



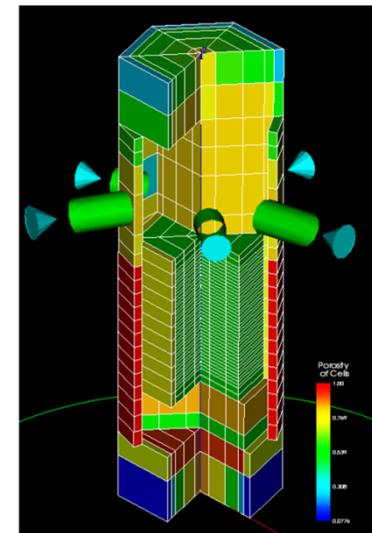
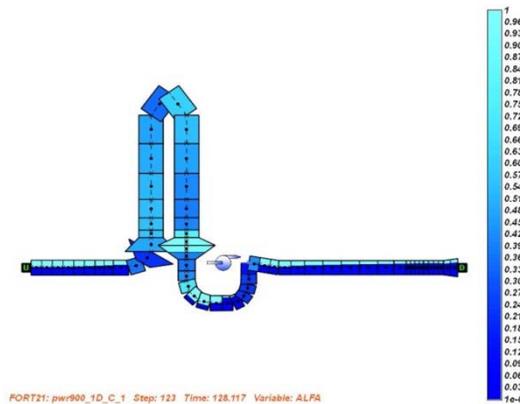
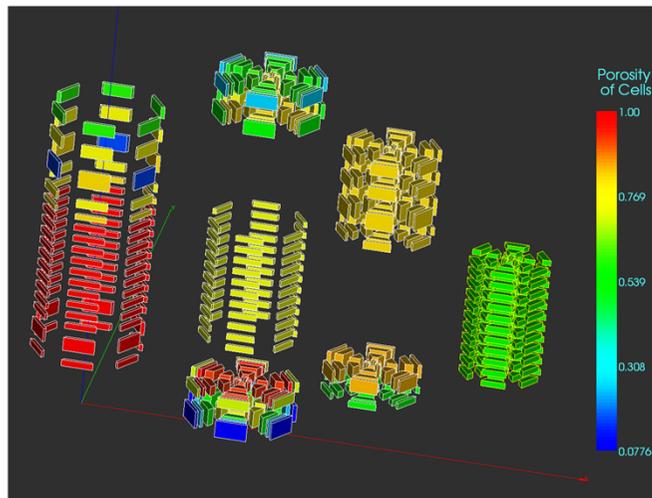
CATHARE Users' CLUB



GRENOBLE - France, October 9, 10 and 11 2013

The CUC is the opportunity :

- For all the users : to show their works on various applications and to share experience on the CATHARE nuclear reactor safety code
- For the CATHARE team : to present features and functionalities of the new version of the CATHARE code



Informations CEA, gilles.lavialle@cea.fr

CATHARE 2



V25 series

Wednesday October 9th

Introduction

CATHARE use by licensed organisations



13:30	Registration			
14:00	Welcome, Introduction	15'	CEA	
14:15	CATHARE team activities on CATHARE 2 and CATHARE 3 codes			
	• Maintenance, delivery, documentation	60'	CEA	
15:15	Break			
15:45	Use of the CATHARE code at SNECMAs Space Engines Division Simulating the complex two-phase flows in the rocket engine during chill-down	30'	SNECMA	
16:00	Research Reactor applications using CATHARE	30'	Mr MLADIN, INR-ROMANIA	
16:15	Use of CATHARE at University of PISA	30'	Univ. PISA-ITALIA	
16:45	Simulation of condensation induced waterhammer in the suction pipeline of the feedwater pump	30'	Pr. STEVANOVIC Univ. BELGRADE, SERBIA	
16:45	Transient Analysis of the 75 MW ALLEGRO Gas Fast Reactor with CATHARE2 (MTA EK/CEA)	30'	Mr MAYER-AEKI, HUNGARY Mr BENTIVOGLIO CEA	
17.15	Adjourn			



CATHARE User's Club-2013, Grenoble, France -n°2/6



CATHARE 2



V25 series

Thursday October 10th CATHARE use by licensed organisations



9:15	<i>Welcome</i>		
9:30	Station Blackout Analysis for AHWR using CATHARE	30'	Mr SRIVASTAVA-BARC, INDIA
10:00	Bel V Activities using CATHARE code		Bel V-BELGIUM
	<input type="checkbox"/> Part I – OECD/NEA PKL/ROSA Activities	15'	Mr BOUSBIA SALAH,
	<input type="checkbox"/> Part II - PREMIUM Uncertainties Analysis	15'	Ms SARRETTE,
10:30	<i>Break</i>		
11:00	Use of CATHARE at ENEA	30'	Mr POLIDORI-ENEA, ITALIA
11:30	Use of CATHARE at NCBJ	30'	NCBJ, POLAND
12:00	<i>Lunch</i>		



CATHARE User's Club-2013, Grenoble, France -n°3/6



Thursday October 10th

CATHARE use by licensed organisations and partners



14:00	Use of CATHARE at AREVA-NP	30'	AREVA-NP, FRANCE
14:30	Use of CATHARE at IRSN with the focus for VVER reactors	30'	M SABOTINOV, IRSN, FRANCE
15:00	Use of CATHARE at EDF	30'	EDF, FRANCE
15:30	Break		
16:00	Use of CATHARE at AREVA-TA	30'	AREVA-TA, FRANCE
16:30	CATHARE applications for RJH reactor	30'	S. BOURDON, CEA
17.00	Adjourn		
19.30	Dinner at the Caffé forté		

CATHARE 2



V25 series

Dinner at the Caffè Forté Thursday October 10th, 19h30



Caffè Forté

4, place Lavalette, 38000 GRENOBLE,
Tramway line B, Notre Dame, Musée stop ,
Tél. : 04.76.03.22.83

"Caffè Forté" is installed in the mansion where Choderlos de Laclos drew his inspiration during his passage in Grenoble to install "Les liaisons dangereuses, *The Dangerous Liaisons*" there. Under the French Revolution the first room of "Caffè Forté" was the place where people were guillotine. It was then a prison.



CATHARE User's Club-2013, Grenoble, France -n°5/6



CATHARE 2



V25 series

Friday October 11th CATHARE use by partners - Conclusions



9:00	CATHARE applications for Sodium Fast-Breeder Reactor ✓ Modeling of ASTRID steam generators flow control using a coupled model CATHARE-DIAGRAM	30'	JM CHEREL B. CHAZOT, AREVA-NP
	✓ CATHARE as an pre design tool and safety analysis support for ASTRID reactor	30'	R.LAVASTRE, CEA
10:00	Thermalhydraulic's studies with CATHARE on the OSIRIS facility	30'	B. TISSOT, CEA
10.30	Break		
11:00	CATHARE applications for External Vessel Reactor Cooling and steam generator studies	30'	D. GUENADOU CEA, FRANCE
11.30	Conclusions of the club ✓ Use of the code, requests of users, etc. ✓ Futures versions of CATHARE 2, GUTHARE, CATHARE 3 ✓ Discussion, remarks	30'	CEA, FRANCE

12:00

Lunch



CATHARE User's Club-2013, Grenoble, France -n°6/6

