

Burnup Credit bibliography (french papers after 2005)

NT 2006, C. Riffard, H. Toubon, S. Pelletier, M. Batifol, J.M. Vidal, *MOX fuel characterization for Burnup Credit application: extension of non-destructive method qualified for LEU fuels*, Nuclear Technology, Volume 154, pages 186-193, May 2006

ICNC 2007, A. Barreau, C. Venard, E. Cabrol and F. Douchin, *PWR-Uox fuel : Validation of the French BUC calculation route CIRACUSE with MINERVE, REBUS experiments*, Proc. of ICNC 2007, Saint Petersburg, Russia, May 2007.

ICNC 2007, A. Barreau on behalf of the WPNCs/BUC Expert Group, *Burnup Credit criticality benchmark Phase II-D PWR-UOX fuel: study of control rod effect on spent fuel composition and reactivity*, Proc. of ICNC 2007, Saint Petersburg, Russia, May 2007.

ICNC 2007, E. Cabrol, F. Douchin, S. Janski, C. Venard, C. Lavarenne, J. Raby, I. Duhamel, *International Program Rebus French Comparisons of the Experimental Data with the Results of various Criticality Codes*, Proc. of ICNC 2007, Saint Petersburg, Russia, May 2007.

ICNC 2007, E. Cabrol, F. Douchin, F. Lavaud, S. Janski, A. Barreau, J.-F. Thro, *Determining an axial burn up profile for BUC criticality studies by using a french database of axial burnup measurements*, Proc. of ICNC 2007, Saint Petersburg, Russia, May 2007.

ICNC 2007, F. Gevaert et al., *Methodology to Determine a Boundary Isotopic MOx Composition for a given MOx Irradiated Fuel*, Proc. of ICNC 2007, Saint Petersburg, Russia, May 2007.

ICNC 2007, J. Raby, C. Lavarenne, F. Jean, *Bounding plutonium vectors for PWR-MOX burnup credit applications*, Proc. of ICNC 2007, Saint Petersburg, Russia, May 2007.

ICNC 2007, J. Raby, B. Faivre, Y. Richet, C. Lavarenne, *Determination of correction factors for the isotopic composition in burnup credit applications taking into account the depletion codes validation*, Proc. of ICNC 2007, Saint Petersburg, Russia, May 2007.

ICNC 2007, C. Riffard, P. Marimbeau, B. Roque, E. Cabrol, F. Douchin, *International program REBUS - experimental validation of spent fuel isotopic predictions for a 3.8% UO₂ PWR with "DARWIN" code system*, Proc. of ICNC 2007, Saint Petersburg, Russia, May 2007.

PATRAM 2007, F. Riou, P. Malesys, D. Sicard, M. Tardy, M. Lein, *Implementation of a Burn-Up Credit approach for transport and storage cask*, Proc. of PATRAM 2007, Miami, USA, October 2007.

PHYSOR 2008, S. Hairion, J. Raby, L. Jutier, W. Haeck, L. Aguiar, V. Rouyer, *Validation study of depletion calculations performed with a Monte-Carlo*, Proc. of PHYSOR 2008, Interlaken, Switzerland, September 2008.

PHYSOR 2008, L. Jutier, B. Checiak, J. Raby, L. Aguiar, I. Le Bars, *Conservative approach for PWR MOX burnup credit implementation*, Proc. of PHYSOR 2008, Interlaken, Switzerland, September 2008.

NSE 2009, N. Leclaire, T. Ivanova, E. Létang, E. Girault, J.-F. Thro, *Fission Product Experimental Program: Validation and Computational Analysis*, Nuclear Science and Engineering, Volume 161, Number 2, pages 188-215, February 2009.

NSE 2009, F. Fernex, T. Ivanova, F. Bernard, E. Létang, P. Fouillaud, J. F. Thro, *HTC Experimental Program: Validation and Computational Analysis*, Nuclear Science and Engineering, Volume 162, Number 1, pages 1-24, May 2009.

GLOBAL 2009, L. San Felice, A. Santamarina, C. Riffard, F. Riou, M. Lein, M. Tardy, *BUC implementation for a transport cask application using penalty terms from French experiments*, Proc. of GLOBAL 2009, Paris, France, September 2009.

NCSD 2009, F. Gevaert et al., *Criticality Calculations for MOx Reprocessing in AREVA NC La Hague Plant*, Proc. of NCSD 2009, Richland, USA, September 2009.

NCSD 2009, T. Ivanova, N. Leclaire, E. Létang, *Use of fission product experiments for burnup credit validation*, Proc. of NCSD 2009, Richland, USA, September 2009.

NCSD 2009, L. Jutier, M. Clergeau, L. Aguiar, I. Ortiz de Echevarria, *Investigation of burnup credit implementation for BWR fuel*, Proc. of NCSD 2009, Richland, USA, September 2009.

IAEA/CSN 2009, L. Jutier et al., *Latest Studies Related to the Use of Burnup Credit in France*, Proc. of IAEA/CSN 2009, Cordoba, Spain, October 2009.

IAEA/CSN 2009, C. Riffard A. Santamarina, J.-F. Thro, F. Lavaud, *Recommended bounding Axial Profile in BUC applications from actual Burnup measurement of French PWR assemblies*, Proc. of IAEA/CSN 2009, Cordoba, Spain, October 2009.

PHYSOR 2010, L. Cousin, W. Haack, B. Cochet, *Validating the VESTA Monte-Carlo depletion interface using ARIANE chemical assay data for pressurized water reactor applications*, Proc. of PHYSOR 2010, Pittsburgh, USA, May 2010.

PATRAM 2010, M. Tardy, S. Kitsos, *Burnup credit implementation for transport and storage casks of irradiated UO₂ fuel assemblies*, Proc. of PATRAM 2010, London, UK, October 2010.

PATRAM 2010, M. Tardy, M. Lein, F. Riou, A. Cwiklinski, P. Soubourou, S. Kitsos, C. Garat, J.F. Thro, N. Leclaire, T. Ivanova, F. Bernard, I. Duhamel, *Representativity study of the French HTC and FP experiments for Burnup Credit application to the TN[®] 24 E transport and storage cask*, Proc. of PATRAM 2010, London, UK, October 2010.