

# LUIS EDUARDO SUELVES

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## STUDY HISTORY AND QUALIFICATIONS:

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<b>Universidad de Zaragoza, Spain</b> BA in Physics Bachelor Thesis: Planck-scale physics effects on high energy neutrinos	<i>Sept 2011 - Dec 2016</i>
<b>R. F.-W. Universität Bonn, Germany</b> MD in Astrophysics Master Thesis: Weak lensing bias calibration	<i>Oct 2017 - Dec 2019</i>
<b>National Center for Nuclear Research (NCBJ), Poland</b> PhD in Astrophysics	<i>Oct 2020 - Today</i>

## PUBLICATIONS

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<b>North Ecliptic Pole merging galaxy catalogue</b> <i>Pearson, Suelves et al. 2022</i>	<i>Published: Febr 2022</i>
<b>Merger identification through photometric bands, colors and their errors</b> <i>Suelves, Pearson &amp; Pollo 2022</i>	<i>in Preparation: Oct 2022</i>

## TALKS DELIVERED

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<b>NAOJ Mini-workshop on GRBs and ML, Tokyo (online)</b> <i>CNN based merger detection</i>	<i>28.07.2021</i>
<b>5th Cosmology School, Kraków</b> <i>Merger identification through photometric bands, color and errors</i>	<i>21.07.2022</i>
<b>2nd Roman Juskiewicz Symposium, Warsaw</b> <i>Merger identification through photometric bands, color and errors</i>	<i>28.09.2022</i>

## WORK HISTORY

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<b>Planetario de Aragón, Huesca</b> <i>Presentation Specialist</i> Science and Astronomy communication to the general public.	<i>Apr 2016 - May 2017</i>
<b>Argelander-Institut für Astronomie (AIfA), Bonn</b> <i>Assistant for MD Optical Astronomy Laboratory Course (S261)</i> Teaching astronomical data reduction and analysis.	<i>Mar - Nov 2019</i>

## LANGUAGES

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<b>English</b>	IELTS & MD plus PhD completely in English	<i>27.07.2017</i>
<b>Spanish</b>	Native	
<b>German</b>	Beginner	
<b>Polish</b>	Beginner-A1	

## TECHNICAL STRENGTHS

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<b>Coding Languages</b>	Python, Tensorflow, Bash-Awk and C/C++
<b>LaTeX programming</b>	Thesis, Presentations & Papers
<b>Astronomy Analysis Software</b>	VizieR VO: Aladin, TOPCAT, SQL and ADQL. SAODS9, SExtractor, Astropy, IRAF, MESA
<b>Microsoft Office</b>	Word, Excel and PowerPoint

## COMPLEMENTARY:

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### SHORT PROJECTS AND JOBS

#### Internship

~ Sept 2018, 5 weeks

*Argelander-Institut für Astronomie (AIfA)*

First experience with Python and object oriented programming for maximum likelihood fit of galaxy redshift cross-correlation function.

#### Fitur 2017, Aragón national stand

18-22 Jan 2017

*International Tourism Trade Fair*

Promotion of the astronomy-oriented tourism industry in Aragón region.

### PUBLIC, SOCIAL AND ORGANIZATION SKILL

#### Stand-by technician for IT resources & Cultural Assistant

Sept 2013 - June 2015

*CMU Pedro Cerbuna college, Zaragoza*

Basic IT support to the dorm residents & Organization and promotion of cultural activities.

#### Communication

April 2016 - May 2017

*Local media: Aragon TV and Radio Huesca*

Active intervention at local public media on science popularization and astronomical news

## EXTRA-CURRICULAR

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Guitar player and co-singer in Youth local Rock Group "Fissura": 2008 - 2014

Member of Cerbuna Teatro Troupe: 2011 - 2015

Bandurria (traditional Spanish lute-type instrument) player at "La tuna del Cerbuna" CMU Pedro Cerbuna: 2012 - Today

Member of AIfA "Astroclub" group, organizing and advertising talks for BA students: 2019

## CONFERENCES & WORKSHOPS DURING PHD

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Summer School: 5th Cosmology School Kraków July 2022

Workshop: International Workshop on Machine Learning and Quantum Computing Applications in Medicine and Physics (WMLQ 2022) NCBJ, Warsaw September 2022

Symposium: 2nd Roman Juszkiewicz Symposium CFT PAN, Warsaw September 2022

## PERSONAL TRAITS

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Strong communicative skills

Ability to analyse complex data and its physical meaning

Enthusiasm on meeting new people and cultures

Interests & Hobbies: literature, nature and animals, history and politics, and any type of music (from opera to metal, passing through rap or jazz)