

Summary about financial situation

# Summary of the money status

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- All costs for the construction of CYGNO04 (the so-called CORE costs) are being charged to ERC funds;
- Current availabilities on INITUM funds are: 247 k€ at GSSI, 50 k€ at RM1 and 7 k€ at LNF = **304 k€**
- Experiment running costs (gas, consumables) agreed with CSN2 are about 150 k€ for 2025-2027;
- Travels costs 120 k€ for 2025-2027;
- Starting from the WBS prepared by Giovanni for the TDR , I prepared a cost table;
- The total amount of the various items was updated to our current knowledges;
- For all of them, I tried to get information about the latest shippings in order to being able to indicate the current needs;

# Summary of the costs

		Unit cost	Needed Quantity	Total Cost	We Have	To Buy	Still To Spend	Comments
<b>GAS VOLUME</b>	Cone and GEM holders	5	1	5	0	1	5	
	Vessel	30	1	30	0	1	30	enough? quotation needed
<b>READOUT</b>	4-GEM Set	10	2	20	2	0	0	
	Orca Quest	26	6	156	6	0	0	
	Camera mechanics	1	6	6	0	6	6	
	Lenses	2	6	12	2	4	8	
	PMT+Socket	1	16	16	16	0	0	
<b>CATHODE</b>	Frame+foil+feedthrough	17	1	17	0	1	17	a backup solution present in the Copper shipping
<b>FIELD CAGE</b>	Field Cage	13	1	13	0	1	13	enough? quotation needed
<b>CALIBRATION SYSTEM</b>	Krypton-Rubidium	6	1	6	0	1	6	
	55-Fe system	2	1	2	0	1	2	no new source foreseen
<b>SHIELDING</b>	4 ton Copper Elsasser	156	1	156	1	0	0	
	copper precision machinering	10	1	10	0	1	10	what operation are foreseen? quotation?
	Opera copper refurbishing	30	1	30	0	1	30	what operation are foreseen? quotation?
	High Voltage feed through	10	1	10	0	1	10	
	Optical windows	10	1	10	0	1	10	
	water tanks	65	1	65	0	1	65	enough? quotation needed
	frame	20	1	20	0	1	20	quotation needed
	polietilene	20	1	20	0	1	20	quotation needed
<b>GAS SYSTEM</b>	gas system	85	1	85	1	0	0	Do we expect any operation or upgrade to the gas system, pumps, booster?
	filters	1	8	8	8	0	0	
<b>HV SYSTEM</b>	GEM-HV	5	1	5	1	0	0	
	PMT-HV	3	2	6	2	0	0	
	Cathode HV	5	1	5	1	0	0	



# Conclusion

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- We do not have so far indication that CYGNO financial situation is worrying;
- According to current expectations, we have a **extra-availability of 28 k€**;
- Anyway, this includes several numbers that need to be better known:
- Items foreseen that need only the quotation: PMMA-vessel, Field Cage, Water Tanks + frames, Polietilene slabs, Calibration mechanics accounting so far for **155 k€**
- Items and parts still to be finalised (+quotation): feed-throughs, optical windows (on copper), machinery of clean copper and Opera copper accounting so far for **60 k€**
- Loomba cathode: are we pursuing that or similar solution? **17 k€**
- We are not consider possible costs for the **gas system, HV, power and network distribution, copper cleaning**