

iLENSES - International Network for the exploration of Exotic Nuclear Science and Extreme Star Matter

1 - General information

Fields marked * are mandatory to fill.

Topic	HORIZON-MSCA-2025-SE-01-01	Type of Action	HORIZON-TMA-MSCA-SE
Call	HORIZON-MSCA-2025-SE-01	Type of Model Grant Agreement	HORIZON-AG-UN

Acronym iLENSES

Proposal title international network for the exploration of Exotic Nuclear Science and Extreme Stellar matter

Note that for technical reasons, the following characters are not accepted in the Proposal Title and will be removed: < > ' &

Duration in months 48

Panel Physics (PHY)

Please select up to 5 descriptors (and at least 3) that best characterise the subject of your proposal, in descending order of relevance. Note that descriptors will be used to support REA services in identifying the best qualified evaluators for your proposal.

Descriptor1 Nuclear physics

Descriptor2 Nuclear astrophysics

Descriptor3 Fundamental interactions and fields

Free keywords *Radioactive isotope beams; Dense nuclear matter; Neutron stars;*

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Work Package No	WP Title	Activity Type	Number of person-months per WP	Lead participant	Start month	End month
1	Management and coordination	Management, Dissemination, Communication	0	CNRS	1	48
2	Heavy-Ion Collisions and Equation of State of supra-dense matter	Research, Training	36	INFN	1	48
3	Exploration of ground-state nuclear structure at the frontier of extreme isospin	Research, Training	46	GSI	1	48
4	Precision spectroscopy for probing nuclear excited states	Research, Training	64	CEA	1	48
5	Reactions for electroweak processes and their astrophysical impact	Research, Training	26	INFN	1	48
6	Clustering and reactions near-threshold physics	Research, Training	56	USC	1	48
7	Reaction rates and NuS network calculations	Research, Training	84	UY	1	48
8	Instrumentation (detectors, electronics, targets and accelerators R&D)	Research, Training	48	CNRS	1	48

SYMEOS

GASPEC

RIBDCE

NUSYC + Other

SYSTERSE + Other

List of participating organisations

#	Participating Organisation Legal Name	Country	Role
1	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	FR	Coordinator
2	COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES	FR	Partner
3	ISTITUTO NAZIONALE DI FISICA NUCLEARE	IT	Partner
4	AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES	ES	Partner
5	UNIVERSIDAD DE SANTIAGO DE COMPOSTELA	ES	Partner
6	UNIVERSIDAD DE SEVILLA	ES	Partner
7	UNIVERSITAT DE BARCELONA	ES	Partner
8	UNIVERSIDAD DE HUELVA	ES	Partner
9	GSI HELMHOLTZZENTRUM FUR SCHWERIONENFORSCHUNG	DE	Partner
10	UNIVERSIDADE DA CORUNA	ES	Partner
11	UNIVERSITY OF YORK	UK	Partner
12	UNIVERSITY OF SURREY	UK	Partner
13	THE UNIVERSITY OF EDINBURGH	UK	Partner
14	UNIVERSITY OF KEELE ROYAL CHARTER	UK	Partner
15	UNIVERSITY OF BATH	UK	Partner
16	HELMHOLTZ-ZENTRUM DRESDEN-ROSSENDORF EV	DE	Partner
17	TRIUMF	CA	Partner
18	MICHIGAN STATE UNIVERSITY	US	Partner

part. n°	Organisation short name	Country	N°of seconded researchers	N°of person months	Contribution for seconded researchers	Institutional contribution		Total
					Staff Unit Costs for the seconded Staff ONLY	Research, training and networking costs	management and indirect costs	
1	CNRS	FR	9	46	124.660,00 €	59.800,00 €	46.000,00 €	230.460,00 €
2	CEA	FR	5	30	81.300,00 €	39.000,00 €	30.000,00 €	150.300,00 €
3	INFN	IT	32	84	227.640,00 €	109.200,00 €	84.000,00 €	420.840,00 €
4	CSIC	ES	9	36	97.560,00 €	46.800,00 €	36.000,00 €	180.360,00 €
5	USC	ES	7	24	65.040,00 €	31.200,00 €	24.000,00 €	120.240,00 €
6	USE	ES	1	4	10.840,00 €	5.200,00 €	4.000,00 €	20.040,00 €
7	UB	ES	2	8	21.680,00 €	10.400,00 €	8.000,00 €	40.080,00 €
8	UHU	ES	1	4	10.840,00 €	5.200,00 €	4.000,00 €	20.040,00 €
9	UDC	ES	2	8	21.680,00 €	10.400,00 €	8.000,00 €	40.080,00 €
10	GSI	DE	5	30	81.300,00 €	39.000,00 €	30.000,00 €	150.300,00 €
11	HZDR	DE	2	8	21.680,00 €	10.400,00 €	8.000,00 €	40.080,00 €
12	UY	UK	7	28	75.880,00 €	36.400,00 €	28.000,00 €	140.280,00 €
13	US	UK	6	16	43.360,00 €	20.800,00 €	16.000,00 €	80.160,00 €
14	UE	UK	6	26	70.460,00 €	33.800,00 €	26.000,00 €	130.260,00 €
15	UKE	UK	1	4	10.840,00 €	5.200,00 €	4.000,00 €	20.040,00 €
16	UBA	UK	1	4	10.840,00 €	5.200,00 €	4.000,00 €	20.040,00 €

Hosting Institutes in North America

Tried to include Argonne and JLab
Not recommended by CNRS for different reasons

Submitted on October 8th, 2025

Some news expected in March 2026