

Activity	group	planned 2019 (kCHF)	planned 2020 (kCHF)	comment	BC
Coating R&D, surface treatments, sample testing					
EP set-up	TE-VSC	95		25 already committed	10822
new insert for QPR, cryo-lab	BE-RF	20	20	Giovanna	10822
Coating set-up A15	TE-VSC	0	150	Guillaume/Alban	10822
HIPIMS coating set-up, 1.3 GHz	TE-VSC	15	5	Guillaume	10822
HIPIMS coating set-up 400 MHz	TE-VSC		30	Guillaume	10822
FCC WOW, coating set-up	TE-VSC	70	130	Alban	10816
surface polishing, e.g. MMP,	EN-MME	5	10	Said	10822
Substrate fabrication for coating studies					
1.3 GHz seamless, electrodeposition	TE-VSC	35	25	Guillaume	10816
1.3 GHz welded, single cell (4 Cu + 2 Nb for surface polishing)	BE-RF	70	30	Alick, Nuria	10816
1.3 GHz Cu seamless via hydroforming	EN-MME	30	10	2020 depends on 2019 trials, etc	10816
800 MHz BMAX (assembly) + EASITRAIN testing		65	10	Said	10816
material replacement JLAB 800 MHz	BE-RF/EN-MME	40			10816
WOW, 2nd substrate + transport frame	BE-RF/EN-MME	80	20	Alban/Alexej	10816
Cold testing & other					
cold testing at LNL of coated cavities	BE-RF	20		Walter	10816
magnetic shielding in V6 + CM,	BE-RF	70	50	depending on tests in V6	10816
HOM studies + FPC	BE-RF		tbc	Eric, Frankfurt Uni, ..	10816
3D printing, e.g. Nb HOM couplers, high-eff. klystr.	EN-MME	<i>tbc</i>	<i>tbc</i>	depends on requests from RF	10816
Design office & similar	EN-MME	70	70		10816
HE klystron prototyping with industry	BE-RF	200	300		
Total		885	860		