

# Erhan Gülmez -- Curriculum Vitae

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## Education:

Ranked 7th in 1978 OSYM entrance exam.  
B.S. in Physics and EE; ranked first in Faculty of Engineering  
M.S. and M.Phil., Yale University, New Haven, CT, USA 1986  
Ph. D., Yale University, New Haven, CT, USA 1986 (Physics)

## Ph. D. Thesis:

“High Angular Momentum Structure in A~140 Nuclei  $^{141}\text{Pm}$ ,  $^{140}\text{Nd}$ .”  
Thesis advisor: Prof. Jolie Cizewski

## Professional Experience:

1986-1989 Assistant Research Physicist I UCLA, Los Angeles, CA  
Stationed at LAMPF facility at LANL.  
1989-1992 Assistant Research Physicist II UCLA, Los Angeles, CA  
Stationed at LAMPF facility at LANL.  
1992-1994 Assistant Professor, Bogazici University, Istanbul, Turkey  
1994-1999 Associate Professor, Bogazici University, Istanbul, Turkey  
1999-present Visiting Professor, University of Iowa, Iowa City, IA, USA  
1999-present Professor, Bogazici University, Istanbul, Turkey  
2014-2016 ONMS Representative to the CMS-MB  
2019-2021 OSB Representative to the CMS-MB  
2014- present CMS-HCAL Resource Manager

## Societies:

Member, American Physical Society

## Research Experience:

Yale University MP Tandem Van de Graaf Accelerator Facility  
Stony Brook Linac Facility  
LAMPF intermediate energy nuclear physics facility at Los Alamos  
(LAMPF EXP# 818, 1062, 1072, 1119 (Spokesperson), 1123)  
SMC (NA47) experiment at CERN  
SELEX (E781) experiment at Fermi Lab  
MIPP (E907) experiment at Fermi Lab  
CMS experiment at CERN – (current)

## Awards:

Boğaziçi Üniversitesi Araştırmada Üstün Başarı Ödülü; 1999 (Junior)  
Boğaziçi Üniversitesi Araştırmada Üstün Başarı Ödülü; 2012 (senior)  
TUBITAK Teşvik Ödülü (1996)

## Publications:

Google Scholar page link (Some publications are not listed - about 10%)  
<https://scholar.google.com/citations?user=4cAd6EoAAAAJ&hl=en&oi=ao>

### Research Areas:

Experimental High Energy Physics, Experimental Nuclear Physics, Detector Physics, Medical Physics

### BAP Grants (as PI):

- 18581 RunIII döneminde yeni HF çevrimiçi radyasyon hasar izleme sistemiyle veri alımı ve çözümü. 2021 - present
- 14040 CMS-HF Dedektörlerinin Yeni HF-FE Elektronik Kartlarla Performansı ve HF Fiberlerindeki Radyasyon Hasar Ölçümü. 2018-2021
- 9620 CMS-HF Dedektörlerinin yeni 4-anotlu fototüplerle veri alımı çalışmalarına katılma. 2015-2018
- 6653 CMS-HF kalorimetresinin güncellenmesi ve genel CMS veri çözümü çalışmalarına katılım. 2012-2015
- 1820 CMS Deneyinin İlk Verilerinin Çözümlemesi Çalışmalarına Katılım. 2009-2012
- 647 CMS Deneyinin Veri Toplama Çalışmalarının Başlamasına Katılım. 2006-2009
- 414 CMS-HF Forward Kalorimetresinin Kurulması ve Kalorimetrenin Veri Çözümü Çalışmaları. 2004-2006

### TAEK/TENMAK Grants (as PI):

- 2018 TAEK (CERN) A5.H6.F2-18 CMS dedektöründe B-fiziği, Kuark-Gluon Jet Ayrımı ve Faz 2 Güncelleme Çalışmaları. 2018- present
- 2014 TAEK (CERN) A5.H6.F2- CMS Dedektöründe Veri Keşfi, Jetler, B-fiziği ve Birinci Faz Sonrası Dedektör Güncellemesi Çalışmaları. 2014-2017
- 2009 CMS'de Jet Çifti ve Ağır İyon Çalışmaları Di-Jet and Heavy Ion Studies in CMS. 2009-2013
- 2004 CMS-HF Kalorimetresi ile Higgs Bosonunun Aranması. 2004-2009

### TÜBİTAK Grants (as PI):

- TBAG-1529 Observation of Charmed Baryon with Hyperon Beam in SELEX Spectrometer at Fermi National Laboratory. 1997-2000

### Courses Taught:

- Physics 101 Physics I
- Physics 102 Physics II
- Physics 121 Introductory Mechanics and Thermodynamics
- Physics 201 Physics III
- Physics 221 Thermal Properties of Matter
- Physics 331 Electronics for Physics I
- Physics 337 Introduction to Physical Methods in Medical Diagnosis
- Physics 342/442 Experimental Phys. I
- Physics 443 Experimental Phys. II
- Physics 466 Nuclear Physics
- Physics 472 Elementary Particle Physics
- Physics 491 Selected Topics in Physics I
- Physics 492 Selected Topics in Physics II

Physics 551	Experimental Physics I
Physics 552	Experimental Physics II
Physics 581	Special Topics in Physics
Physics 681	Directed Studies I
Physics 682	Directed Studies II
Physics 688	Special Topics in Physics
Physics 68J	Special Topics in Physics
Physics 68F	Special Topics in Physics
Physics 699	Guided Research
ISEP 195	Physics I
ISEP 196	Physics II
Fiz 101	Fizik I
Fiz 102	Fizik II
FA 302	Cultural Aspects of Classical Western Music