

Service Name / LPS:

Laboratory of Magnetic and Thermal Measurements (LMT)						
fares typology						
Applied to	Internal	Internal + VAT	Mixed (Annex to the Economic Model)			External
			1	1 2		
				1	2	
UAB users with internal projects		CRAG FIRHVH	UAB users with external projects (agreements)	PRUAB Centers, EBT+Spin-off UAB	Other PRUAB companies, CEI Entities	Public or private entities NOT linked to the UAB
CANON APPLICABLE	N/A	N/A	N/A	21% - 12,6%	21%	21%
IMPUTABLE VAT	N/A	21%	N/A	21%	21%	21%
Collection fee	Internal charge	Billing	Internal charge	Billing	Billing	Billing
Price year 2023 (with CANON, without VAT)						
Rate concept	Internal	1A	1B	2	External	
Thermal characterization of materials						
Thermogravimetric analysis, TGA (standard conditions *)						
Experience A (duration less than 2h)	(€)	58,9	67,7	74,8	88,4	117,8
Experience B (duration greater than 2h)	Exp rate A + additional time (€ / h)	5,9	6,8	7,5	8,8	11,8
* Experiences with other gases			ask for a budget			
Differential calorimetric analysis, DSC (standard conditions *)						
Experiència A (Experience A (duration less than 2h) infer	(€)	58,9	67,7	74,8	88,4	117,8
Experience B (duration greater than 2h)	Exp rate A + additional time (€ / h)	5,9	6,8	7,5	8,8	11,8
* Experiences with other gases and / or crucibles			ask for a budget			
Dilatometric analysis (standard conditions *)						
Experience A (duration less than 2h)	(€)	35,3	40,6	44,8	52,9	70,6
Experience B (duration greater than 2h)	Exp rate A + additional time (€ / h)	3,5	4,0	4,4	5,2	7,0
* Experiences with other gases and / or crucibles			ask for a budget			
Optical microscope with heated plate (standard conditions *)						
Experience A (duration less than 1h)	(€)	47,1	54,2	59,8	70,7	94,2
Experience B (duration greater than 1h)	Exp rate A + additional time (€ / h)	5,9	6,8	7,5	8,8	11,8
* Experiences with other gases			ask for a budget			
Magnetic characterization of materials						
Vibrant sample magnetometry, VSM (standard conditions *)						
Hysteresis cycle at room temperature - Experience A (duration less than 1h)	(€)	47,1	49,5	59,8	70,7	94,2
Experience B (duration greater than 1h)	Exp rate A + additional time (€ / h)	5,9	6,2	7,5	8,8	11,8
* Experiences at other temperatures			ask for a budget			
Magnetization curves at ambient temperature - Experience A (duration less than 1h)	(€)	47,1	54,2	59,8	70,7	94,2
Experience B (duration greater than 1h)	Exp rate A + additional time (€ / h)	5,9	6,8	7,5	8,8	11,8
* Experiences at other temperatures			ask for a budget			
Mechanical characterization of materials						
Vickers Hardness (standard conditions *)						
Indentation	(€)	3,5	4,0	4,4	5,2	7,0
* other conditions			ask for a budget			
Vickers micro hardness (standard conditions *)						
Indentation	(€)	3,5	4,0	4,4	5,2	7,0
* other conditions			ask for a budget			
nanindentation (standard conditions *)						
Arrays of 7 x 7 indentations to constant force	(€/surface)	88,3	101,6	112,2	132,5	176,6
* other conditions			ask for a budget			
Determination of elastic constants by ultrasound						
Method Pulse - Echo	(€)	35,3	40,6	44,8	52,9	70,6
Corrosion studies						
Potential-dynamic polarization curves (standard conditions *)						
Experience A (duration less than 1h)	(€)	58,9	67,7	74,8	88,4	117,8
Experience B (duration greater than 1h)	Exp rate A + additional time (€ / h)	5,9	6,8	7,5	8,8	11,8
* other conditions			ask for a budget			
Metallization of small pieces						
Metalizer (standard conditions *)						
Experience A (duration less than 3h)	(€)	58,9	67,7	74,8	88,4	117,8
Experience B (duration greater than 3h)	tarifa Exp A + hora adicional (€/h)	5,9	6,8	7,5	8,8	11,8
* other conditions			ask for a budget			
Things layers fabrication						
Preparation and manufacture of the layer in 1 evaporation process						
Experience A (duration less than 1h)	(€)	76,6	88,0	97,2	114,8	153,1
Experience B (duration greater than 1h)	tarifa Exp A + hora adicional (€/h)	106,0	121,9	134,6	158,9	211,9
* other conditions			ask for a budget			
Thermal treatments of small pieces in a controlled atmosphere						
Thermal treatment in inert atmosphere	(€/h)	3,5	4,0	4,4	5,2	7,0
High vacuum thermal treatment	(€/h)	5,9	6,8	7,5	8,8	11,8
Hora de tècnic	(€/h)	76,6	88,0	97,2	114,8	153,1
Molding and mixing of samples in a controlled atmosphere						
Milling (standard conditions *)	(€/h)	4,1	4,8	5,3	6,2	8,3
Technical time	(€/h)	76,6	88,0	97,2	114,8	153,1
* other conditions			ask for a budget			
General (concepts applicable to all services offered)						
Manipulation of samples: fungible	(€/h)	5,9	6,8	7,5	8,8	11,8
Technical time	(€/h)	76,6	88,0	97,2	114,8	153,1
Report and interpretation of results	(€/h)	82,4	94,8	104,7	123,7	164,9