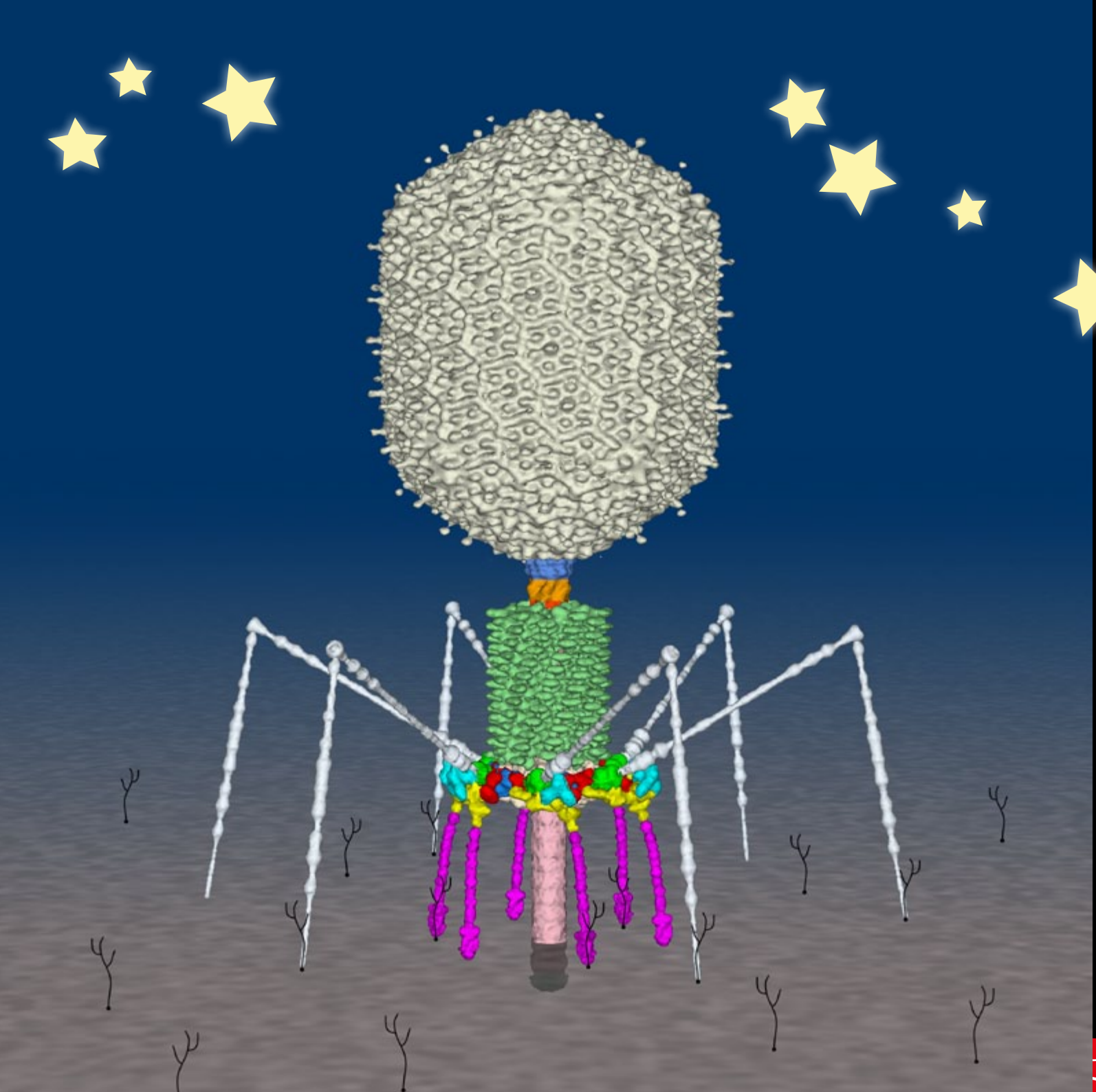

Enconuschientschas emergentas per vistas stupentas

L'interdisciplinaritad è ina fermezza da la cristallografia. Quai mussa ella il december en armonia cun la microscopia d'electrons e simulaziuns al computer a maun da l'exempel da l'examinaziun d'ina midada structurala d'in bacteriofag. Cun sa colliar cun ina cella daventa sia platta da basa ina staila che duai manar nus en l'onn 2015, era sche quel na vegn betg pli ad esser l'onn da la cristallografia. Damai dain nus adia a Vus ed As giavischain vistas stupentas per numerusas enconuschientschas grazia ad infurmaziuns structuralas.

International Innovations (issue 142, June 2014)

International Year of Crystallography **December 2014**

WK	M	T	W	T	F	S	S
49	1	2	3	4	5	6	7
50	8	9	10	11	12	13	14
51	15	16	17	18	19	20	21
52	22	23	24	25	26	27	28
53	29	30	31	1	2	3	4

link 01. 12. 14 Call for papers and registration opening for ECM-29, Rovinj, Croatia

link 16. 01. 15 Deadline for registration to Zurich School of Crystallography

ECM 2016 Basel
- 28. August - 1. September