



Linking full text to the research output – The ultimate quality assurance?

Matthew Mascord

Outline of Talk

1. Introduction
2. Structure of the CRIS
3. How links are made to full text
4. Demo

1. Introduction

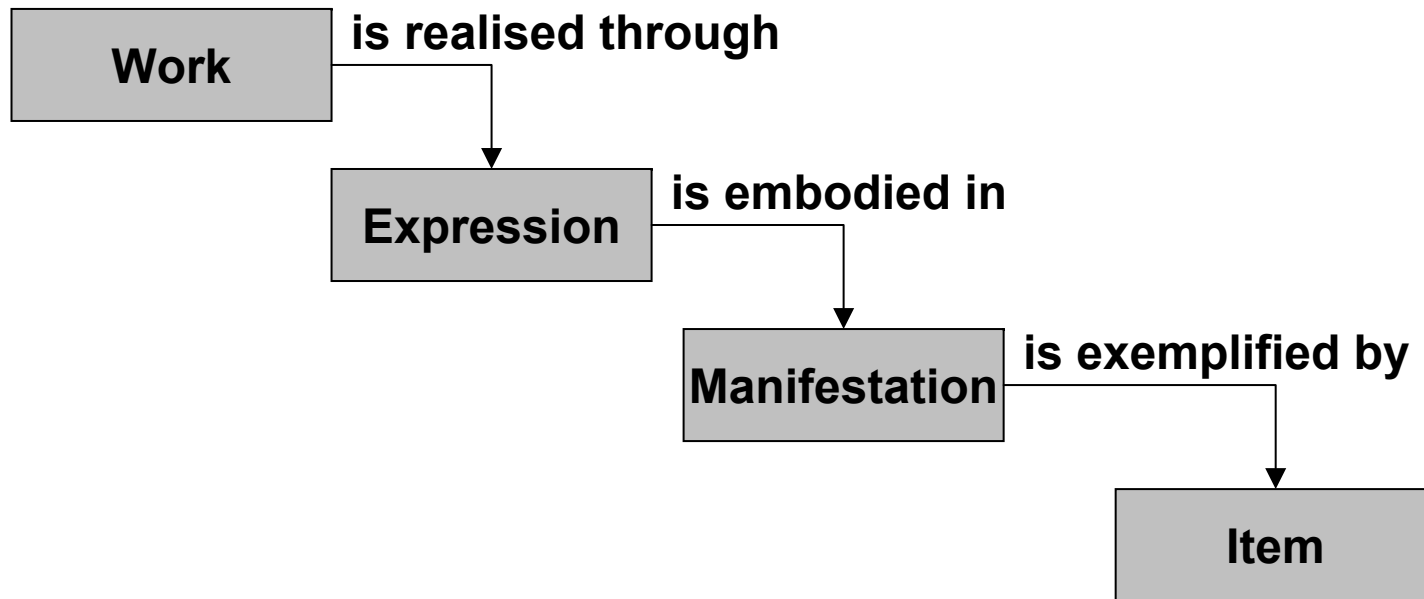
- UK research council
- Large-scale research facilities
- Widens knowledge through research
- Disseminates knowledge to the public
- CRIS set up to measure & monitor publication output

2. Structure of the CRIS

- CRIS based on publications only
- Relational schema
- 2 layer architecture
- Maps onto multiple formats
- Based on Dublin Core, FRBR, ONIX for Serials

2. Structure of the CRIS

- FRBR group 1 entities & primary relationships:



3. How links are made to full text

- Links are made at manifestation level
- Can store locally (file system)
- Can link with URN: Handle/DOI, URI, arXiv reference
- DOIs provide persistent identifier for Work
- CrossRef to clean up index & retrieve DOIs

4. Demo

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Exact matter covariant formulation of neutrino oscillation probabilities	P F Harrison (Queen Mary, U. of London), W G Scott (Rutherford), T J Weiler (Vanderbilt U.)	PPD, CCLRC	View , View , View , View , View	Phys Lett B 565 159-168 (2003), RAL-TR-2003-014 (2003), arXiv:hep-ph/0305175	2003
Oscillation physics with a neutrino factory	M Apollonio, A Blondel, A Broncano, M Bonesini, J Bouchez, A Bueno, et al (52)	PPD, CCLRC	View , View	CERN-TH-2002-208 (2002), arXiv:hep-ph/0210192	2002
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Measurement of the B _D lifetime and oscillation frequency using anti-B _D → D* ⁺ l ⁻ anti-neutrino decays	G Abbiendi, K Ackerstaff, C Ainsley, P F Akesson, G Alexander, J Allison, et al (296)	PPD, CCLRC, OPAL	View , View , View , View , View , View	CERN-EP-2000-90 (2000), CERN-EP-2000-090 (2000), Phys Lett B 493 266-280 (2000), arXiv:hep-ex/0010013	2000
The KARMEN limit on anti-ν _μ → anti-ν _e oscillation and its implication for the LSND result	T Jannakos, (KARMEN collaboration)	ISIS, CCLRC		Proc 6th Topical Seminar on Neutrino and Astroparticle Physics 1999 (in press 2000)	2000
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KARMEN: Neutrino Oscillation Limits and New Results with the upgrade	K Eitel, et al, (KARMEN collaboration)	ISIS, CCLRC	View	Nucl Phys B (Proc Suppl) 70 (Proc Suppl) 210 (1999)	1999

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Exact matter covariant formulation of neutrino oscillation probabilities

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Journal Articles

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Phys Lett B 565 159-168 (2003)	doi:10.1016/S0370-2693(03)00749-4	none

Miscellaneous Publications

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ePrint (Miscellaneous)	arXiv:hep-ph/0305175	2003	arXiv:hep-ph/0305175	none

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High Energy Physics - Phenomenology. abstract hep-ph/0305175

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Authors: [P.F. Harrison](#) (Queen Mary University of London), [W.G. Scott](#) (Queen Mary University of London), [T.J. Weiler](#) (Vanderbilt University)

Comments: 12 pages, incl. 1 figure
Report-no: RAL-TR-2003-014
Journal-ref: Phys.Lett. B565 (2003) 159-168


We write the probabilities for neutrino oscillations in uniform-convention-independent vacuum neutrino oscillation parameters, extending earlier results formulating neutrino oscillations in terms of matter effects.

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Exact matter-covariant formulation of neutrino oscillation probabilities

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Received 2 May 2003; accepted 14 May 2003; Editor: P. V. Landshoff Available online 3 June 2003.

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M Apollonio, A Blondel, A Broncano, M Bonesini, J Bouchez, A Bueno
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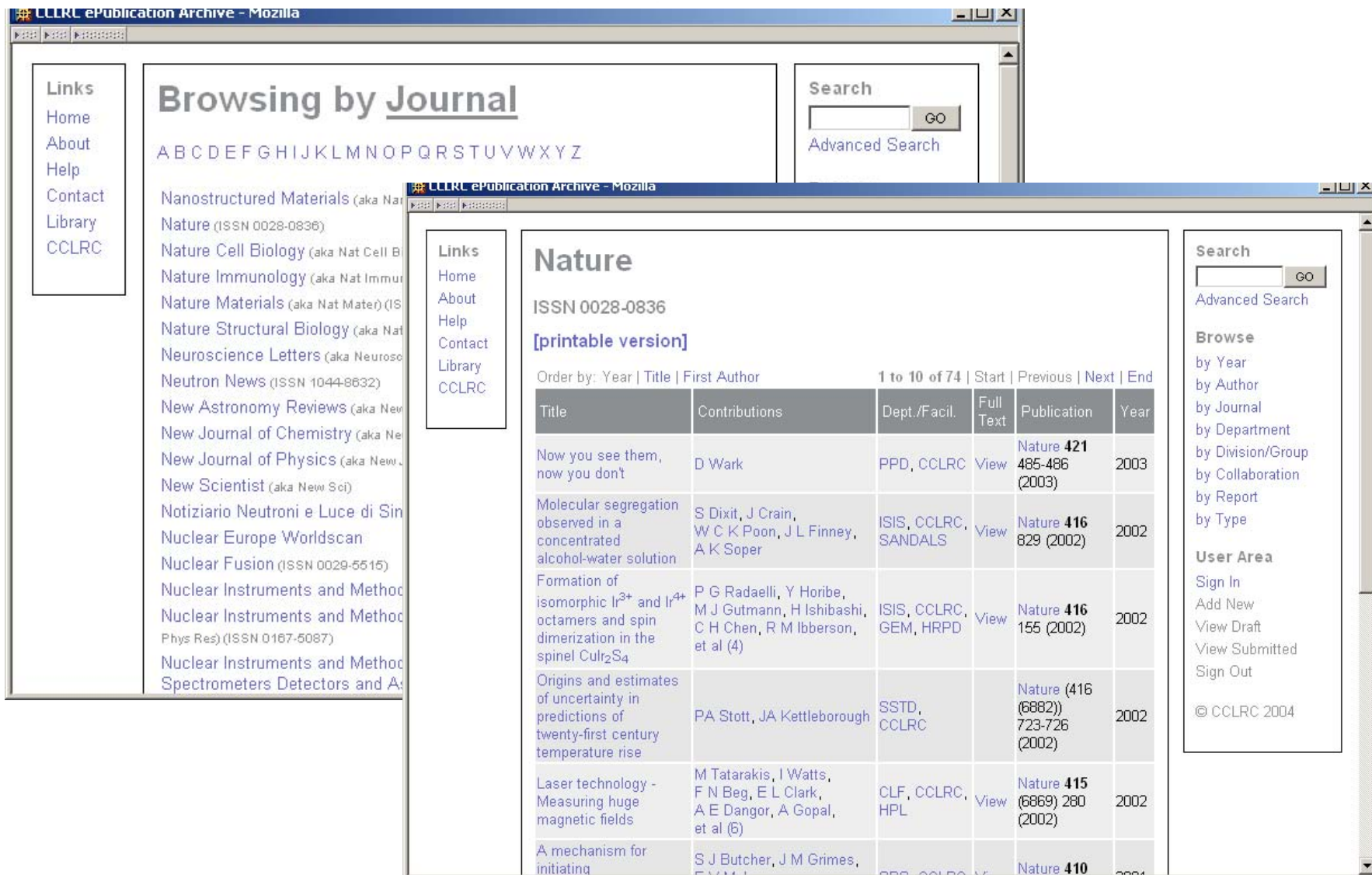
P F Harrison (Queen Mary, U. of London), D H Perkins (Oxford U.), W G Scott (Rutherford)
Tri-bimaximal mixing and the neutrino oscillation data
Physics Letters B **530** 167 (2002) [doi:10.1016/S0370-2693(02)01336-9], RAL-TR-2002-002 (2002), arXiv:hep-ph/0202074

G Abbiendi, K Ackerstaff, C Ainsley, P F Akesson, G Alexander, J Allison
Measurement of the B_0 lifetime and oscillation frequency using anti- $B_0 \rightarrow D^* + l^-$ anti-neutrino decays
CERN-EP-2000-90 (2000), CERN-EP-2000-090 (2000), Physics Letters B **493** 266-280 (2000) [doi:10.1016/S0370-2693(00)01145-X], arXiv:hep-ex/0010013

T Jannakos, (KARMEN collaboration)
The KARMEN limit on anti- $\nu_\mu \rightarrow$ anti- ν_e oscillation and its implication for the LSND result
Proc 6th Topical Seminar on Neutrino and Astroparticle Physics 1999 (in press 2000)

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K Eitel, et al, (KARMEN collaboration)
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Formation of isomorphous Ir^{3+} and Ir^{4+} octamers and spin dimerization in the spinel $CuIr_2S_4$	P G Radaelli, Y Horibe, M J Gutmann, H Ishibashi, C H Chen, R M Ibberson, et al (4)	ISIS, CCLRC, GEM, HRPD	View	Nature 416 155 (2002)	2002
Origins and estimates of uncertainty in predictions of twenty-first century temperature rise	PA Stott, JA Kettleborough	SSTD, CCLRC		Nature (416 (6882)) 723-726 (2002)	2002
Laser technology - Measuring huge magnetic fields	M Tatarakis, I Watts, F N Beg, E L Clark, A E Dangor, A Gopal, et al (6)	CLF, CCLRC, HPL	View	Nature 415 (6869) 280 (2002)	2002
A mechanism for initiating	S J Butcher, J M Grimes, et al (4)	ISIS, CCLRC	View	Nature 410 (6822) 100 (2002)	2002

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Structure of liquid lithium	P S Salmon, I Petri, P H K de Jong, P Verkerk, H E Fischer, W S Howells	ISIS, CCLRC, ILL	View	J Phys Condens Matter 16 195 (2004)	2004
Microstructural study of Joule heated nanocrystalline alloys using in situ neutron diffraction	P Gorria, L Fernandez Barquin, V M Prida, W S Howells	ISIS, CCLRC, GEM	View	J Magnetism Magnetic Mater 254-255 504 (2003)	2003
Polymer dynamics in 3PEG-LiClO ₄ -TiO ₂ nanocomposite polymer electrolytes	C Karlsson, A S Best, J Swenson, W S Howells, L Borjesson	ISIS, CCLRC, IRIS	View	J Chem Phys 118 4206 (2003)	2003
Dynamics of propylene glycol and its oligomers confined in clay	J Swenson, G A Schwartz, R Bergman, W S Howells	ISIS, CCLRC, IRIS	View	Eur Phys J E 12 179 (2003)	2003
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