UNIVERSITÀ DEGLI STUDI DI MILANO

TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO **ID CODE 5900**

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Fisica**

Scientist- in – charge:

Nicola Neri

[Name and surname]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Pavel
Name	Kavrigin

PRESENT OCCUPATION

Appointment	Structure
Postdoctoral researcher	Weizmann Institute of Science (Israel)

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree			
Specialization			
PhD	Physics	Vienna University of Technology (Austria)	2018
Master			
Degree of medical specialization			
Degree of European specialization			
Other			

REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of	Association	City

registration		

FOREIGN LANGUAGES

Languages	level of knowledge
English	Fluent

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2012	Marie Curie Fellowship (oPAC Initial Training Network)

TRAINING OR RESEARCH ACTIVITY

description of activity

PROJECT ACTIVITY

Year	Project
2012	Development of a versatile beam loss monitor (oPAC ITN / CIVIDEC)

PATENTS

Patent

CONGRESSES AND SEMINARS

Date	Title	Place

PUBLICATIONS

Books

Articles
First Dark Matter Search with Nuclear Recoils from the XENONnT Experiment (E. Aprile et al., XENON Collaboration), Phys. Rev. Lett. 131 041003, **2023**
Double-weak decays of 124Xe and 136Xe in the XENON1T and XENONnT experiments (E. Aprile et al., XENON Collaboration), Phys. Rev. C 106 024328, **2022**
Search for New Physics in Electronic Recoil Data from XENONnT (E. Aprile et al., XENON Collaboration), Phys. Rev. Lett. 129 161805, **2022**
Modeling the response of a diamond detector in the zero power reactor CROCUS (Kong C., Ebiwonjumi B., Lee D., Kavrigin P. et al.), The European Physical Journal Plus Vol. 137 Art. 25, **2022**
Testing of a sCVD diamond detection system in the CROCUS reactor (Hursin M., Weiss C., Frajtag P., Lamirand V., Perret G., Kavrigin P., Pautz A., Griesmayer E.), European Physical Journal A Vol: 54 (5), **2018**
13C(n,a0)10Be cross section measurement with sCVD diamond detector (Kavrigin P., Griesmayer E., Belloni F., Plompen A., Schillebeeckx P., Weiss C.), European Physical Journal A Vol: 52 (6), **2016**
Ionization signals from diamond detectors in fast-neutron fields (Weiss C., Frais-Koelbl H., Griesmayer E., Kavrigin P.), European Physical Journal A Vol: 52 (9), **2016**
Pulse-shape analysis for gamma background rejection in thermal neutron radiation using CVD diamond detectors (Kavrigin P., Finocchiaro P., Griesmayer E., Jericha E., Pappalardo A., Weiss C.), Nuclear Instruments and Methods in Physics Research Vol: 795, **2015**

Congress proceedings
Neutron cross section measurements with diamond detectors (Griesmayer E., Kavrigin P., Weiss C.), ISMART 2018: Engineering of Scintillation Materials and Radiation Technologies, Springer Proceedings in Physics, Vol: 227, **2019**
Applications of single-crystal CVD diamond XBPM detectors with nanometre X-ray beams (Griesmayer E., Kavrigin P., Weiss C., Kalbfleisch S.), AIP Conference Proceedings Vol: 2054 (060052), **2019**
The 13C(n,a0)10Be cross section at 14.3 MeV and 17 MeV neutron energy (Kavrigin P., Belloni F., Frais-Koelbl H., Griesmayer E., Plompen A., Schillebeeckx P., Weiss C.), EPJ Web of Conferences, Vol: 146, **2017**
Diamonds for beam instrumentation (Griesmayer E., Kavrigin P.), Proceedings of Science, TIPP, **2014**
A prototype readout system for the Diamond Beam Loss Monitors at LHC (Effinger E., Dehning B., Baer T., Schmidt R., Frais-Koelbl H., Griesmayer E., Kavrigin P.), IBIC 2013: Proceedings of the 2nd International Beam Instrumentation Conference, **2013**

OTHER INFORMATION

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

Please DO NOT SIGN this form.

Place and date: Rehovot, 02.10.2023

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