

NSR Status Report

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NSR General Information

(October 20, 2009)

- > 466 Codens (Journals)
- >4,803 Nuclides
- >913 Particles
- >145 Subjects
- >6,690 Reactions
- >84,955 Authors
- > 197,195 Articles





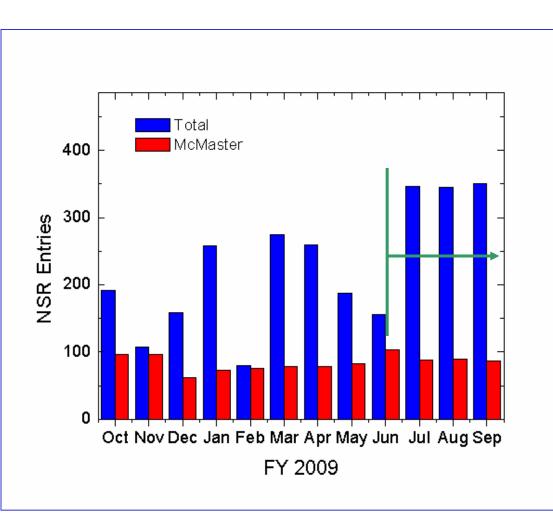
NSR Contributors

- NSR Team: B. Pritychenko, J. Totans, B. Singh, M. Kellett, E. Betak
- NNDC: Database Management
- NNDC: Customer Support Administration (Key)
- McMaster: PRC, JPG (Future)
- > IAEA: Nucl. Phys. A, Phys. Lett. B, EPJ
- Bratislava: Proceedings, Lab. Reports
- > NNDC: The rest of compilations





FY'09 NSR Status



- October-June: Questions to the NNDC, ENSDF management or my predecessor
- June: Assumed full responsibility, improved Web Interface
- July: Recognized problems with the proceedings, lab reports, keynumbers
- September: E. Betak worked on lab reports: 224 entries and produced 173 keywords
- FY09 IAEA: EPJ 134, PLB 63, Nucl.Phys.A – 242
- FY09 Total: 2715 entries, 1,588 keyworded





Secondary Refs & Keynumbers

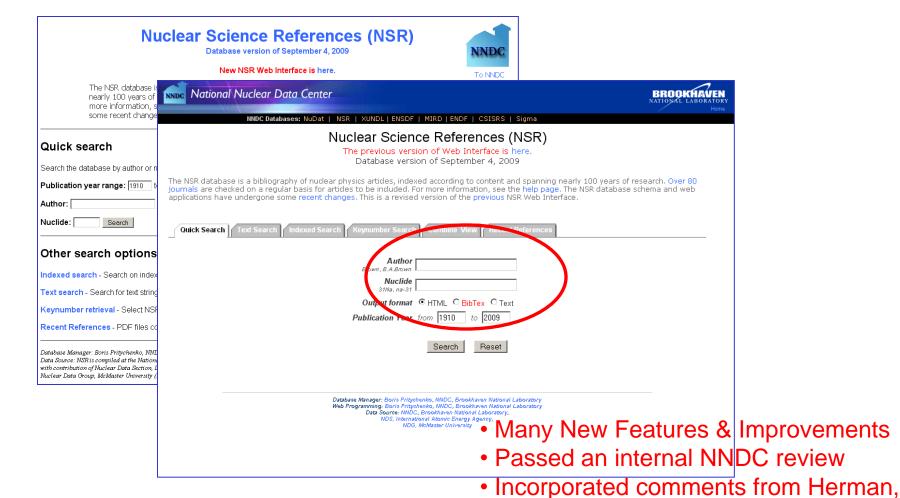
- Lab reports are included to NSR, Emil works on the proceedings (Emil contributes twice a month)
- No more problems with keynumbers however all have to contribute
- > To accelerate assignments:
 - Talk to NSR manager directly
 - Supply NSR manager with tentative keywords and the article
 - It will go in during the next NSR update





NSR Website Upgrade

(June 2009)

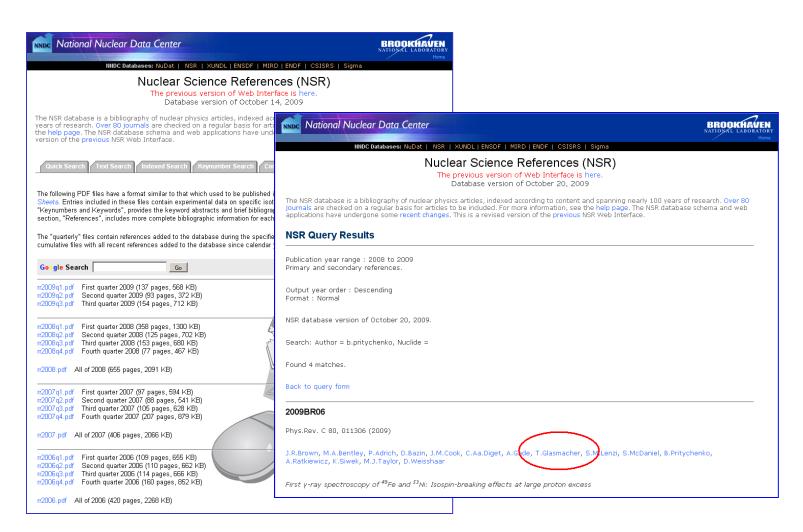




Tuli and Sonzogni

NSR Website Upgrade

(June 2009)







NSR Website Upgrade

- NSR Website was improved (June 2009)
- Database migration from Sybase to MySQL by August 1, 2009 sharp, more details in my talk on NNDC Web Services, \$80,000 1/y in savings
- Stored database procedures in NSR & ENSDF did not migrate properly
- Sybase version of NSR at IAEA:
- http://www-nds.iaea.org/nsr/index.jsp
- DOE BNL cyber security audit
- Few thousand files or vulnerabilities had to be addressed



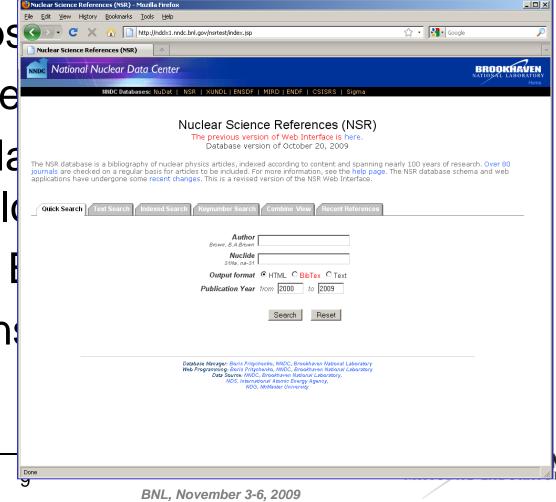


Work with D. Winchell

SQL scripts and old NSR/ENSDF database dumps Nuclear Science References (NSR) - Mozilla Firefox

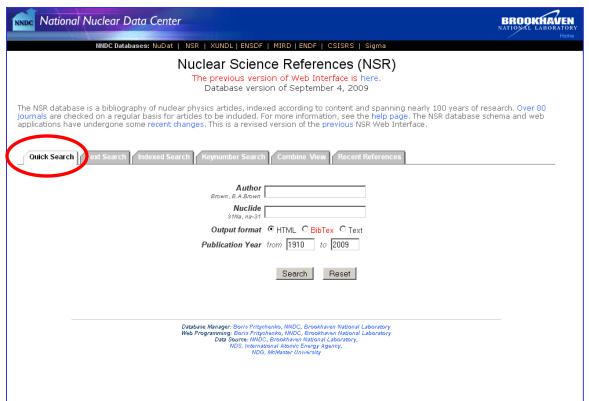
| Nuclear Science References (NSR) - Mozilla Firefox
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- Set all the prope
- Test of Dave's la NSR database lo
- Test of MySQL I
- Use of NetBeans





NSR Website Analysis



August 2009 Statistics:

Quick Search: 7,405

Text Search: 3,739

Indexed Search: 4,137

Keynumber Search: 1,143

Combine View: 12

Recent References: 26

NSR Link: 7,431

Total: 23,893





NSR Future Upgrades

- > Improve the NSR, address user needs
- Improve relations with nuclear reaction community, S. Mughabghab switched to NSR because CINDA is out of date
- > Reaction textbox in "Quick Search" option
- ➤ NSR-EXFOR connection (similar to NSR-XUNDL), work with V. Zerkin





Contacts with Users

- Direct contacts with CSEWG & USNDP evaluators
- Direct contacts with the USNDP User Forum (Presentation of B. Sherrill)
- Direct contacts with FRIB community
- Direct contacts during the conferences
- > Email requests, users statistics





NSR for Nuclear Physicists

- Is NSR a good source of information?
- What is missing before 1980?
- How many papers of Maria Gopert-Mayer were in NSR until June 2009: Zero
- Was famous paper of Grodzin there: No
- \triangleright $\beta\beta$ -decay & B(E2) topics are in good shape
- How many fundamental papers are missing???
- Please submit missing impact physics papers to NSR manager





NSR Issues (ENSDF Evaluators)

- Keywording: no new keywords/subjects
- Scope: Low & intermediate energies, RHIC articles from PRC or PRL are in NSR but no keywords, nuclear reaction content for CSEWG is keyworded
- Quality control: Everyone is responsible, computer check
- NSR Team: B. Pritychenko, J. Totans, B. Singh, M. Kellett, E. Betak
- B. Pritychenko has other responsibilities in the USNDP
- Change of Services: most users were not affected, many improvements have been made, database migration in summer of 2009 created a few problems
- Direct contacts produce the best results, if you have problems talk directly to responsible people
- NSR outreach, better contacts with NSDD and nuclear physics communities, NSR presentations





Conclusion & Outlook

- ➤ I inherited NSR with many problems in June of 2009, I'm not responsible for many decisions
- Number of NSR issues were resolved since then and work continues
- If you would like to contribute to NSR and join the NSR Team then you will be more than welcome
- > "Ask not what your country can do for you--ask what you can do for your country"

http://www.whitehouse.gov/about/presidents/JohnFKennedy/



