



VNIVERSITAT D VALÈNCIA

DOCUMENT DE ACTIVITATS (R.D. 99/2011)

Doctorate Student

Family Name..... Martínez Roig

Name..... Marcos **NIF/NIE** 53726763M

email... roig2@alumni.uv.es

Research AreaExperimental Nuclear Physics.....

Project TitleTritium: a real time monitoring of low activities of tritium in water

PhD Supervisor(s)

1.- Name.... Jose Díaz MedinaNIF/NIE: 21396244B
Departament:.....Física atómica, molecular y nuclear Center:Universidad de Valencia.....

2.- Name..... Nadia Yahla HaddouNIF/NIE:.... 22592656D
Departament:..... Física atómica, molecular y nuclear Center:Universidad de Valencia

Tutor

Name..... Jose Diaz MedinaNIF/NIE: 21396244B
Departament:.....Física atómica, molecular y nuclear..... Centre:Universidad de Valencia.....

The PhD Supervisors and the Tutor of the student declare their agreement with the activities described

Supervisor 1

DIAZ MEDINA
JOSE -
21396244B
Signature:

Supervisor 2

YAHLALI
HADDOU
NADIA -
Signature: 22592656D

Tutor

YAHLALI
HADDOU NADIA
-22592656D
Date: 2020.07.14
17:11:35 +02'00'

DIAZ
MEDINA
JOSE -
21396244B
Signature:

Digitally signed by
DIAZ MEDINA
JOSE - 21396244B
Date: 2020.07.15
09:42:32 +02'00'

Date17 de Julio de 2020.....

Student:

Signature:

ACTIVITY DOCUMENT

Family Name Martinez Roig

Name Marcos

NIF/NIE 53726763M

Activity: "Seminarios/Cursos Especializados" (Specialized Courses) Code: 50027

Course Title	Institution	Dates	Hours
Introduction to machine learning for scientific computing	Universidad de Valencia	Desde 15/02/2019 Hasta 21/05/2019	21
INTERREG SUDOE: PROYECTO TRITIUM	Universidad de Extremadura	Desde 05/06/2019 Hasta 06/06/2019	16
Short Courses on Standard and state-of-the art instrumentation for nuclear applications	Portoroz, Slovenia	17/06/2019	8
ANIMMA conference	Portoroz, Slovenia	Desde 18/06/2019 Hasta 21/06/2019	32
INTERVENCION EN EMERGENCIAS RADIOLÓGICAS	Cheste, Valencia	10/12/19	6
XI CPAN DAYS	Oviedo	23/10/2019	

te: if you attended a school, you do not need to specify all the courses individually.

Activity: "Seminarios de Estudiantes" (Student Seminars attended) Code: 50029

Seminar Title	Speaker	Date
Top quark mass measurement in radioactive events at the future electro-positron linear collider	Pablo Gomis	26-Sep 2019
A physics and performance ATLAS tale	Oscar Estrada	1-Oct 2019
The QCD axion and unification	Clara Murgui	14-Enero 202
To pquark couplings in past, present and future colliders	Martin Perello	21-Enero 2020
Probing the tWb structure in t-channel single top-quark production using the ATLAS detector at the LHC	Galo Rafael Gonzalvo	24-Enero 2020
Flavour Anomalies in b→ctv	Ana Peñuelas	30-Enero 2020

Activity: "Seminario de Estudiantes" (Student seminar delivered) Code: 50029

Seminar Title	Date
Tritium: Design, construction and commissioning of automatic station for real time monitoring of low radiactivity levels of tritium in water	28/06/2019

Note: attach the certificates of all the activities declared.

Antonio Baeza Espasa en calidad de Responsable Técnico del Beneficiario Principal, Universidad de Extremadura, del proyecto TRITIUM SOE1/P4/E0214, Programa de cooperación Interreg V-B Europa Suroccidental,

Antonio Baeza Espasa as Technical Responsible for the Principal Beneficiary, University of Extremadura, of the TRITIUM SOE1 / P4 / E0214 project, Interreg V-B Europe Suro-Western cooperation program,

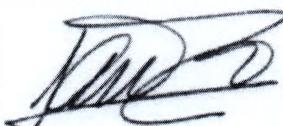
CERTIFICA
CERTIFIES

Que D/D^a MARCOS MARTINEZ ROIG ha asistido a la Reunión de trabajo, "INTERREG SUDOE: PROYECTO TRITIUM", realizado durante los días 5 y 6 de junio de 2019 en el Edificio Centro Hispano Luso de Redes Automáticas de Alerta Temprana y Vigilancia Radiológica Ambiental – ALERTA2, en la sala: "emergencias"

What D / D^a. MARCOS MARTINEZ ROIG has attended the Work Meeting, "INTERREG SUDOE: PROYECTO TRITIUM", held on June 5 and 6, 2019 at the Centro Hispano Luso Building of Automatic Networks of Early Warning and Environmental Radiological Surveillance - ALERTA2, in the room: "emergencies"

Y para que conste, a los efectos oportunos, firmo el presente en Cáceres a seis de junio de dos mil diecinueve.

And for the record, for the appropriate purposes, I sign the present in Cáceres on June 6, two thousand and nineteen.



Fdo.: Antonio Baeza Espasa



Lucha contra el cambio climático

Cooperar está en sus manos
www.interreg-sudoe.eu

www.tritium-sudoe.eu

Supervisor 1

DIAZ MEDINA
JOSE -
21396244B
Signature:

Digitally signed
by DIAZ MEDINA
JOSE - 21396244B
Date: 2020.07.15
09:41:13 +02'00'

Supervisor 2

Signature:

YAHLALI
HADDOU
NADIA -
22592656D
Digitally signed
by YAHLALI
HADDOU NADIA
- 22592656D
Date: 2020.07.15
09:50:46 +02'00'

Tutor

DIAZ
MEDINA
JOSE -
21396244B
Signature:

Digitally signed
by DIAZ MEDINA
JOSE - 21396244B
Date: 2020.07.15
09:41:29 +02'00'



VNIVERSITAT
D VALÈNCIA [Q] Facultat de Física

Departament de Física Teòrica

c/ Dr. Moliner, 50
46100 Burjassot - Valencia
Tel. 34 96 35 44349
Fax. 34 96 35 43381

Certificado de asistencia
Attendance certificate

D./Dña./Mr./Ms. **Marcos, Martínez Roig**

ha asistido al curso de doctorado
has attended the Ph. D. course

"Introduction to machine learning for scientific computing"

dentro del programa de doctorado de Física de la *Universitat de València*, impartido por
in the Physics Doctorate program of the Valencia University, taught by

prof. Antonio Marquina Vila

Fecha/Dates: 15/02 – 21/05/2019

Horas del curso/ Hours of the course: 21

Burjassot, a 3 de julio de 2019

Fdo.: Nuria Rius Dionis
Coordinadora del Programa de Doctorado en Física



COORDINADOR DE PROGRAMA
DE DOCTORAT EN FÍSICA



La Universitat Politècnica de València certifica que

MARCOS MARTINEZ ROIG

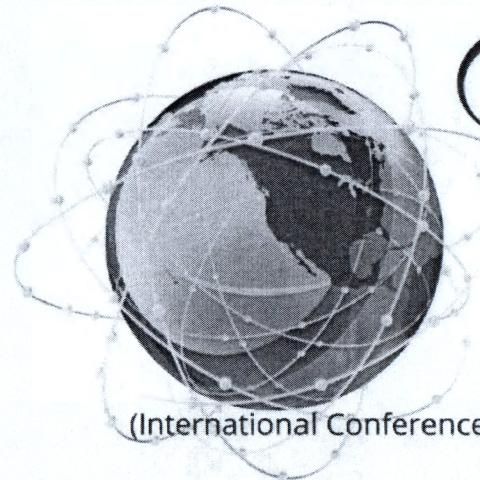
amb DNI número 53726763, ha realitzat la jornada **INTERVENCIÓN EN EMERGENCIAS RADIOLÓGICAS (2019)**, realizada el dia 10/12/19 de 6 hores presencials. Perquè conste i als efectes oportuns, expedeix aquest certificat.

La Universitat Politècnica de València certifica que

MARCOS MARTINEZ ROIG

con DNI número 53726763, ha realizado la jornada **INTERVENCIÓN EN EMERGENCIAS RADIOLÓGICAS (2019)**, celebrada el 10/12/19 de 6 horas presenciales. Y para que conste a los efectos oportunos, se expide el presente certificado.





Certificate

On behalf of the Scientific Committee of "ANIMMA"
(International Conference on Advancements in Nuclear Instrumentation, Measurement Methods and their Applications)
in Portorož, June 17th 2019, we acknowledge that

Marcos MARTINEZ-ROIG

has attended and successfully completed the examination on the *ANIMMA 2019*

Short Courses on Standard and state-of-the-art instrumentation for nuclear applications

Radiation detection and measurement methods

Hands-on session on Silicon Photomultipliers

Advanced diagnostics concepts for fusion reactors

Semiconductor detector studies by Transient Current Technique

A direction sensitive gamma camera

Hands-on session: Environmental gamma radiation measurements with SiPM based instrumentation

Abdallah Lyoussi
CEA

Giovanni Burgada
CAEN

Erica Fanchini
CAEN

Jean-Marc Layet
Aix-Marseille University

Gregor Kramberger
JSI

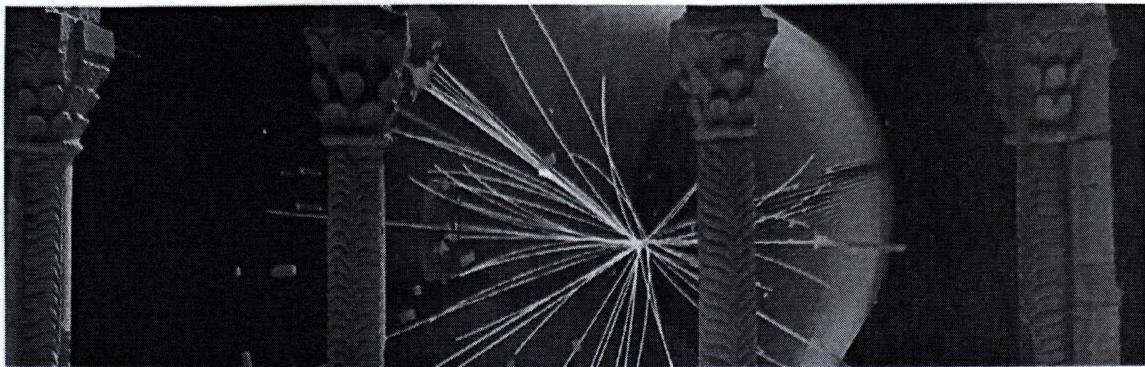
Matjaž Vencelj
JSI

Ludo Vermeeren
SCK•CEN

Michel Giot
UC Louvain

Michel Carette
Aix-Marseille University

Igor Lengar
JSI



Attendance Certificate

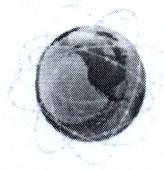
This is to certify that

**Marcos Martinez
IFIC (CSIC-UV)**

has attended the XI CPAN DAYS.

**Antonio Pich Zardoya
On behalf of the organizers**

Oviedo, on 23rd October 2019



ANIMMA
Portorož
Slovenia
17 - 21 June 2019

Portorož, June 19th, 2019

Nuclear Society of Slovenia
ANIMMA2019
Jamova cesta 39
SI-1000 Ljubljana
Slovenia

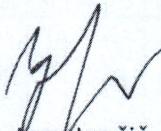
TO WHOM IT MAY CONCERN

This is to confirm the participation of

MARCOS MARTINEZ-ROIG

at the International Conference » Advancements in Nuclear Instrumentation Measurement Methods and their Applications « in Portorož, Slovenia, from June 17th to 21st, 2019.

DRUŠTVO JEDRSKIH
STROKOVNIKOV SLOVENIJE
LJUBLJANA


Dr. Igor Jenčič
Steering Committee Chair

21

NOMBRE

TOTAL CHARLA

ABELLÁN DE PACO	FRANCISCO JESÚS	0	
AGUILERA VERDUGO	JOSE DE JESÚS	9	
ALBANDEA JORDAN	DAVID	4	
ALCAIDE	JULIEN	2	Probes of the standard model effective field theory extended with right handed neutrinos.
ALCALA	GUSTAVO	6	
ALVARADO ALVAREZ	FERNANDO	6	
ALVES GARRE	SERGIO	12	
AMOS	KIERA	3	
ANAMIATI	GAETANA	0	
ANGLES CASTILLO	ANDREU	3	
ANTONOVA	MARIA	5	
APARISI POZO	JAVIER	1	
BABIANO SUÁREZ	VICTOR	7	
BAÑÓN CABALLERO	DAVID	5	
BARRIENTOS MAURIZ	LUIS	1	
BELTRÁN	PAU	3	
BENLOCH RODRÍGUEZ	JOSÉ MARÍA	0	
BERTOLDO	STEFANO	7	
BORJA LLORET	MARINA	2	
BRESO PLA	VICTOR	8	
BRUSCHINI	ROBERTO	6	
CALVO DÍAZ-ALDAGALÁN	DAVID	1	
CAPUTO	ANDREA	5	Looking for Axion Dark Matter: from Dwarf Galaxies to Pulsars
CARRETERO CUENCA	VICTOR	9	

CARRIÓN HIGUERAS	LETICIA	3	
CASTILLO	FLORENCIA LUCIANA	13	
CATALAN BENAVENT	ANA	8	
CENTELLES	SALVADOR	4	
CEPEDELLO PÉREZ	RICARDO	6	
CHIMENO	JOSE MARÍA	2	
CLIMENT OLIVER	JUAN BAUTISTA	6	
COITO	LEONARDO	3	
COLOMER MOLLA	MARTA	2	Observing core-collapse supernova neutrinos in the Mediterranean sea
CORNET GÓMEZ	FERNANDO	5	
CUENCA SUAREZ	MIGUEL ANGEL	0	
DE BRYE	NICOLAS	0	
DELHOM I LATORRE	ADRIÁ	1	
DI GIOVANNI	FABRIZIO	2	
DIAZ CALDERON	DAVID	8	
DÍAZ MARTÍNEZ	JOSE VICENTE	0	
DRIENCOURT-MANGIN	FÉLIX	0	
ESCRIBANO VALIENTE	PABLO	6	
ESTRADA PASTOR	OSCAR	2	A Physics and Performance ATLAS tale
FAUBEL ALAMÁ	CARLOS	3	
FELKAI	RYAN	0	
FERNÁNDEZ SOLER	PEDRO	0	
FERREIRO DE AGUIAR	ANTONIO EDUARDO	1	
GABARDA LÓPEZ	LETICIA	0	
GARCÍA FOLGADO	MIGUEL	0	
GARCÍA MARTÍN	LUIS MIGUEL	4	
GARCÍA PERIS	MIGUEL A.	4	
GIMENEZ ALVENTOSA	VICENT	0	
GIMENO GOMEZ	ALEJANDRO	6	

GIMENO SOLER	SERGIO	4	
GISBERT MULLOR	HECTOR	0	
GOMEZ ABALOS	JOAQUIN	3	
GOMIS LOPEZ	PABLO	0	Top quark mass measurement in radiative events at the future electron-positron linear collider
GONZALEZ MARIMON	SANTIAGO	0	
GONZALVO RODRÍGUEZ	GALO	6	Probing the tWb structure in t-channel single top-quark production using the ATLAS detector at
GORJI	SETATIRA	2	
GUERRERO MENKARA	ADRIANA	0	
GUERRERO NAVARRO	GUSTAVO HAZEL	5	
GUERRERO ROJAS	JESUS	8	
GURREA YSASI	GONZALO	0	
IBAÑEZ MORENO	RAFAEL	5	
ILLUMINATI	GIULIA	1	High-energy neutrino astronomy
INCARDONA	NICOLÒ	3	
IZQUIERDO VILLALBA	DAVID	0	
JURADO GÓMEZ	MARÍA DE LA LUZ	7	
KEKIC	MARIJA	0	
KHAN CHOWDHURY	NAFIS REZWAN	4	
KISHOR JASHAL	BRIJ	6	
KOPYCKI	PRZEMYSLAW	2	
KOREN FERNANDEZ	CRISTINA	0	
LEGANES NIETO	JOSE LUIS	0	
LLORENS MOTEAGUDO	MIQUEL	1	
LOGROÑO GARCÍA	RAFAEL	0	
LÓPEZ IBÁÑEZ	MARÍA LUISA	0	
LÓPEZ MIRALLES	JOSE	1	
LOREDO	ABRAHAM	0	
LOTZE	MORITZ	0	
LOZARES CORDERO	SERGIO	1	

MAHLMANN	JENS FLORIAN	0	
MANCZAK	JERZY	5	
MARQUEÑO	TOMÁS	0	
MÁRQUEZ MARTÍN	IVÁN	1	Quantum Walks
MARTINEZ AGULLO	PABLO	7	
MARTINEZ MIRAVE	PABLO	8	
MARTÍNEZ ROIG	MARCOS	6	
MELIS	AURORA	2	A flavon solution to muon and electron g-2
MENCHÓN PÉREZ	CINTIA	0	
MIRALLES AZNAR	VÍCTOR	4	
MIRALLES LOPEZ	MARCOS	9	
MONSÁLVEZ POZO	KEVIN	9	
MONSONIS ROMERO	LUIS	3	
MORA PEREZ	GERARDO	2	
MUÑOZ ALBALADEJO	ENRIQUE	0	
MUÑOZ ALBORNOZ	VICTOR MANUEL	8	
MUÑOZ VIDAL	JAVIER IGNACIO	0	
MURGUI GÁLVEZ	CLARA	3	
MUS MEJIAS	ALEJANDRO	5	
NASERI	MOHAMMAD ALI	2	
NAVARRO GONZÁLEZ	JAVIER	0	
NAVARRO GONZÁLEZ	JOSEP	5	
OLIVERT GIMÉNEZ	FRANCISCO JAVIER	0	
PALMEIRO PAZOS	BRAIS	5	
PASHAEIADL	HAMID	0	
PENALVA MARTÍNEZ	NEUS	1	
PEÑUELAS MARTÍNEZ	ANA	4	
PEREIRA PIRES PAVAO	RAFAEL	0	
PERELLO ROSELLO	MARTIN	1	Top quark couplings in past, present and future colliders

PEREZ TERUEL	GINÉS	0	
PIETERSE	CAMIEL	2	
PLA GARCIA	SILVIA	2	
PLENTER	JUDITH	6	
PRADES IBÁÑEZ	ALBERTO	4	
PUJADES-CLAUMARCHIRAR	M. CARMEN	5	
RAMÍREZ RODRÍGUEZ	HÉCTOR	0	
RAMÍREZ URIBE	NORMA SELOMIT	6	
REAL MÁÑEZ	DIEGO	0	
REIG LÓPEZ	MARIO	4	
REMÓN ALEPUZ	CLARA	1	
RENNER	JOSH E.	0	
RENTERIA OLIVO	IVÁN	2	
RENTERIA OLIVO	ANDRES ERNESTO	8	
RODRIGUES DEBASTIANI	VINÍCIUS	0	
RODRIGUES SANDNER	STEFAN MARINUS	8	
RODRÍGUEZ BOSCA	SERGI	1	Measurement of the Yukawa coupling to leptons with the ATLAS detector, 21/02/2020
ROMERO LÓPEZ	FERNANDO	7	
ROMO LUQUE	CARMEN	9	
RONCA	JONATHAN	10	
ROSARIO BONASTRE	IVAN	3	
ROSER MARTÍNEZ	JORGE	8	
RUIZ VIDAL	JOAN	3	
SALOMONIDI	ELEFOTHERIA	9	
SANCHEZ	LUIS ALBERTO	2	
SANCHEZ SEBASTIAN	VICTORIA	2	
SANCHIS GUAL	NICOLÁS	0	
SAÚL SALA	DAVID EDUARDO	0	
SAYAGO GALVAN	IVAN	6	

SCROFANI	GABRIELE	2	
SEGARRA TAMARIT	ALEJANDRO	0	
SIMEO VINAIXA	MIREIA	1	
SOBCYK	JOANNA	1	
SPINOSO	DANIELE	0	
TASHTUSH	AKTHAM	0	
TERNES	CHRISTOPH	1	
TEROL CALVO	JORGE	6	
TOLOSA DELGADO	ÁLVARO	6	Introduction to nuclear astrophysics: from the lab to the stars, 27/05/2020
TOLOSA RUIZ	ANGEL	0	
USÓN ANDRÉS	ALBERTO	4	
VALDES CONTEZ	CHRISTIAN	5	Effects of photoelectric cross-section uncertainties on Monte Carlo simulations: in-water dosimetry
VALE SILVA	LUIZ ENRIQUE	1	
VICTORIA FERNANDEZ	JOSE ANTONIO	6	
VIEGAS BOTELHO CORRE	RITA	7	
VILLANUEVA DOMINGO	PABLO	1	
VNUCHENKO	ANNA	1	
YUN	HUI	3	