

**FREYA WP1 technical meeting**  
**October 30-31, 2014, Grenoble, France**  
**AGENDA**

**Location: LPSC, Amphitheater**

**Thursday, OCTOBER 30th**

*Each presentation includes a 5 minutes discussion*

09:00-09:15	Welcoming	A. Kochetkov (SCK) A. Billebaud (CNRS)
<b>SESSION 1: Experimental results</b> <b>Chairman: F. Mellier</b>		
09:15-09:35	WP1 status, configurations studied	A. Billebaud (CNRS)
09:35-10:00	Recommended value for reactivity of SC1 and tentative MSM reactivity estimates for modified SC1, SC2, SC3, SC4	J.-L. Lecouey (CNRS)
10:00-10:20	Source Jerk integral method WP1 summary results	A. Kochetkov (SCK)
<b>10:20-10:35</b>	<b>Coffee break</b>	
10:35-10:55	Application of the kp method to the SC1 PNS experiments	S. Chabod (CNRS)
10:55-11:15	Reactivity measurement using beam interruption experiments : influence of the reactor surroundings and latest results	T. Chevret (CNRS)
11:15-11:30	Reactivity around SC1 using the Area method for PNS experiments	J.-L. Lecouey (CNRS)
11:30-11:50	A preliminary study of an improved area method, adapted to short time transients in sub-critical systems	S. Argiro (INFN)
<b>12:10-13:30</b>	<b>Lunch at H2 (5' walk)</b>	
13:45-14:05	PNS analysis and CR shadow effect	P. Gajda (AGH)
14:05-14:25	Axial traverses in CR0, SC1 with long and short thimble	A. Krasa (SCK)
14:25-14:45	Area and prompt decay constant analysis for reactivity assessment in deep subcritical configuration	S. Di Maria (ITN)
14:45-15:05	Analysis of reflector and source experiments	D. Villamarin (CIEMAT)
15:05-15:25	Evaluation of VENUS-F subcritical measurements with neutron noise methods	M. Szieberth (BME)
15:25-16:00	Synthesis and Discussion	All
16:00-16:15	<b>Coffee break</b>	
16:15-17:00	Discussion: towards the WP1 conclusions	All
17:00-17:30	WP1 conclusion synthesis preparation	Task leaders, AB, AK
17:00-18h30	<b>Visit of the MYRRHA LEBT source (2 groups)</b>	M. Baylac (CNRS)
17:30-18:30	<b>PCC meeting (select committee): small council room</b>	WP leaders only
<b>19:30</b>	<b>Meeting point at "Téléphérique Bastille"</b>	
<b>20:00</b>	<b>Dinner at "le Père Gras" top of the Bastille</b>	

**Friday, OCTOBER 31st**

<b>SESSION 2: Calculation support and Analysis methods</b> <b>Chairman: D. Villamarin</b>		
09:00-09:20	Overview of ENEA activities in WP1	M. Carta (ENEA)
09:20-09:40	Application of a novel method for on-line sub-criticality monitoring	S. Dulla (Polito)
09:40-10:00	Static modal analysis for sub-criticality monitoring on VENUS-F	W. Uyttenhove (SCK)
10:00-10:20	Some variant of the two-group two-region Feynman-alpha method	I. Pazsit (Chalmers)
<b>10:20-10:35</b>	<b>Coffee break</b>	
10:35-10:45	Papers and conferences	A. Kochetkov (SCK)
10:45-11:00	WP1 conclusions	A. Billebaud (CNRS)
<b>SESSION 3: Future</b> <b>Chairman: L. Mercatali</b>		
11:00-11:20	Horizon 2020 RTD Update	R. Garbil (EC)
11:20-11:40	Diamond neutron spectrometer for ADS	M. Osipenko (INFN)
11:40-12:00	WP2 experiments planning	A. Kochetkov (SCK)
12:00	<b>End of the meeting</b>	
<b>12:30-14:00</b>	<b>Lunch at H2 (5' walk)</b>	